

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:31:20 PM

Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	716280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	991440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	936403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	495420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	426529	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
35) Dibromofluoromethane	7.59	113	399717	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
50) Toluene-d8	10.09	98	1525782	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
62) 4-Bromofluorobenzene	12.40	95	519173	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	364623	45.15	ug/l	99
3) Chloromethane	2.06	50	468280	47.56	ug/l	98
4) Vinyl Chloride	2.18	62	476877	44.45	ug/l	99
5) Bromomethane	2.56	94	257918	44.50	ug/l	99
6) Chloroethane	2.70	64	287570	48.18	ug/l	100
7) Trichlorofluoromethane	3.01	101	613478	43.58	ug/l	96
8) Diethyl Ether	3.41	74	207974	44.42	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	387432	45.52	ug/l	99
10) Methyl Iodide	3.95	142	302394	49.98	ug/l	99
11) Tert butyl alcohol	4.78	59	112050	227.28	ug/l	99
12) 1,1-Dichloroethene	3.73	96	348154	44.80	ug/l	98
13) Acrolein	3.61	56	40105	211.99	ug/l	95
14) Allyl chloride	4.32	41	558232	46.18	ug/l	100
15) Acrylonitrile	4.99	53	617424	228.03	ug/l	99
16) Acetone	3.82	43	551508	244.61	ug/l	98
17) Carbon Disulfide	4.05	76	1095432	44.79	ug/l	100
18) Methyl Acetate	4.32	43	289974	45.64	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	931540	47.09	ug/l	100
20) Methylene Chloride	4.55	84	404997	47.12	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	386495	45.87	ug/l	97
22) Diisopropyl ether	5.95	45	1191935	48.09	ug/l	99
23) Vinyl Acetate	5.90	43	3980618	245.50	ug/l	99
24) 1,1-Dichloroethane	5.85	63	702096	43.78	ug/l	99
25) 2-Butanone	6.84	43	897297	242.39	ug/l	99
26) 2,2-Dichloropropane	6.82	77	588653	54.83	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	425848	45.39	ug/l	97
28) Bromochloromethane	7.20	49	337129	46.19	ug/l	100
29) Tetrahydrofuran	7.21	42	451665	233.67	ug/l	99
30) Chloroform	7.37	83	715498	44.02	ug/l	100
31) Cyclohexane	7.65	56	649352	47.43	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	607416	44.40	ug/l	100
36) 1,1-Dichloropropene	7.79	75	557216	50.49	ug/l	99
37) Ethyl Acetate	6.93	43	315710	50.61	ug/l	99
38) Carbon Tetrachloride	7.77	117	546294	47.72	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	621329	54.38	ug/l	99
40) Benzene	8.04	78	1658000	49.38	ug/l	100
41) Methacrylonitrile	7.18	41	171535	50.86	ug/l	95
42) 1,2-Dichloroethane	8.12	62	495952	48.20	ug/l	100
43) Isopropyl Acetate	8.17	43	555706	48.88	ug/l	99
44) Trichloroethene	8.83	130	433003	48.15	ug/l	100
45) 1,2-Dichloropropane	9.12	63	436791	48.87	ug/l	98
46) Dibromomethane	9.21	93	250914	47.54	ug/l	98
47) Bromodichloromethane	9.40	83	546759	48.47	ug/l	99
48) Methyl methacrylate	9.20	41	280234	48.99	ug/l	100
49) 1,4-Dioxane	9.20	88	78510	1041.75	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1969243	256.11	ug/l	100
52) Toluene	10.16	92	1043404	52.05	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	553873	52.71	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	652377	54.12	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	361768	48.31	ug/l	98
56) Ethyl methacrylate	10.43	69	456717	47.89	ug/l	100
57) 1,3-Dichloropropane	10.71	76	609877	49.67	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1100544	240.89	ug/l	99
59) 2-Hexanone	10.75	43	1362504	274.55	ug/l	99
60) Dibromochloromethane	10.90	129	415043	50.21	ug/l	100
61) 1,2-Dibromoethane	11.01	107	356807	50.03	ug/l	100
64) Tetrachloroethene	10.63	164	407859	46.90	ug/l	100
65) Chlorobenzene	11.43	112	1134753	48.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	409900	46.92	ug/l	99
67) Ethyl Benzene	11.51	91	1956551	51.99	ug/l	100
68) m/p-Xylenes	11.62	106	1529897	106.30	ug/l	100
69) o-Xylene	11.95	106	721405	52.57	ug/l	99
70) Styrene	11.96	104	1207034	49.47	ug/l	99
71) Bromoform	12.13	173	288962	49.88	ug/l #	100
73) Isopropylbenzene	12.25	105	1932179	49.92	ug/l	99
74) N-amyl acetate	12.07	43	496745	49.33	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	451948	50.31	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	363015m	45.25	ug/l	
77) Bromobenzene	12.53	156	490862	46.71	ug/l	99
78) n-propylbenzene	12.59	91	2250756	52.15	ug/l	99
79) 2-Chlorotoluene	12.67	91	1322775	49.16	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1614356	52.09	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	121446	54.50	ug/l	98
82) 4-Chlorotoluene	12.77	91	1356852	51.02	ug/l	100
83) tert-Butylbenzene	12.99	119	1351490	50.24	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1642122	52.79	ug/l	100
85) sec-Butylbenzene	13.17	105	1838135	52.29	ug/l	99
86) p-Isopropyltoluene	13.29	119	1626305	54.59	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	888927	49.69	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	862497	48.57	ug/l	100
89) n-Butylbenzene	13.62	91	1342405	55.81	ug/l	99
90) Hexachloroethane	13.87	117	283080	47.26	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	842880	48.29	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65434	47.38	ug/l	97

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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	433853	48.52	ug/l	99
94) Hexachlorobutadiene	15.01	225	266235	49.75	ug/l	99
95) Naphthalene	15.13	128	856334	45.33	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	412601	49.34	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

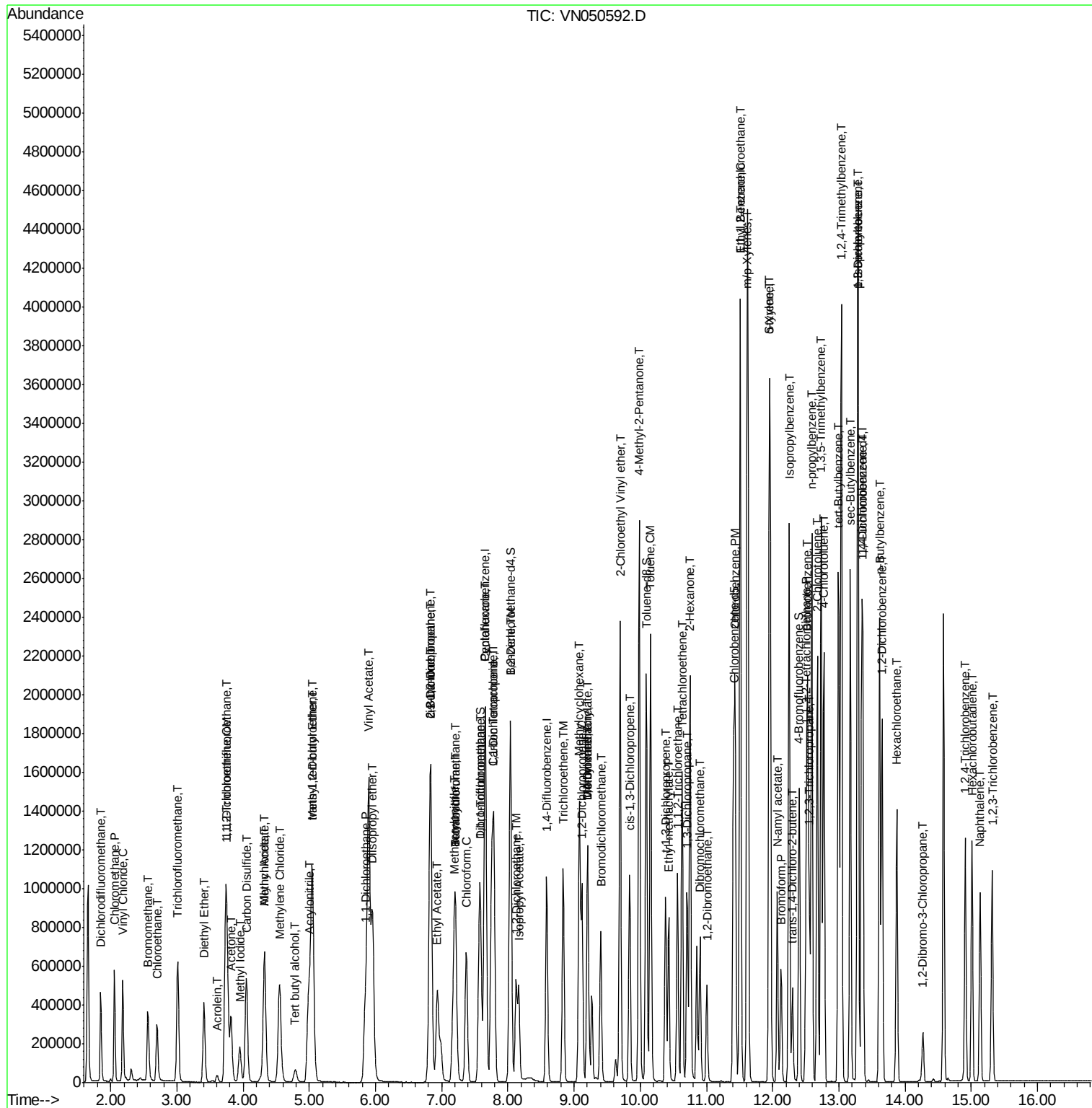
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
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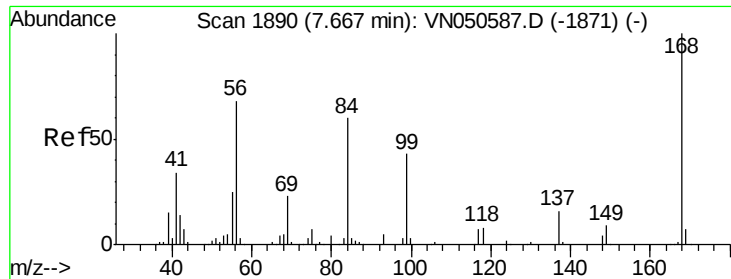
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDCCC050

Manual Integrations
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 716280

Ion Ratio Lower Upper

168 100

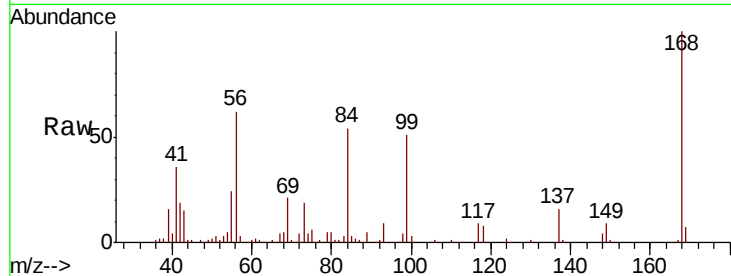
99 50.7 40.8 61.2

Manual Integrations

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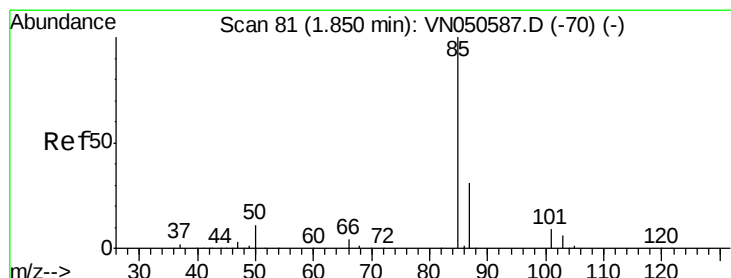
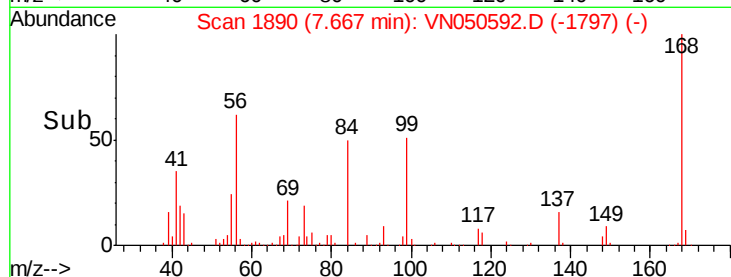
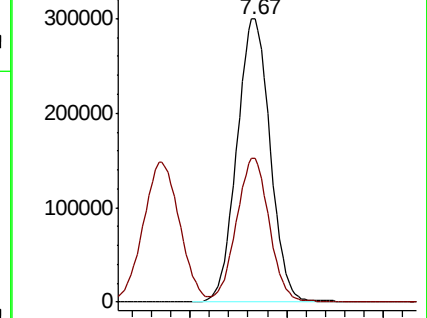
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8/15/2018 3:31:20 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 45.15 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050592.D

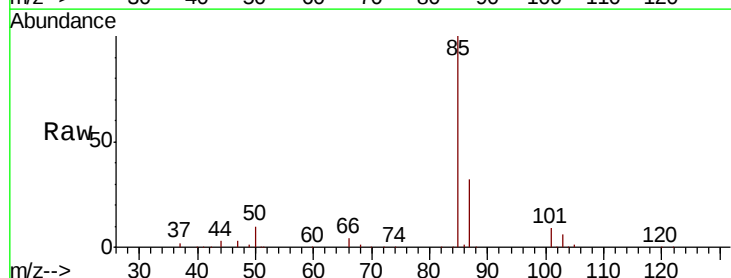
Acq: 14 Aug 2018 10:45

Tgt Ion: 85 Resp: 364623

Ion Ratio Lower Upper

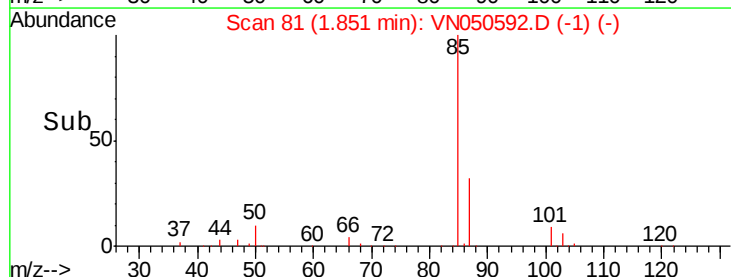
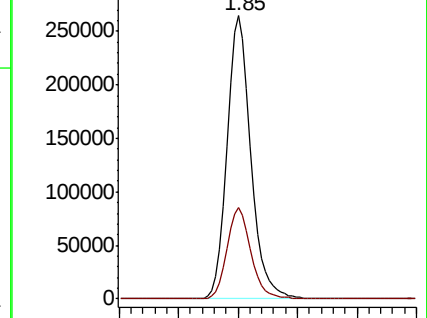
85 100

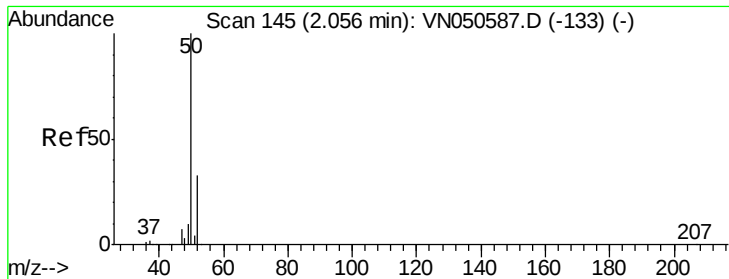
87 32.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 47.56 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Tot Ion: 50 Resp: 468280

Ion Ratio Lower Upper

50 100

52 33.6 26.0 39.0

Instrument :

MSVOA_N

ClientSampleId :

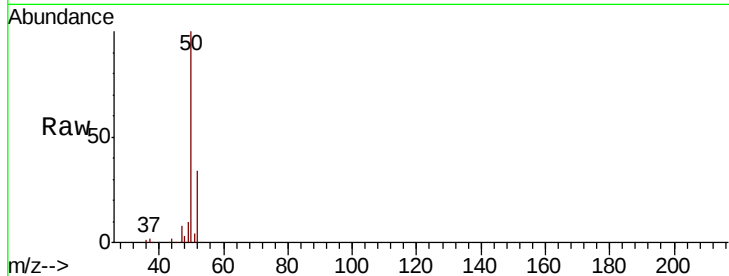
VSTDCCC050

Manual Integrations

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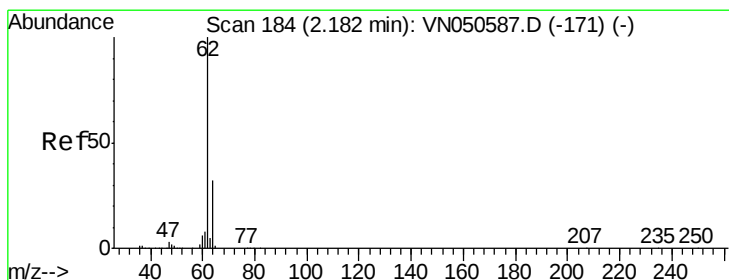
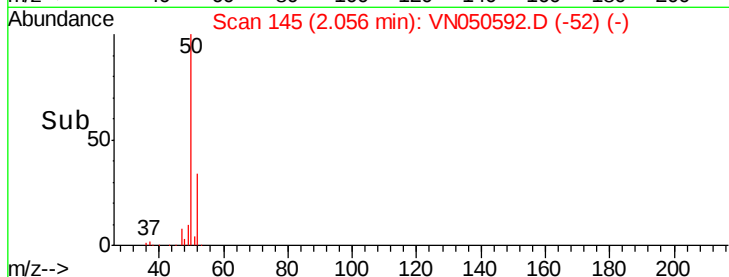
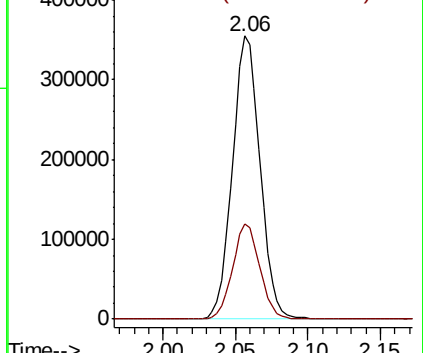
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 44.45 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050592.D

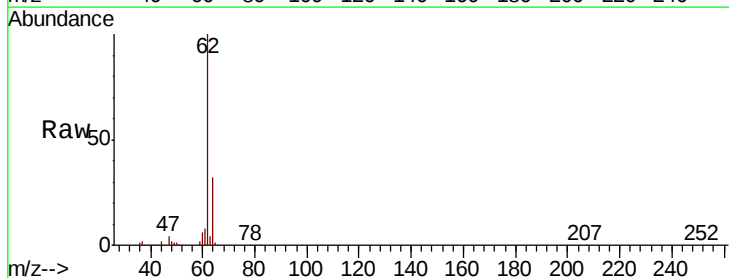
Acq: 14 Aug 2018 10:45

Tgt Ion: 62 Resp: 476877

Ion Ratio Lower Upper

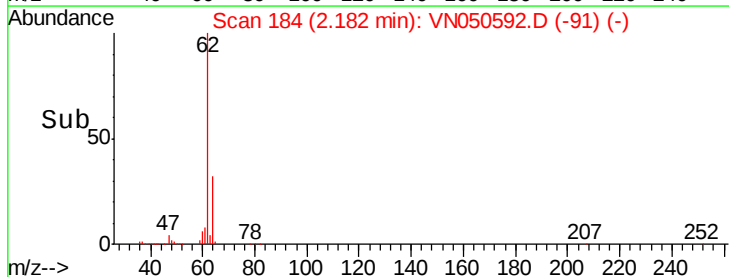
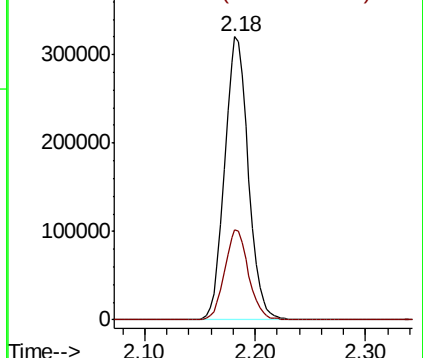
62 100

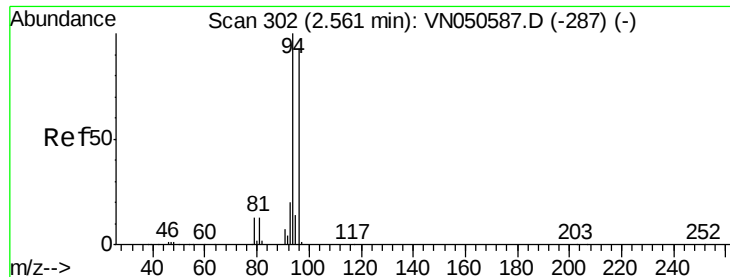
64 32.0 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 44.50 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 257918

Ion Ratio Lower Upper

94 100

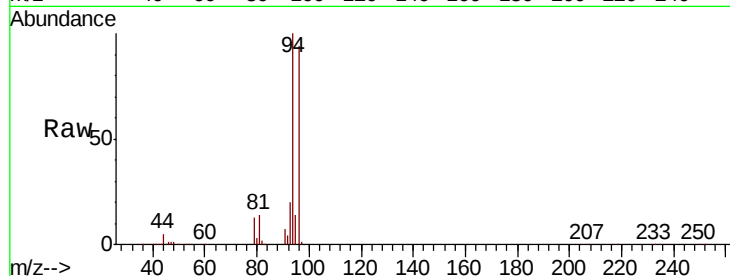
96 93.8 74.0 111.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN050587.D (-287) (-)

Ion 95.90 (95.60 to 96.60): VN050587.D (-287) (-)

150000

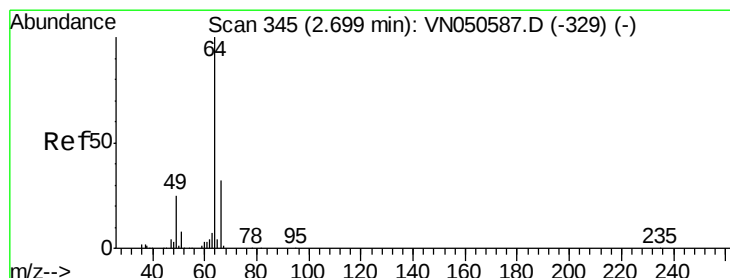
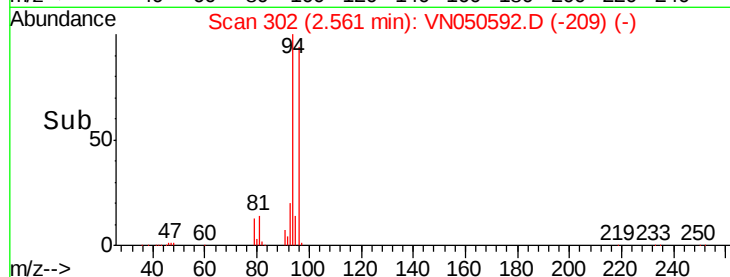
2.56

100000

50000

0

Time-->



#6

Chloroethane

Concen: 48.18 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050592.D

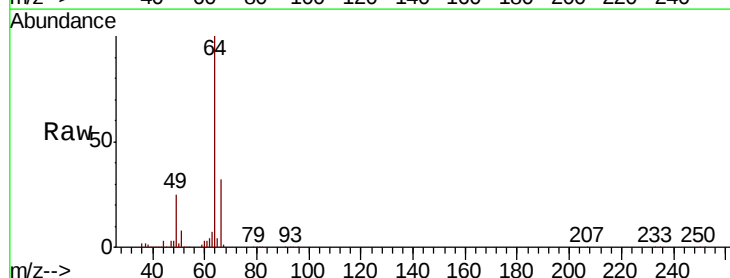
Acq: 14 Aug 2018 10:45

Tgt Ion: 64 Resp: 287570

Ion Ratio Lower Upper

64 100

66 32.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN050587.D (-329) (-)

Ion 65.90 (65.60 to 66.60): VN050587.D (-329) (-)

150000

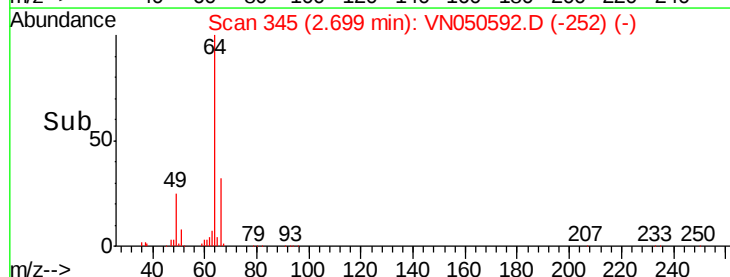
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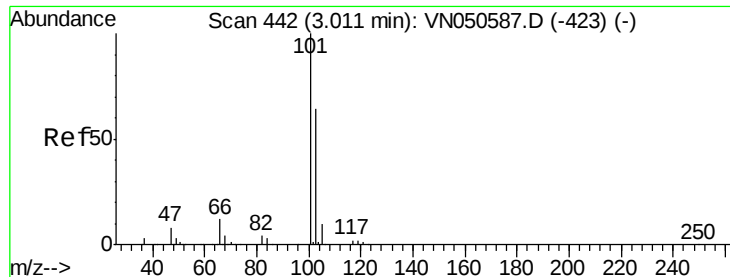
100000

50000

0

Time-->





#7

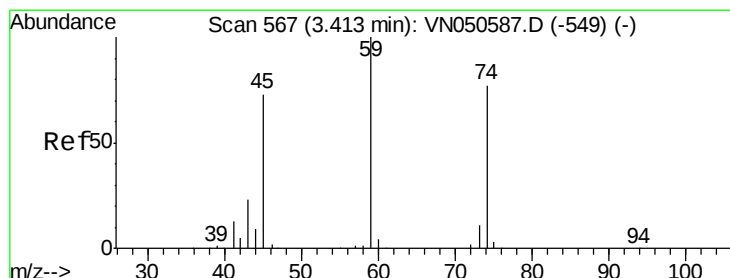
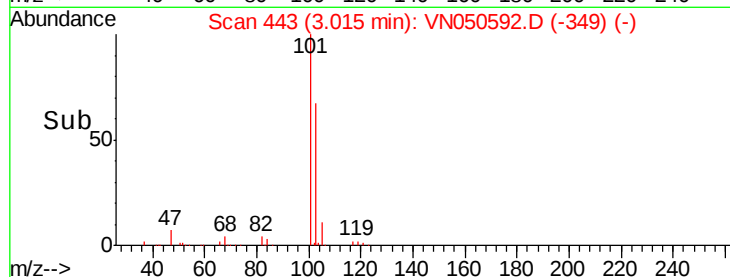
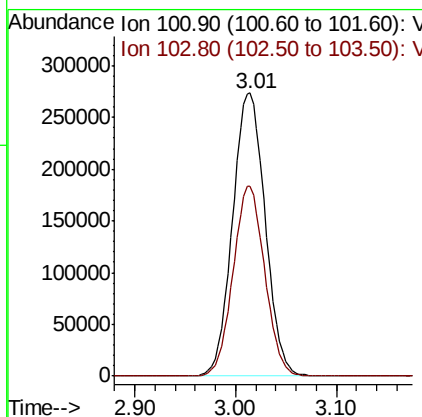
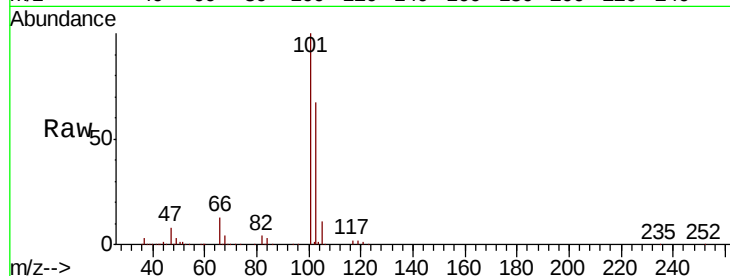
Trichlorofluoromethane
Concen: 43.58 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 613478
Ion Ratio Lower Upper
101 100
103 67.1 51.4 77.0

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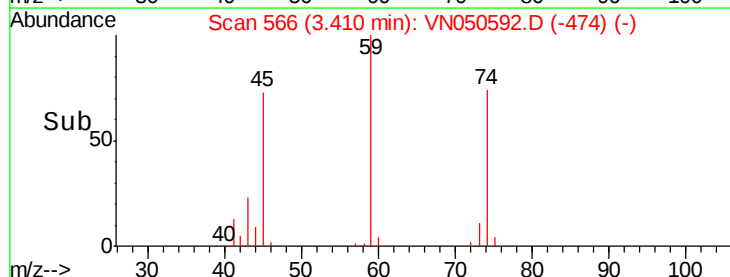
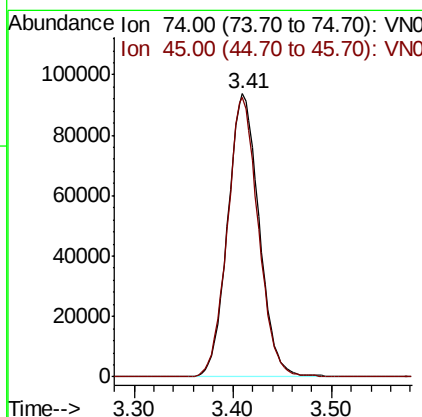
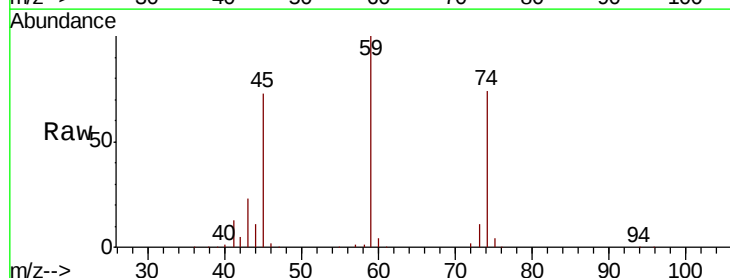
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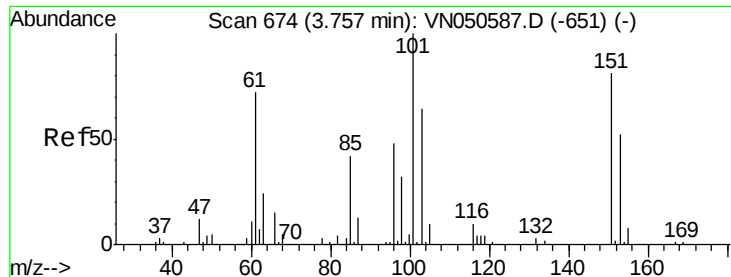


#8

Diethyl Ether
Concen: 44.42 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Tgt Ion: 74 Resp: 207974
Ion Ratio Lower Upper
74 100
45 97.4 48.0 144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.52 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

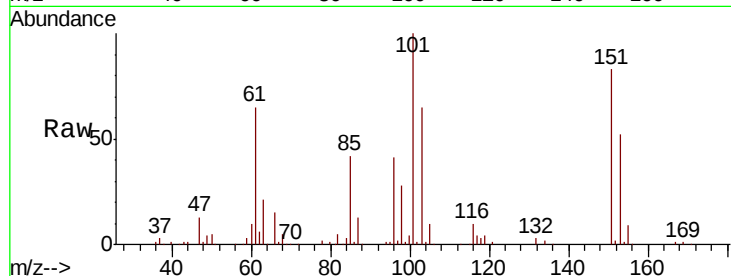
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	387432
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.4	50.0
151	84.1	66.6	100.0

Manual Integrations
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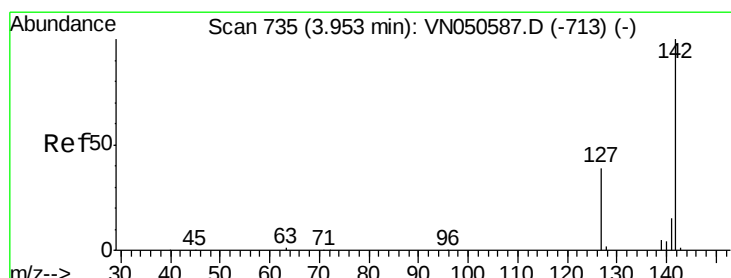
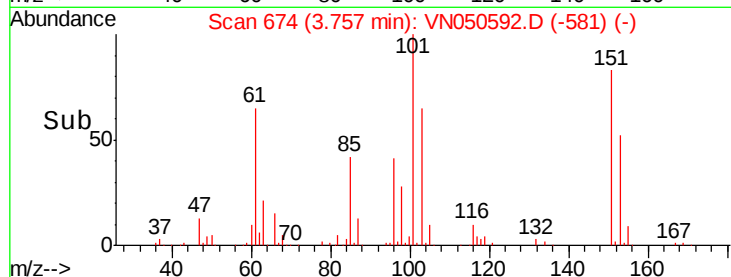
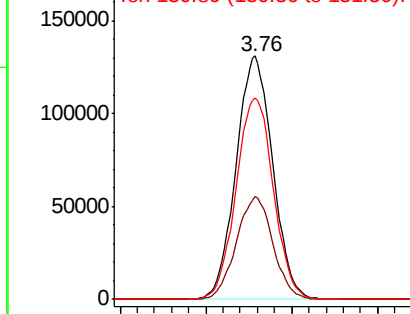


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.98 ug/l

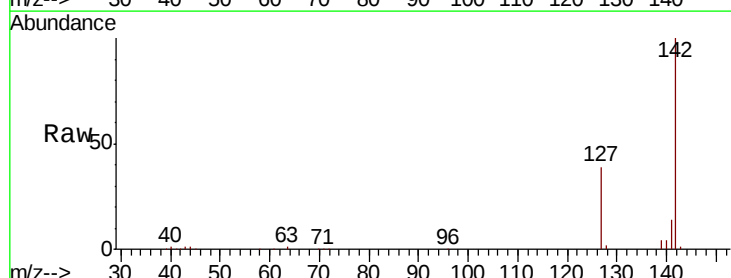
RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Tgt Ion:	142	Resp:	302394
Ion Ratio	Lower	Upper	
142	100		
127	40.2	32.6	49.0
141	14.3	11.5	17.3

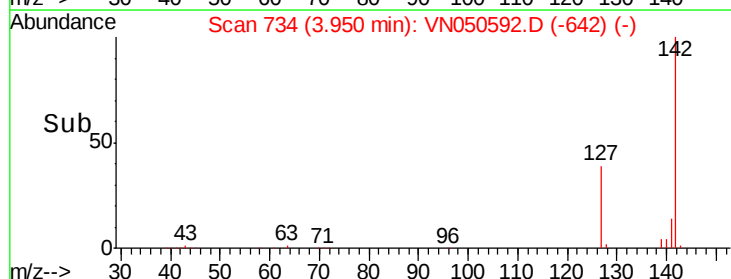
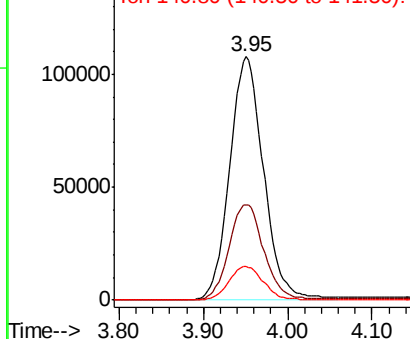


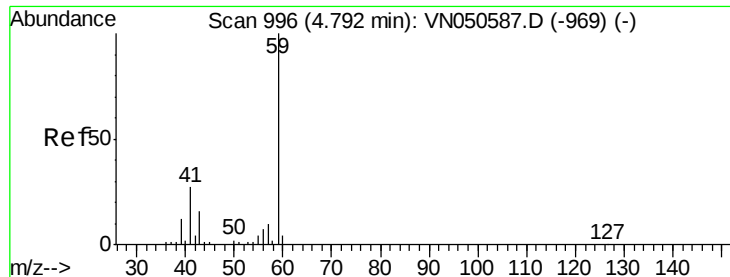
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

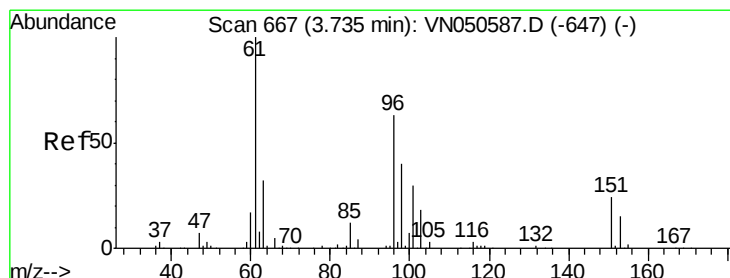
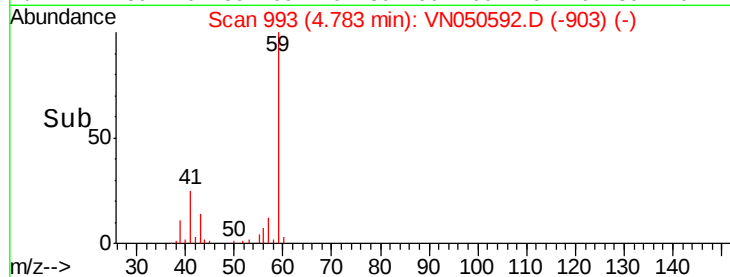
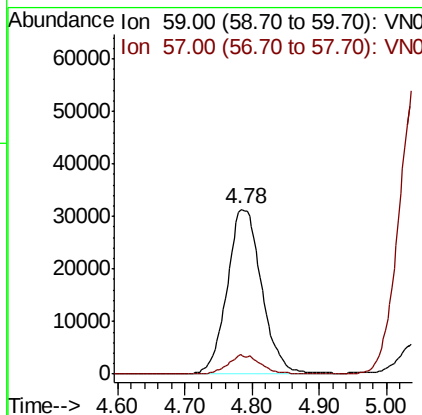
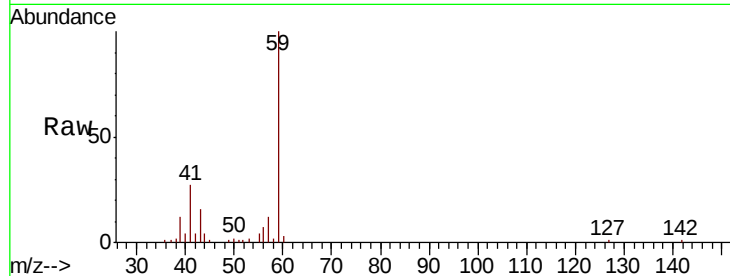
Tert butyl alcohol
 Concen: 227.28 ug/l
 RT: 4.78 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	112050
Ion Ratio	100	Lower	Upper
57	10.9	8.4	12.6

Manual Integrations
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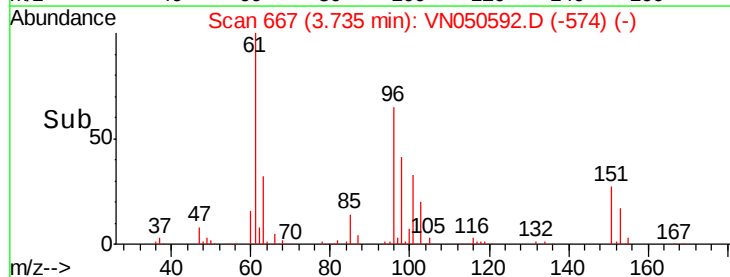
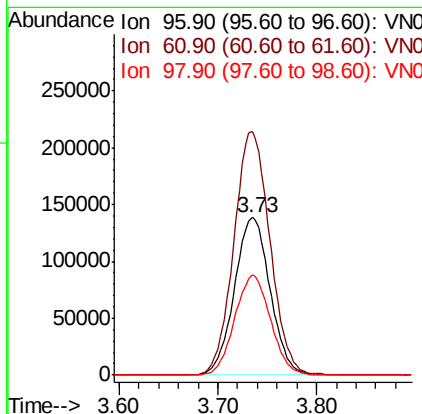
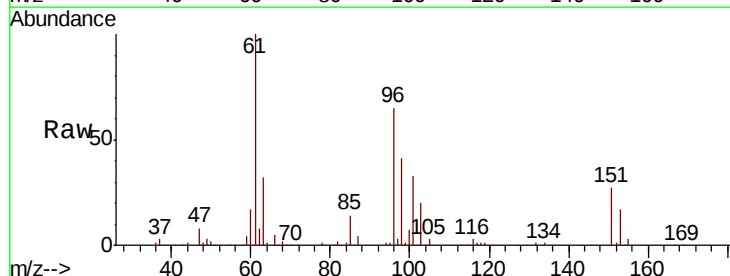
MMDadoda
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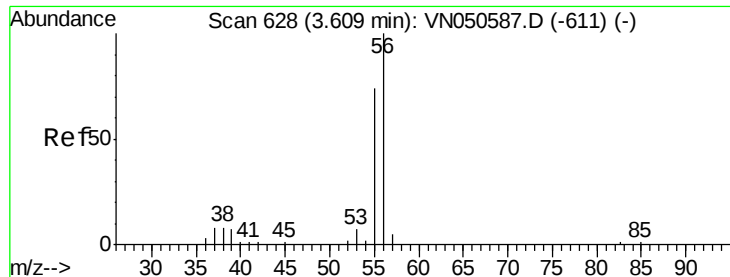


#12

1,1-Dichloroethene
 Concen: 44.80 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	96	Resp	348154
Ion Ratio	100	Lower	Upper
61	154.5	126.9	190.3
98	63.4	51.1	76.7





#13

Acrolein

Concen: 211.99 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 40105

Ion Ratio Lower Upper

56 100

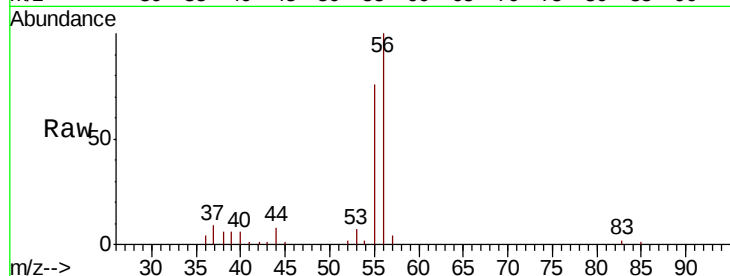
55 74.3 56.3 84.5

Manual Integrations

APPROVED

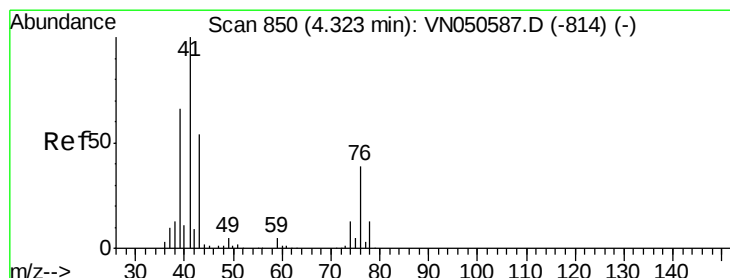
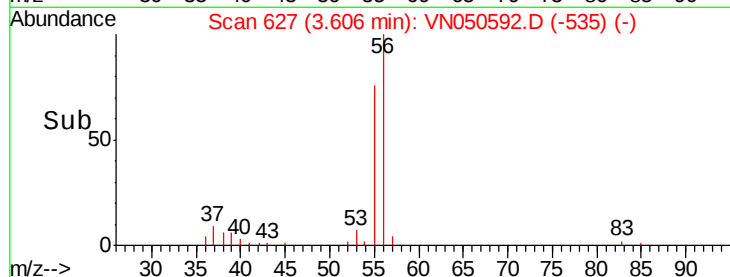
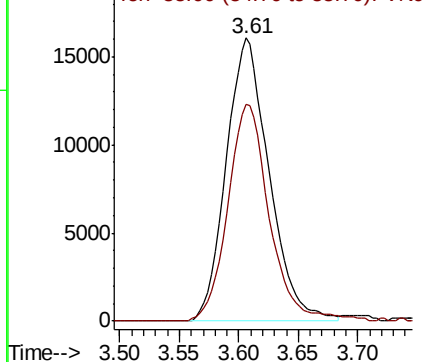
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.18 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

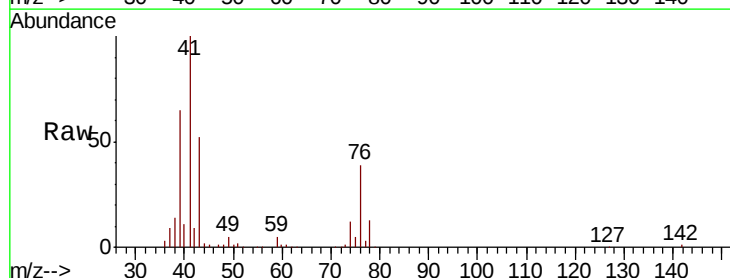
Tgt Ion: 41 Resp: 558232

Ion Ratio Lower Upper

41 100

39 63.9 51.4 77.0

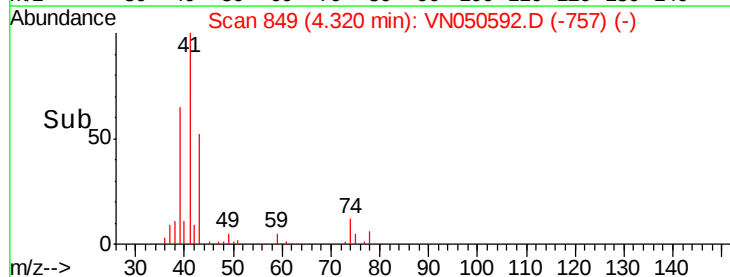
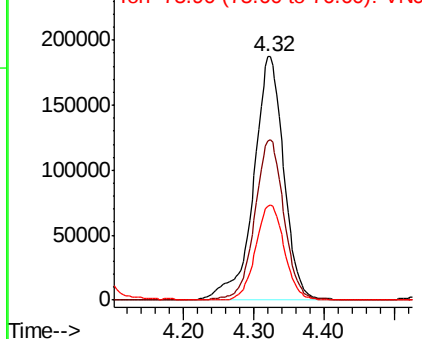
76 36.7 29.4 44.0

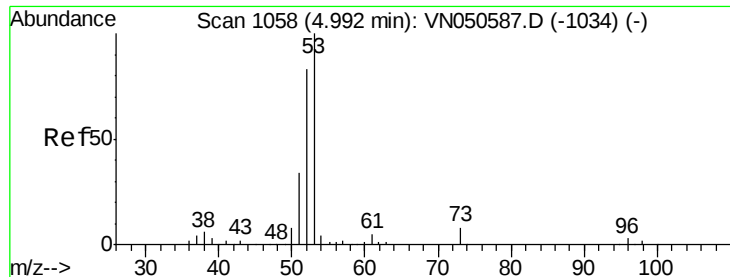


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 228.03 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

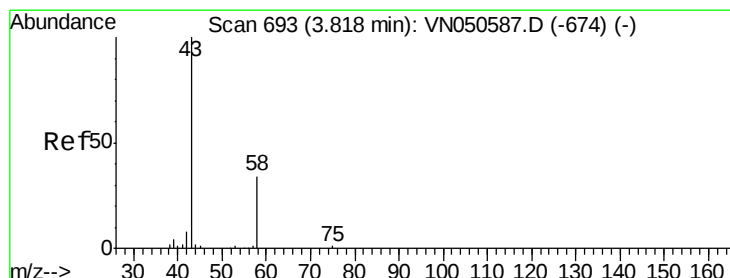
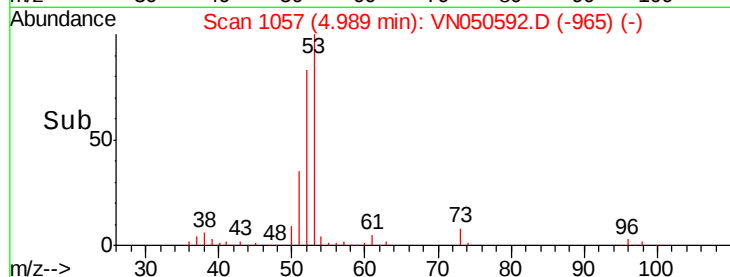
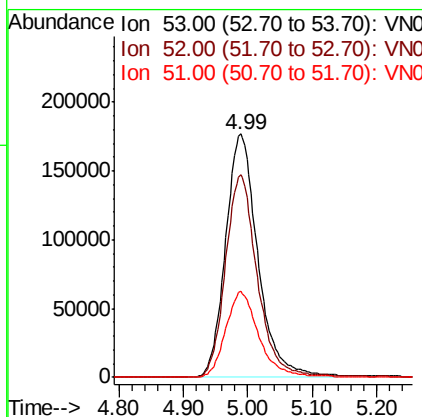
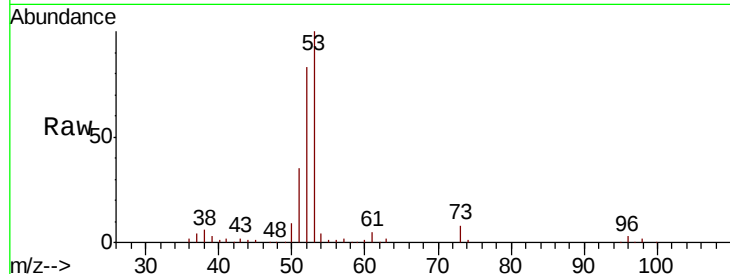
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	617424
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.2
51	36.0	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 244.61 ug/l

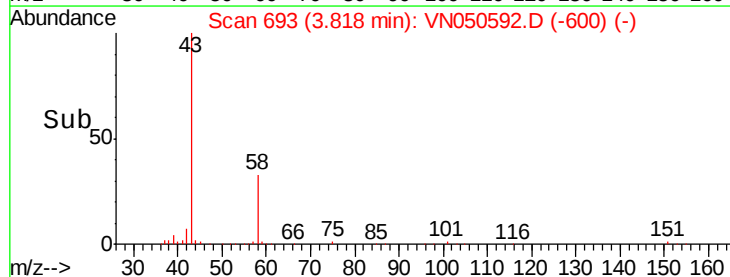
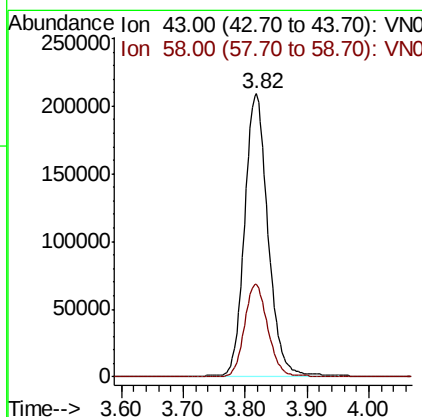
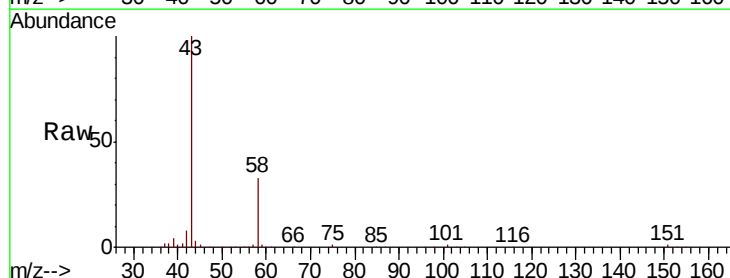
RT: 3.82 min Scan# 693

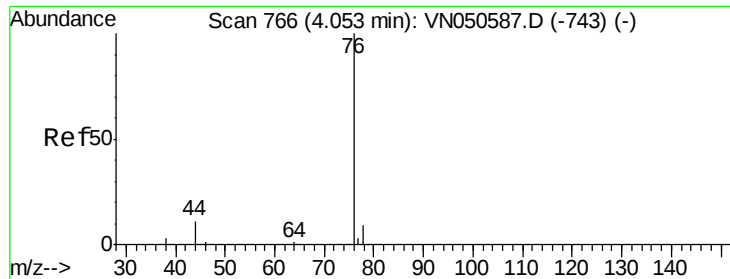
Delta R.T. 0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Tgt Ion:	43	Resp:	551508
Ion	Ratio	Lower	Upper
43	100		
58	32.8	27.1	40.7





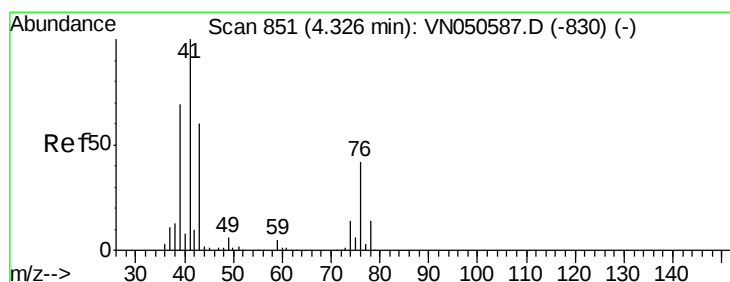
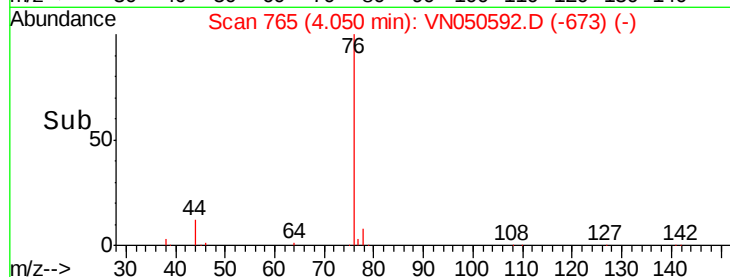
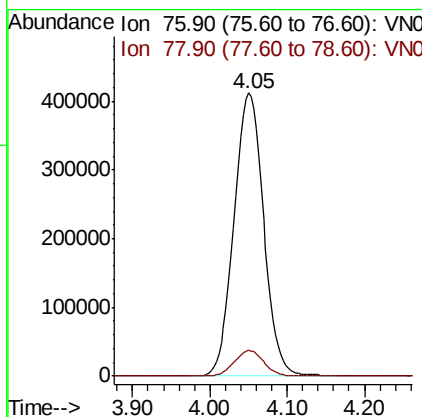
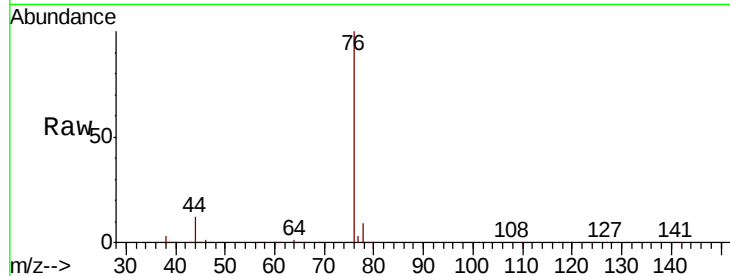
#17
Carbon Disulfide
Concen: 44.79 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1095432
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

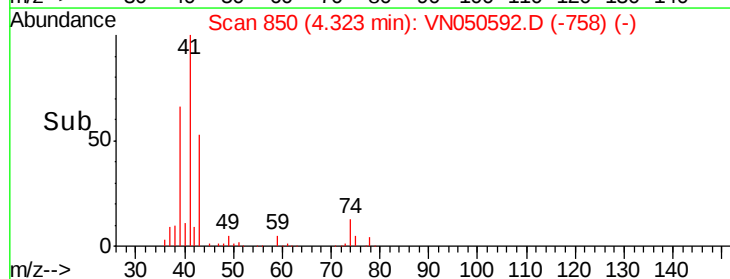
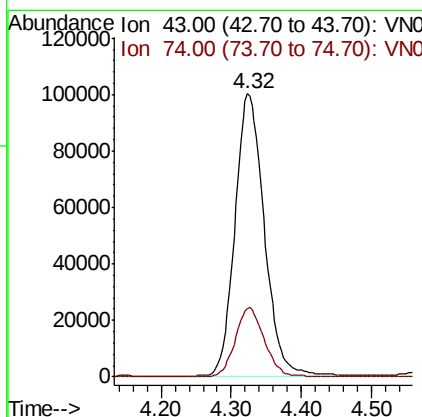
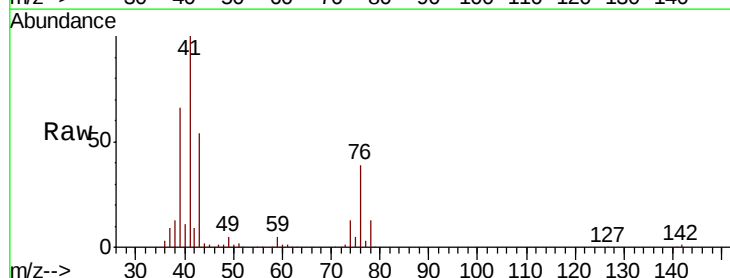
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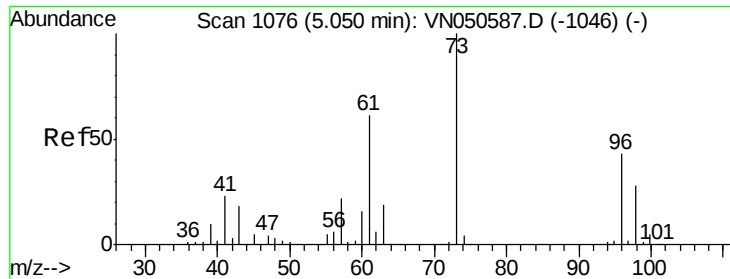
MMDadoda
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#18
Methyl Acetate
Concen: 45.64 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Tgt Ion: 43 Resp: 289974
Ion Ratio Lower Upper
43 100
74 24.3 19.7 29.5





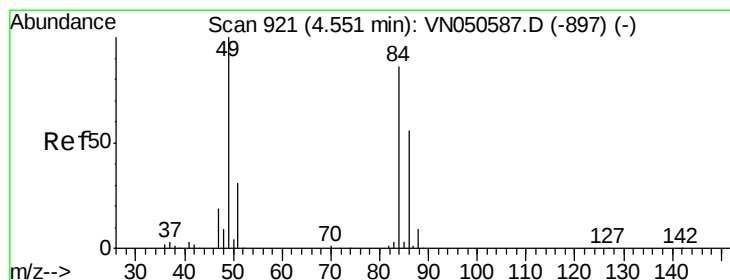
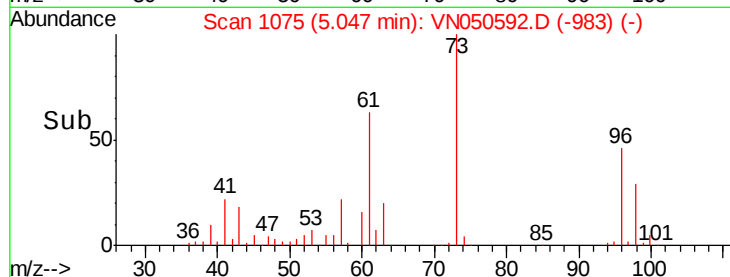
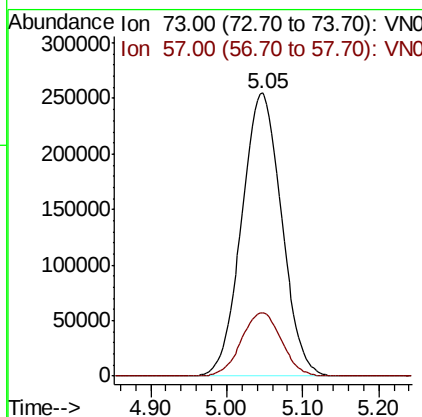
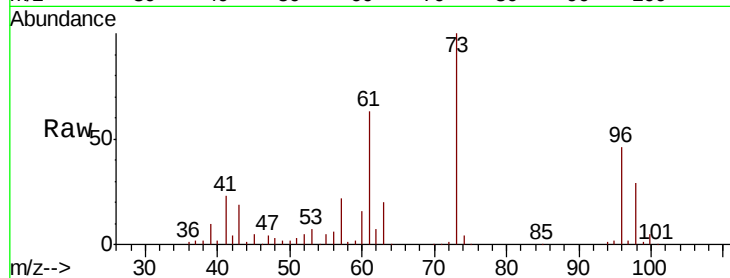
#19
Methyl tert-butyl Ether
Concen: 47.09 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9

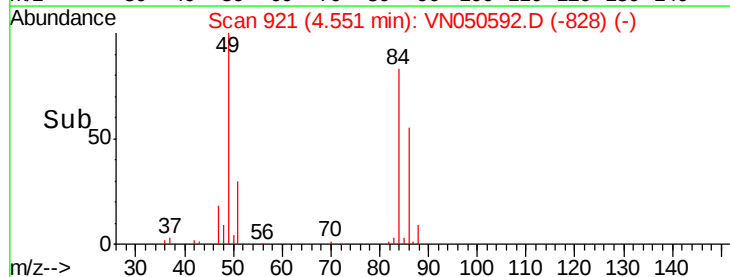
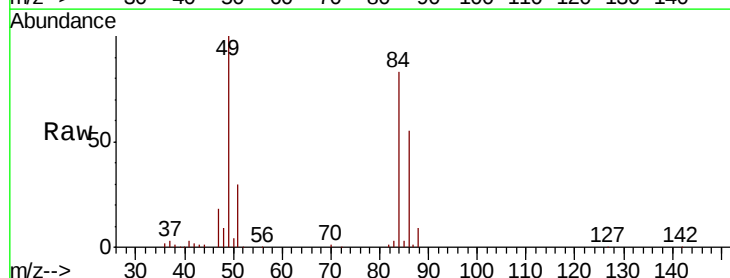
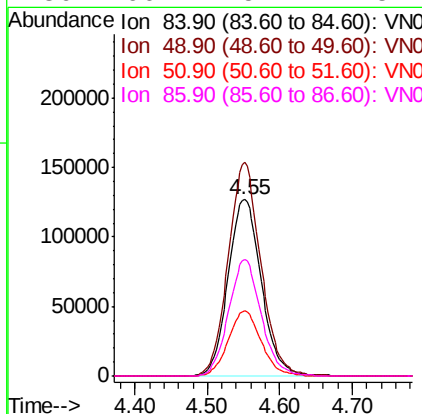
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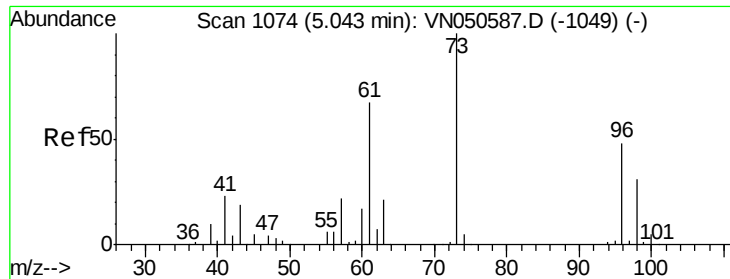
MMDadoda
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#20
Methylene Chloride
Concen: 47.12 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.2	92.6	138.8
51	36.8	28.6	43.0
86	66.1	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 45.87 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 96 Resp: 386495

Ion Ratio Lower Upper

96 100

61 136.4 111.2 166.8

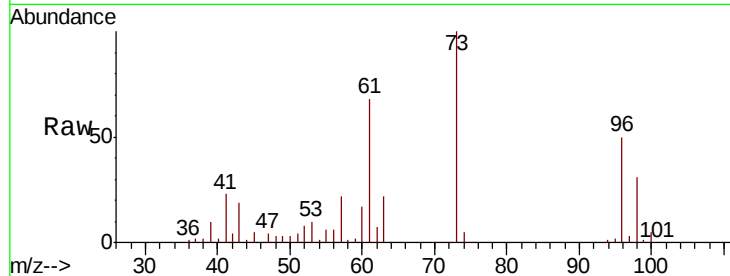
98 61.8 51.6 77.4

Manual Integrations

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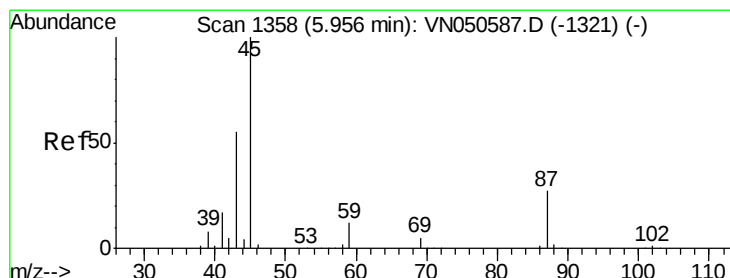
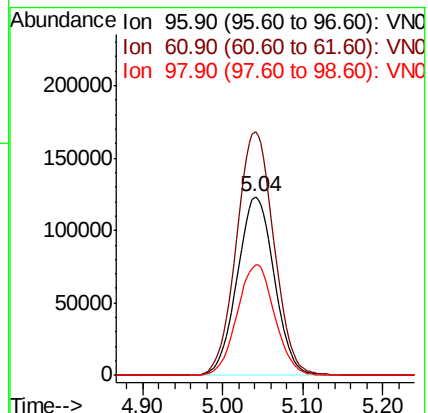
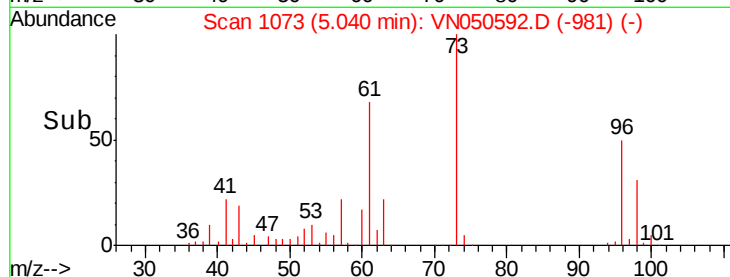


Abundance Ion 95.90 (95.60 to 96.60): VN050587.D (-1049) (-)

Ion 60.90 (60.60 to 61.60): VN050587.D (-1049) (-)

Ion 97.90 (97.60 to 98.60): VN050587.D (-1049) (-)

Time-->



#22

Diisopropyl ether

Concen: 48.09 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Tgt Ion: 45 Resp: 1191935

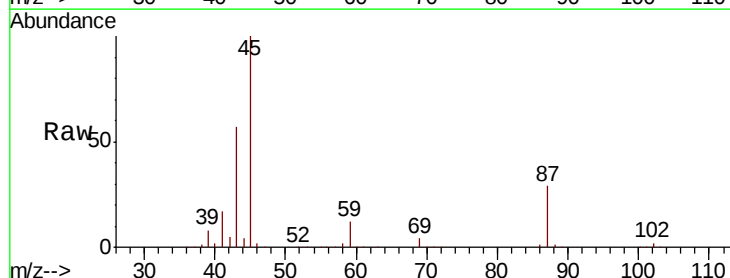
Ion Ratio Lower Upper

45 100

43 56.5 44.5 66.7

87 28.9 22.2 33.2

59 11.8 9.5 14.3



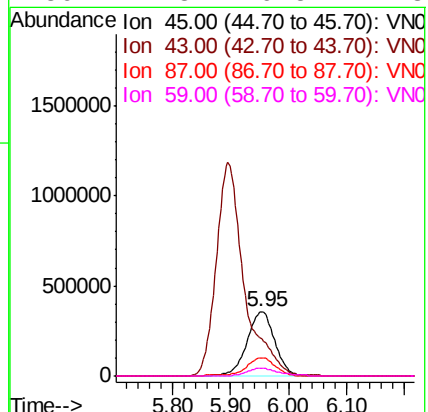
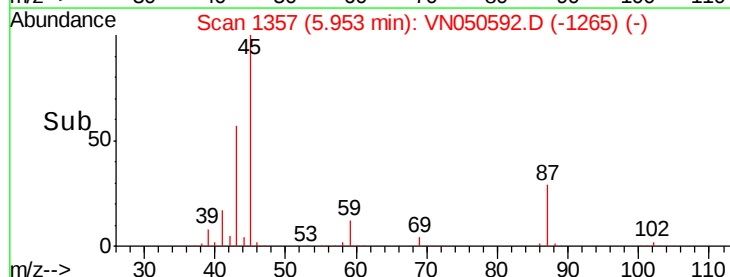
Abundance Ion 45.00 (44.70 to 45.70): VN050587.D (-1321) (-)

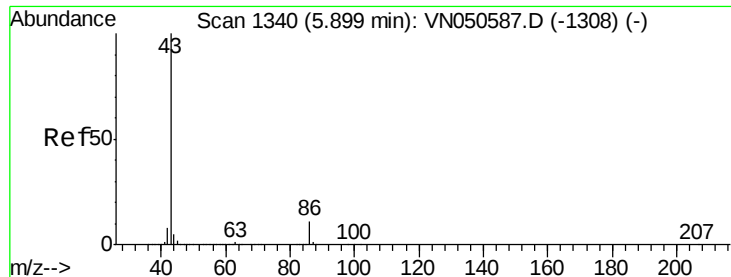
Ion 43.00 (42.70 to 43.70): VN050587.D (-1321) (-)

Ion 87.00 (86.70 to 87.70): VN050587.D (-1321) (-)

Ion 59.00 (58.70 to 59.70): VN050587.D (-1321) (-)

Time-->





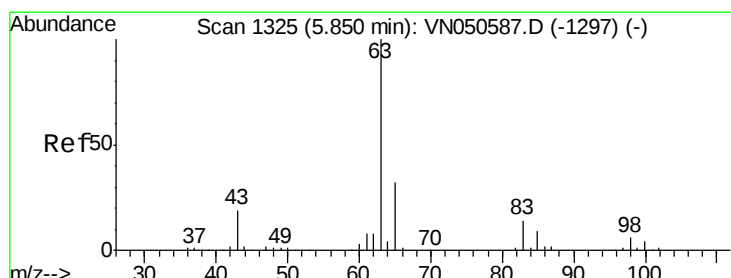
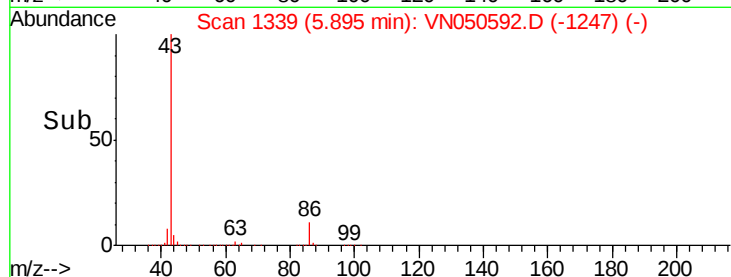
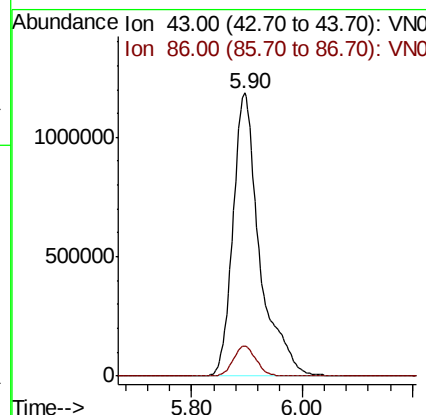
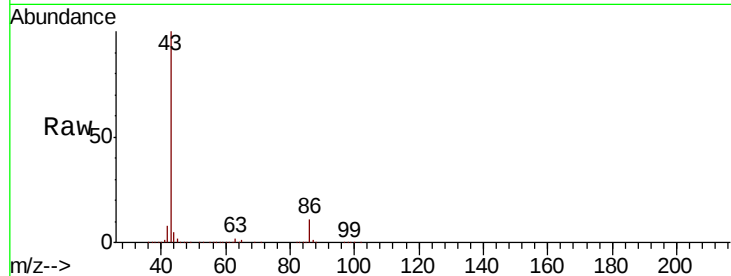
#23
 Vinyl Acetate
 Concen: 245.50 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion: 43 Resp: 3980618
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.4 12.6

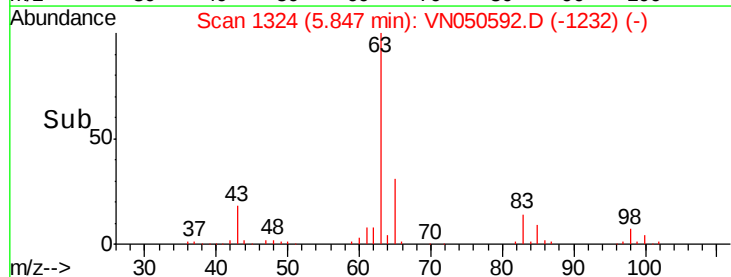
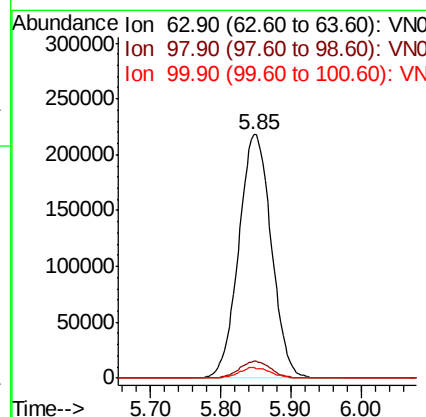
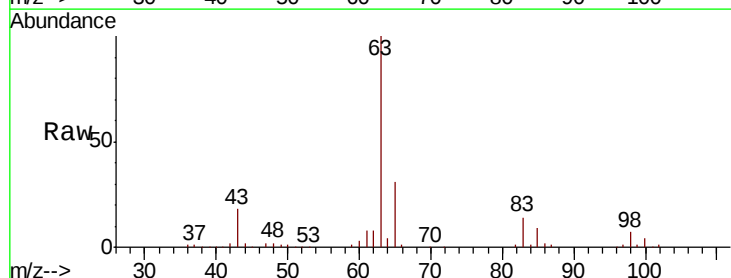
Manual Integrations
 APPROVED

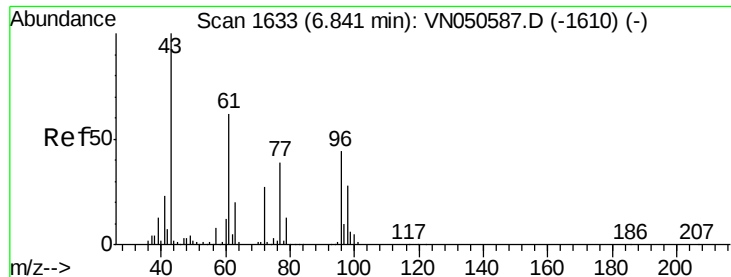
MMDadoda
 8/15/2018 3:31:20 PM



#24
 1,1-Dichloroethane
 Concen: 43.78 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion: 63 Resp: 702096
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.2 9.6
 100 4.2 2.1 6.5





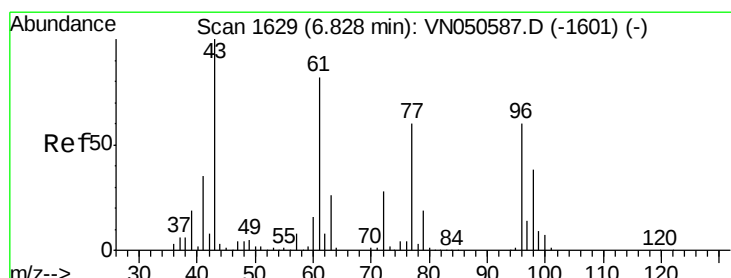
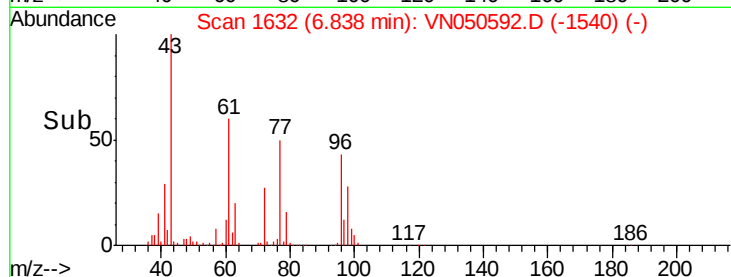
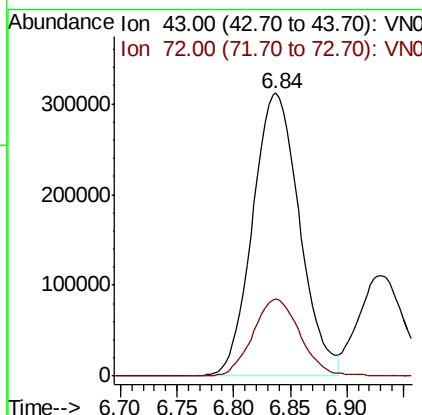
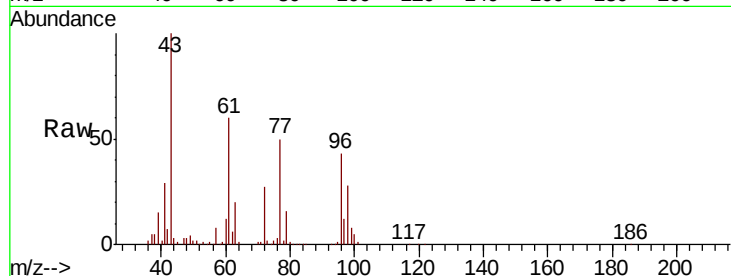
#25
2-Butanone
Concen: 242.39 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 897297
Ion Ratio Lower Upper
43 100
72 27.5 21.8 32.6

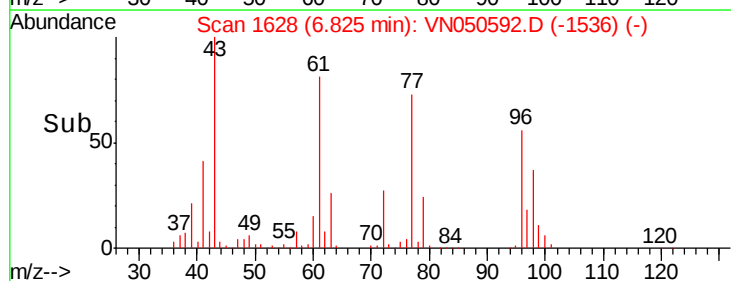
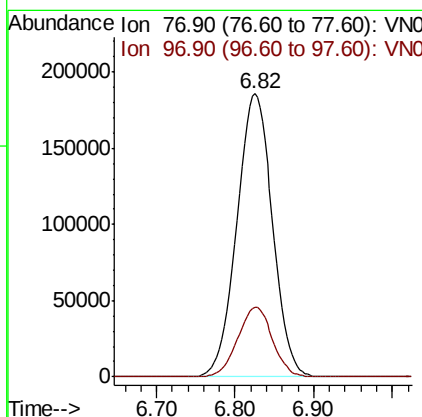
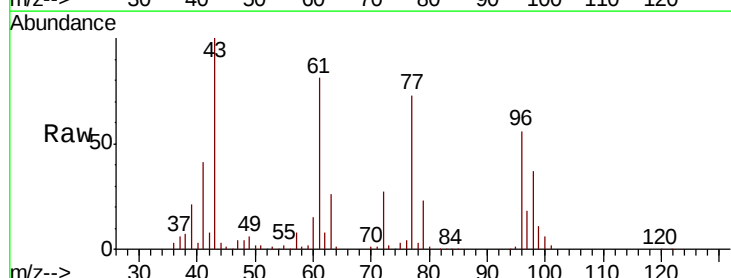
Manual Integrations
APPROVED

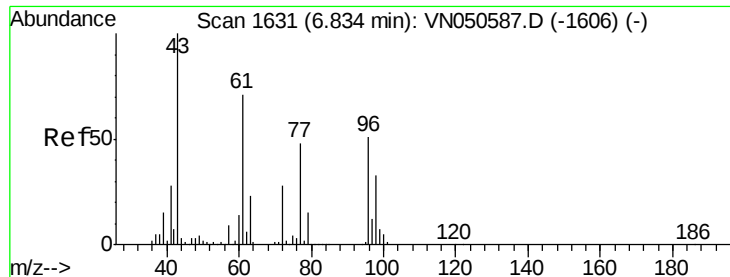
MMDadoda
8/15/2018 3:31:20 PM



#26
2,2-Dichloropropane
Concen: 54.83 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Tgt Ion: 77 Resp: 588653
Ion Ratio Lower Upper
77 100
97 24.1 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 45.39 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

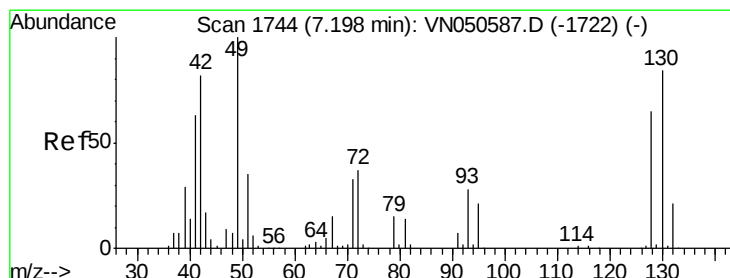
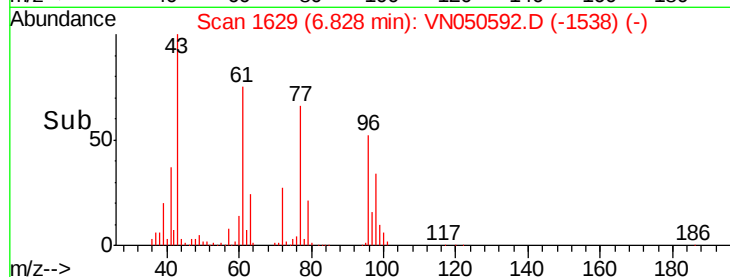
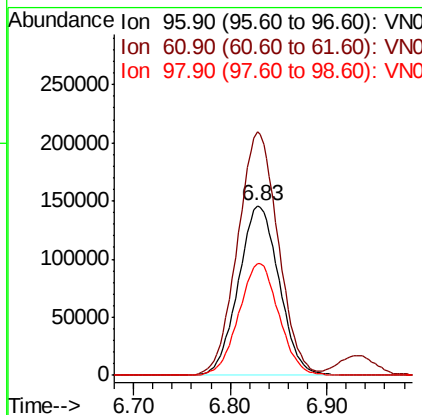
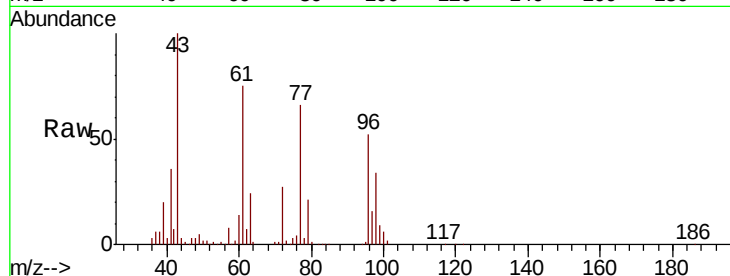
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	425848
Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	278.2
98	65.1	0.0	128.8

Manual Integrations
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#28

Bromochloromethane

Concen: 46.19 ug/l

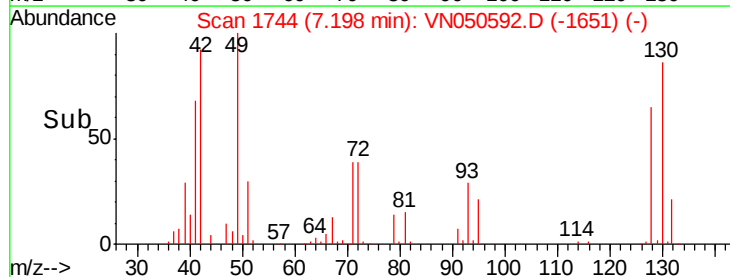
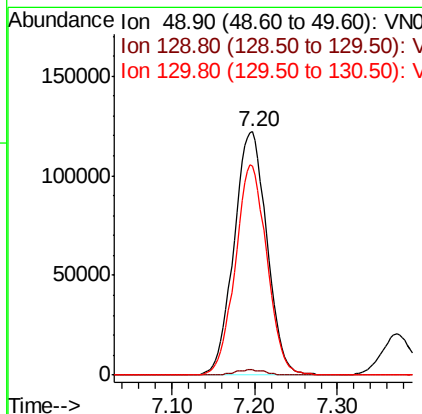
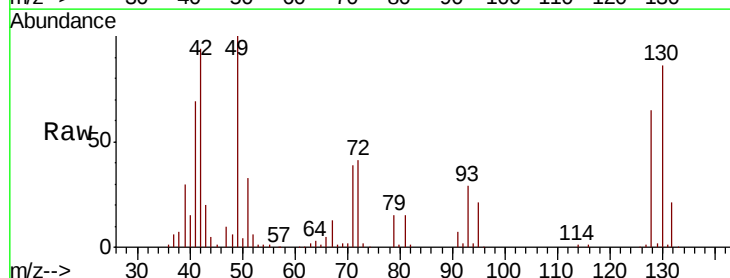
RT: 7.20 min Scan# 1744

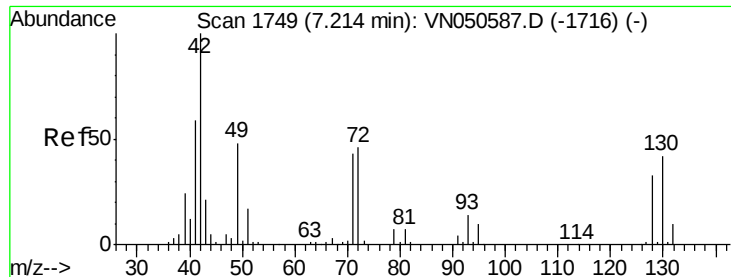
Delta R.T. 0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Tgt Ion:	49	Resp:	337129
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	83.2	66.8	100.2





#29

Tetrahydrofuran

Concen: 233.67 ug/l

RT: 7.21 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

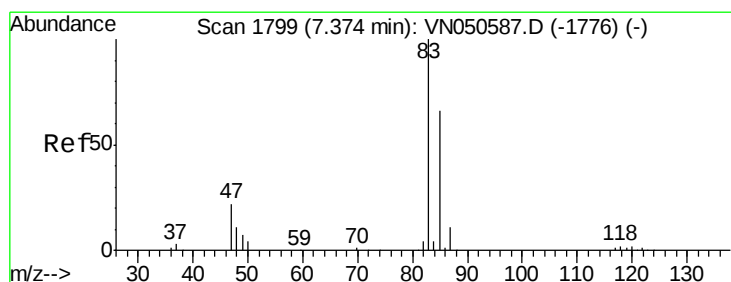
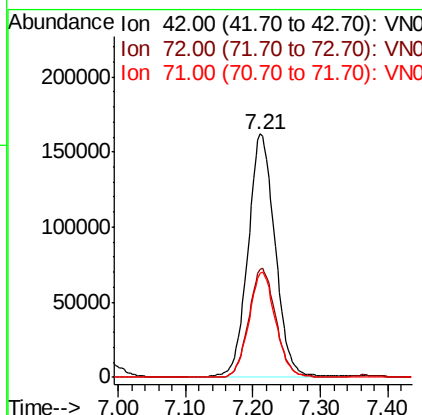
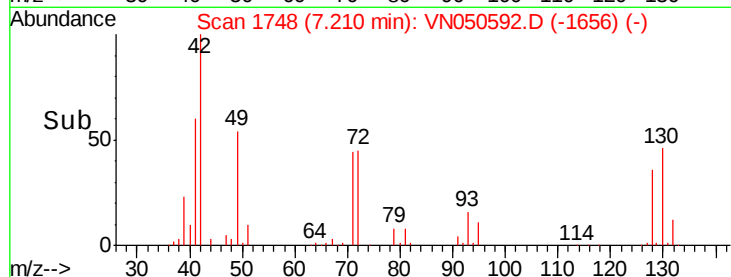
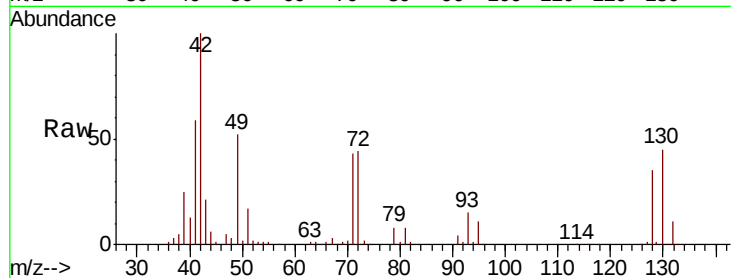
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	451665
Ion Ratio		Lower	Upper
42	100		
72	45.1	35.8	53.6
71	42.5	33.4	50.0

Manual Integrations
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#30

Chloroform

Concen: 44.02 ug/l

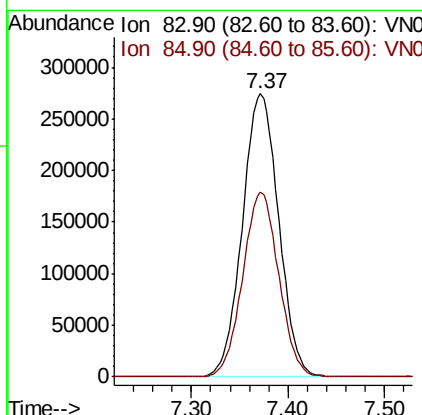
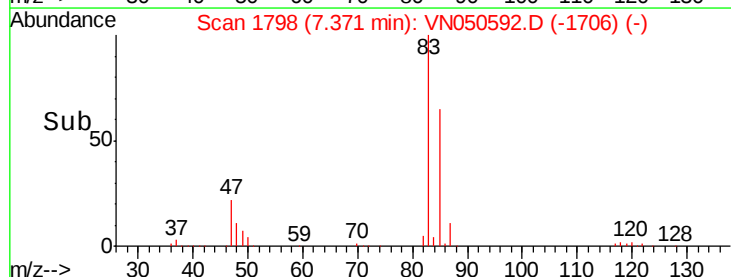
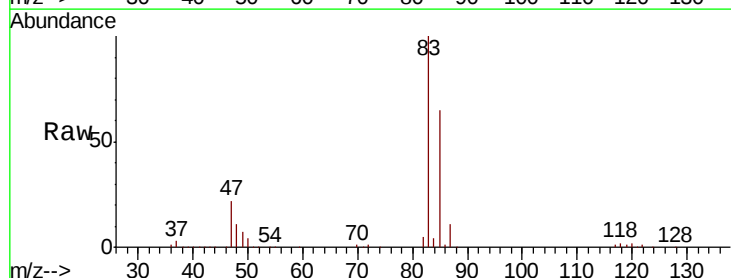
RT: 7.37 min Scan# 1798

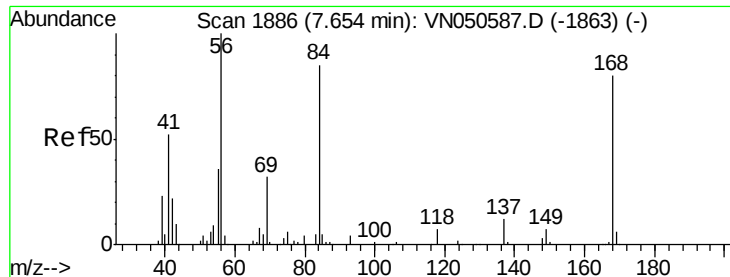
Delta R.T. -0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Tgt Ion:	83	Resp:	715498
Ion Ratio		Lower	Upper
83	100		
85	65.4	52.5	78.7





#31

Cyclohexane

Concen: 47.43 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 649352

Ion Ratio Lower Upper

56 100

69 33.3 25.8 38.6

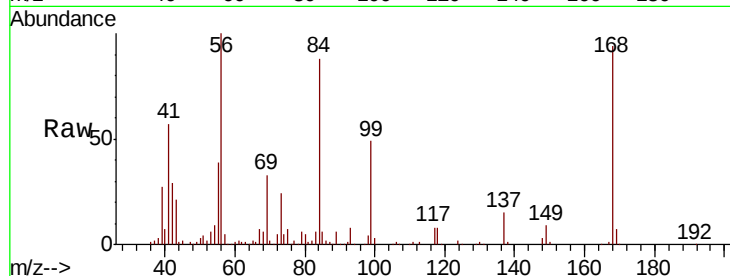
84 86.6 67.8 101.6

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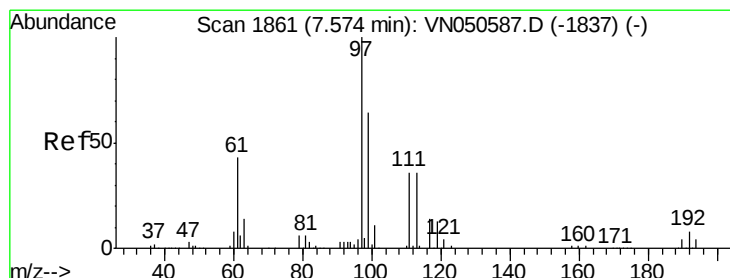
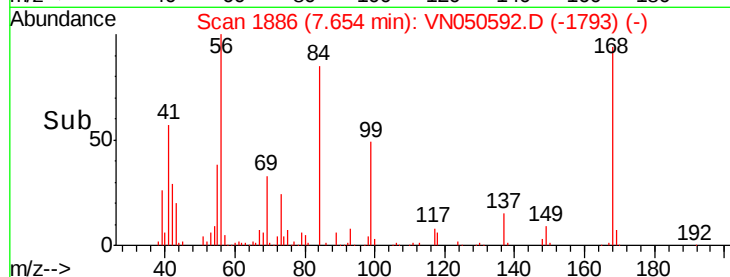
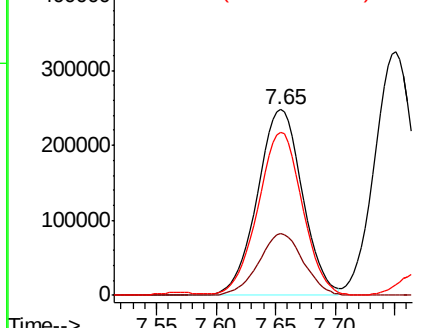
8/15/2018 3:31:20 PM



Abundance Ion 56.00 (55.70 to 56.70): VN050587.D (-1863) (-)

Ion 69.00 (68.70 to 69.70): VN050587.D (-1863) (-)

Ion 84.00 (83.70 to 84.70): VN050587.D (-1863) (-)



#32

1,1,1-Trichloroethane

Concen: 44.40 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

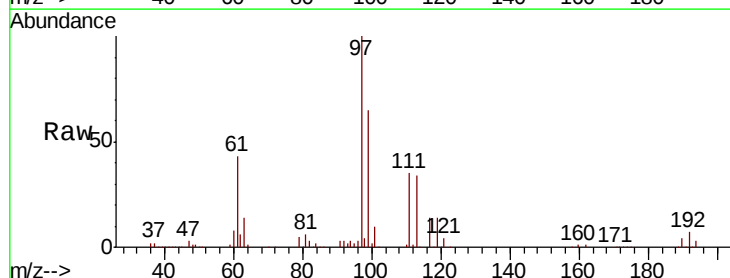
Tgt Ion: 97 Resp: 607416

Ion Ratio Lower Upper

97 100

99 64.3 51.1 76.7

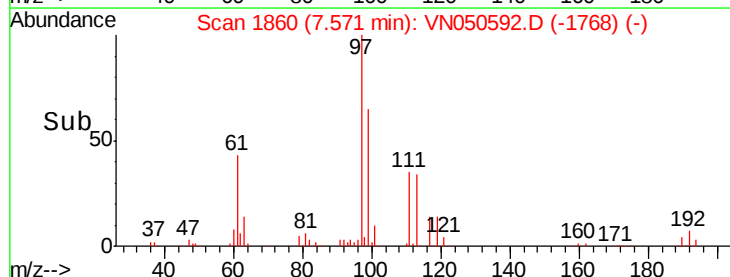
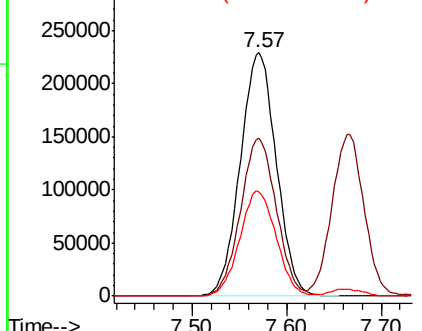
61 43.7 34.8 52.2

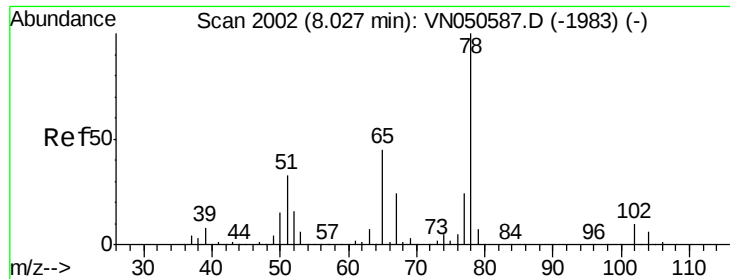


Abundance Ion 96.90 (96.60 to 97.60): VN050587.D (-1837) (-)

Ion 98.90 (98.60 to 99.60): VN050587.D (-1837) (-)

Ion 60.90 (60.60 to 61.60): VN050587.D (-1837) (-)





#33

1,2-Dichloroethane-d4

Concen: 47.24 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 426529

Ion Ratio Lower Upper

65 100

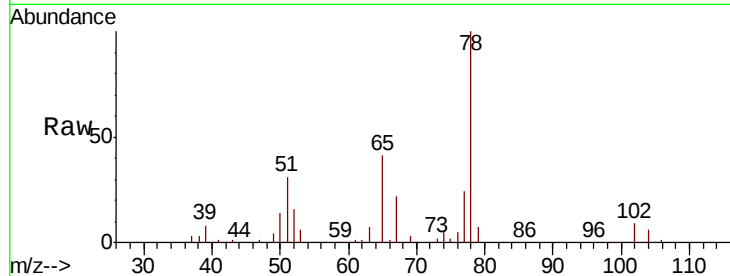
67 53.8 0.0 109.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN050587.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050587.D (-1983) (-)

8.03

200000

150000

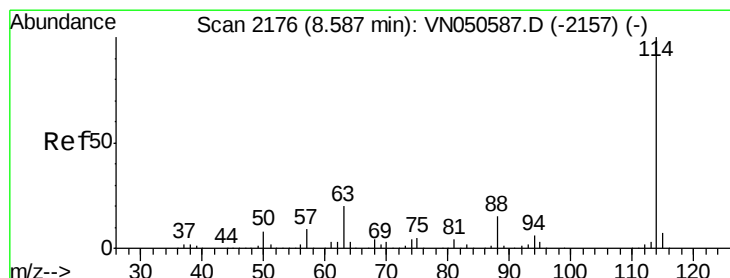
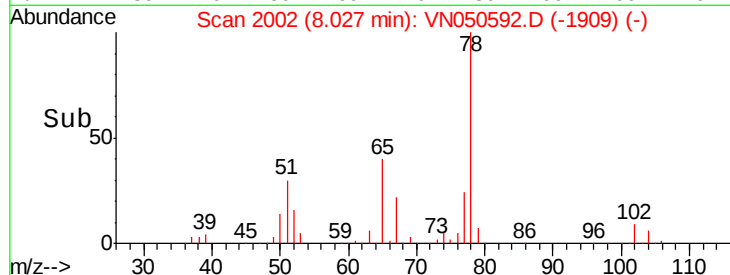
100000

50000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

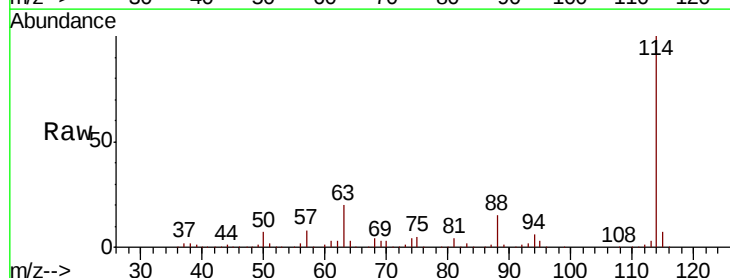
Tgt Ion: 114 Resp: 991440

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 15.4 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): VN050587.D (-2157) (-)

Ion 63.00 (62.70 to 63.70): VN050587.D (-2157) (-)

Ion 87.90 (87.60 to 88.60): VN050587.D (-2157) (-)

8.59

600000

500000

400000

300000

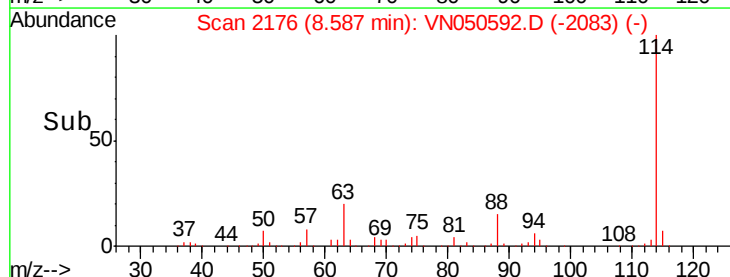
200000

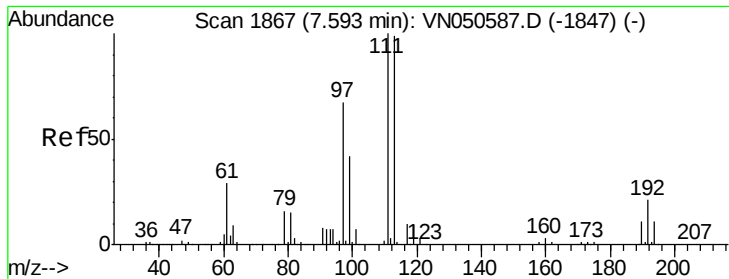
100000

0

8.50 8.60 8.70

Time-->





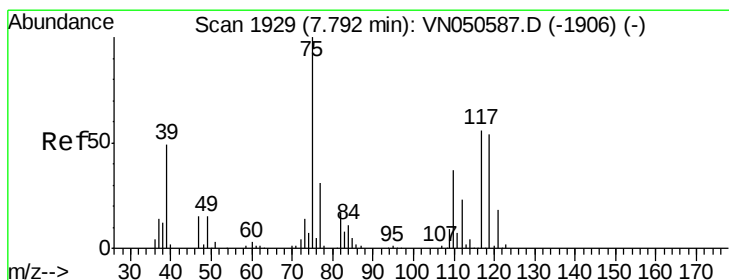
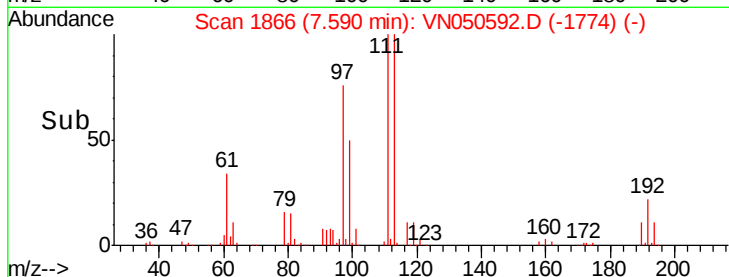
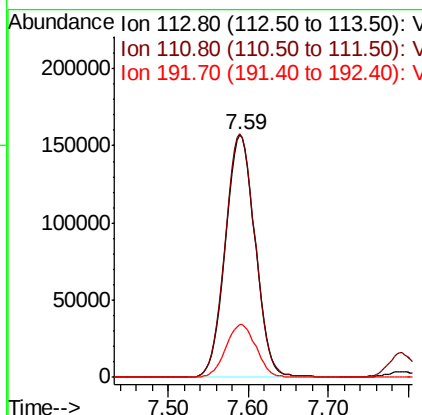
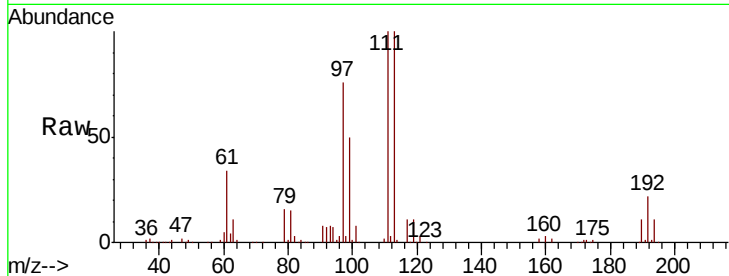
#35
 Dibromofluoromethane
 Concen: 50.50 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	399717		
111	101.3	81.0	121.6	
192	22.0	17.6	26.4	

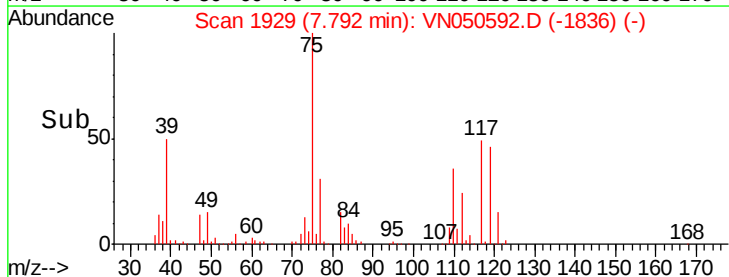
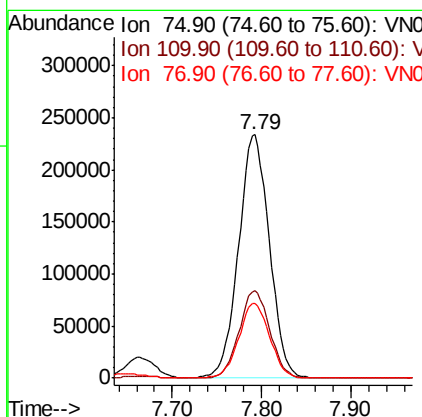
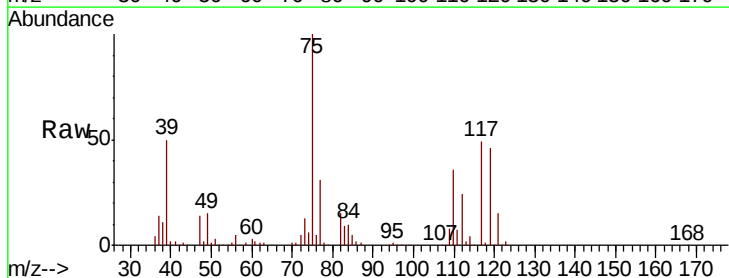
Manual Integrations
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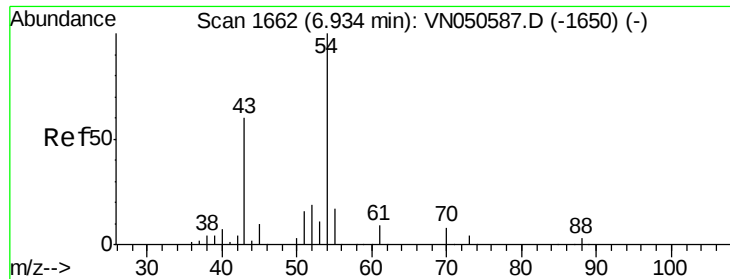
MMDadoda
 8/15/2018 3:31:20 PM



#36
 1,1-Dichloropropene
 Concen: 50.49 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	557216		
110	35.9	18.3	54.9	
77	31.1	25.0	37.4	





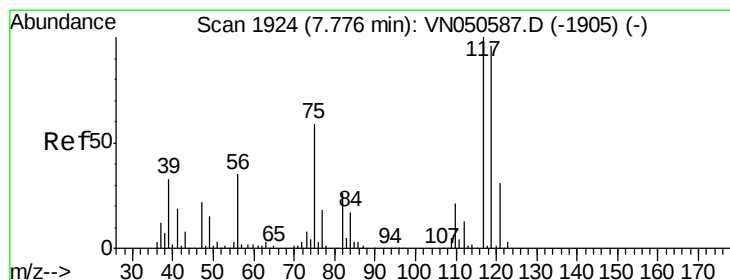
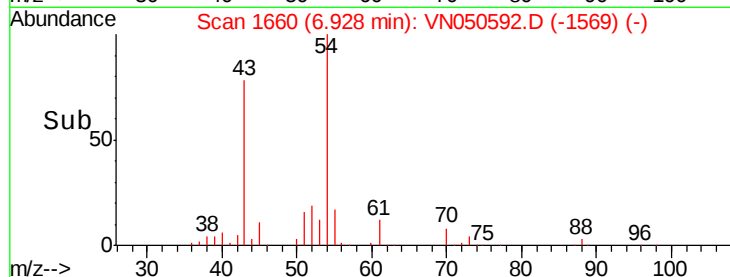
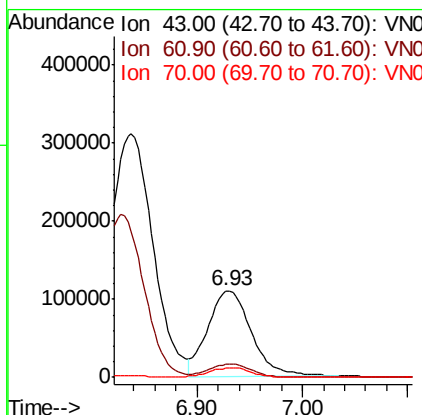
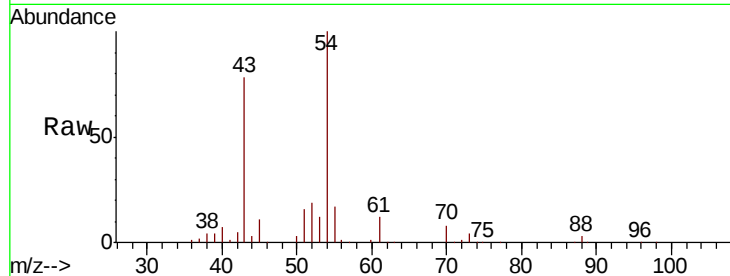
#37
Ethyl Acetate
Concen: 50.61 ug/l
RT: 6.93 min Scan# 1660
Delta R.T. -0.01 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.0	18.0
70	10.4	8.5	12.7

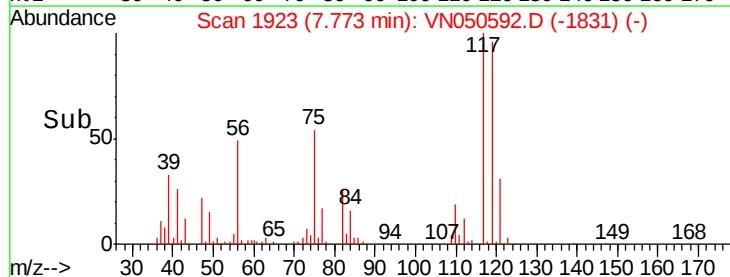
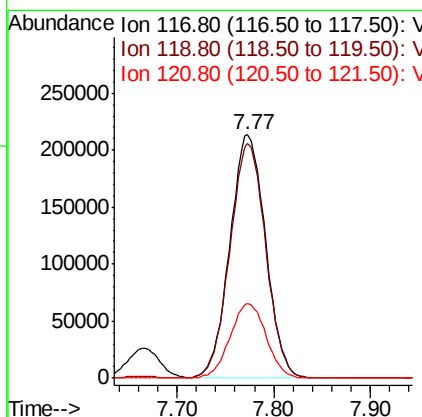
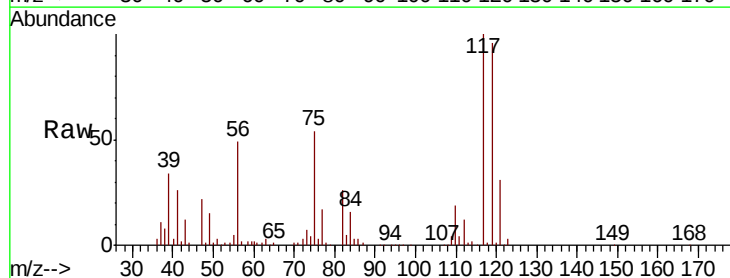
Manual Integrations
APPROVED

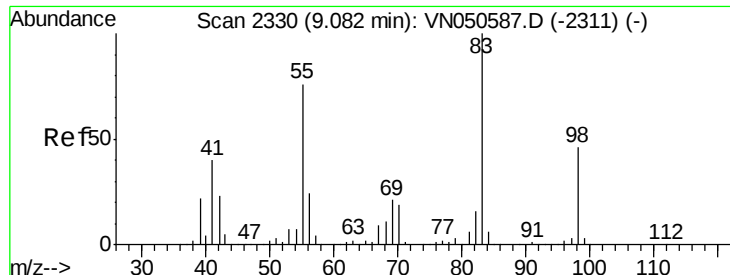
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.72 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.6	115.0
121	30.9	25.0	37.6





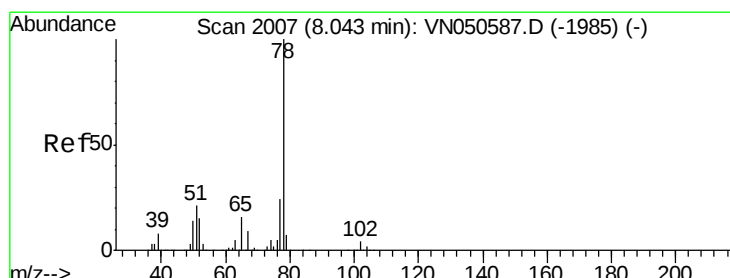
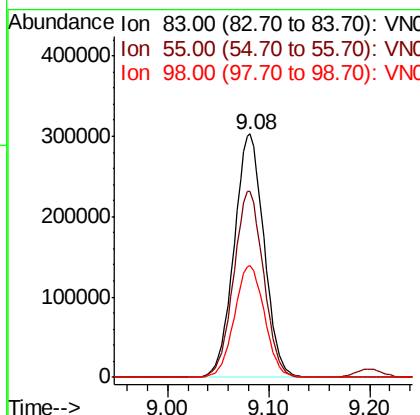
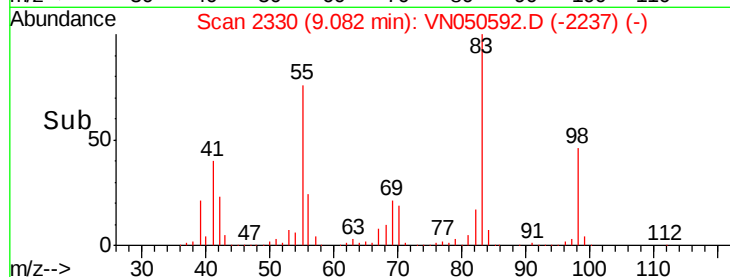
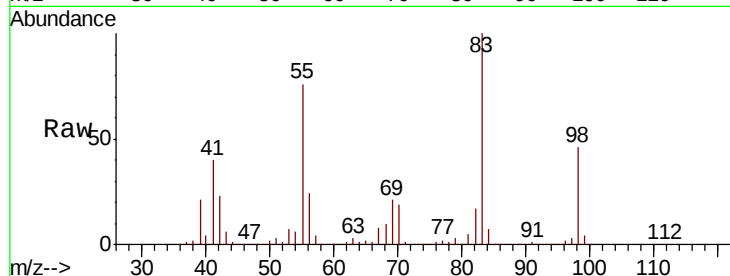
#39
Methvlcvclohexane
Concen: 54.38 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	60.6	91.0
98	45.8	37.0	55.4

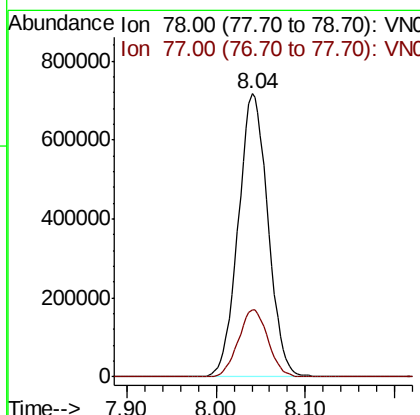
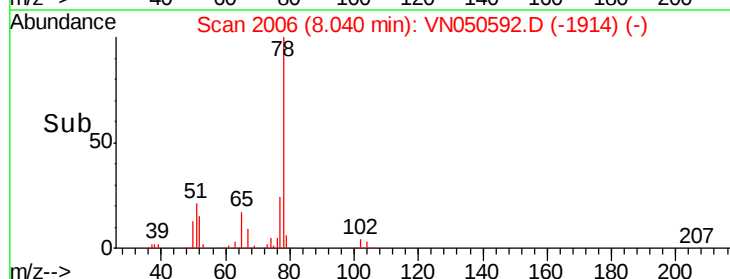
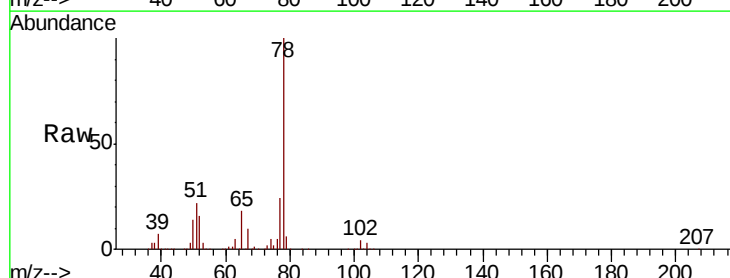
Manual Integrations
APPROVED

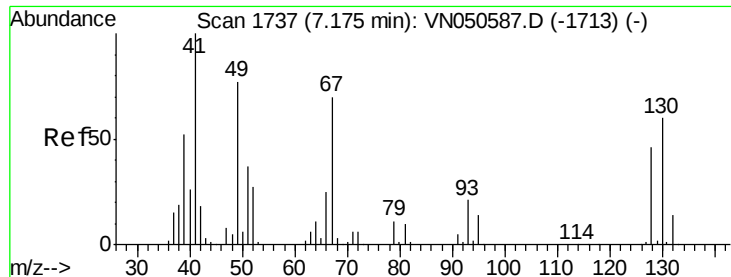
MMDadoda
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#40
Benzene
Concen: 49.38 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





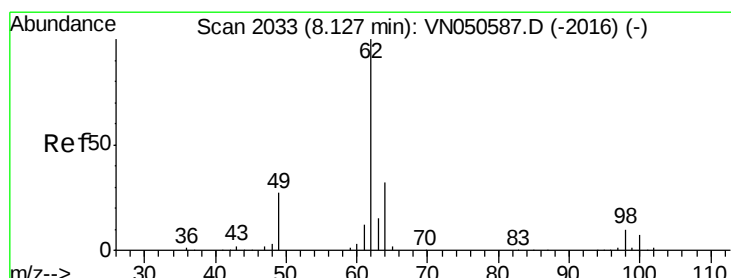
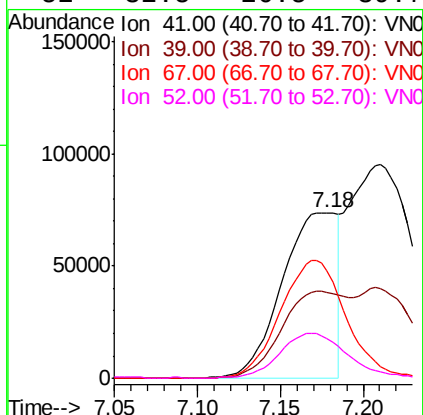
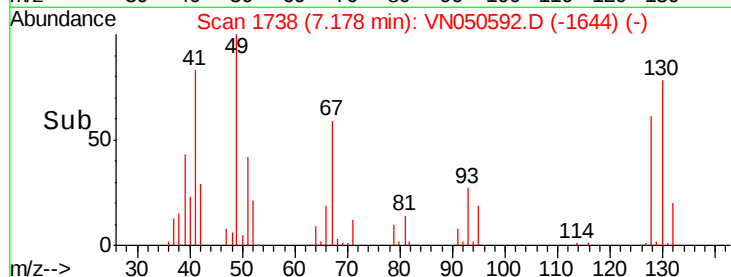
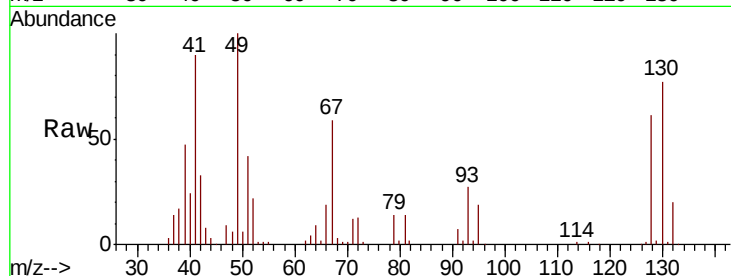
#41
Methacrylonitrile
Concen: 50.86 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.6	44.6	66.8
67	84.7	66.7	100.1
52	32.5	26.5	39.7

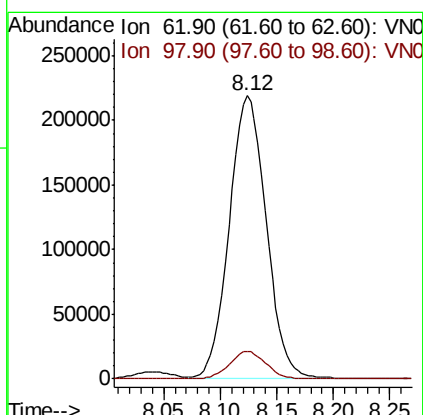
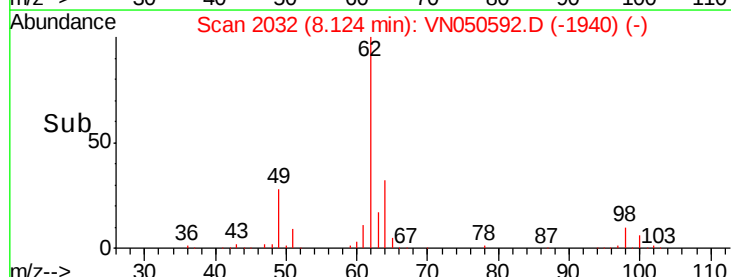
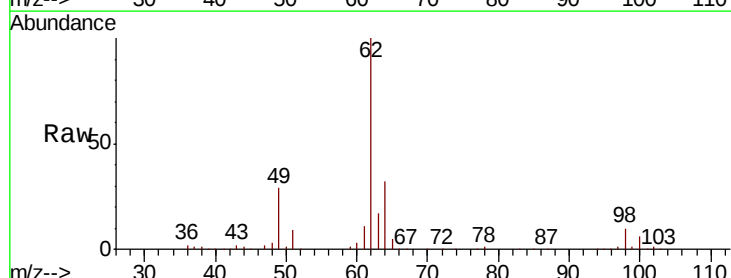
Manual Integrations
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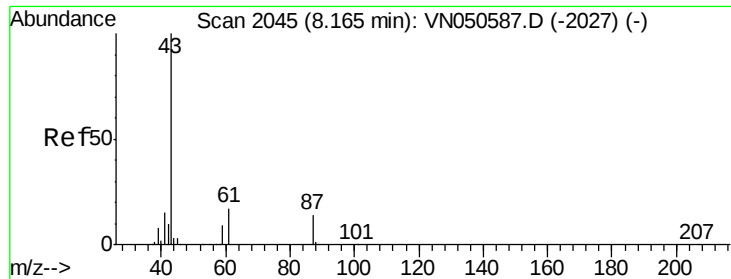
MMDadoda
8/15/2018 3:31:20 PM



#42
1,2-Dichloroethane
Concen: 48.20 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





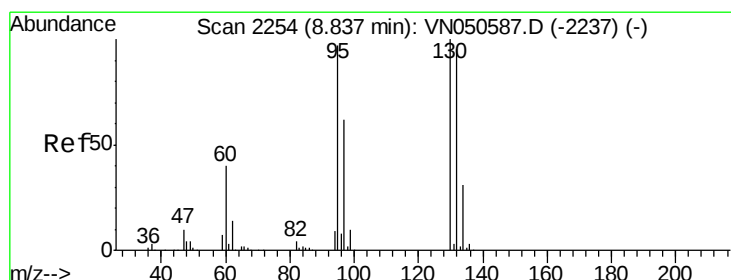
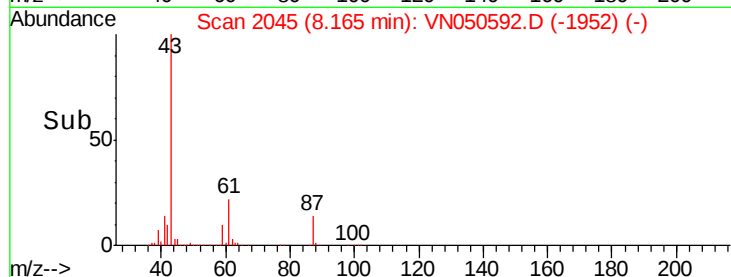
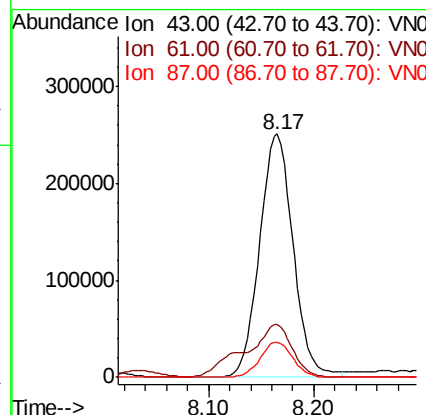
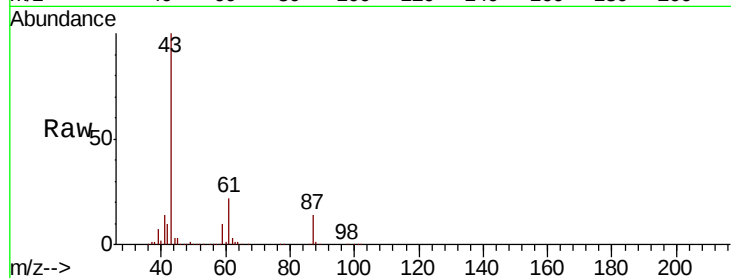
#43
Isopropyl Acetate
Concen: 48.88 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.2	24.2
87	14.1	10.9	16.3

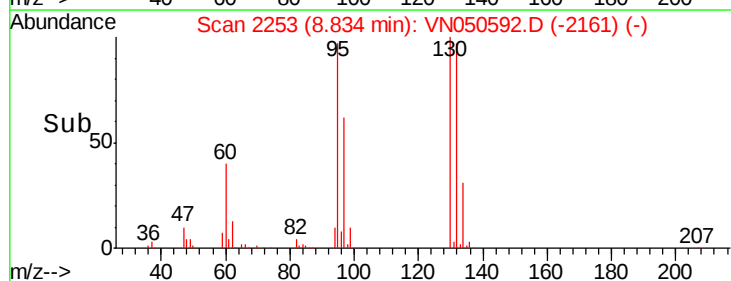
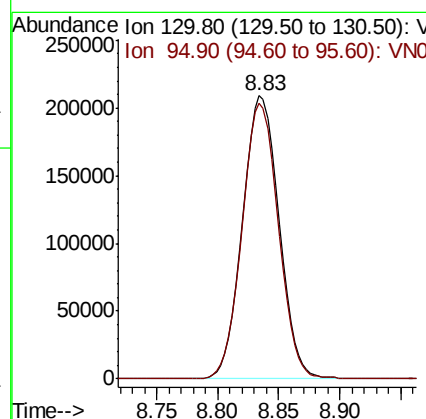
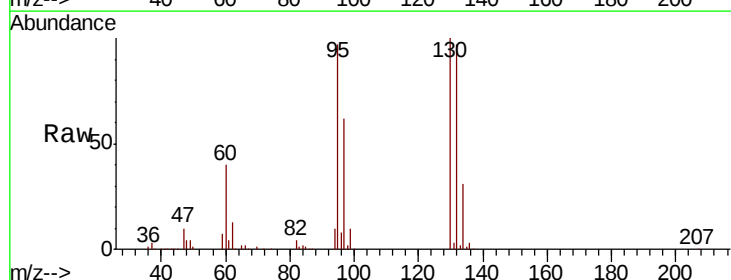
Manual Integrations
APPROVED

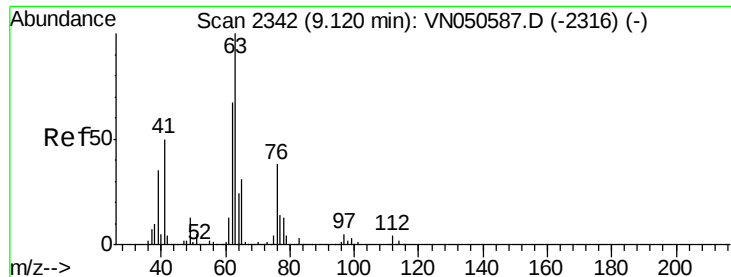
MMDadoda
8/15/2018 3:31:20 PM



#44
Trichloroethene
Concen: 48.15 ug/l
RT: 8.83 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	193.8





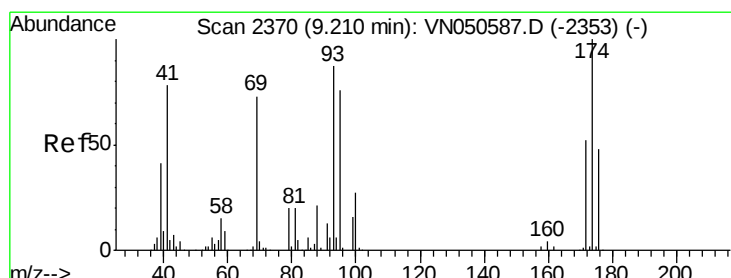
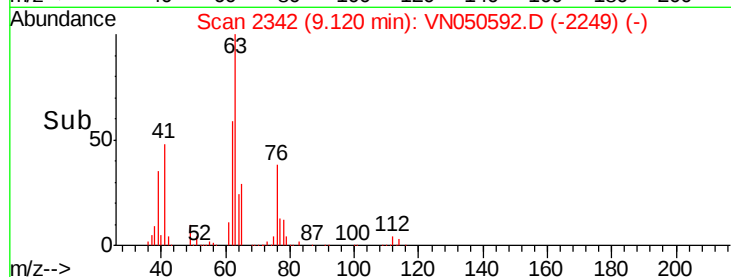
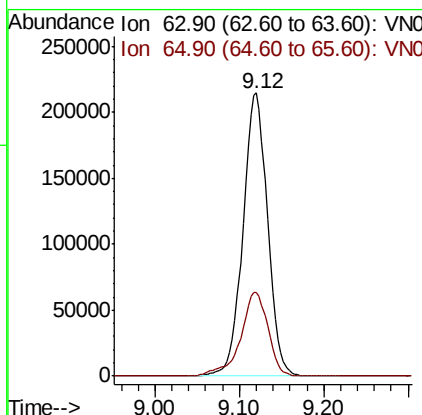
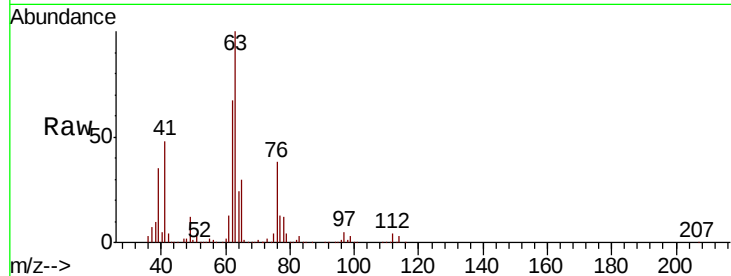
#45
 1,2-Dichloropropane
 Concen: 48.87 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 436791
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.5 36.7

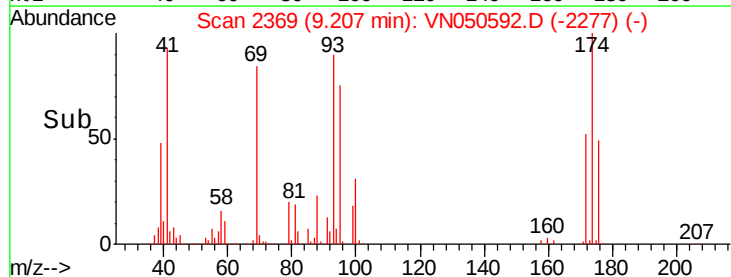
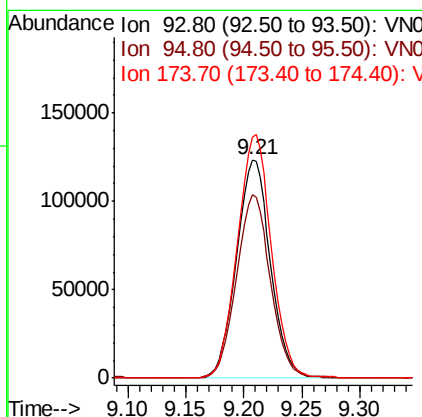
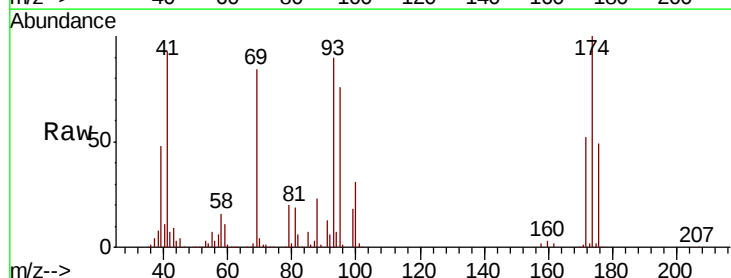
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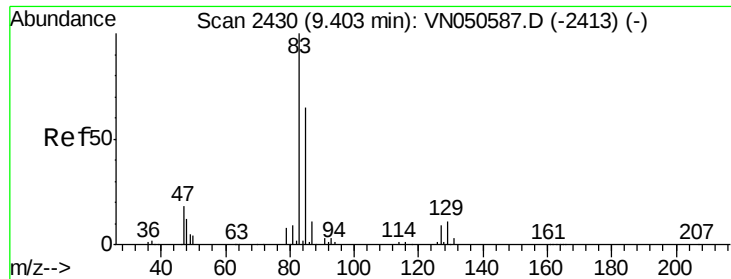
MMDadoda
 8/15/2018 3:31:20 PM



#46
 Dibromomethane
 Concen: 47.54 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion: 93 Resp: 250914
 Ion Ratio Lower Upper
 93 100
 95 83.7 69.1 103.7
 174 112.2 91.0 136.6





#47

Bromodichloromethane

Concen: 48.47 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

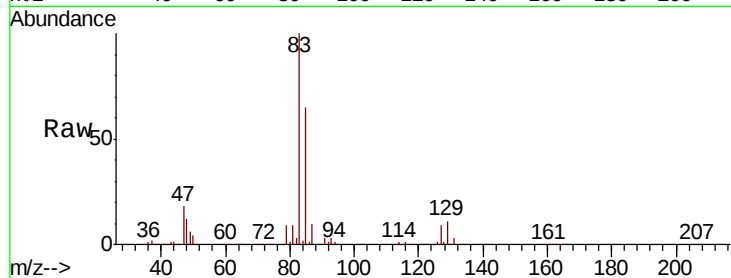
ClientSampleId :

VSTDCCC050

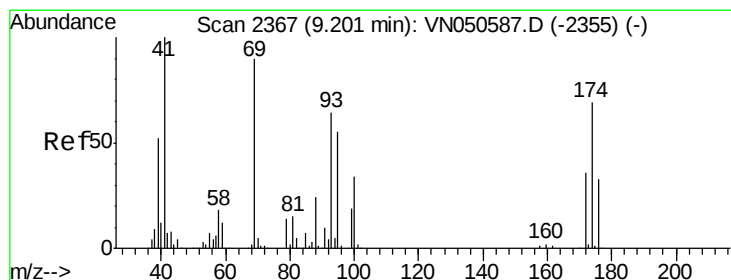
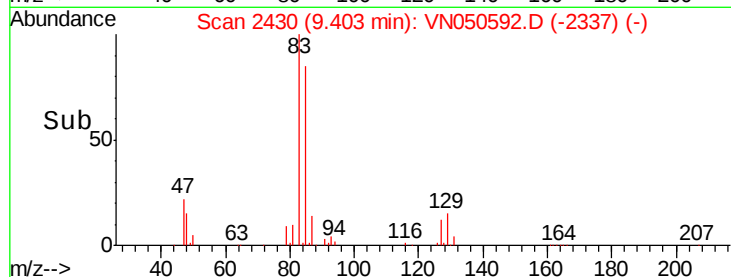
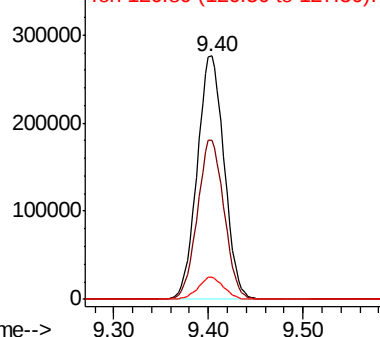
Tot Ion:	83	Resp:	546759
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.6
127	9.1	7.2	10.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN050592.D (-2337) (-)



#48

Methyl methacrylate

Concen: 48.99 ug/l

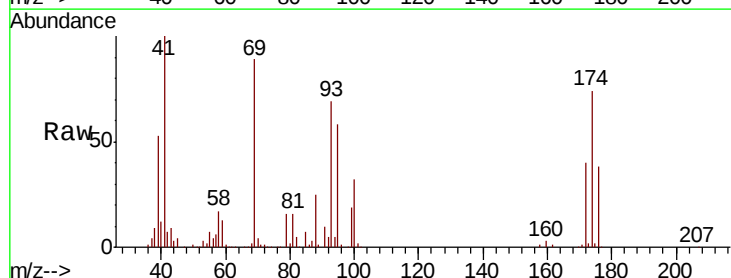
RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

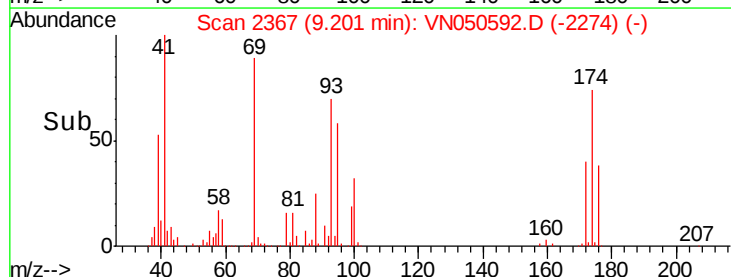
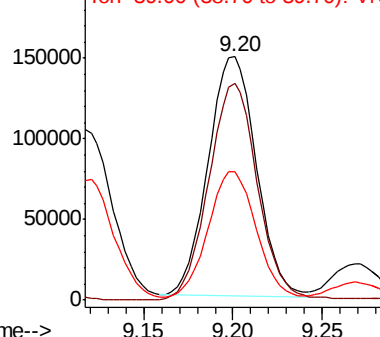
Lab File: VN050592.D

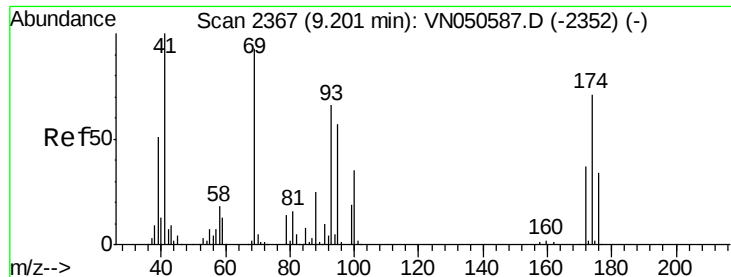
Acq: 14 Aug 2018 10:45

Tgt Ion:	41	Resp:	280234
Ion	Ratio	Lower	Upper
41	100		
69	92.1	73.4	110.0
39	54.1	43.0	64.6



Abundance Ion 41.00 (40.70 to 41.70): VN050592.D (-2274) (-)





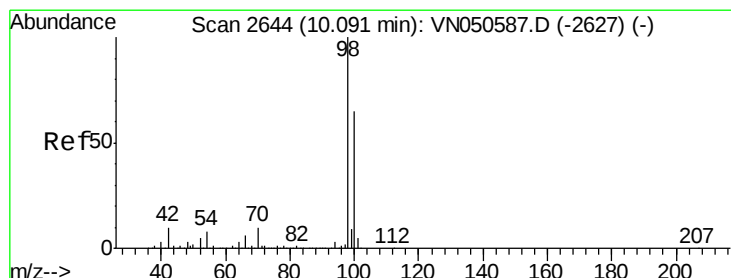
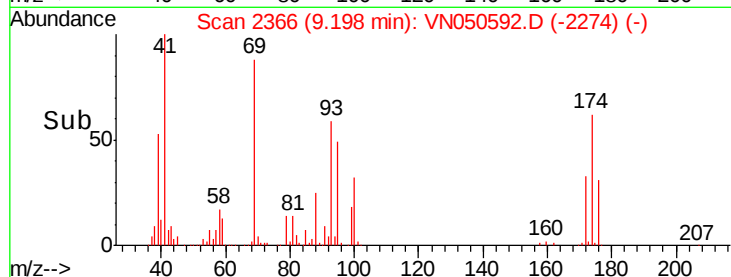
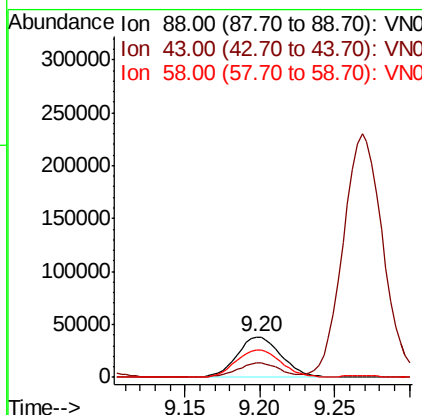
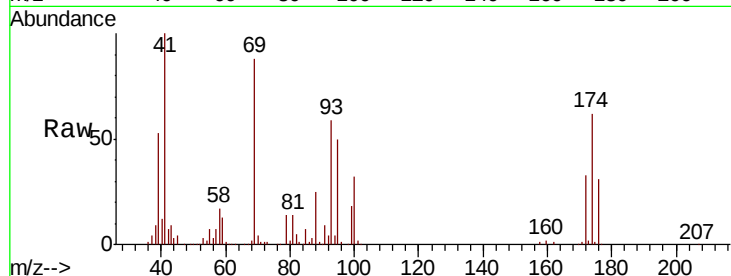
#49
1,4-Dioxane
Concen: 1041.75 ug/l
RT: 9.20 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	25.9	38.9
58	69.6	56.5	84.7

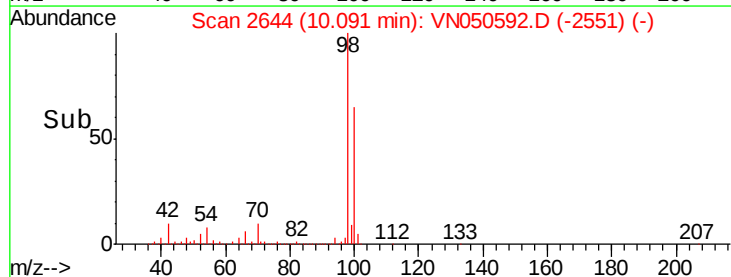
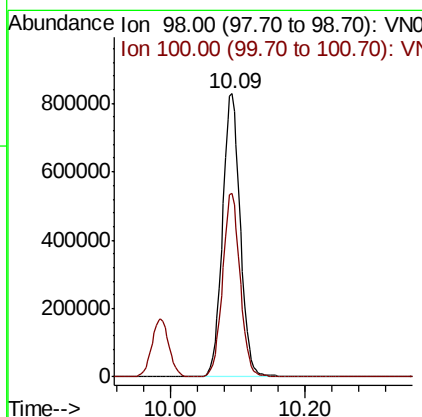
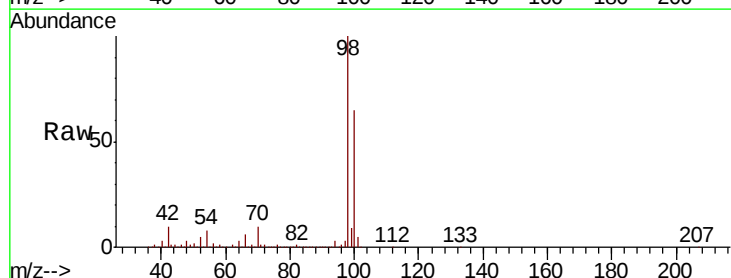
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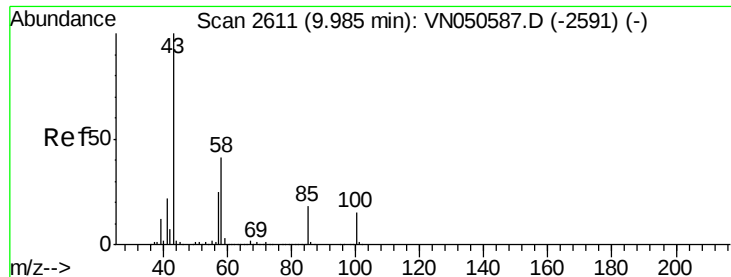
MMDadoda
8/15/2018 3:31:20 PM



#50
Toluene-d8
Concen: 51.22 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 256.11 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1969243

Ion Ratio Lower Upper

43 100

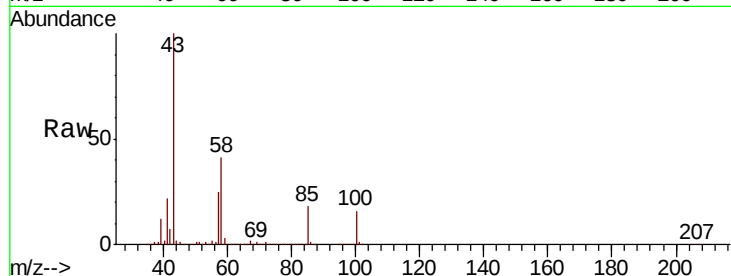
58 40.6 32.5 48.7

Manual Integrations

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MMDadoda

8/15/2018 3:31:20 PM



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-2591) (-)

Ion 58.00 (57.70 to 58.70): VN050587.D (-2591) (-)

1200000

1000000

800000

600000

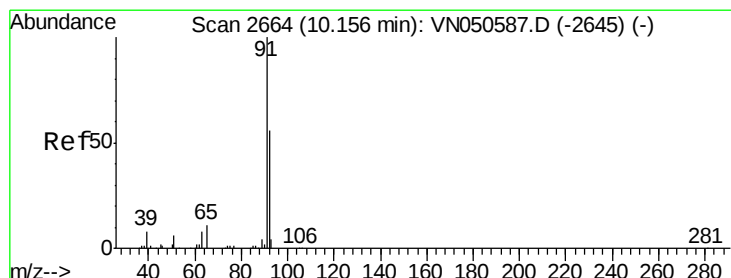
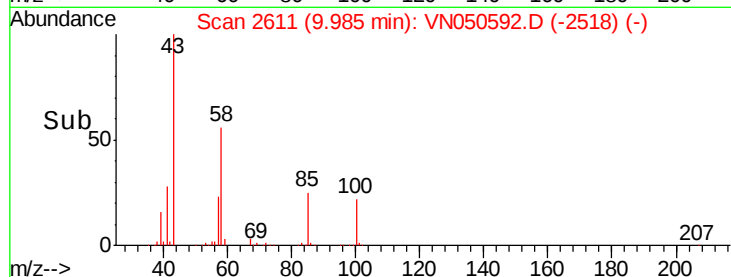
400000

200000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 52.05 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050592.D

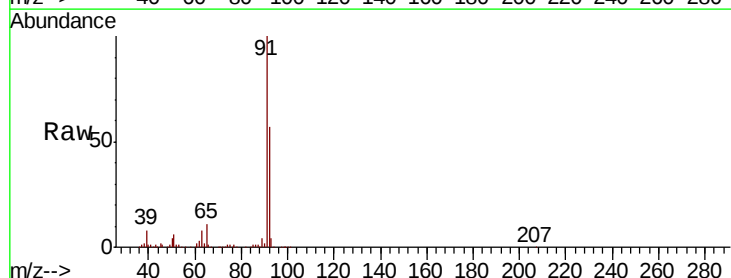
Acq: 14 Aug 2018 10:45

Tgt Ion: 92 Resp: 1043404

Ion Ratio Lower Upper

92 100

91 173.5 141.9 212.9



Abundance Ion 92.00 (91.70 to 92.70): VN050587.D (-2645) (-)

Ion 91.00 (90.70 to 91.70): VN050587.D (-2645) (-)

1200000

1000000

800000

600000

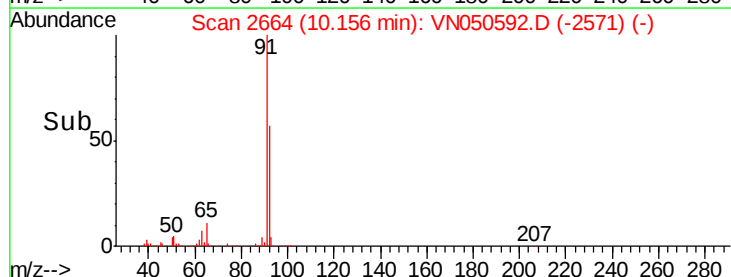
400000

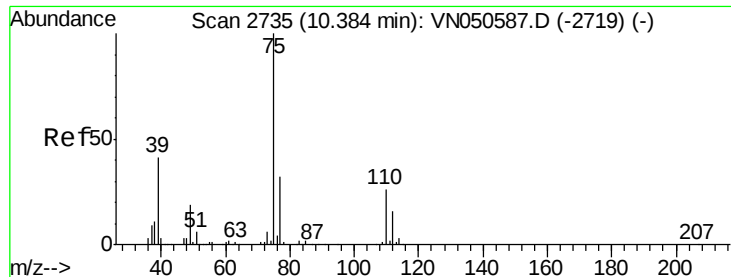
200000

0

10.00 10.10 10.16 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.71 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 553873

Ion Ratio Lower Upper

75 100

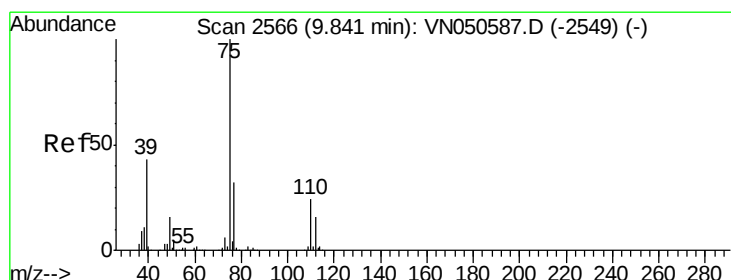
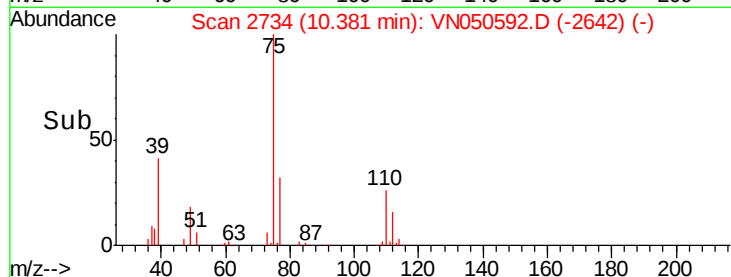
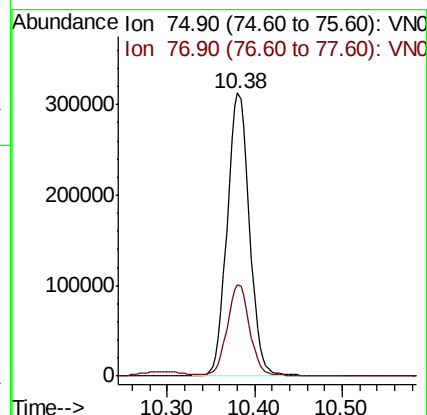
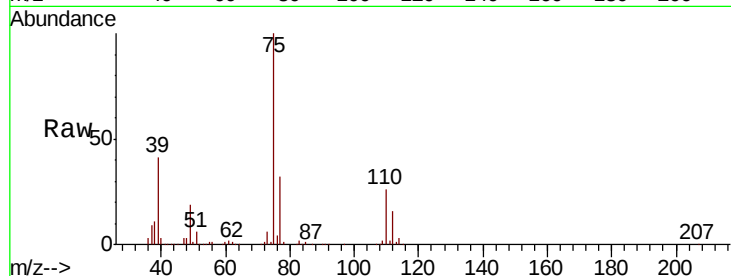
77 32.1 25.8 38.6

Manual Integrations

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8/15/2018 3:31:20 PM



#54

cis-1,3-Dichloropropene

Concen: 54.12 ug/l

RT: 9.84 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

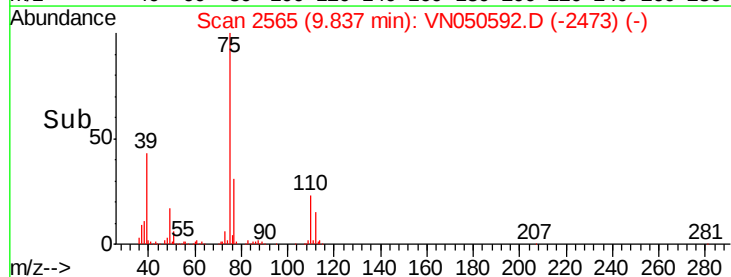
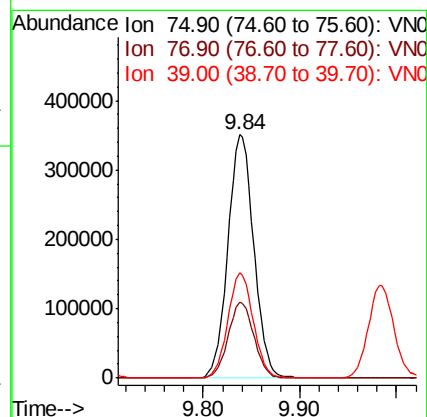
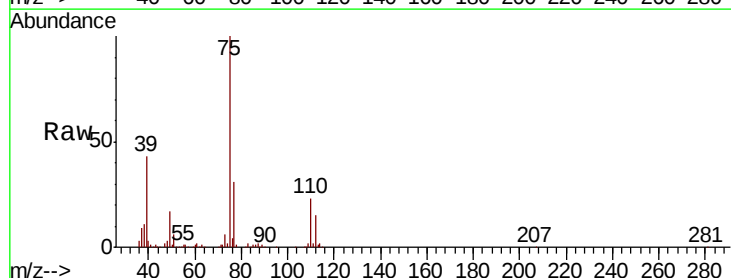
Tgt Ion: 75 Resp: 652377

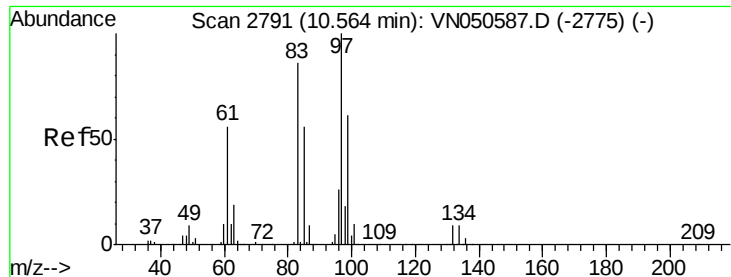
Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

39 43.3 34.4 51.6





#55

1,1,2-Trichloroethane

Concen: 48.31 ug/l

RT: 10.56 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 361768

Ion Ratio Lower Upper

97 100

83 88.1 68.5 102.7

85 55.9 44.6 66.8

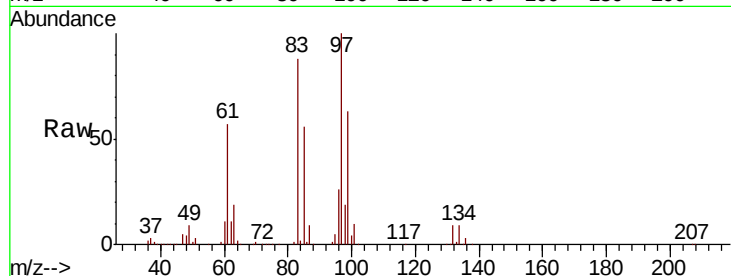
99 63.2 49.1 73.7

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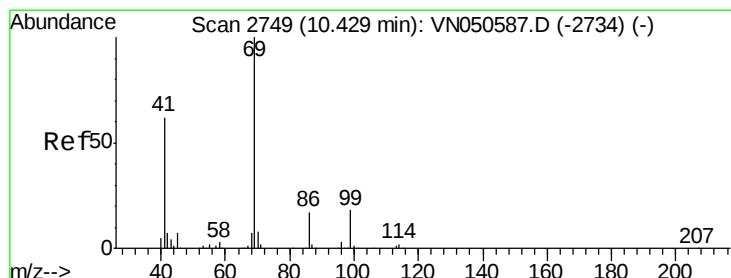
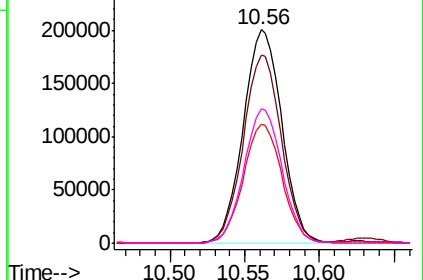
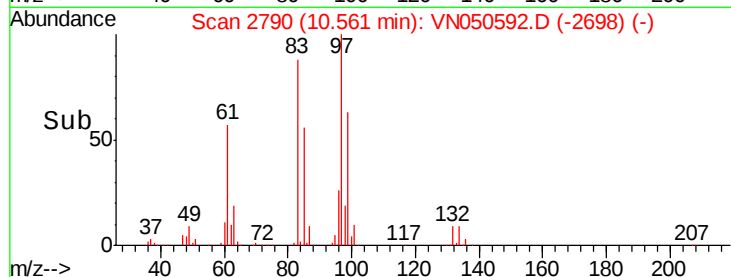


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 47.89 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

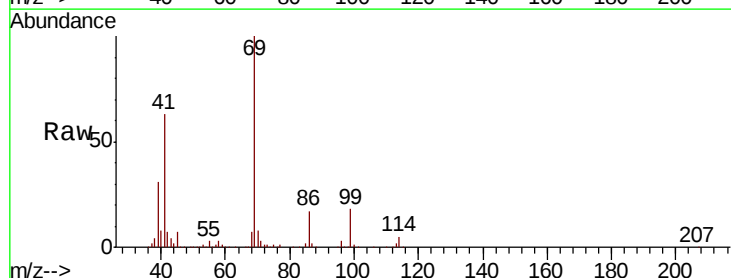
Tgt Ion: 69 Resp: 456717

Ion Ratio Lower Upper

69 100

41 62.3 49.7 74.5

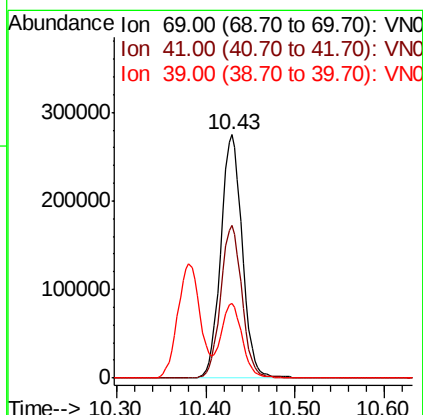
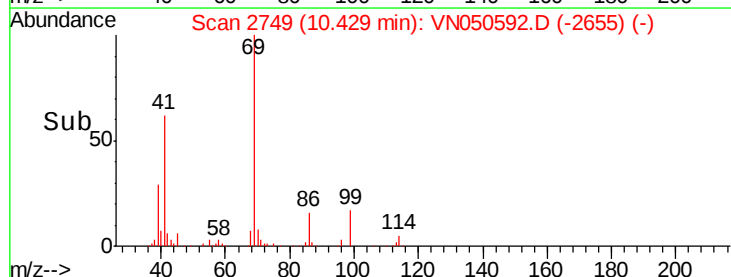
39 30.4 24.2 36.2

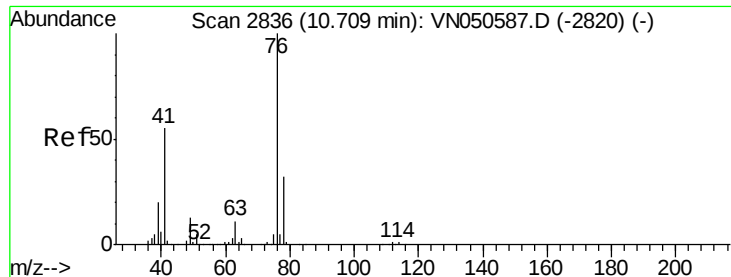


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 49.67 ug/l

RT: 10.71 min Scan# 2835

Delta R.T. -0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 609877

Ion Ratio Lower Upper

76 100

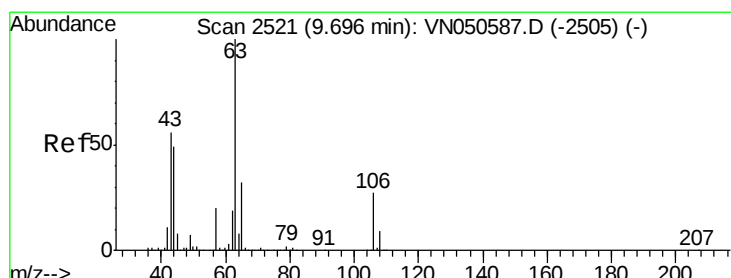
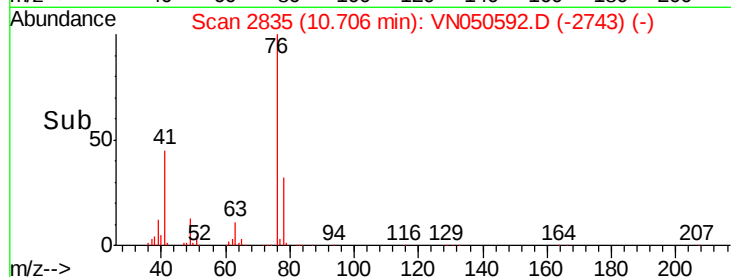
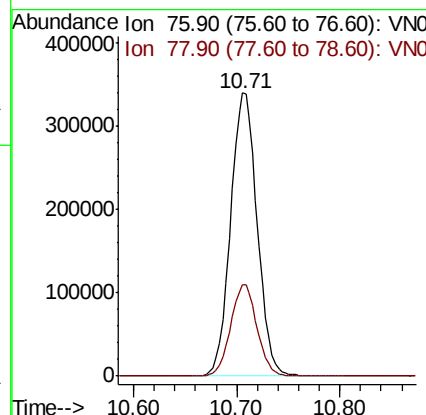
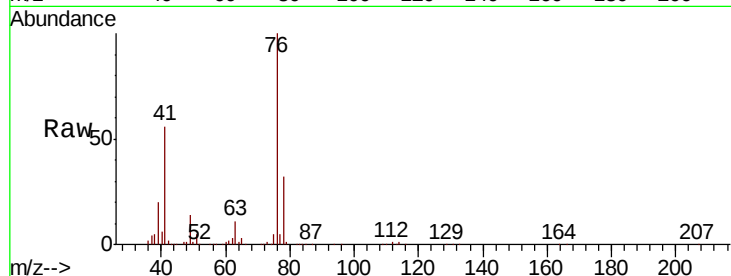
78 32.2 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 240.89 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050592.D

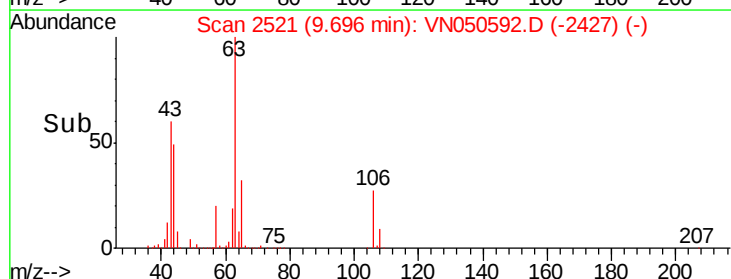
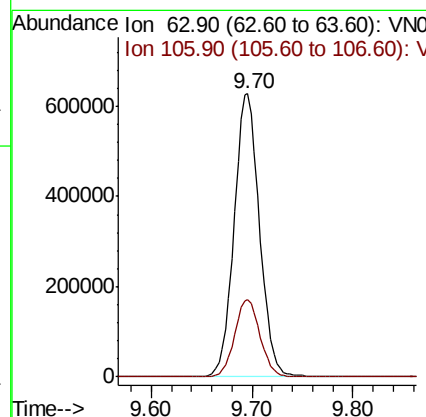
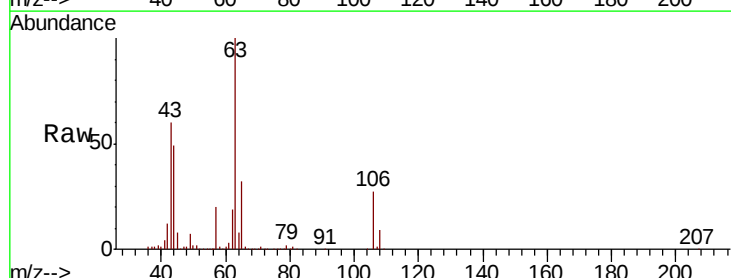
Acq: 14 Aug 2018 10:45

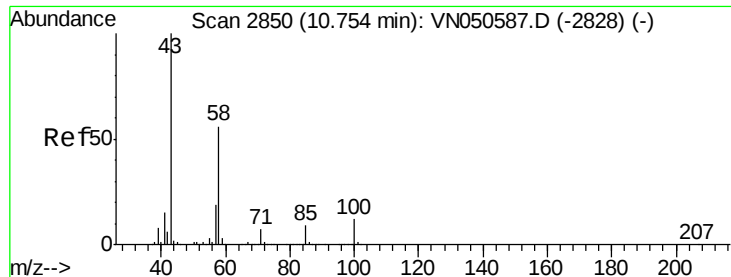
Tgt Ion: 63 Resp: 1100544

Ion Ratio Lower Upper

63 100

106 27.4 21.7 32.5





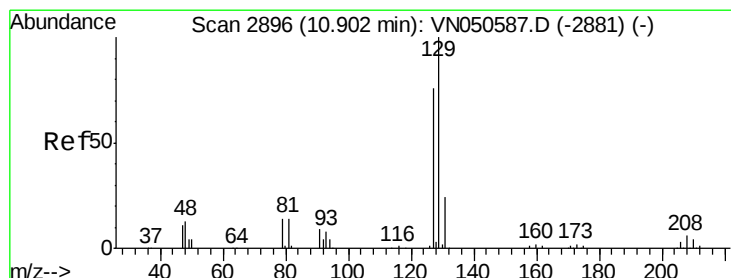
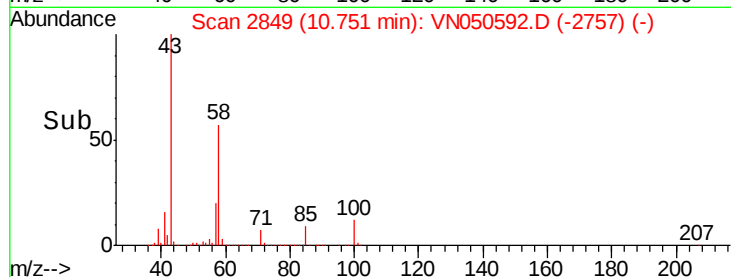
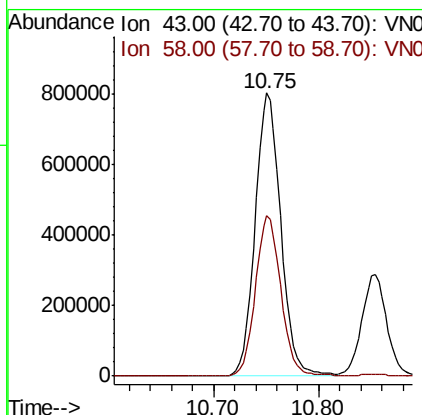
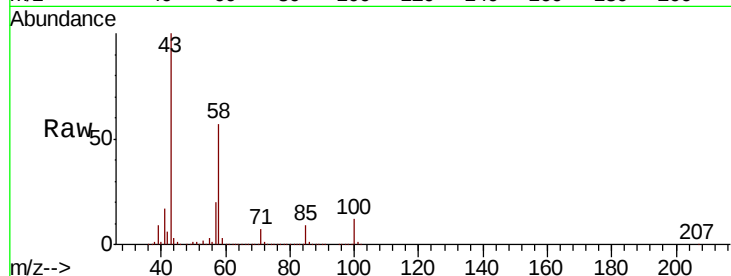
#59
2-Hexanone
Concen: 274.55 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1362504
Ion Ratio Lower Upper
43 100
58 56.4 28.0 84.0

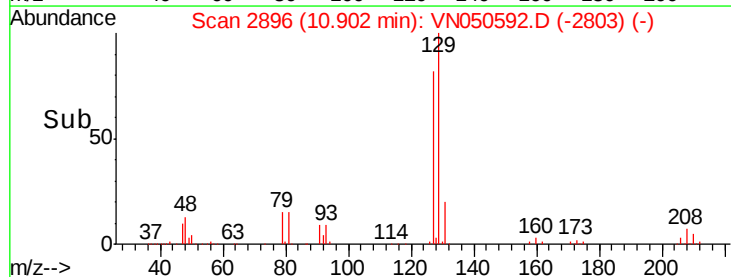
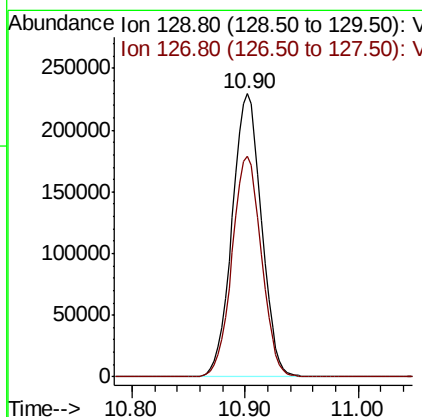
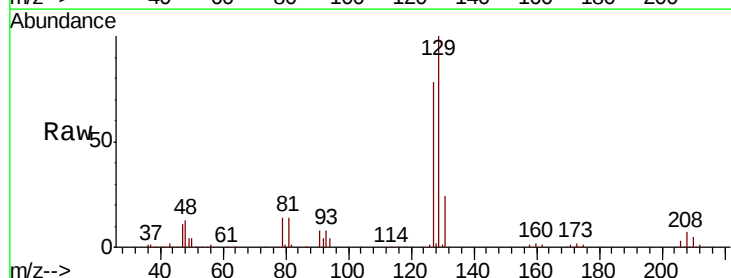
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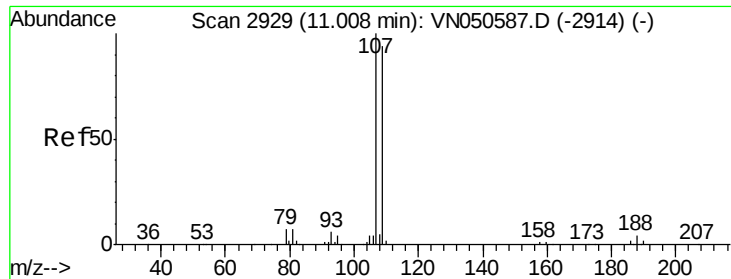
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#60
Dibromochloromethane
Concen: 50.21 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Tgt Ion: 129 Resp: 415043
Ion Ratio Lower Upper
129 100
127 78.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 50.03 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 356807

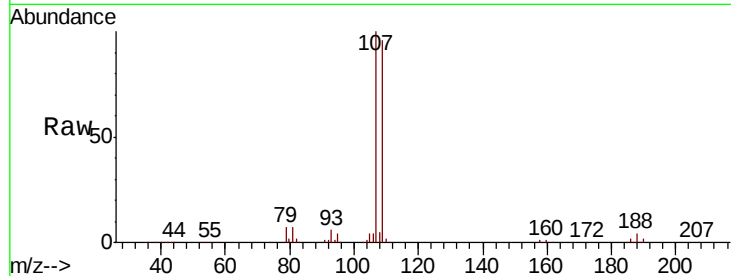
Ion Ratio Lower Upper

107 100

109 95.0 75.7 113.5

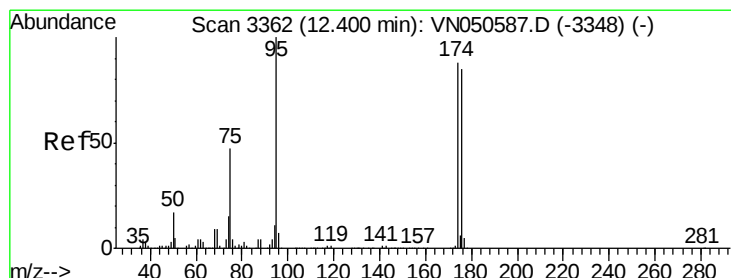
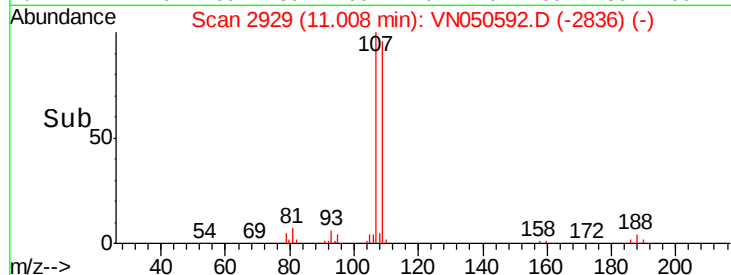
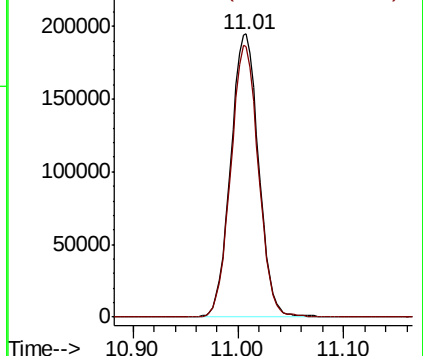
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.75 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

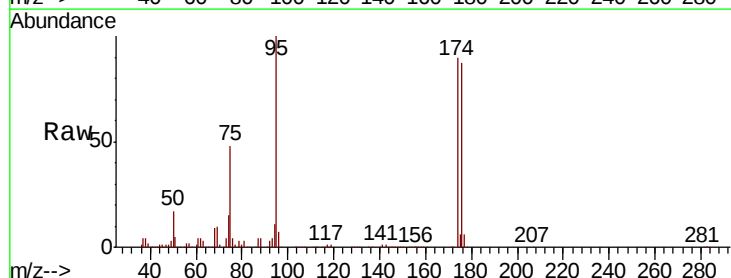
Tgt Ion: 95 Resp: 519173

Ion Ratio Lower Upper

95 100

174 90.7 0.0 177.8

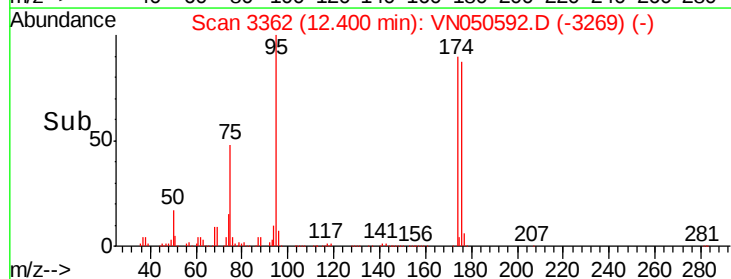
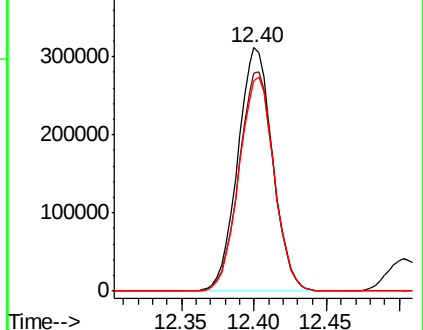
176 88.6 0.0 175.0

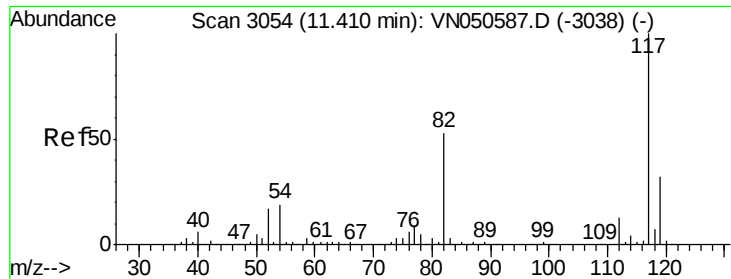


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





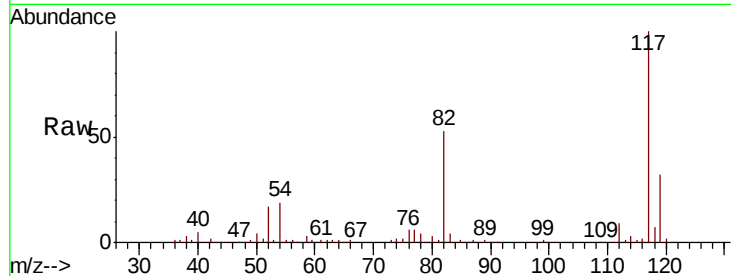
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.4	63.6
119	32.2	25.8	38.8

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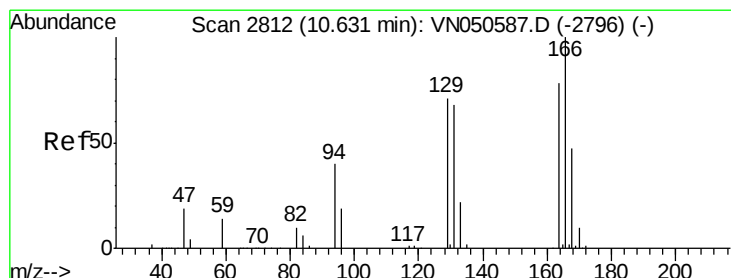
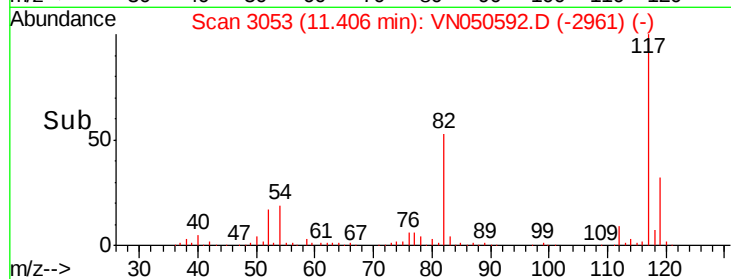
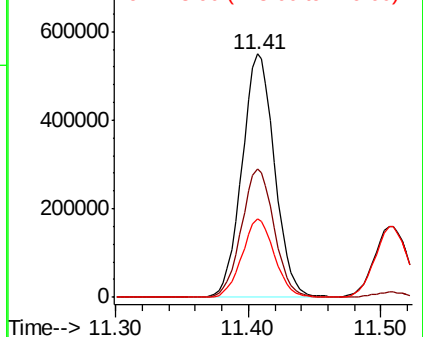


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 46.90 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.1	153.1
129	91.0	72.7	109.1
131	88.2	69.9	104.9

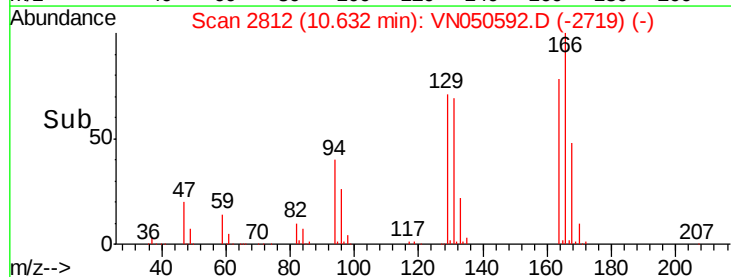
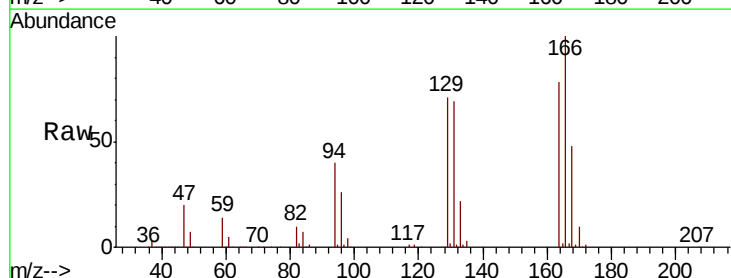
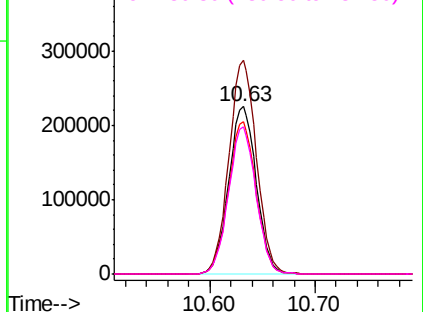
Abundance

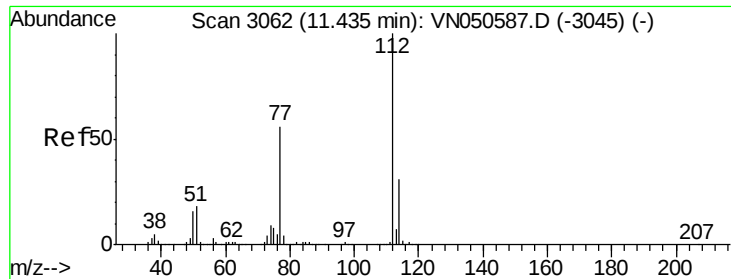
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





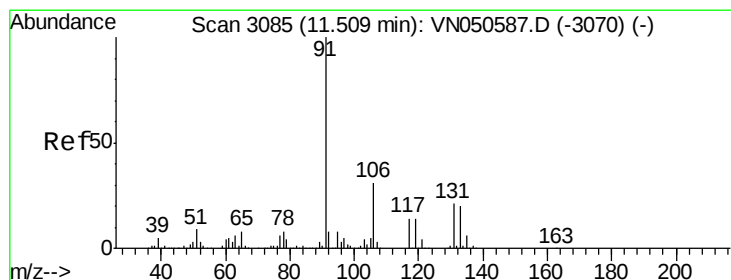
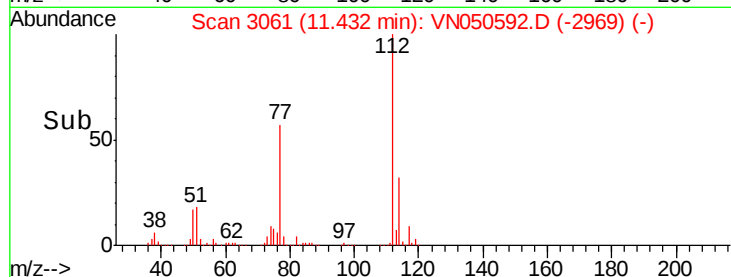
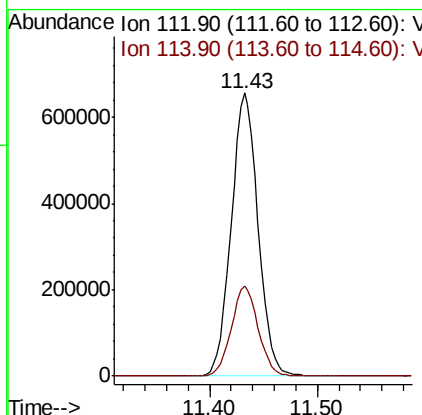
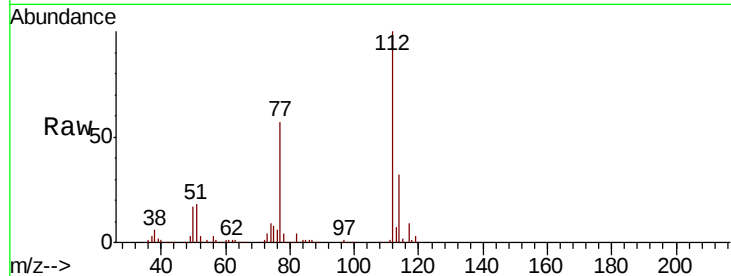
#65
Chlorobenzene
Concen: 48.69 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1134753
Ion Ratio Lower Upper
112 100
114 31.8 25.2 37.8

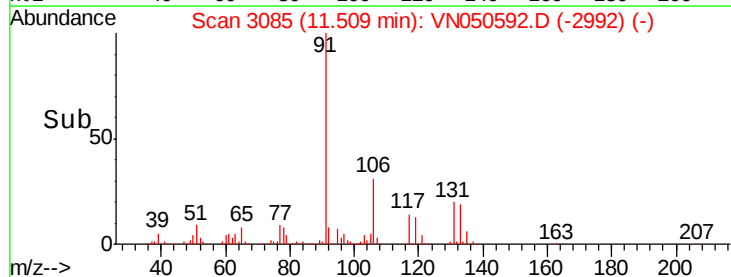
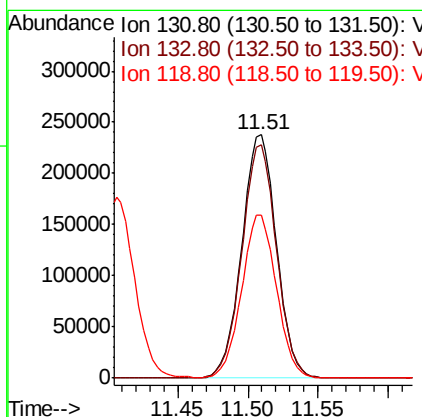
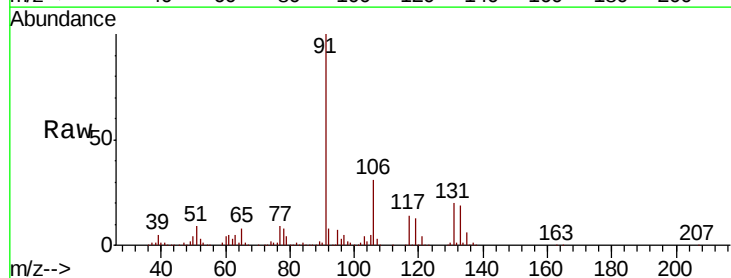
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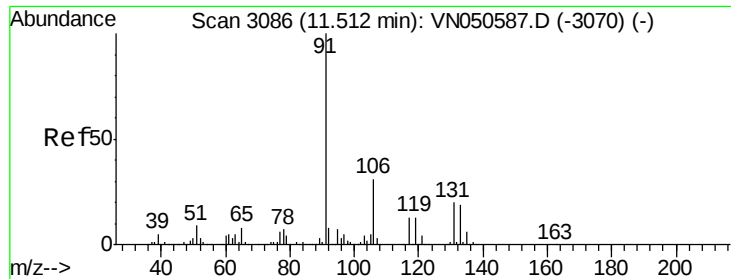
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.92 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Tgt Ion:131 Resp: 409900
Ion Ratio Lower Upper
131 100
133 96.0 47.6 142.9
119 67.3 33.1 99.3





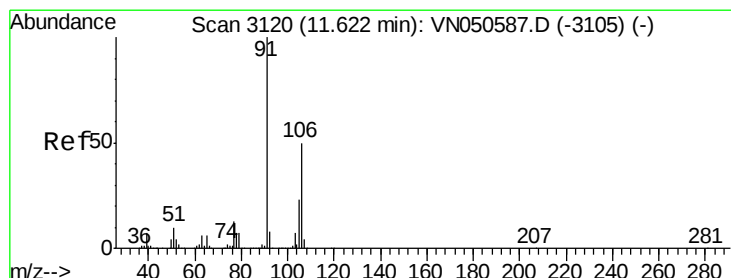
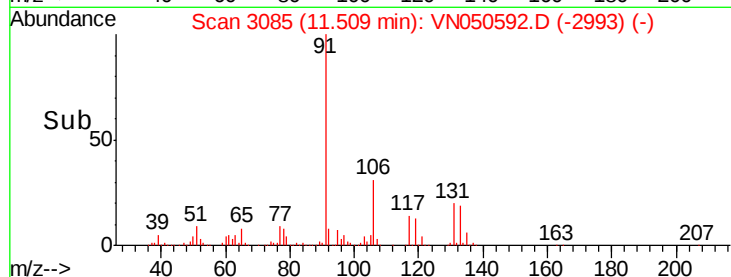
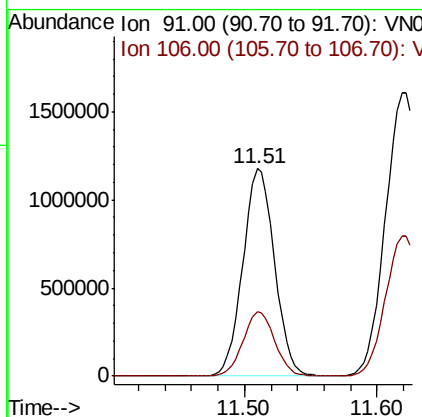
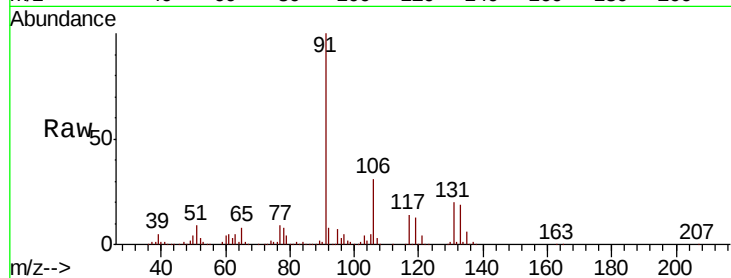
#67
Ethyl Benzene
Concen: 51.99 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1956551
Ion Ratio Lower Upper
91 100
106 31.1 24.8 37.2

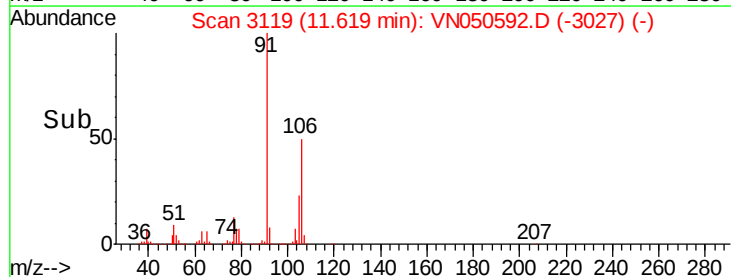
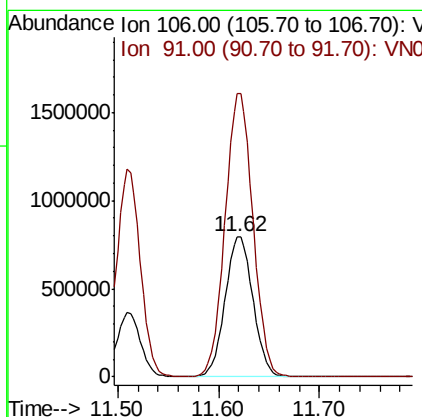
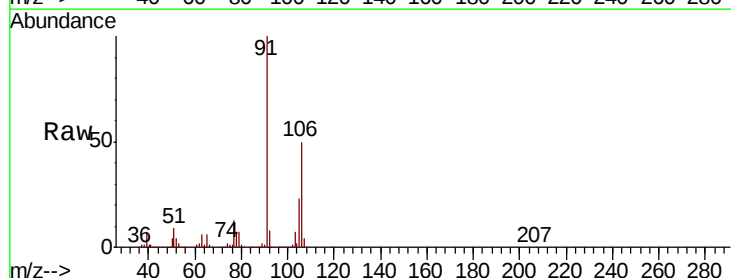
Manual Integrations
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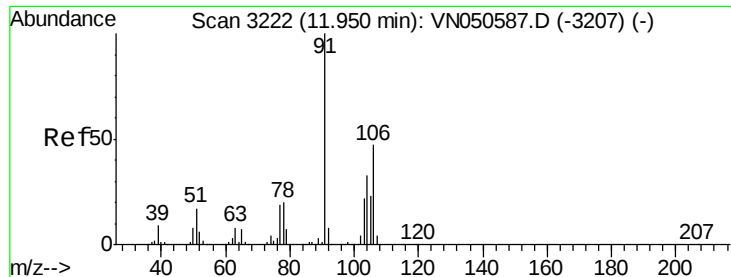
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#68
m/p-Xylenes
Concen: 106.30 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Tgt Ion: 106 Resp: 1529897
Ion Ratio Lower Upper
106 100
91 202.5 161.5 242.3





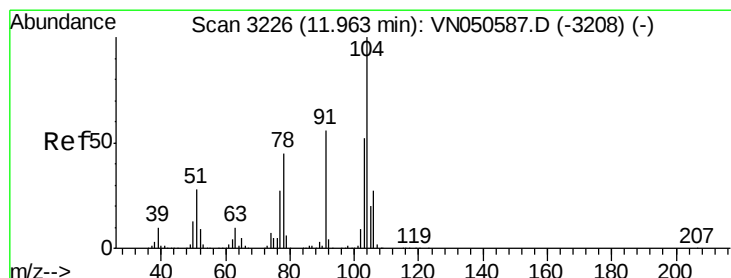
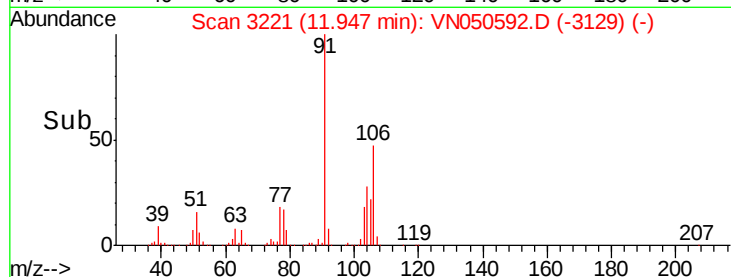
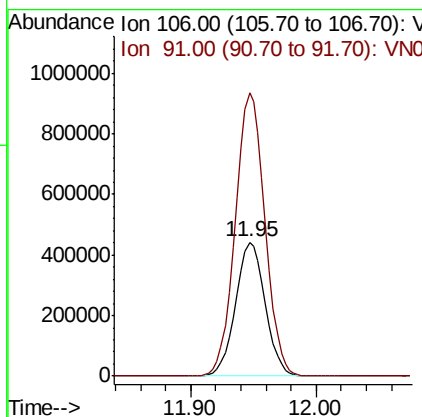
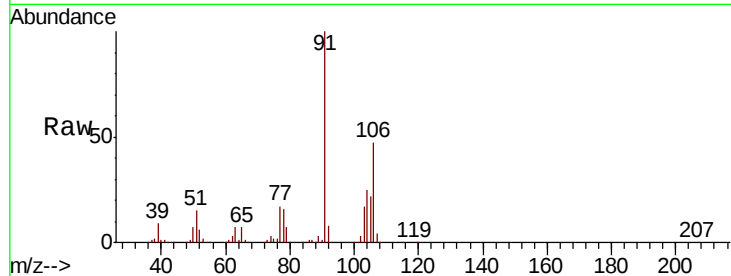
#69
o-Xylene
Concen: 52.57 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
721405	106			
	106	100		
	91	212.5	106.8	320.4

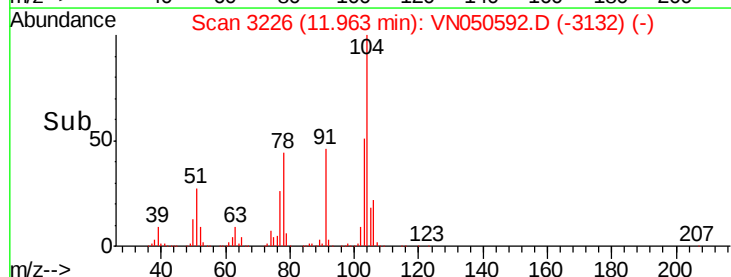
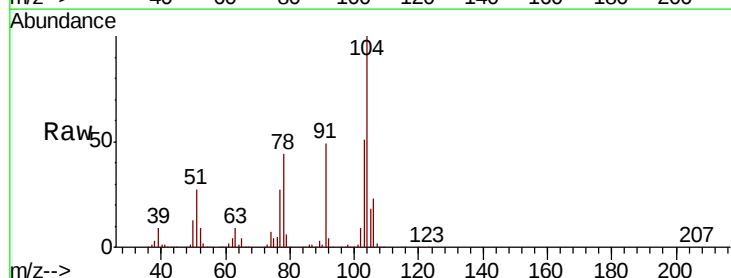
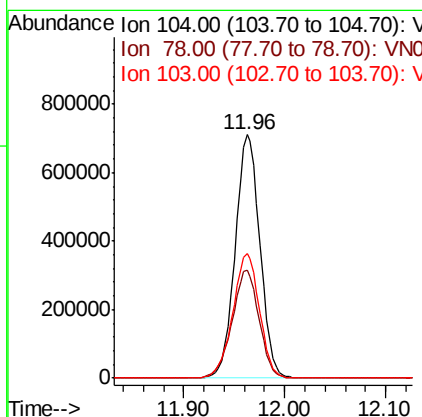
Manual Integrations
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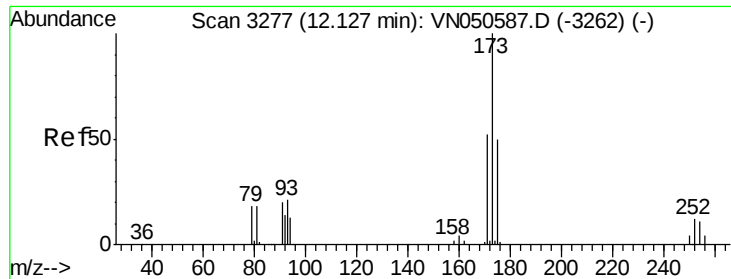
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#70
Styrene
Concen: 49.47 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Tgt Ion	Ion	Ratio	Lower	Upper
1207034	104	100		
	78	48.5	39.1	58.7
	103	55.0	44.9	67.3





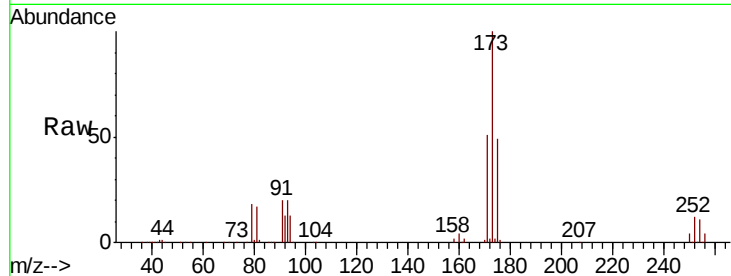
#71
Bromoform
Concen: 49.88 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.2
254	0.1	0.0	0.0#

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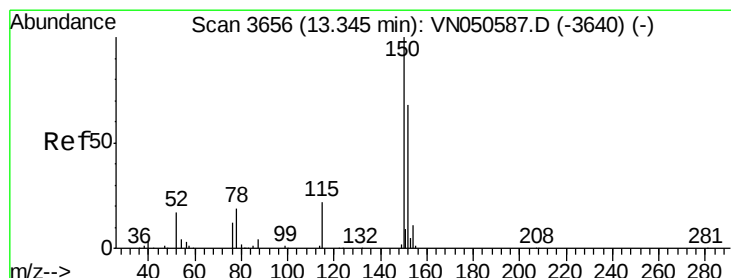
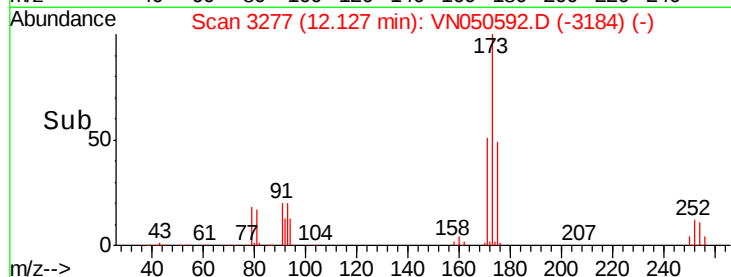
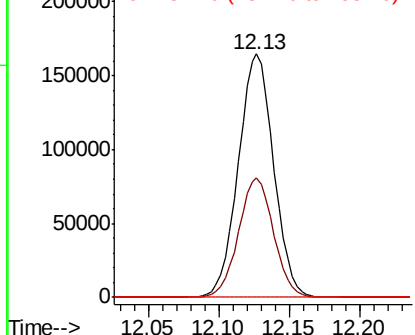


Abundance

Ion 172.70 (172.40 to 173.40): V

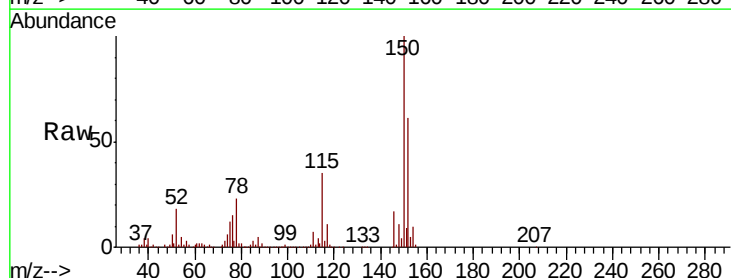
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3655
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.1	84.2
150	177.9	0.0	347.8

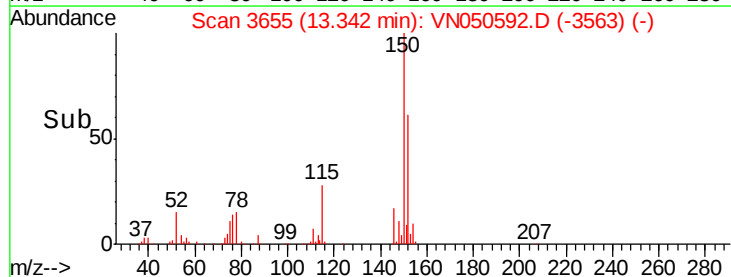
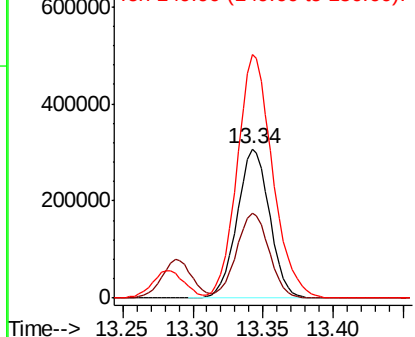


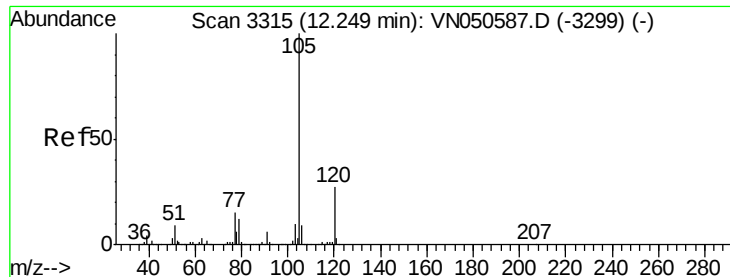
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.92 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1932179

Ion Ratio Lower Upper

105 100

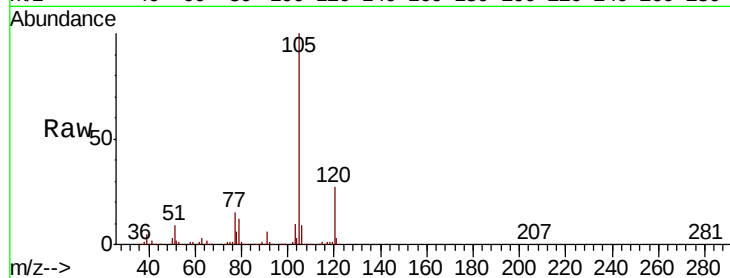
120 27.0 13.4 40.1

Manual Integrations

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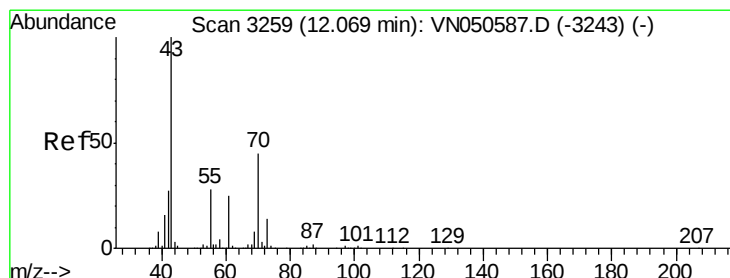
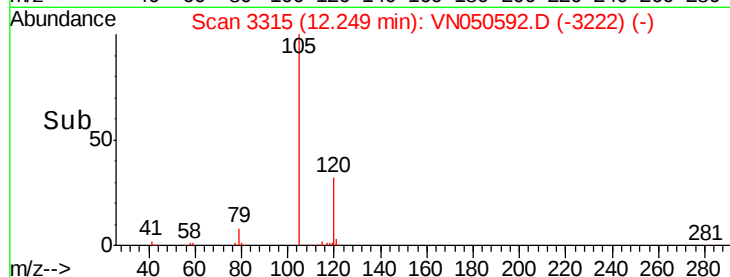
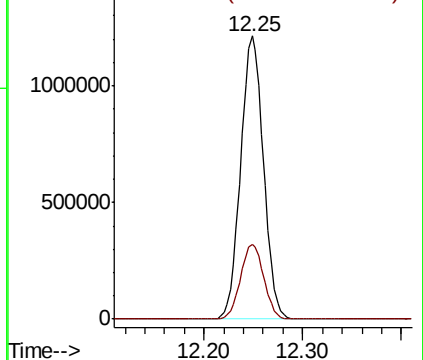
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.33 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Tgt Ion: 43 Resp: 496745

Ion Ratio Lower Upper

43 100

70 44.8 35.9 53.9

55 27.1 22.2 33.4

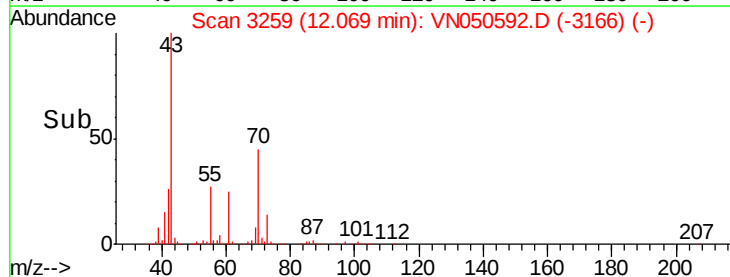
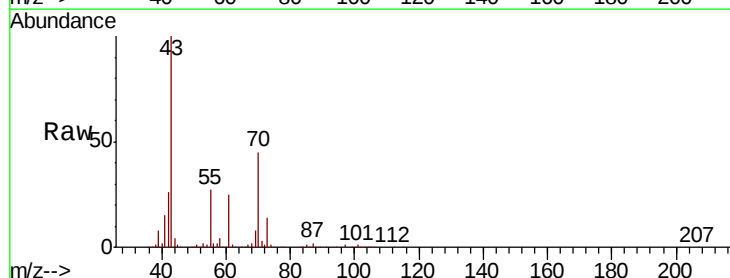
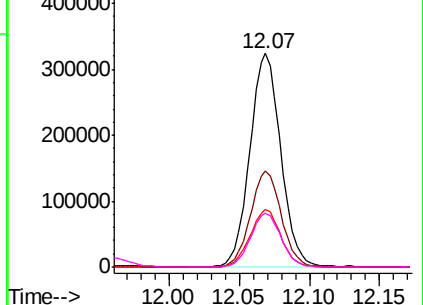
61 25.1 20.0 30.0

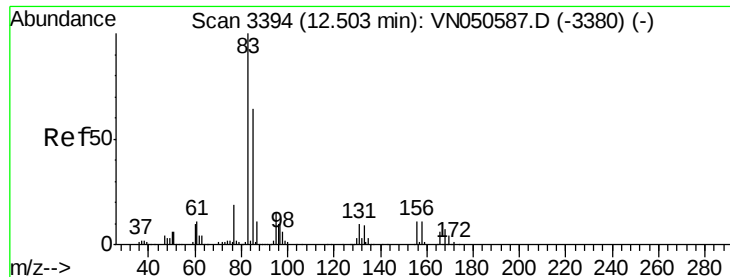
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.31 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

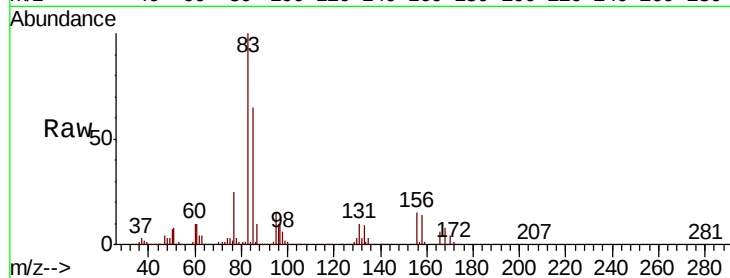
ClientSampleId :

VSTDCCC050

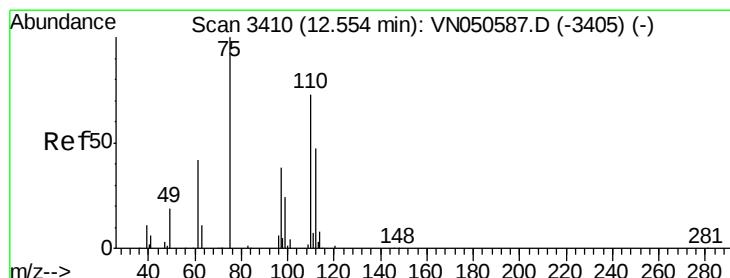
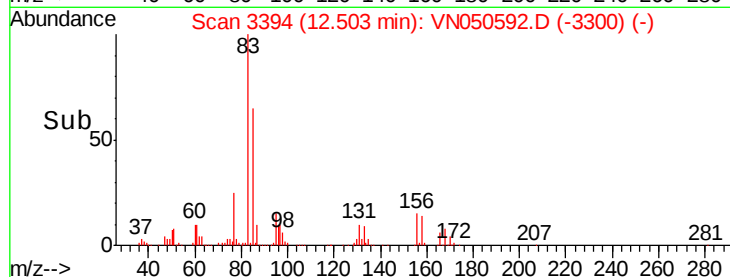
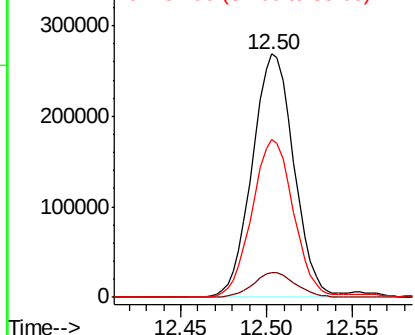
Tot Ion:	83	Resp:	451948
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.9
85	64.5	32.1	96.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 45.25 ug/l m

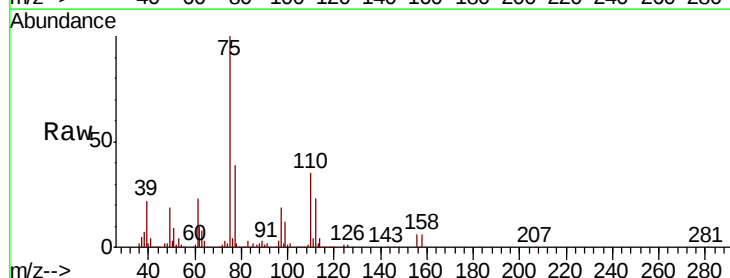
RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

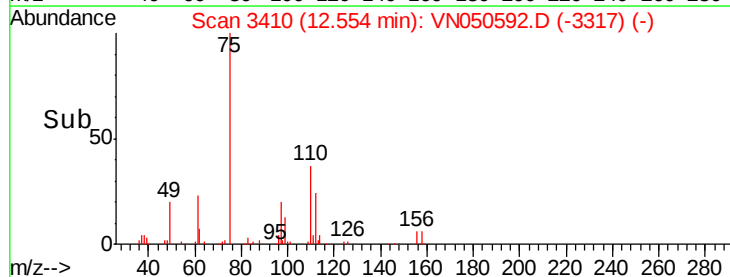
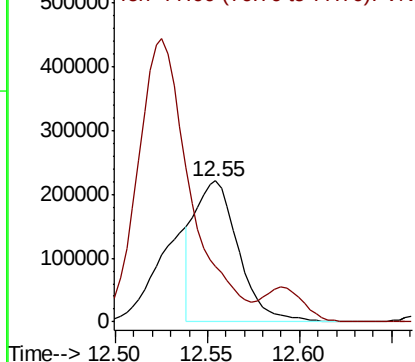
Lab File: VN050592.D

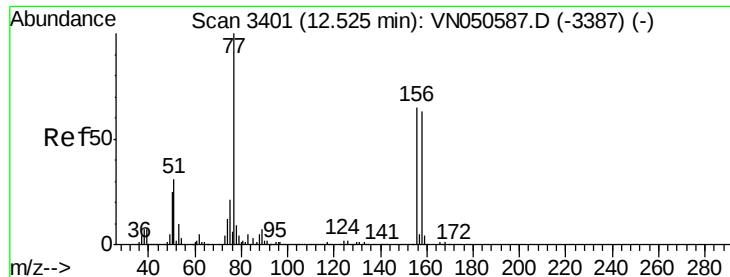
Acq: 14 Aug 2018 10:45

Tgt Ion:	75	Resp:	363015
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 46.71 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

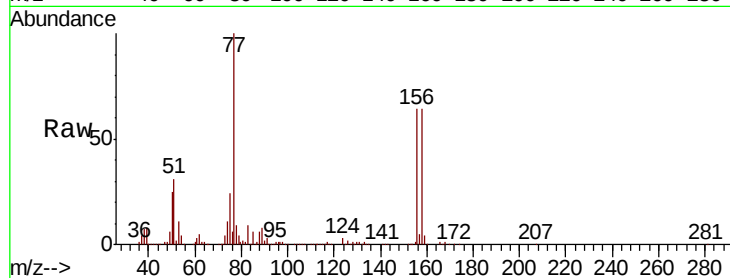
ClientSampleId :

VSTDCCC050

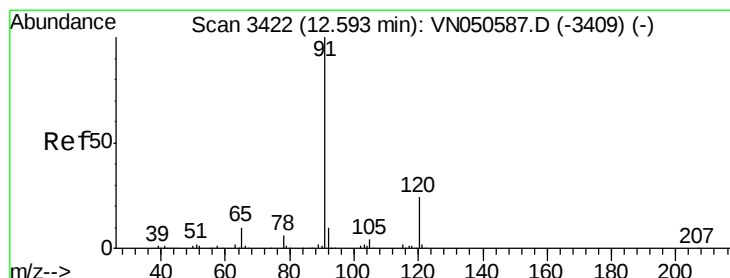
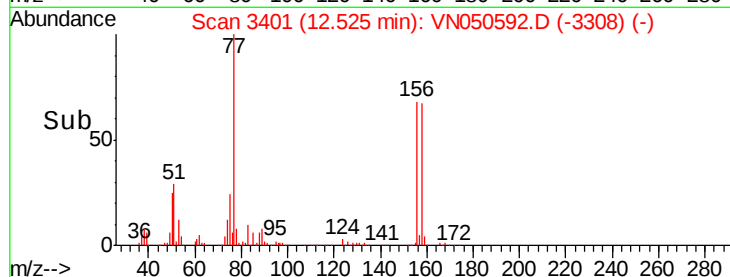
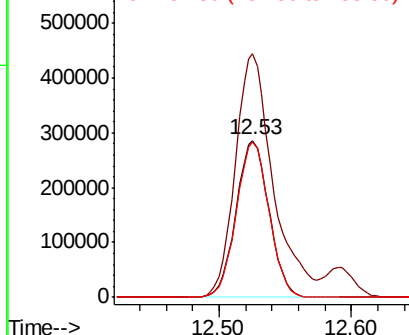
Tot Ion:	156	Resp:	490862
Ion Ratio	Lower	Upper	
156	100		
77	179.4	89.0	267.1
158	98.8	48.5	145.6

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.15 ug/l

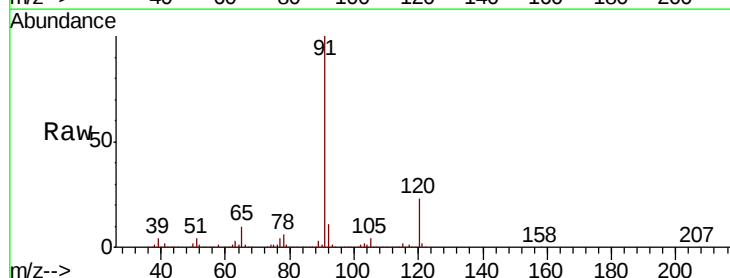
RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

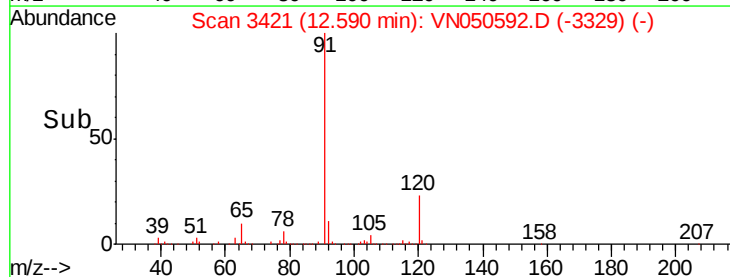
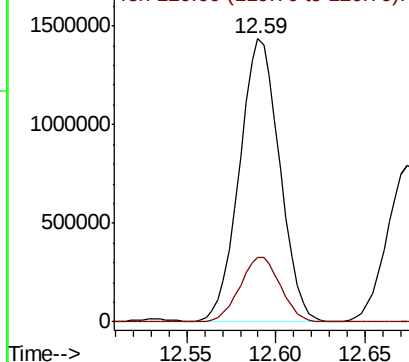
Lab File: VN050592.D

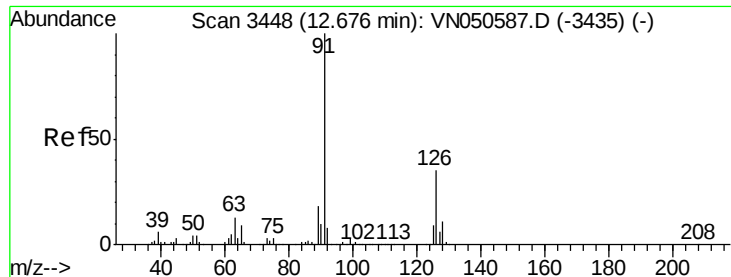
Acq: 14 Aug 2018 10:45

Tgt Ion:	91	Resp:	2250756
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.16 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1322775

Ion Ratio Lower Upper

91 100

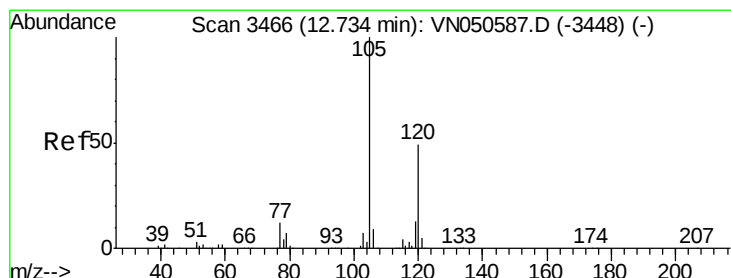
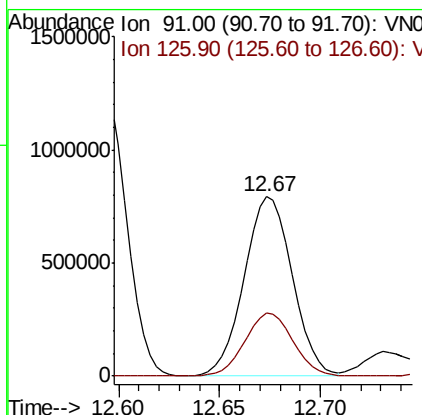
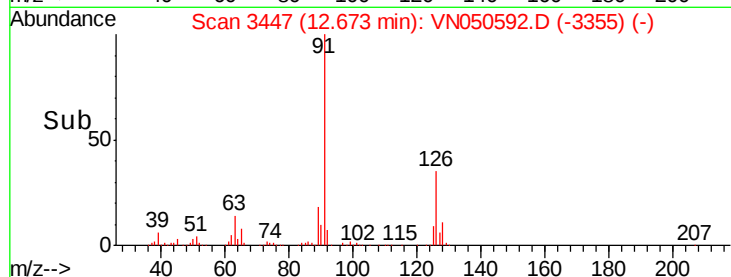
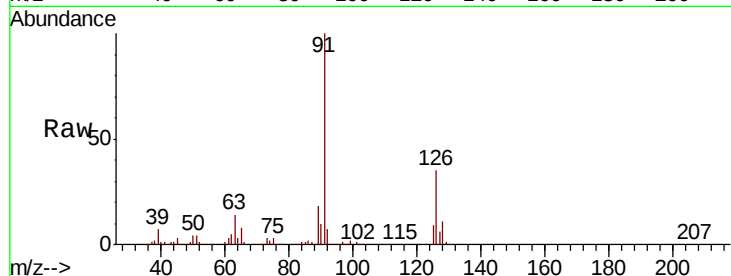
126 35.2 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.09 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050592.D

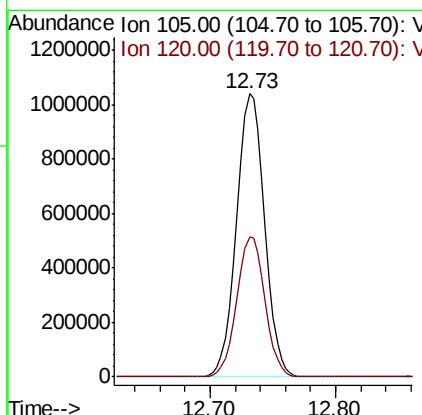
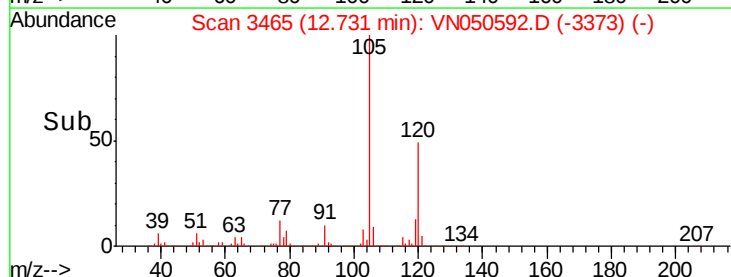
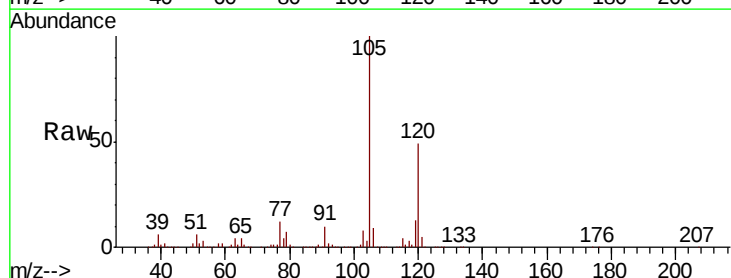
Acq: 14 Aug 2018 10:45

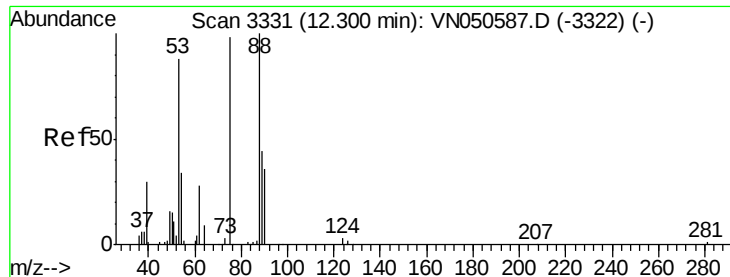
Tgt Ion: 105 Resp: 1614356

Ion Ratio Lower Upper

105 100

120 49.5 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 54.50 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

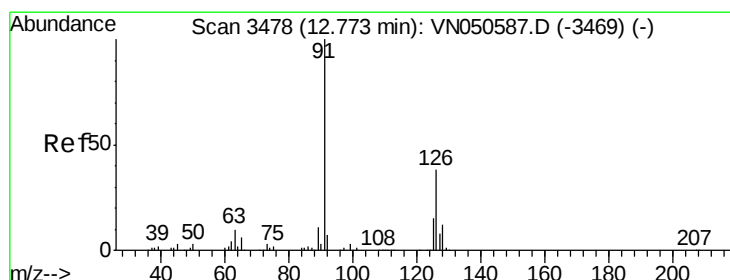
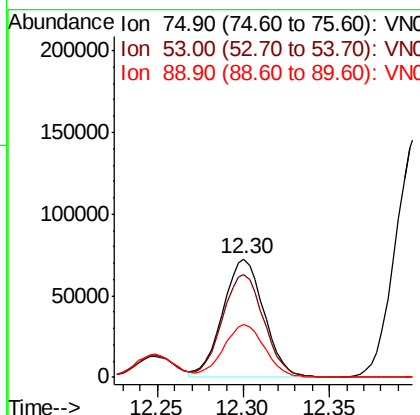
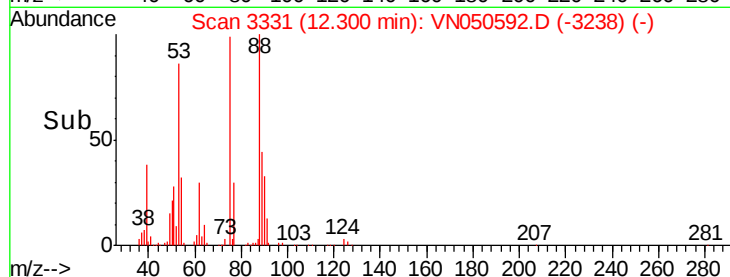
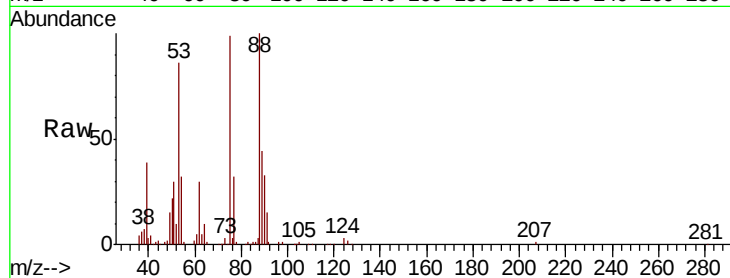
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	121446
Ion	Ratio	Lower	Upper
75	100		
53	88.4	72.2	108.2
89	44.9	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.02 ug/l

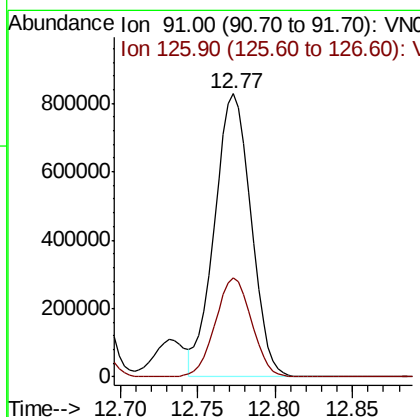
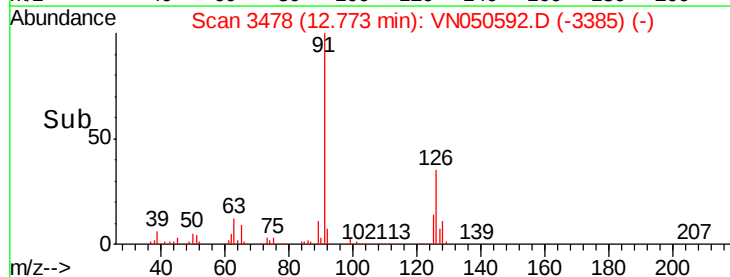
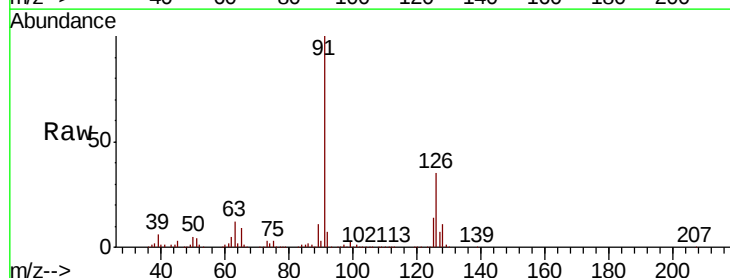
RT: 12.77 min Scan# 3478

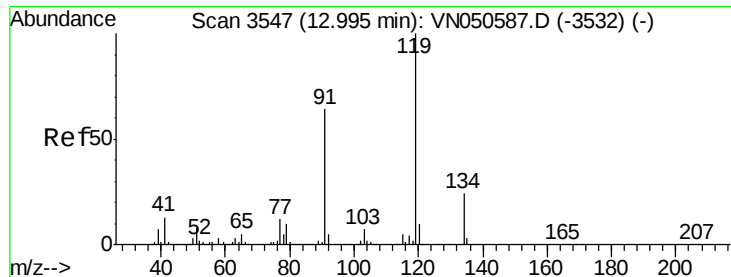
Delta R.T. 0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Tgt Ion:	91	Resp:	1356852
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	52.0





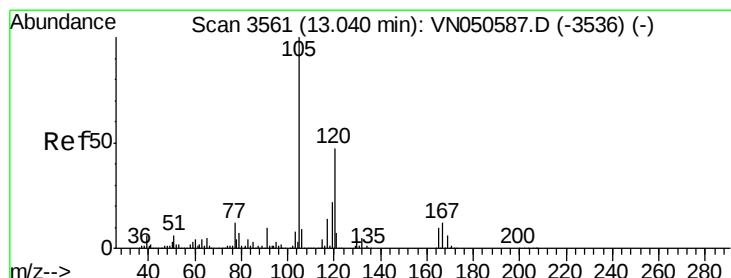
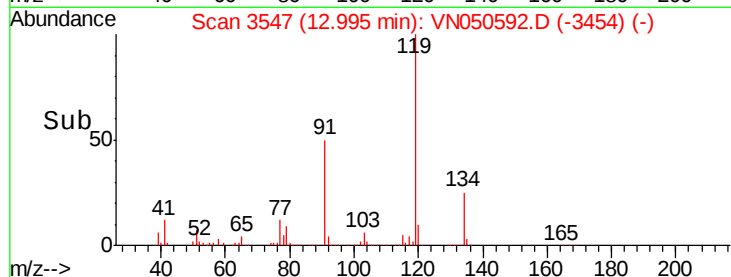
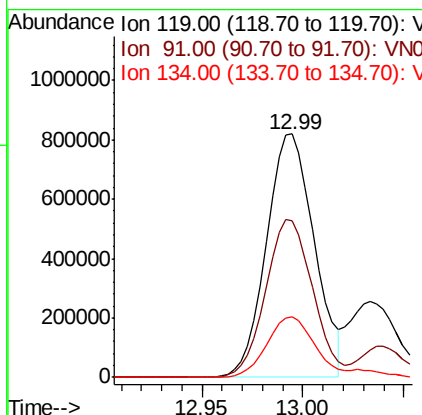
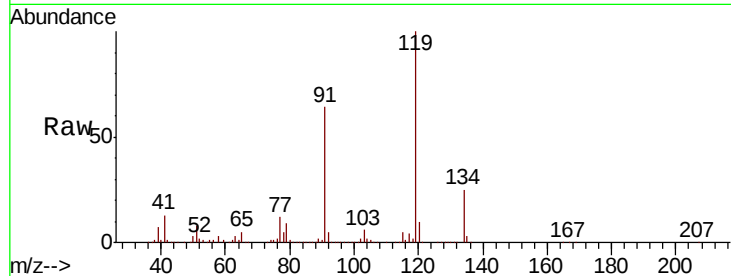
#83
 tert-Butylbenzene
 Concen: 50.24 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	32.2	96.6
134	24.9	13.4	40.2

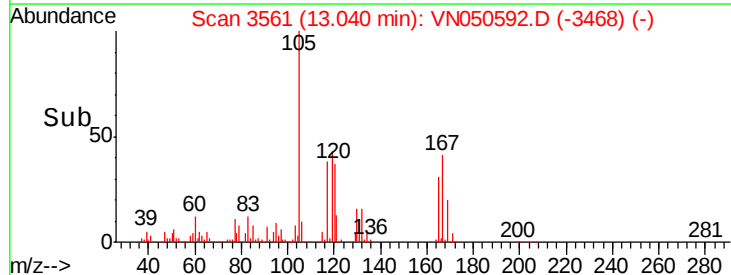
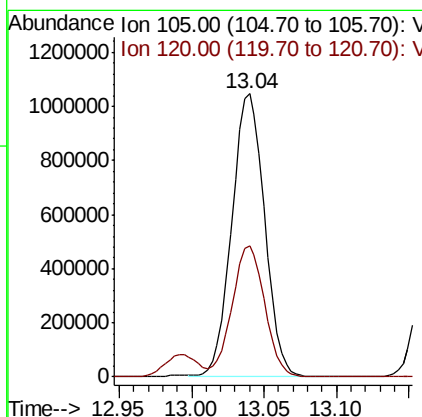
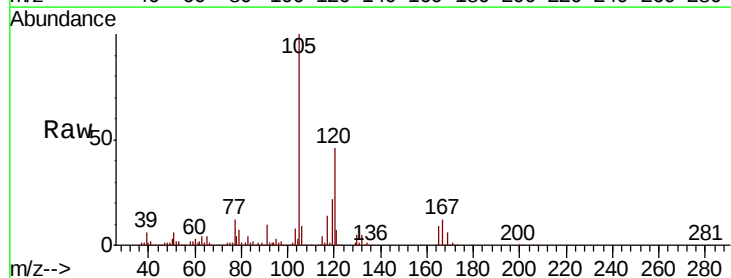
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.79 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.2	69.5





#85

sec-Butylbenzene

Concen: 52.29 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1838135

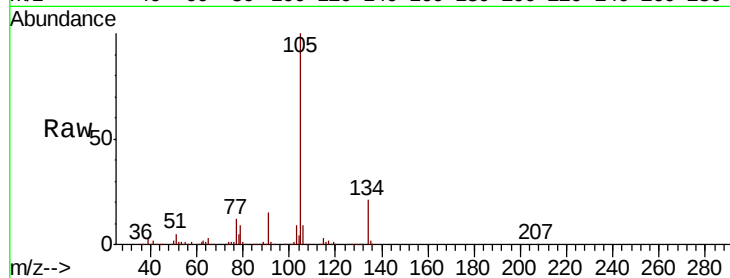
Ion Ratio Lower Upper

105 100

134 20.5 10.1 30.3

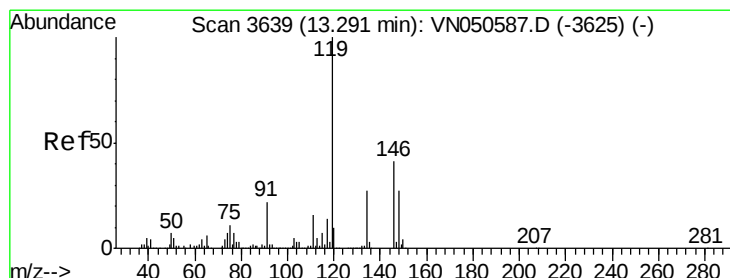
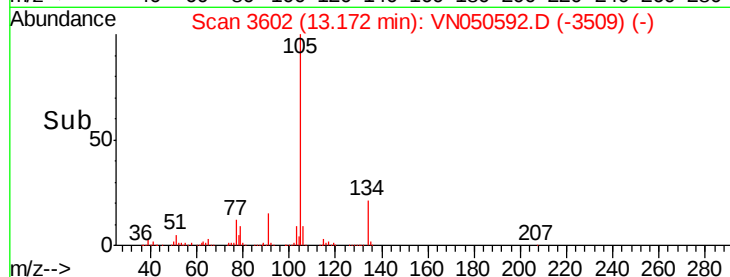
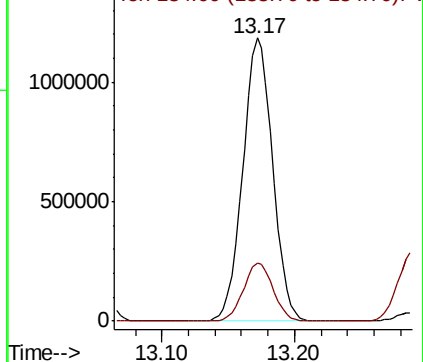
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.59 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. -0.00 min

Lab File: VN050592.D

Acq: 14 Aug 2018 10:45

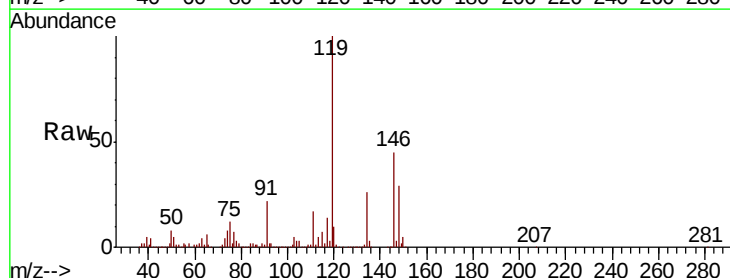
Tgt Ion:119 Resp: 1626305

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

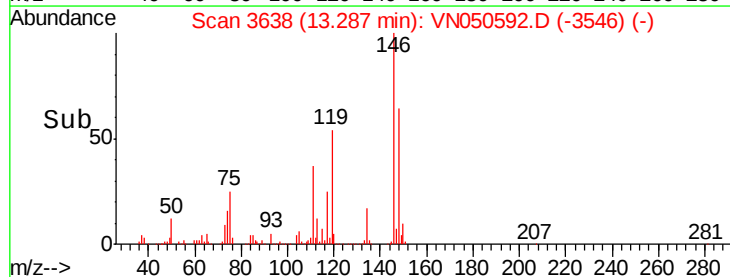
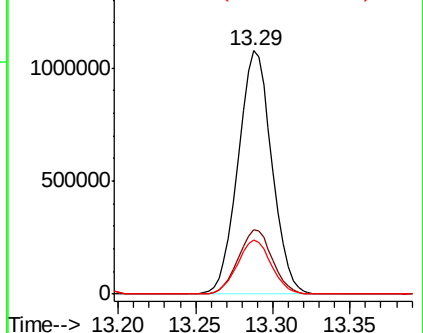
91 22.4 11.2 33.6

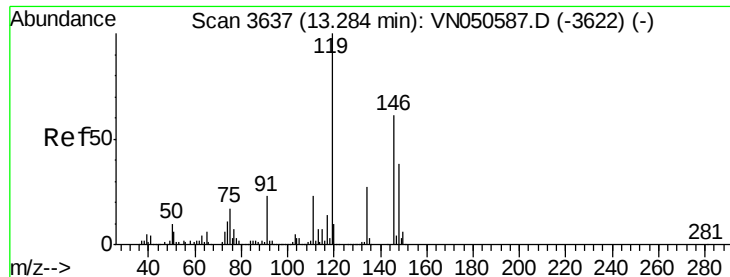


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





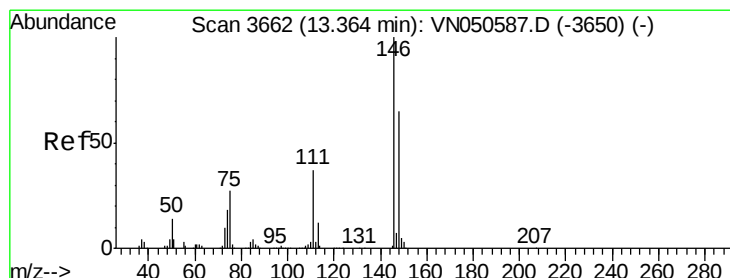
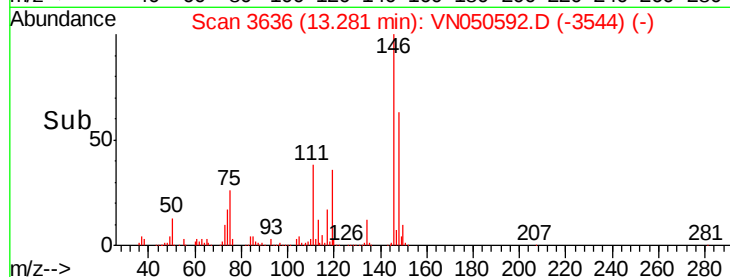
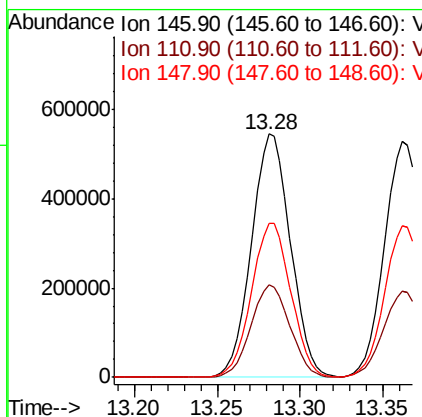
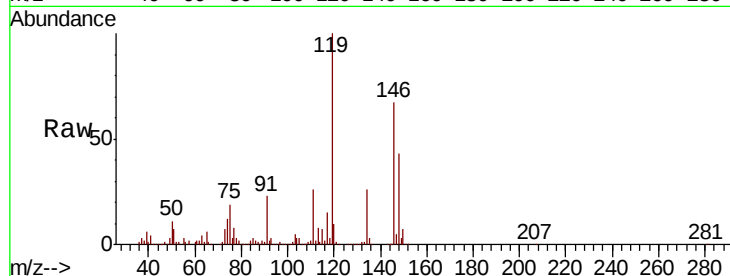
#87
 1,3-Dichlorobenzene
 Concen: 49.69 ug/l
 RT: 13.28 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.2	57.6
148	64.0	31.9	95.7

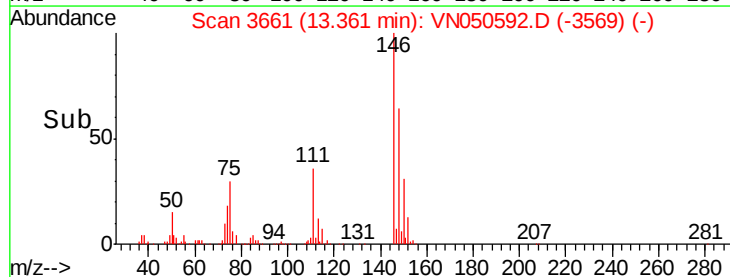
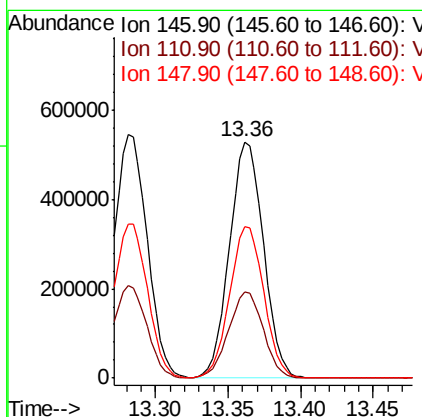
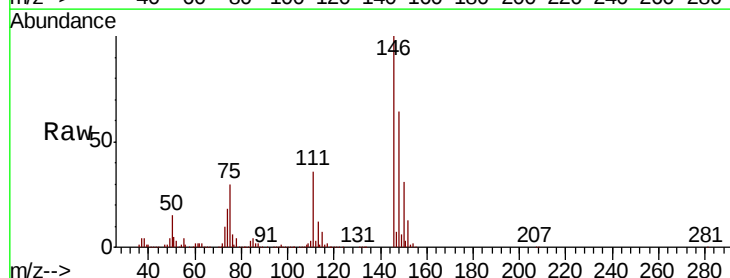
Manual Integrations
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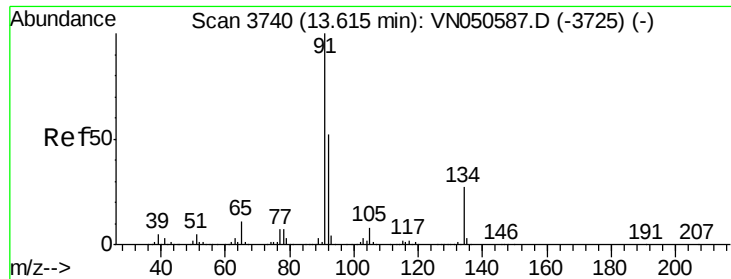
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#88
 1,4-Dichlorobenzene
 Concen: 48.57 ug/l
 RT: 13.36 min Scan# 3661
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.4
148	64.4	32.3	96.8





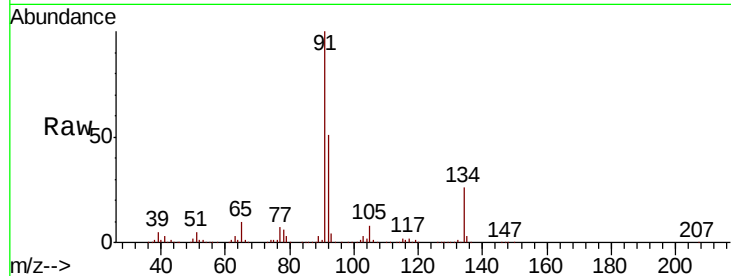
#89
n-Butylbenzene
Concen: 55.81 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.3	78.8
134	26.4	13.3	39.9

Manual Integrations
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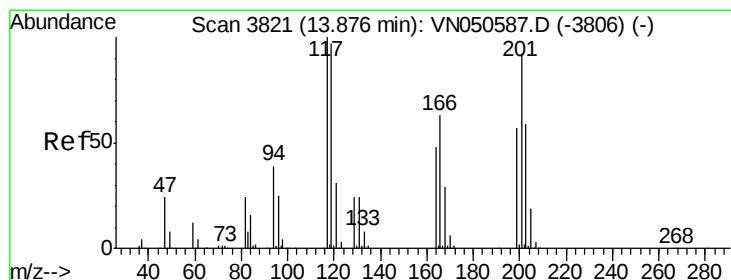
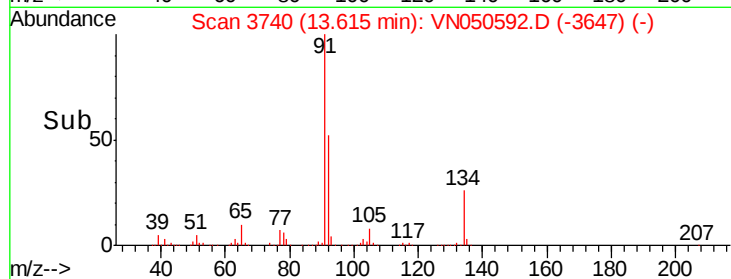
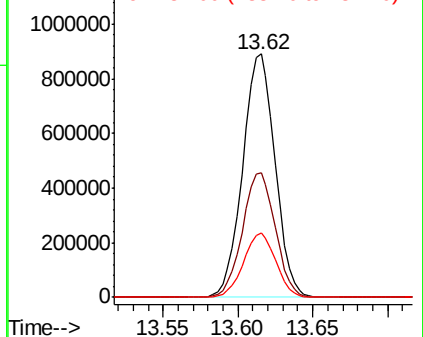


Abundance

Ion 91.00 (90.70 to 91.70): VN050587.D (-3725) (-)

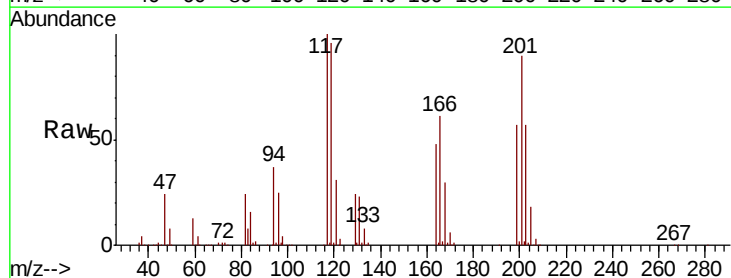
Ion 92.00 (91.70 to 92.70): VN050587.D (-3725) (-)

Ion 134.00 (133.70 to 134.70): VN050587.D (-3725) (-)



#90
Hexachloroethane
Concen: 47.26 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

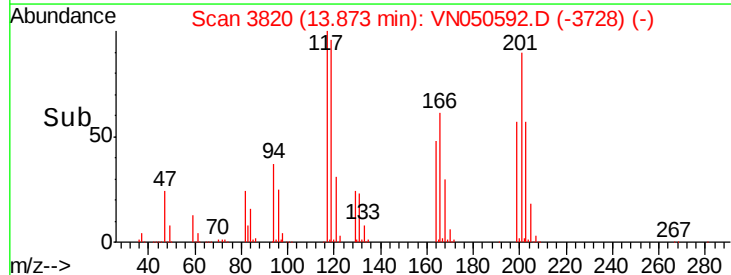
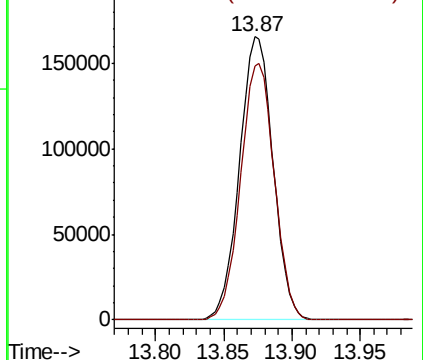
Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.7	45.5	136.5

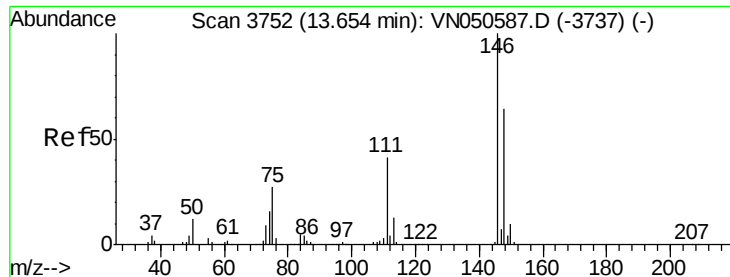


Abundance

Ion 116.80 (116.50 to 117.50): VN050587.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN050587.D (-3806) (-)





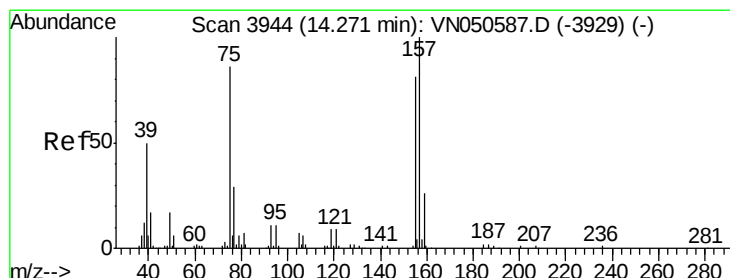
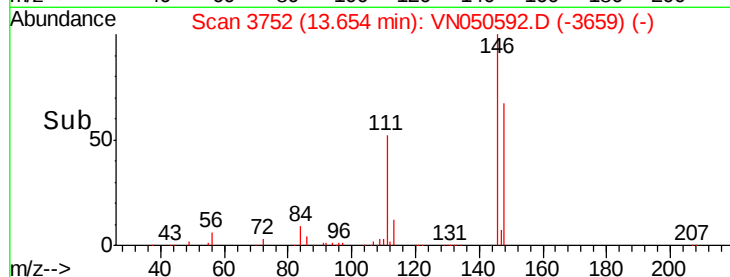
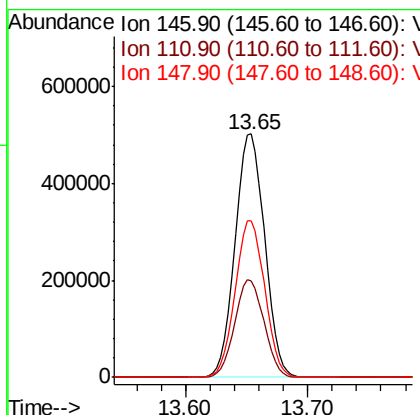
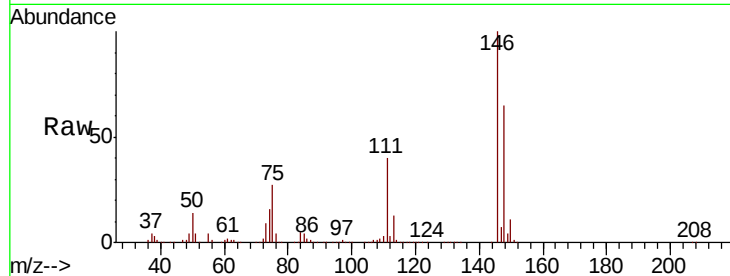
#91
 1,2-Dichlorobenzene
 Concen: 48.29 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	64.1	32.3	96.8

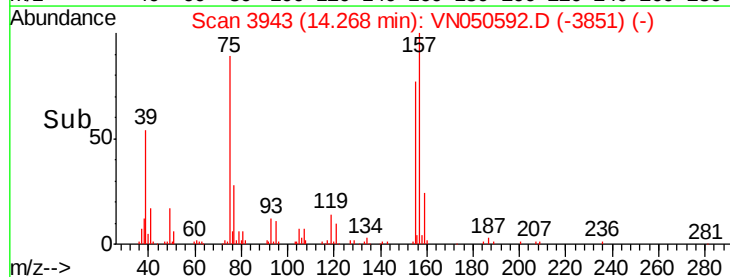
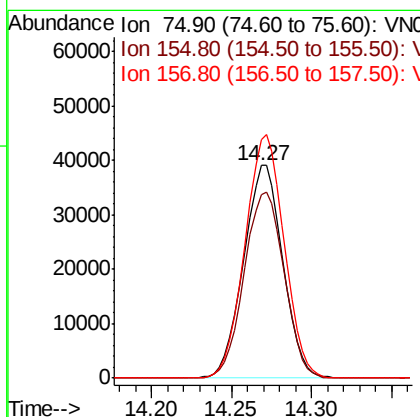
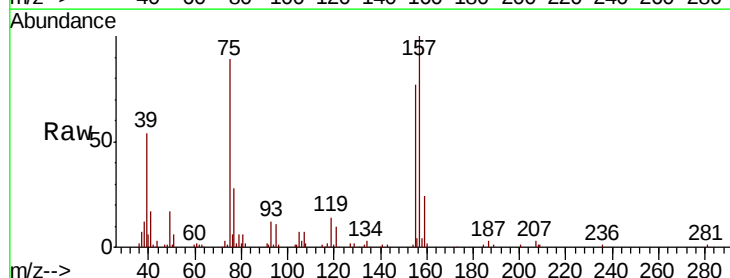
Manual Integrations
 APPROVED

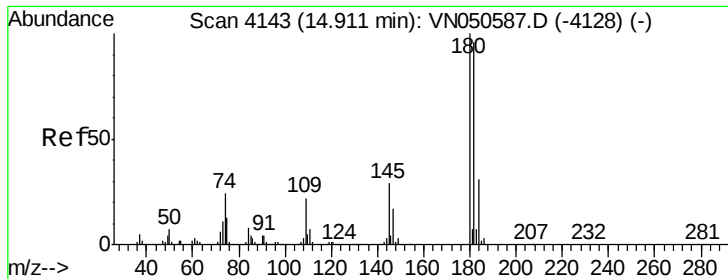
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 8/15/2018 3:31:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.38 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	46.6	139.8
157	114.0	58.1	174.2





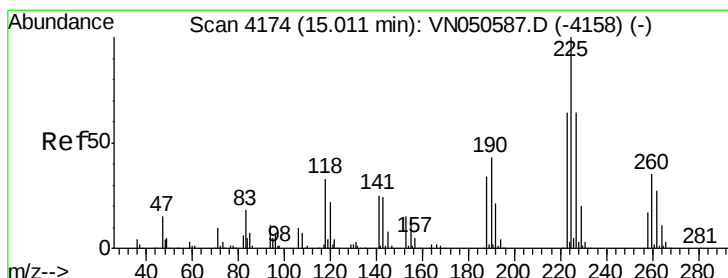
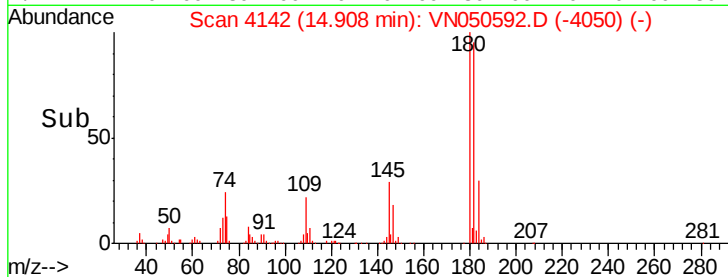
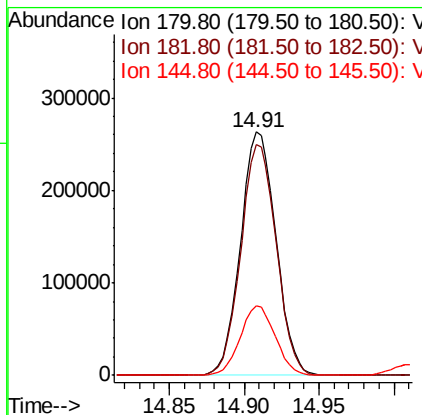
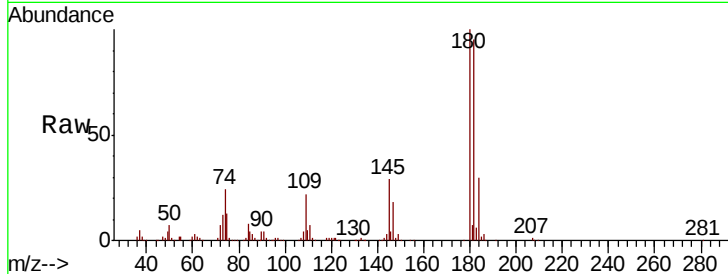
#93
 1,2,4-Trichlorobenzene
 Concen: 48.52 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	433853		
182	94.9	47.9	143.7	
145	28.2	14.4	43.4	

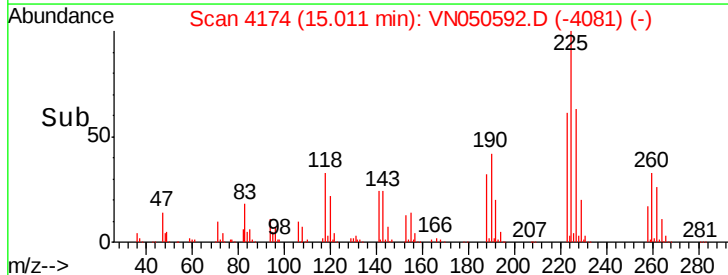
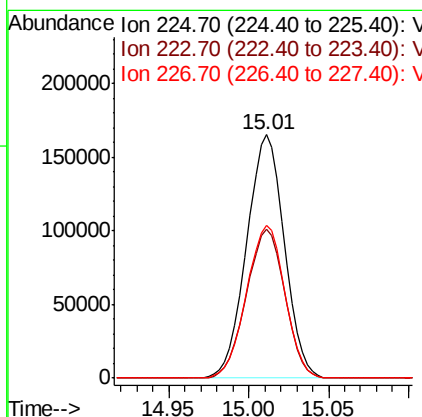
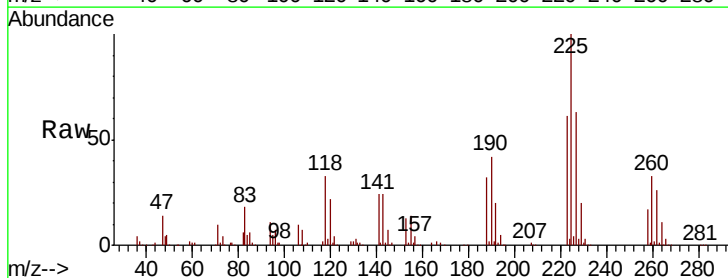
Manual Integrations
 APPROVED

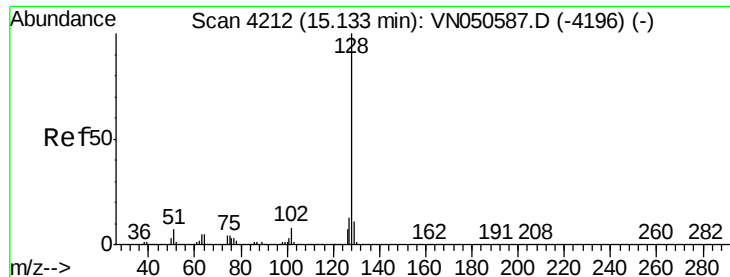
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#94
 Hexachlorobutadiene
 Concen: 49.75 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	266235		
223	62.4	32.1	96.3	
227	63.9	32.0	96.2	





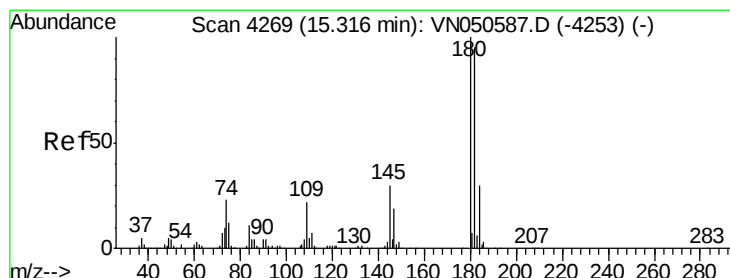
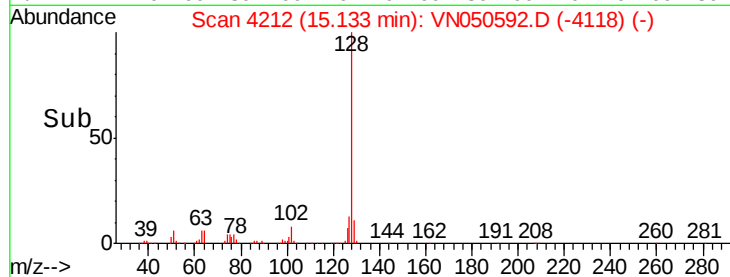
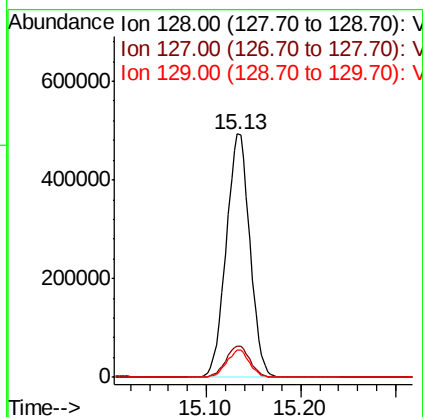
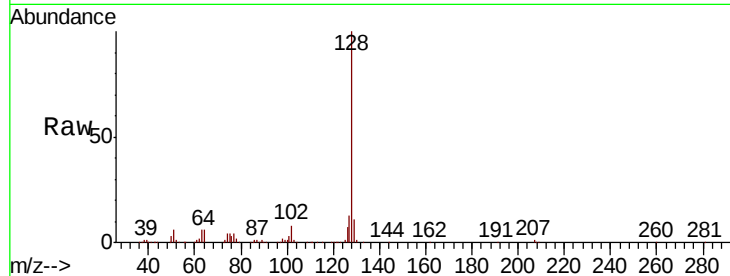
#95
Naphthalene
Concen: 45.33 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	856334		
127	13.1		10.3	15.5
129	10.8		8.5	12.7

Manual Integrations
APPROVED

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8/15/2018 3:31:20 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.34 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	412601		
182	95.1		47.3	141.8
145	29.5		14.6	44.0

