

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082018\
 Data File : VN050768.D
 Acq On : 20 Aug 2018 12:33
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 2:13:09 PM

Quant Time: Aug 21 03:34:54 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	683863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	969457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	902837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	460404	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	411626	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
35) Dibromofluoromethane	7.59	113	391178	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	10.09	98	1487867	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.40	95	498357	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	325838	42.26	ug/l	99
3) Chloromethane	2.06	50	439778	46.78	ug/l	100
4) Vinyl Chloride	2.18	62	444536	43.40	ug/l	99
5) Bromomethane	2.56	94	257736	46.68	ug/l	99
6) Chloroethane	2.70	64	269989	47.36	ug/l	100
7) Trichlorofluoromethane	3.01	101	585897	43.60	ug/l	100
8) Diethyl Ether	3.41	74	208286	46.60	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	369588	45.48	ug/l	100
10) Methyl Iodide	3.95	142	257978	45.40	ug/l	100
11) Tert butyl alcohol	4.79	59	114190	242.60	ug/l	100
12) 1,1-Dichloroethene	3.73	96	332527	44.81	ug/l	98
13) Acrolein	3.61	56	93904	535.09	ug/l	98
14) Allyl chloride	4.32	41	550160	47.67	ug/l	98
15) Acrylonitrile	4.99	53	624194	241.46	ug/l	99
16) Acetone	3.82	43	561155	260.78	ug/l	98
17) Carbon Disulfide	4.05	76	977833	41.88	ug/l	100
18) Methyl Acetate	4.33	43	311730	51.52	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	933551	49.43	ug/l	100
20) Methylene Chloride	4.55	84	397093	48.43	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	364938	45.36	ug/l	99
22) Diisopropyl ether	5.95	45	1171702	49.51	ug/l	97
23) Vinyl Acetate	5.90	43	3859946	249.34	ug/l	100
24) 1,1-Dichloroethane	5.85	63	689001	45.00	ug/l	99
25) 2-Butanone	6.84	43	895800	253.46	ug/l	99
26) 2,2-Dichloropropane	6.83	77	569852	55.60	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	418508	46.72	ug/l	98
28) Bromochloromethane	7.20	49	336938	48.35	ug/l	99
29) Tetrahydrofuran	7.21	42	451315	244.56	ug/l	99
30) Chloroform	7.37	83	694156	44.73	ug/l	100
31) Cyclohexane	7.66	56	601978	46.04	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	591013	45.25	ug/l	100
36) 1,1-Dichloropropene	7.79	75	531901	49.29	ug/l	100
37) Ethyl Acetate	6.93	43	310049	50.83	ug/l	100
38) Carbon Tetrachloride	7.78	117	524721	46.87	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	575544	51.51	ug/l	99
40) Benzene	8.04	78	1608917	49.01	ug/l	100
41) Methacrylonitrile	7.18	41	162984	49.42	ug/l	95
42) 1,2-Dichloroethane	8.13	62	487237	48.42	ug/l	100
43) Isopropyl Acetate	8.17	43	543390	48.88	ug/l	99
44) Trichloroethene	8.84	130	421524	47.93	ug/l	98
45) 1,2-Dichloropropane	9.12	63	424815	48.60	ug/l	98
46) Dibromomethane	9.21	93	246221	47.71	ug/l	99
47) Bromodichloromethane	9.40	83	530904	48.13	ug/l	99
48) Methyl methacrylate	9.20	41	275072	49.17	ug/l	99
49) 1,4-Dioxane	9.20	88	74950	1017.06	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1958217	260.45	ug/l	100
52) Toluene	10.16	92	997788	50.90	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	539638	52.52	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	626302	53.13	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	360190	49.19	ug/l	98
56) Ethyl methacrylate	10.43	69	448612	48.10	ug/l	99
57) 1,3-Dichloropropane	10.71	76	606606	50.53	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1064192	238.33	ug/l	100
59) 2-Hexanone	10.75	43	1332534	274.60	ug/l	99
60) Dibromochloromethane	10.90	129	411243	50.88	ug/l	99
61) 1,2-Dibromoethane	11.01	107	354222	50.79	ug/l	99
64) Tetrachloroethene	10.63	164	383112	45.69	ug/l	99
65) Chlorobenzene	11.43	112	1095448	48.75	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	404950	48.08	ug/l	99
67) Ethyl Benzene	11.51	91	1879165	51.79	ug/l	99
68) m/p-Xylenes	11.62	106	1453776	104.77	ug/l	99
69) o-Xylene	11.95	106	701433	53.01	ug/l	99
70) Styrene	11.96	104	1148863	48.85	ug/l	100
71) Bromoform	12.13	173	282362	50.56	ug/l #	100
73) Isopropylbenzene	12.25	105	1855809	51.59	ug/l	99
74) N-amyl acetate	12.07	43	469883	50.21	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	450149	54.09	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	388810m	52.32	ug/l	
77) Bromobenzene	12.53	156	476740	48.81	ug/l	99
78) n-propylbenzene	12.59	91	2119601	52.84	ug/l	100
79) 2-Chlorotoluene	12.67	91	1264246	50.55	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1532653	53.22	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	115155	55.61	ug/l	98
82) 4-Chlorotoluene	12.77	91	1265629	51.21	ug/l	99
83) tert-Butylbenzene	12.99	119	1302079	52.08	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1561506	54.02	ug/l	100
85) sec-Butylbenzene	13.17	105	1736273	53.14	ug/l	100
86) p-Isopropyltoluene	13.29	119	1534505	55.43	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	821219	49.39	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	792978	48.06	ug/l	100
89) n-Butylbenzene	13.62	91	1214447	54.33	ug/l	99
90) Hexachloroethane	13.87	117	270722	48.63	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	791319	48.79	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60842	47.40	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	376014	45.43	ug/l	98
94) Hexachlorobutadiene	15.01	225	241808	48.62	ug/l	100
95) Naphthalene	15.13	128	739780	42.41	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	356109	45.96	ug/l	99

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

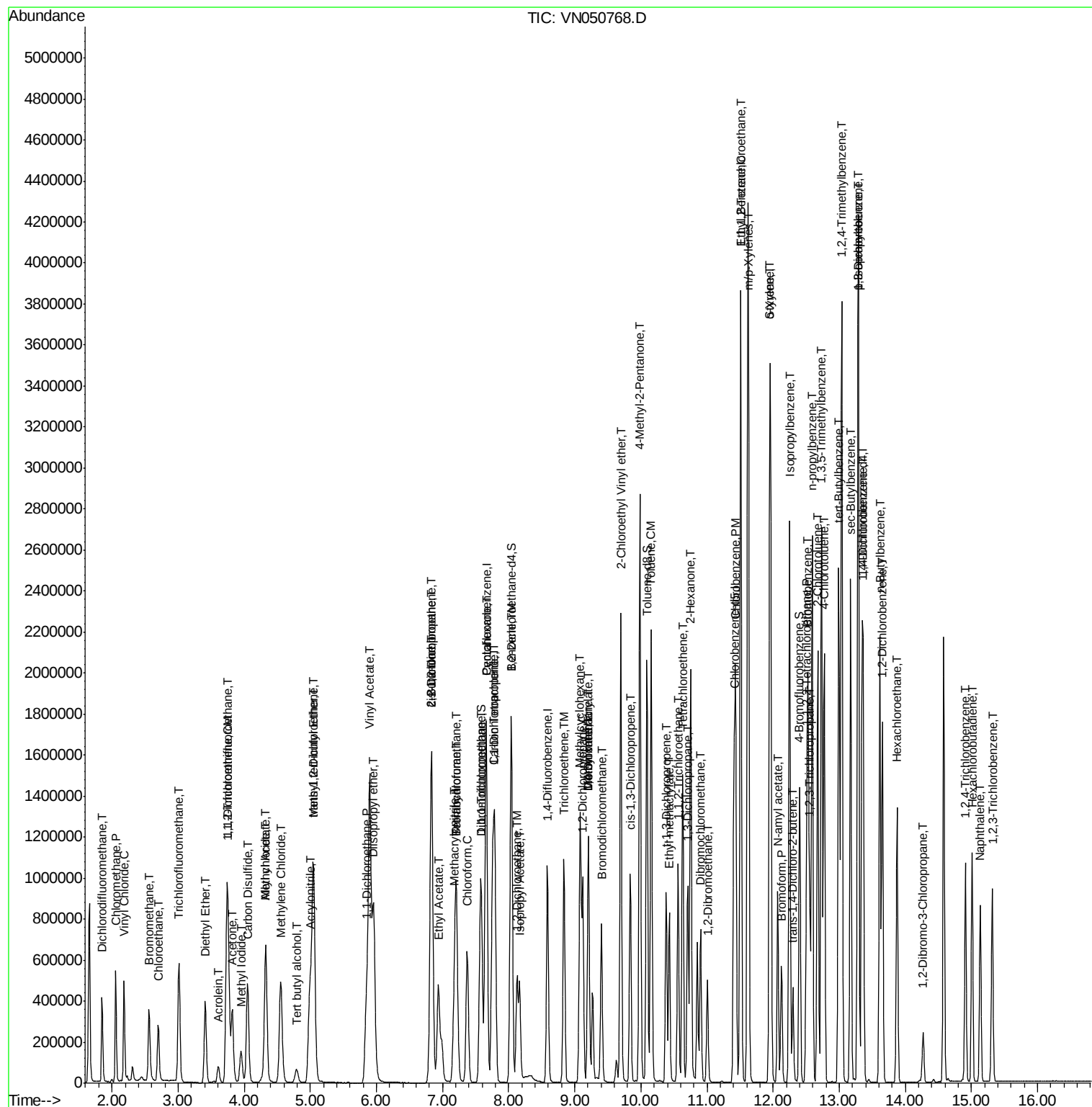
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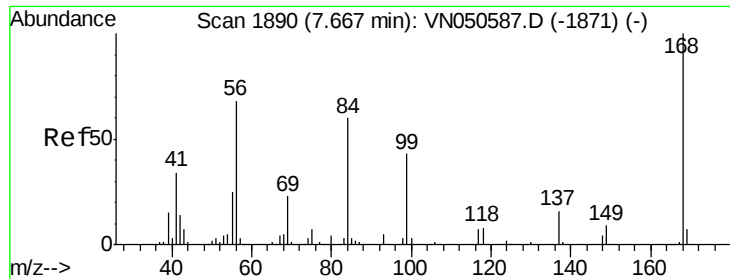
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 683863

Ion Ratio Lower Upper

168 100

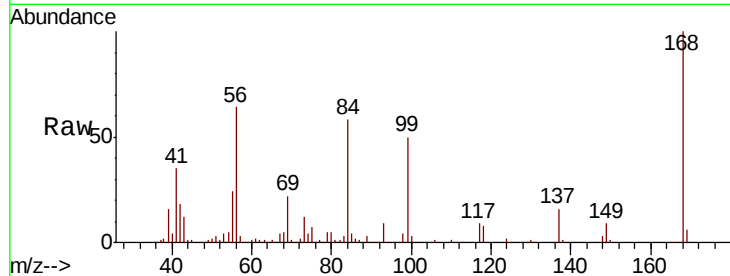
99 49.6 40.8 61.2

Manual Integrations

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8/21/2018 2:13:09 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

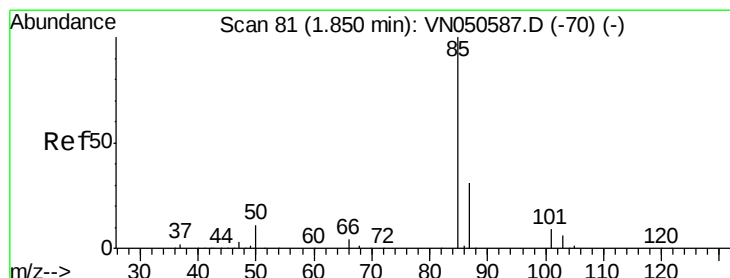
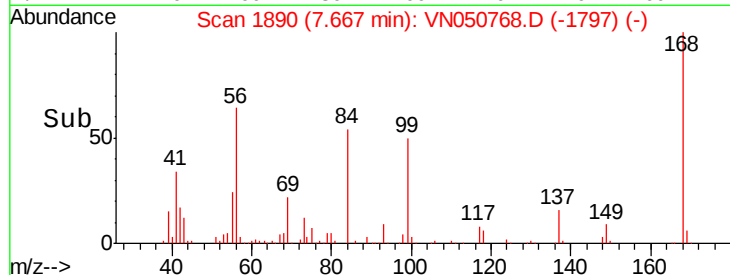
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.26 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050768.D

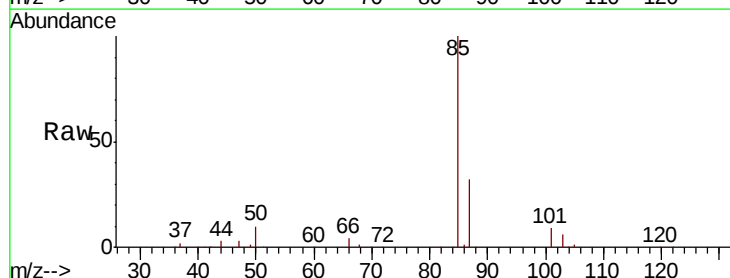
Acq: 20 Aug 2018 12:33

Tgt Ion: 85 Resp: 325838

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

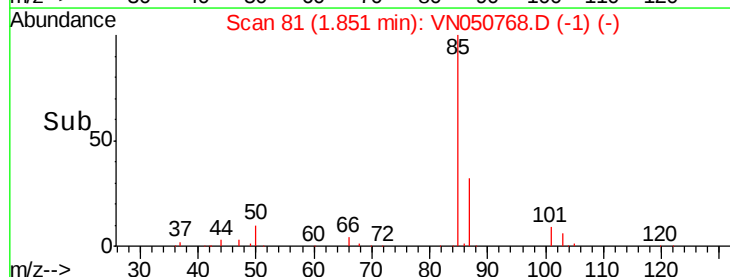
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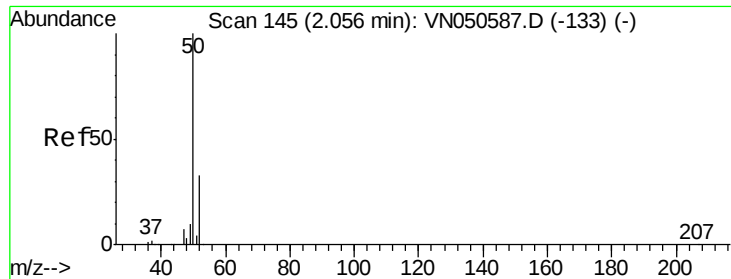
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50000

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Time-->





#3

Chloromethane

Concen: 46.78 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 439778

Ion Ratio Lower Upper

50 100

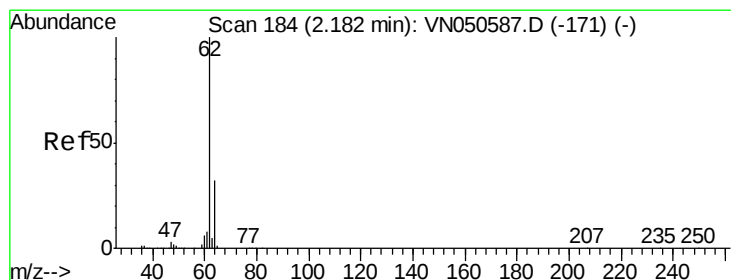
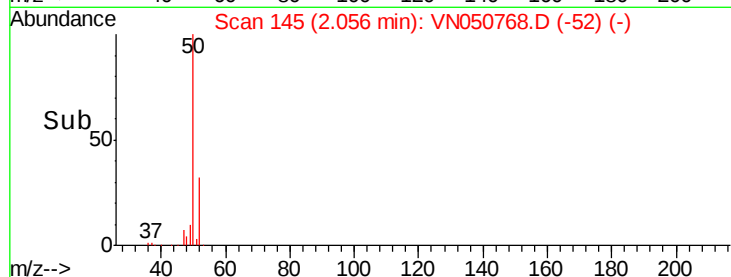
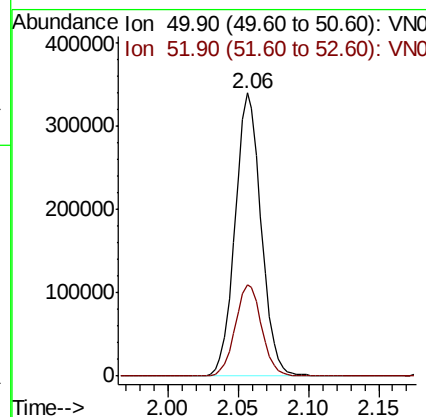
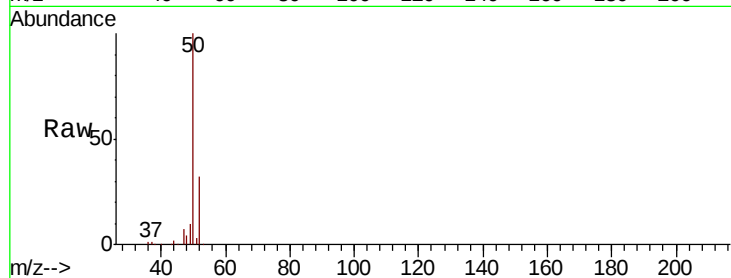
52 32.4 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.40 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050768.D

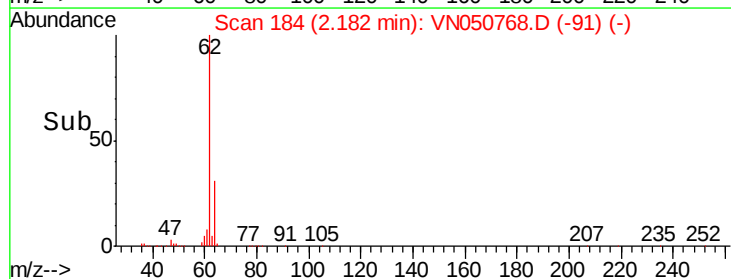
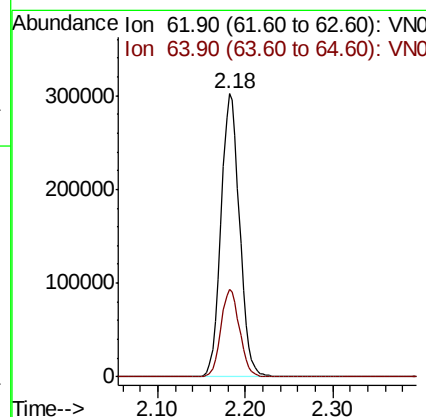
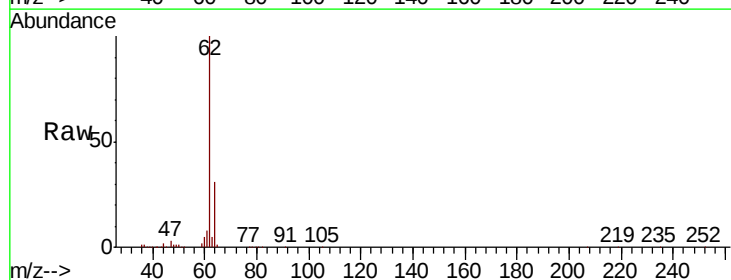
Acq: 20 Aug 2018 12:33

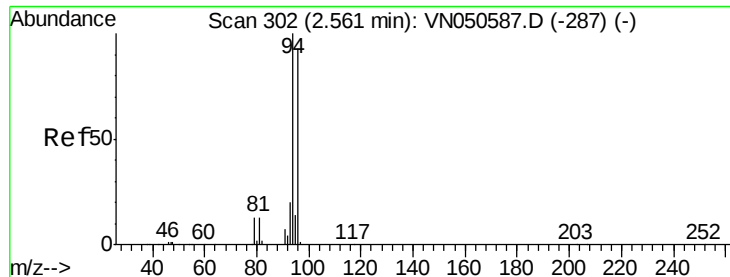
Tgt Ion: 62 Resp: 444536

Ion Ratio Lower Upper

62 100

64 31.0 25.2 37.8





#5

Bromomethane

Concen: 46.68 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 257736

Ion Ratio Lower Upper

94 100

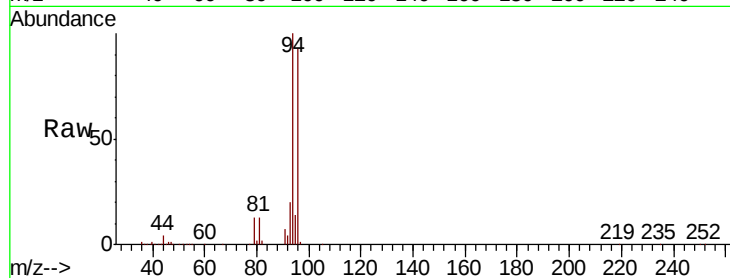
96 93.3 74.0 111.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

150000

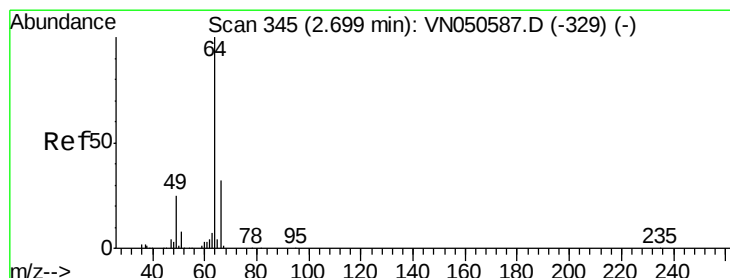
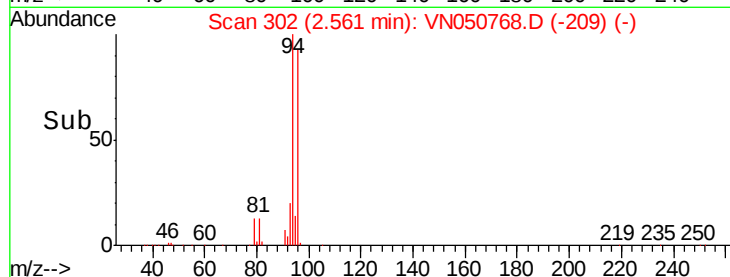
2.56

100000

50000

0

Time-->



#6

Chloroethane

Concen: 47.36 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050768.D

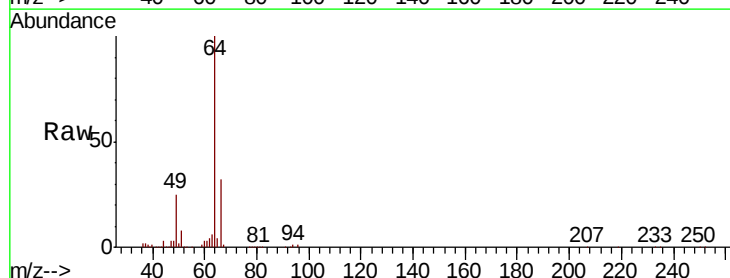
Acq: 20 Aug 2018 12:33

Tgt Ion: 64 Resp: 269989

Ion Ratio Lower Upper

64 100

66 31.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

150000

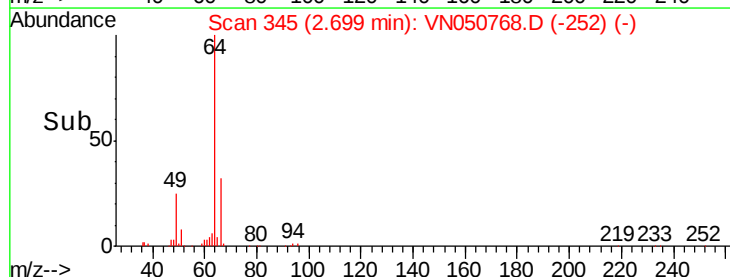
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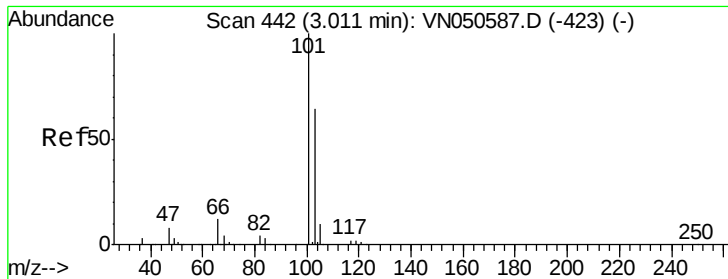
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50000

0

Time-->





#7

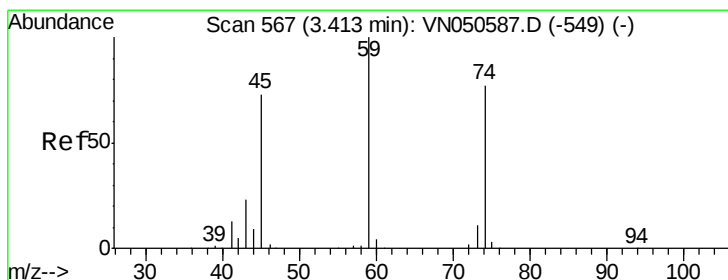
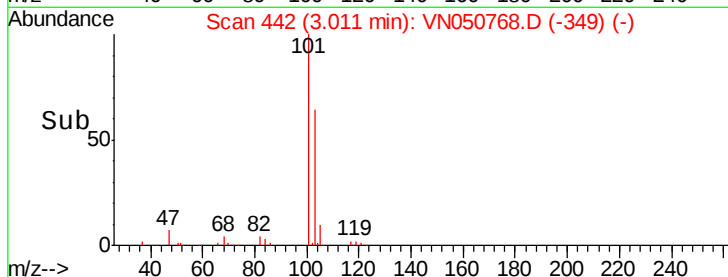
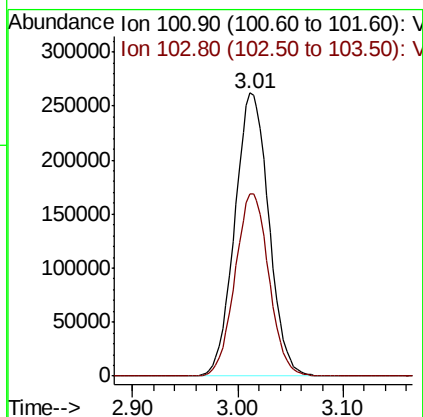
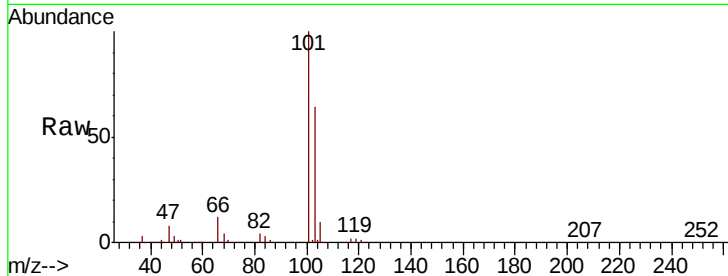
Trichlorofluoromethane
 Concen: 43.60 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.4	77.0

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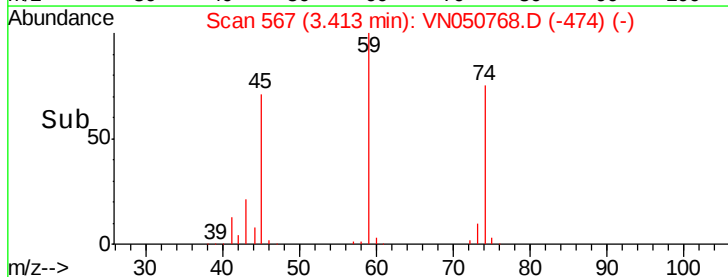
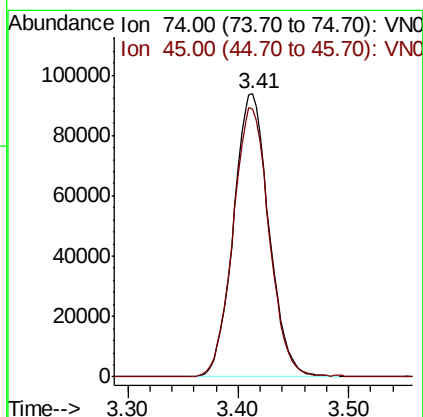
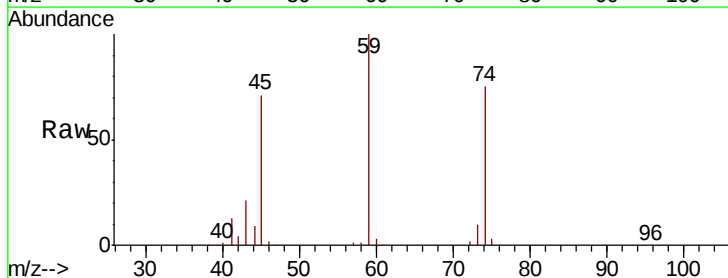
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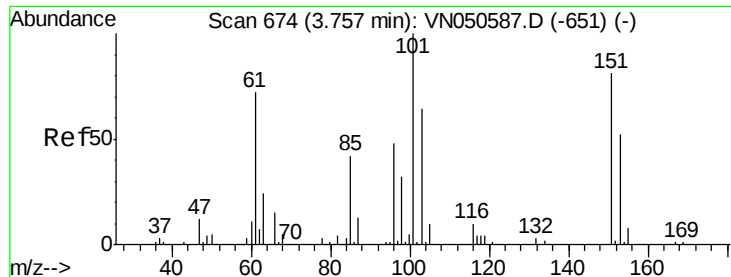


#8

Diethyl Ether
 Concen: 46.60 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.48 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

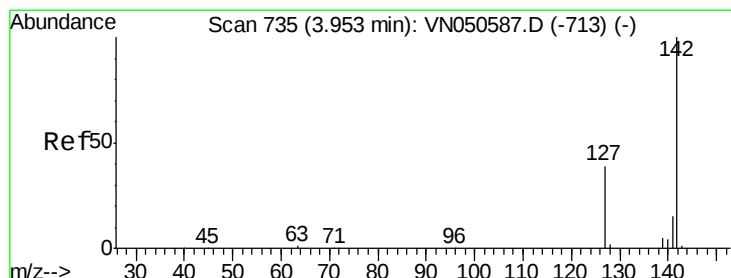
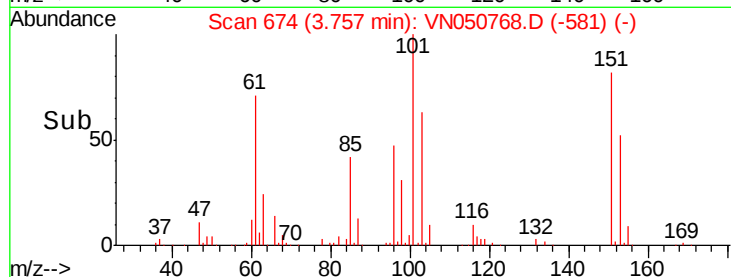
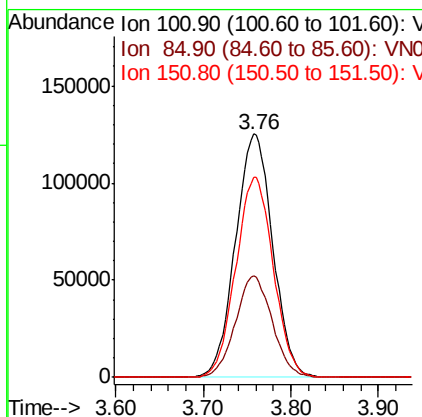
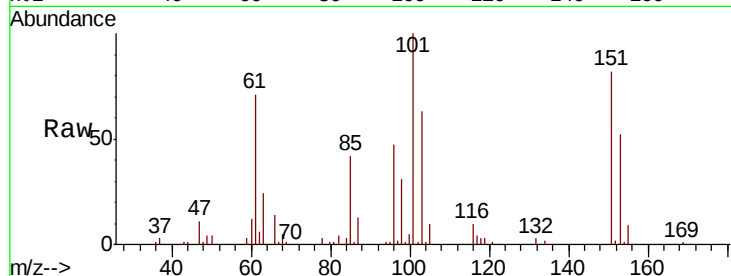
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	369588
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.4	50.0
151	83.0	66.6	100.0

Manual Integrations
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#10

Methyl Iodide

Concen: 45.40 ug/l

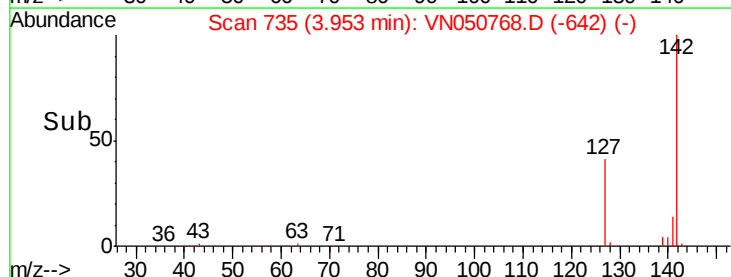
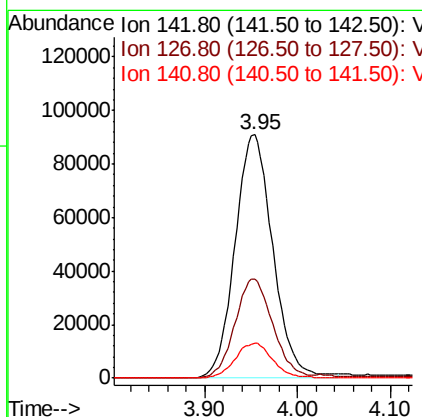
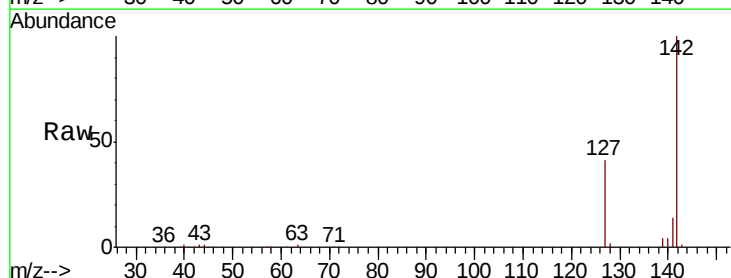
RT: 3.95 min Scan# 735

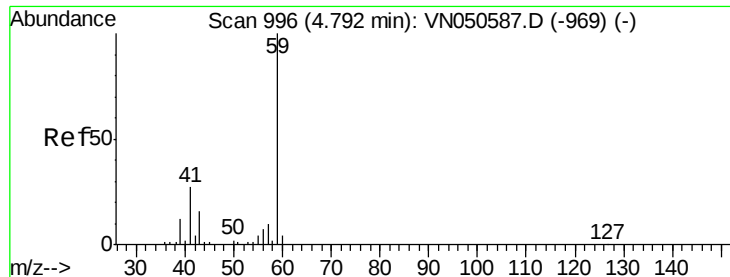
Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Tgt Ion:	142	Resp:	257978
Ion Ratio	Lower	Upper	
142	100		
127	40.8	32.6	49.0
141	14.3	11.5	17.3





#11

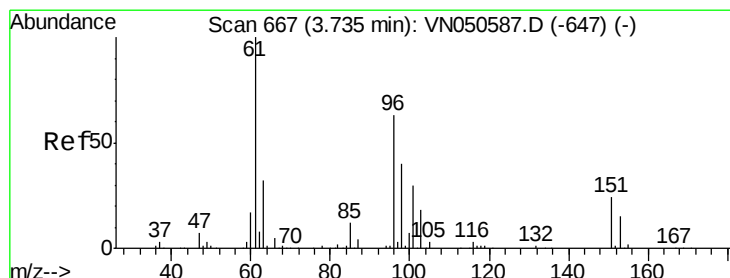
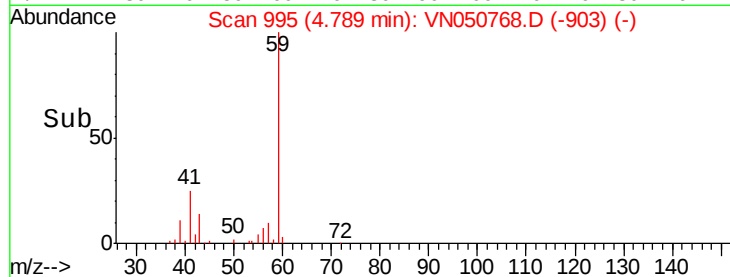
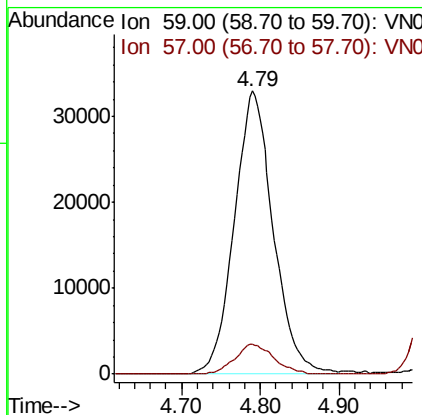
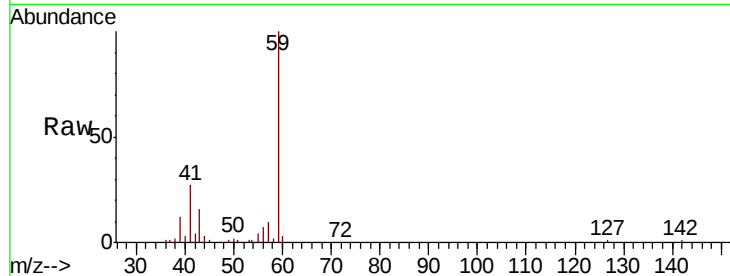
Tert butyl alcohol
 Concen: 242.60 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	59	Resp	114190
Ion Ratio	100	Lower	Upper
57	10.6	8.4	12.6

Manual Integrations
 APPROVED

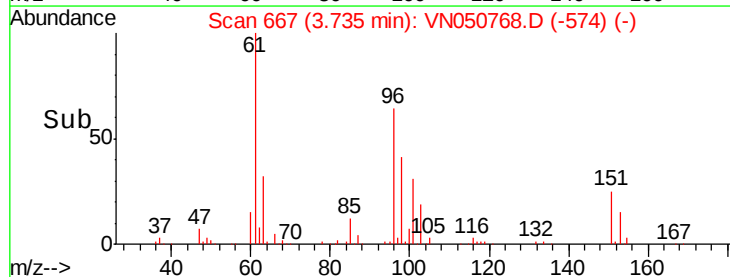
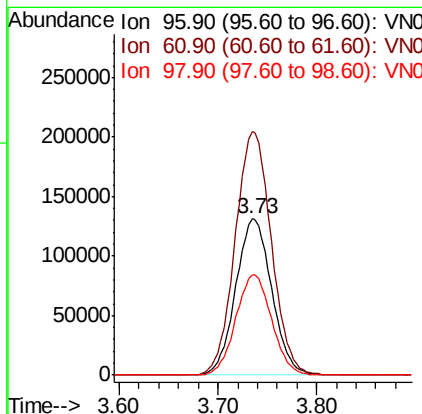
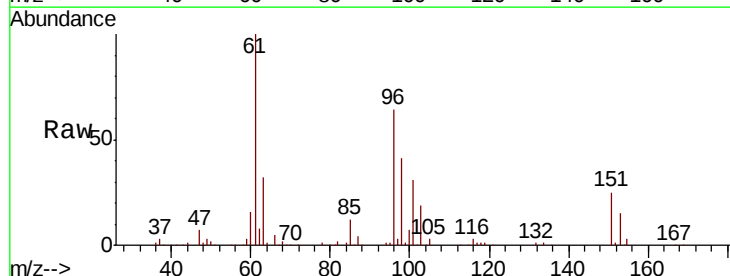
MMDadoda
 8/21/2018 2:13:09 PM

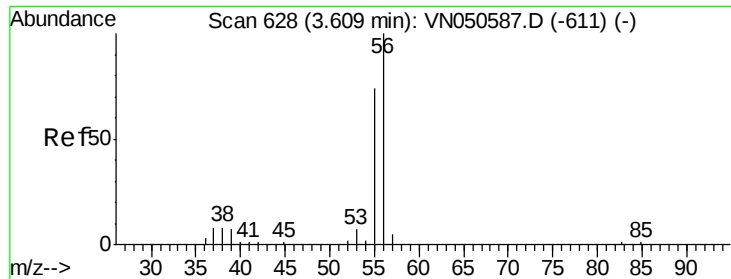


#12

1,1-Dichloroethene
 Concen: 44.81 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion	96	Resp	332527
Ion Ratio	100	Lower	Upper
61	156.0	126.9	190.3
98	64.6	51.1	76.7





#13

Acrolein

Concen: 535.09 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 93904

Ion Ratio Lower Upper

56 100

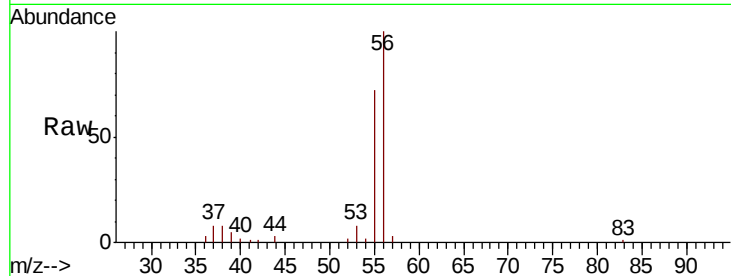
55 72.2 56.3 84.5

Manual Integrations

APPROVED

MMDadoda

8/21/2018 2:13:09 PM



Abundance Ion 56.00 (55.70 to 56.70): VN050587.D (-611) (-)

Ion 55.00 (54.70 to 55.70): VN050587.D (-611) (-)

3.61

40000

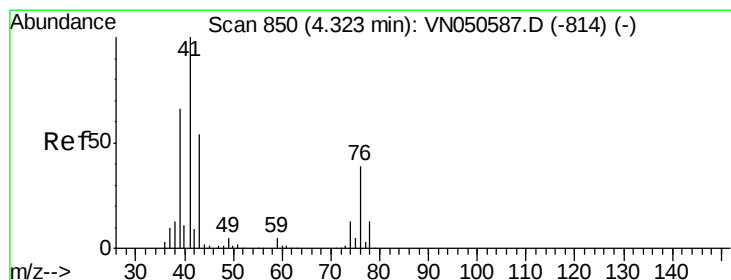
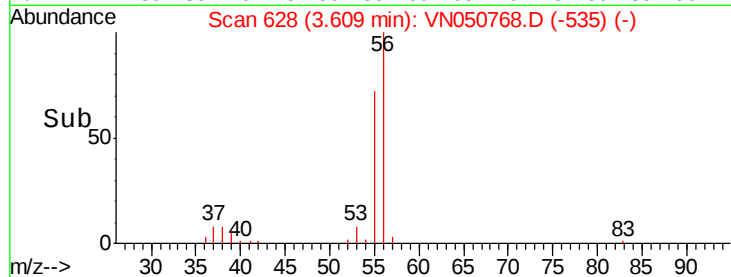
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 47.67 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

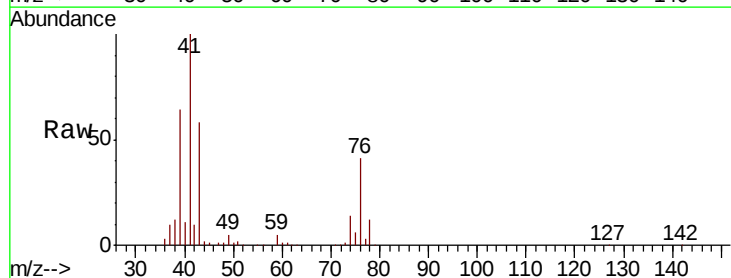
Tgt Ion: 41 Resp: 550160

Ion Ratio Lower Upper

41 100

39 61.9 51.4 77.0

76 37.3 29.4 44.0



Abundance Ion 41.00 (40.70 to 41.70): VN050587.D (-814) (-)

Ion 39.00 (38.70 to 39.70): VN050587.D (-814) (-)

Ion 75.90 (75.60 to 76.60): VN050587.D (-814) (-)

4.32

250000

200000

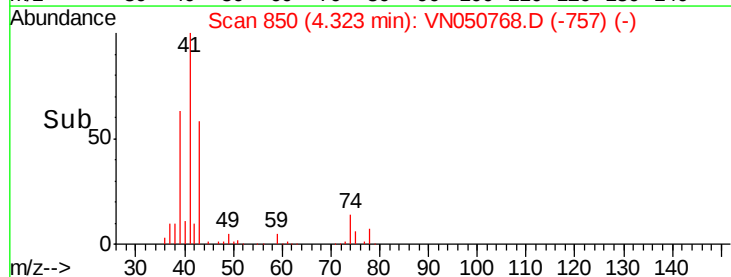
150000

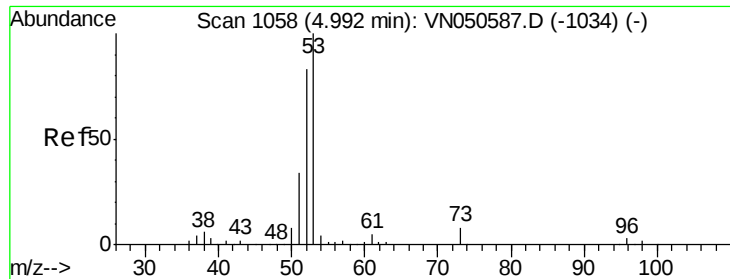
100000

50000

0

Time-->





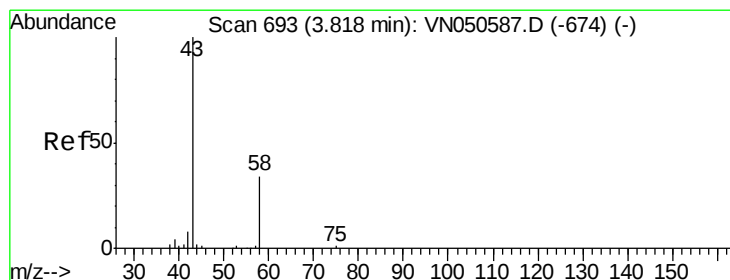
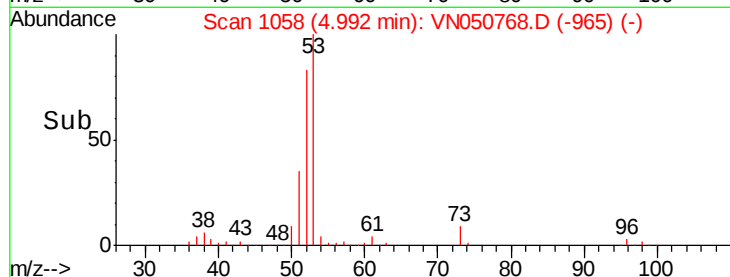
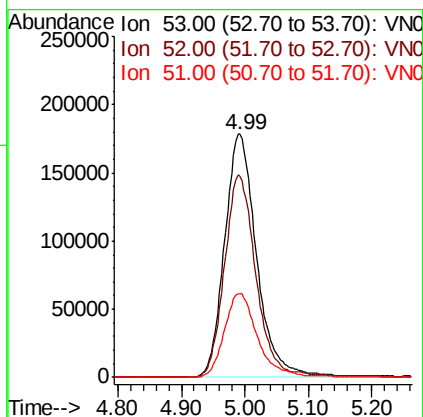
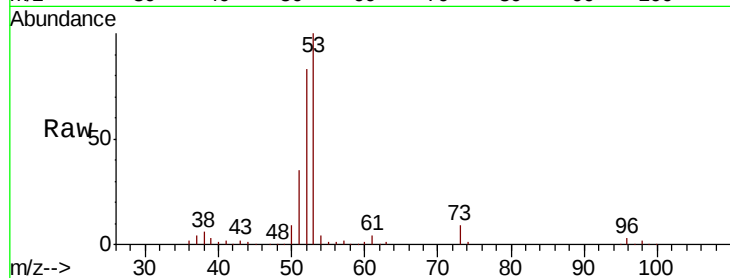
#15
 Acrylonitrile
 Concen: 241.46 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.2	99.2
51	35.5	28.6	43.0

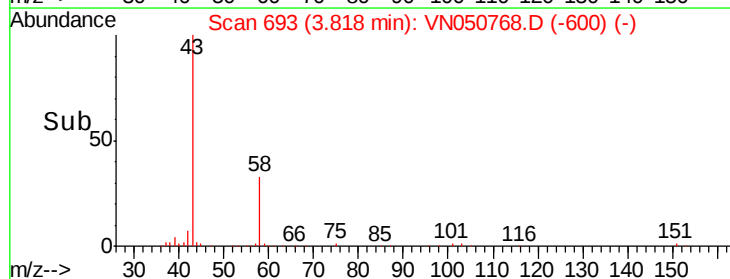
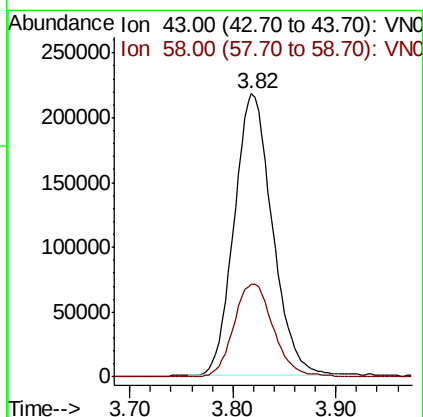
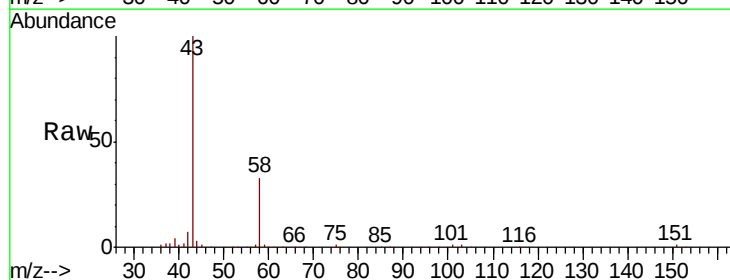
Manual Integrations
 APPROVED

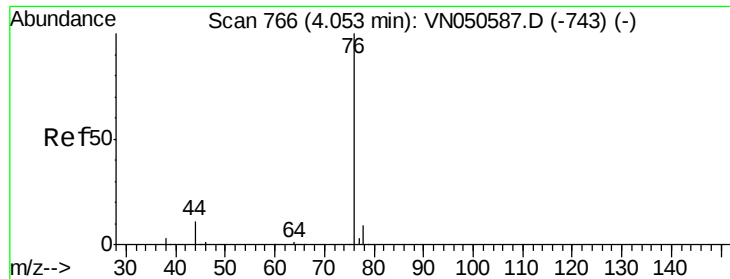
MMDadoda
 8/21/2018 2:13:09 PM



#16
 Acetone
 Concen: 260.78 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.8	27.1	40.7





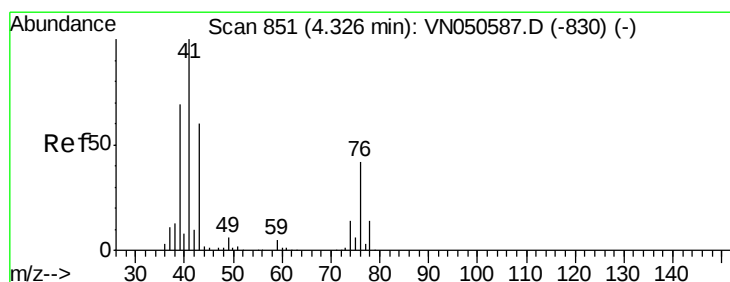
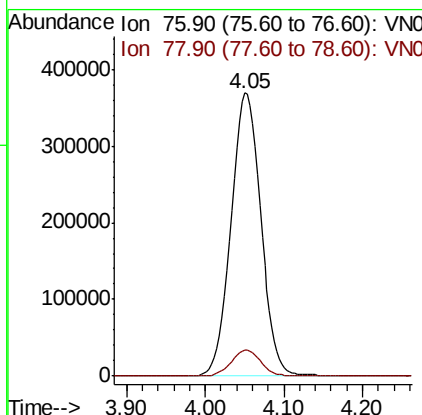
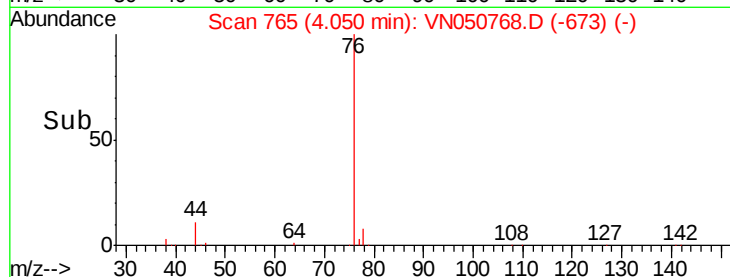
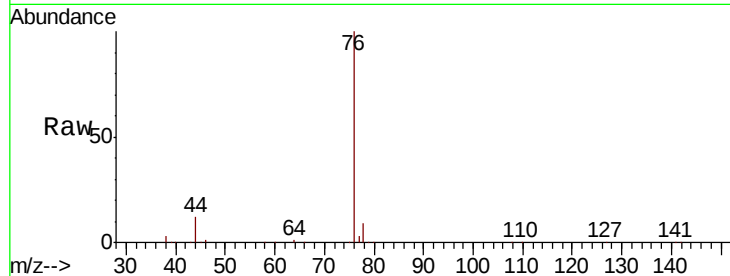
#17
Carbon Disulfide
Concen: 41.88 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

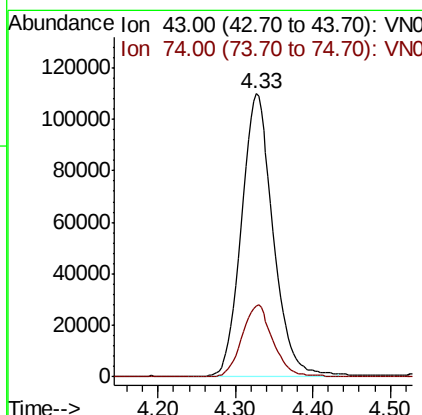
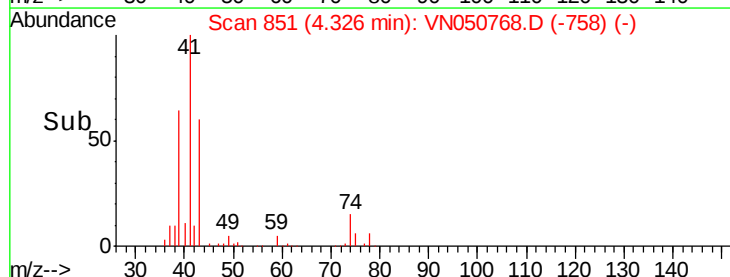
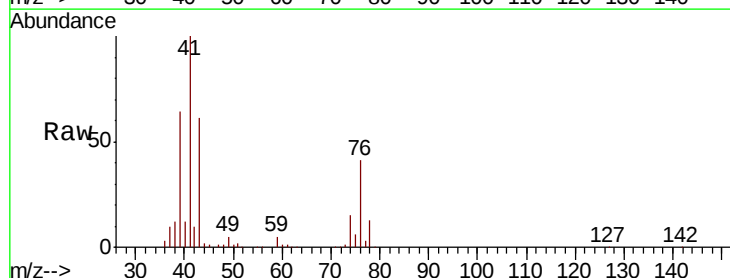
Manual Integrations
APPROVED

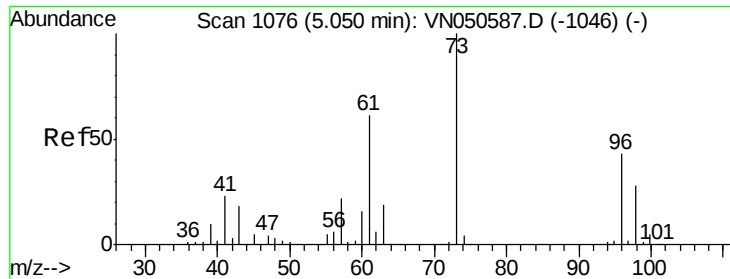
MMDadoda
8/21/2018 2:13:09 PM



#18
Methyl Acetate
Concen: 51.52 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.7	29.5





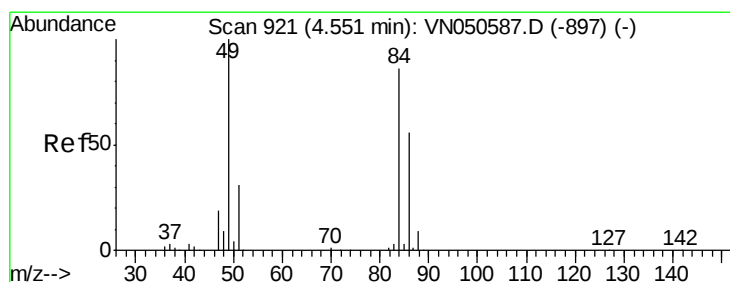
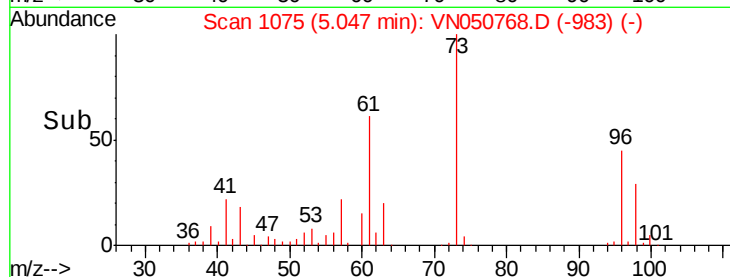
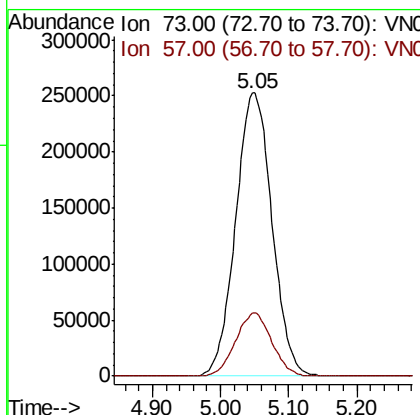
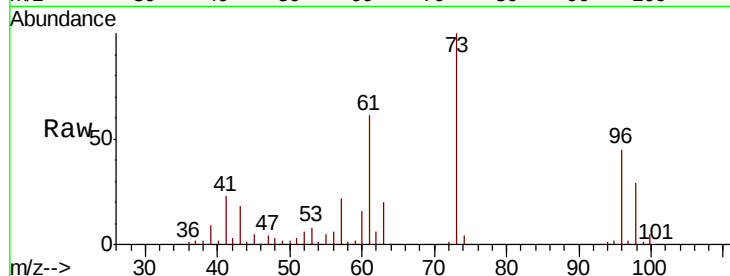
#19
Methyl tert-butyl Ether
Concen: 49.43 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.9	26.9

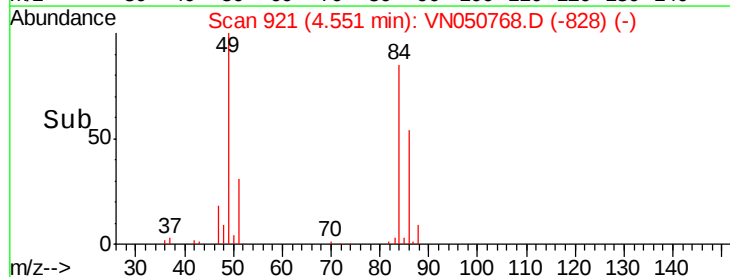
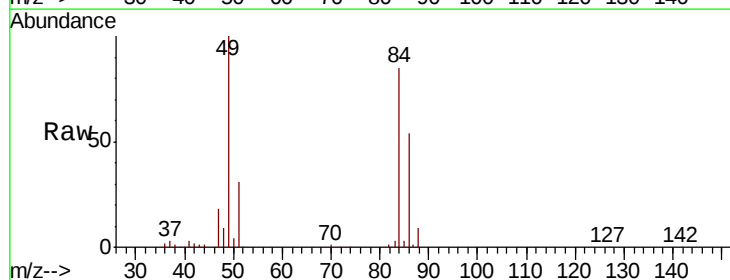
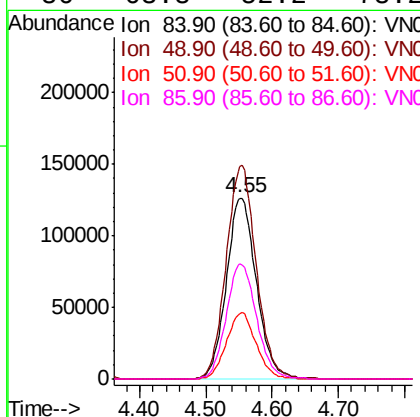
Manual Integrations
APPROVED

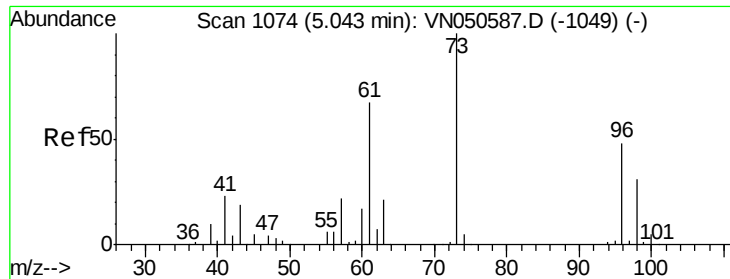
MMDadoda
8/21/2018 2:13:09 PM



#20
Methylene Chloride
Concen: 48.43 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.5	92.6	138.8
51	36.4	28.6	43.0
86	63.8	52.2	78.2





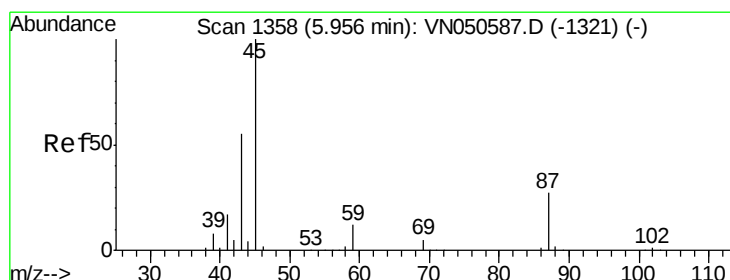
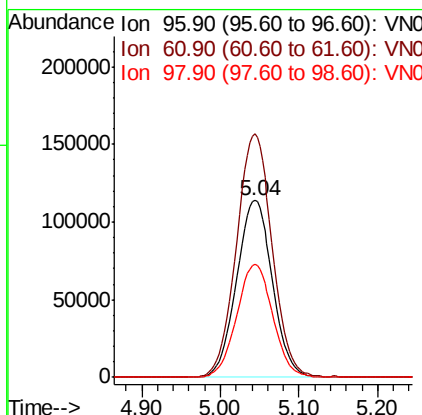
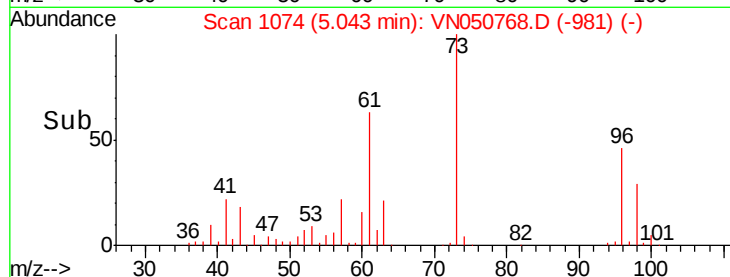
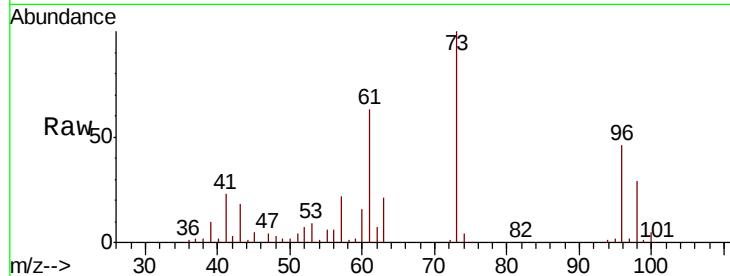
#21
trans-1,2-Dichloroethene
Concen: 45.36 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.7	111.2	166.8
98	64.1	51.6	77.4

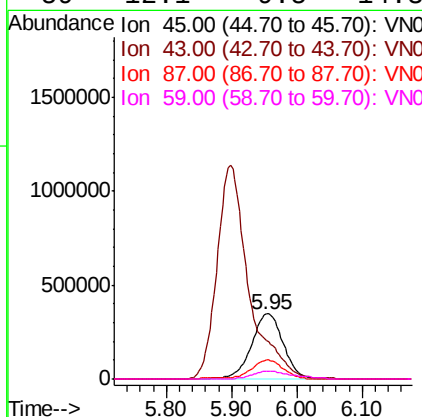
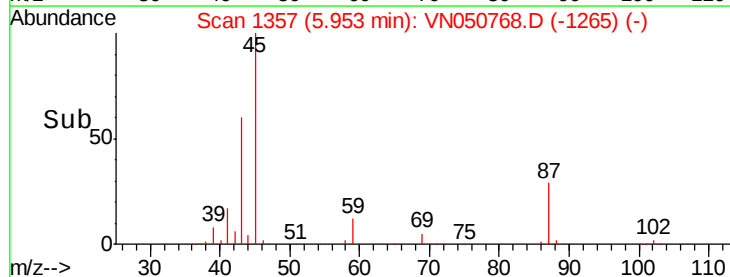
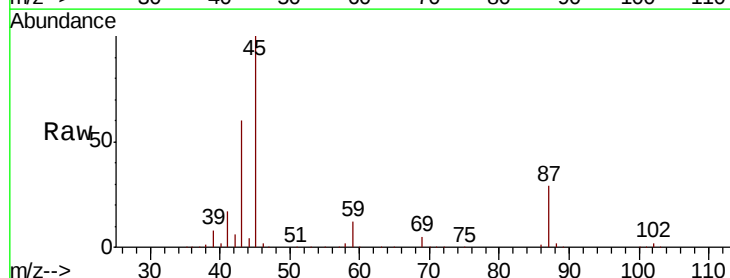
Manual Integrations
APPROVED

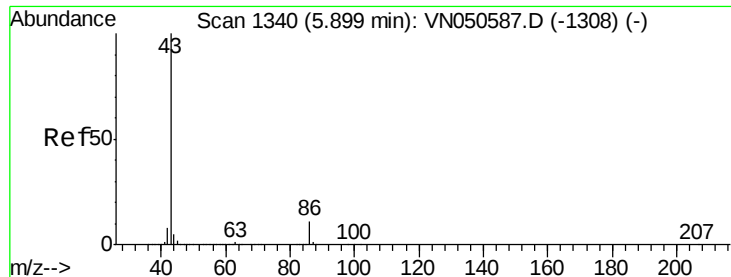
MMDadoda
8/21/2018 2:13:09 PM



#22
Diisopropyl ether
Concen: 49.51 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.9	44.5	66.7
87	28.7	22.2	33.2
59	12.1	9.5	14.3





#23

Vinyl Acetate

Concen: 249.34 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3859946

Ion Ratio Lower Upper

43 100

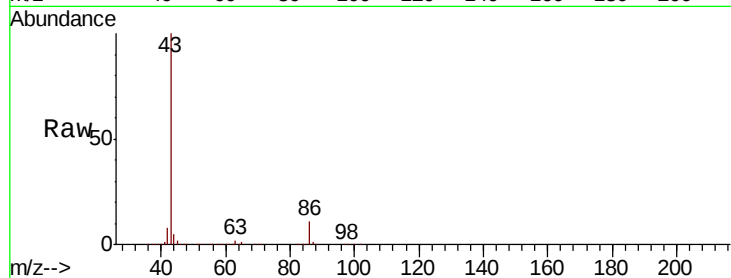
86 10.6 8.4 12.6

Manual Integrations

APPROVED

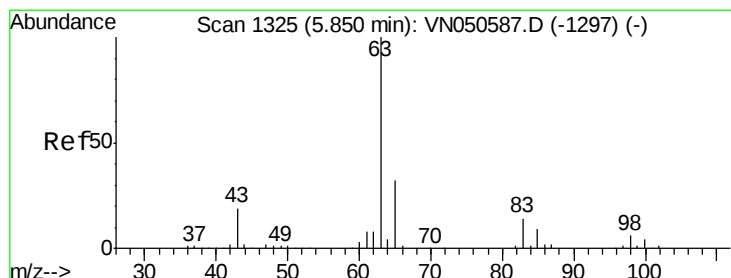
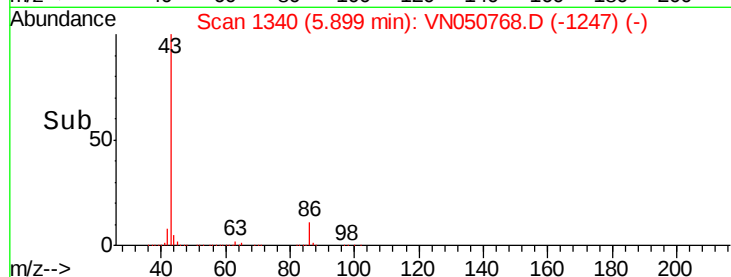
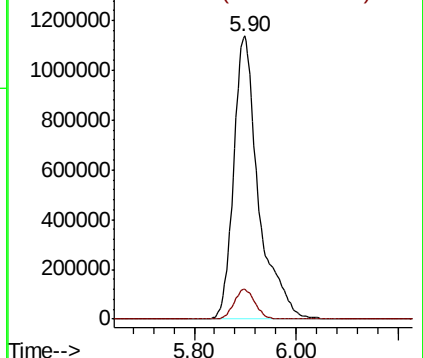
MMDadoda

8/21/2018 2:13:09 PM



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-1308) (-)

Ion 86.00 (85.70 to 86.70): VN050587.D (-1308) (-)



#24

1,1-Dichloroethane

Concen: 45.00 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

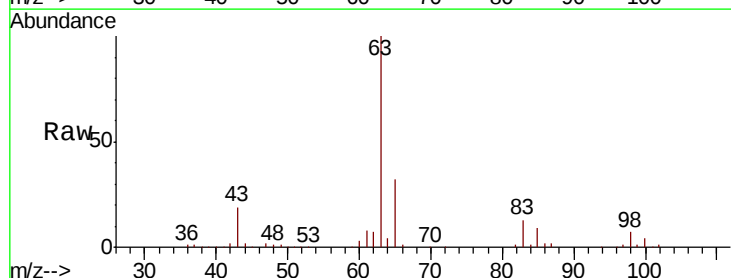
Tgt Ion: 63 Resp: 689001

Ion Ratio Lower Upper

63 100

98 6.6 3.2 9.6

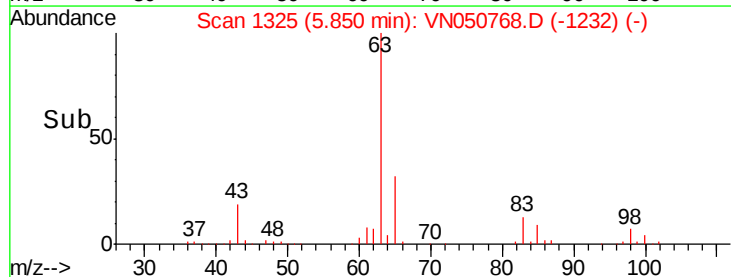
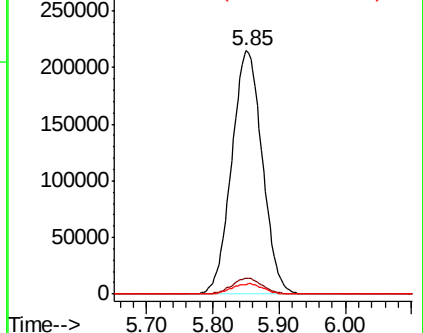
100 4.1 2.1 6.5

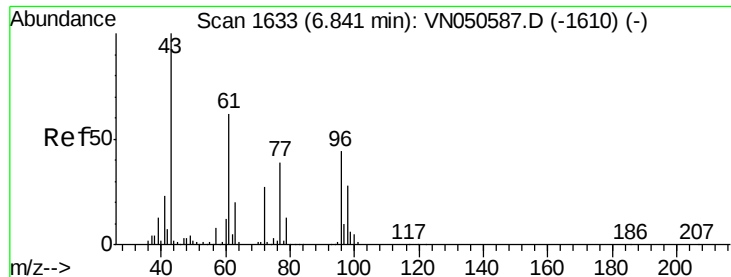


Abundance Ion 62.90 (62.60 to 63.60): VN050587.D (-1297) (-)

Ion 97.90 (97.60 to 98.60): VN050587.D (-1297) (-)

Ion 99.90 (99.60 to 100.60): VN050587.D (-1297) (-)





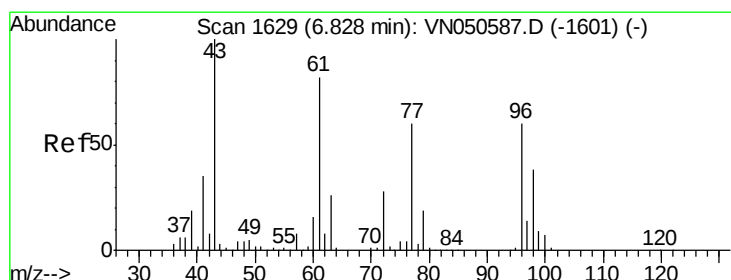
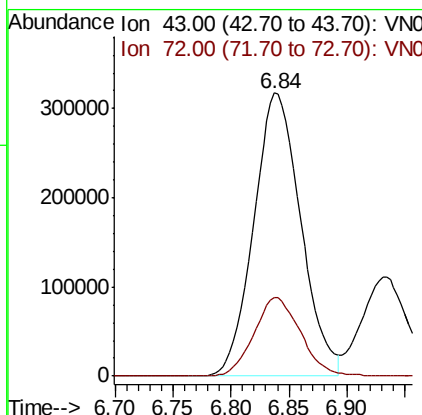
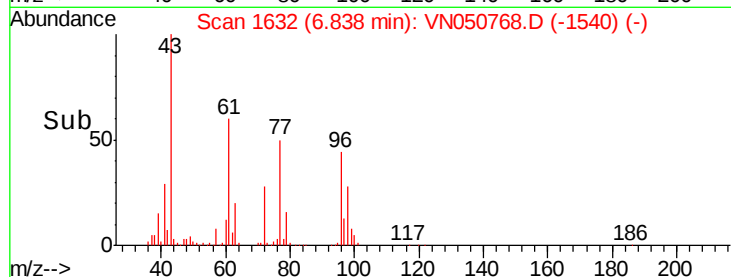
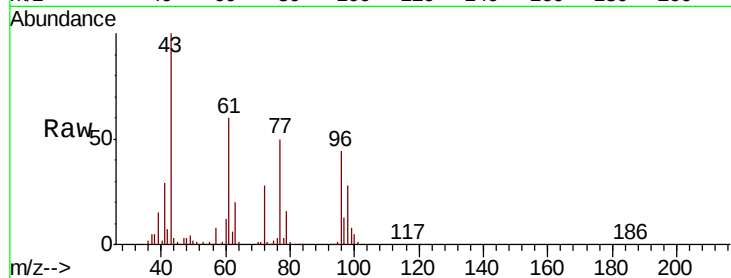
#25
2-Butanone
Concen: 253.46 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 895800
Ion Ratio Lower Upper
43 100
72 28.0 21.8 32.6

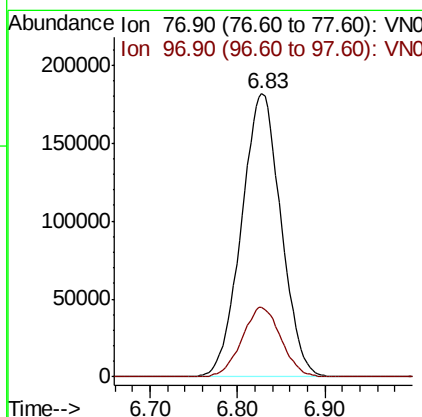
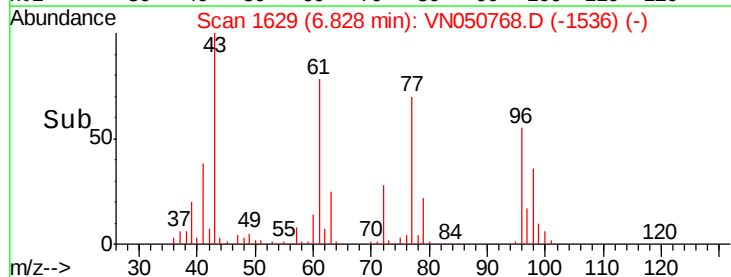
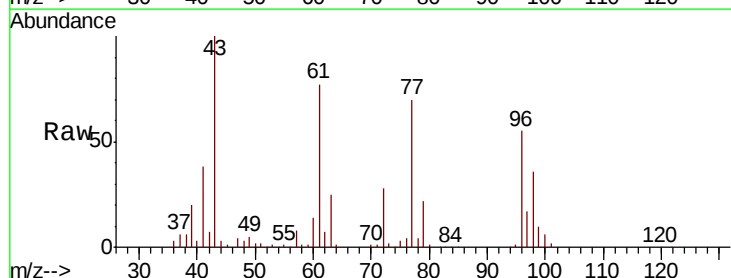
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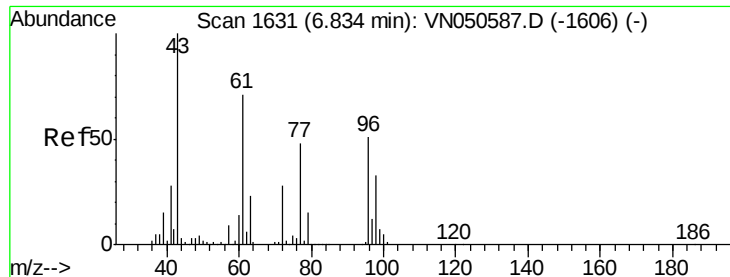
MMDadoda
8/21/2018 2:13:09 PM



#26
2,2-Dichloropropane
Concen: 55.60 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion: 77 Resp: 569852
Ion Ratio Lower Upper
77 100
97 24.3 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 46.72 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

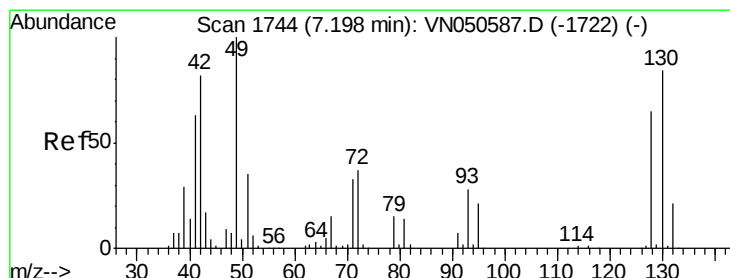
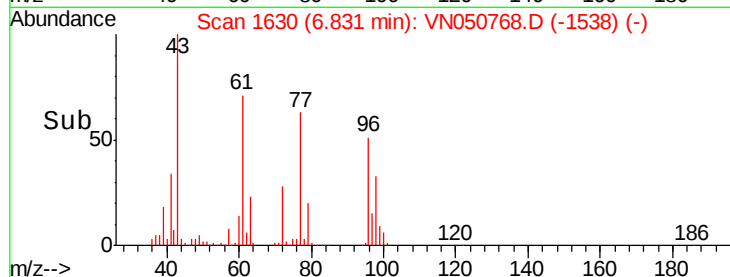
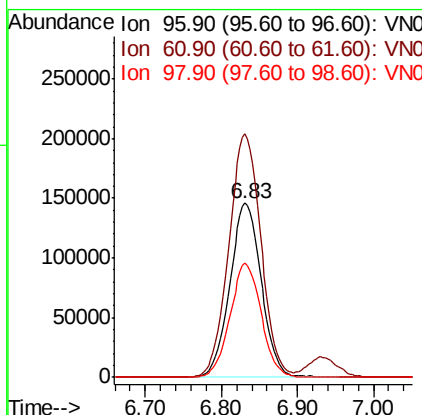
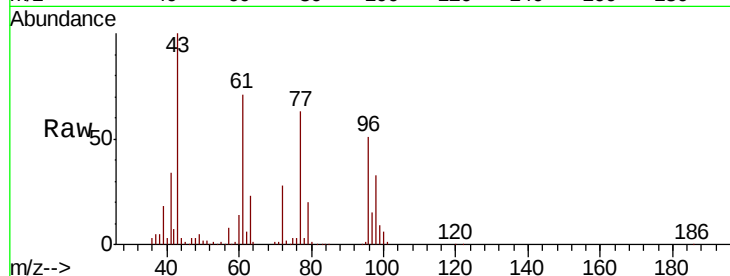
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	418508		
61	143.1	0.0	278.2	
98	65.0	0.0	128.8	

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#28

Bromochloromethane

Concen: 48.35 ug/l

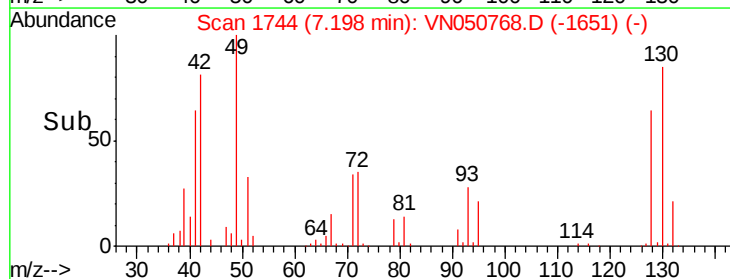
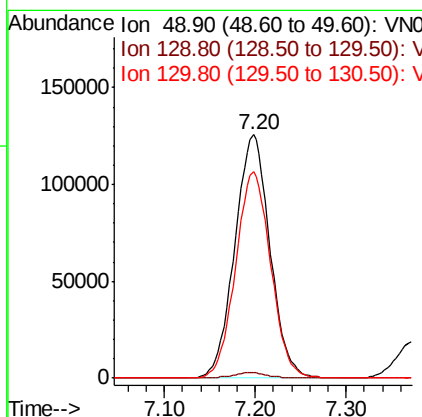
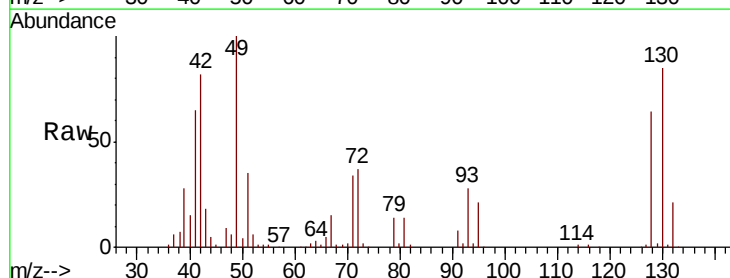
RT: 7.20 min Scan# 1744

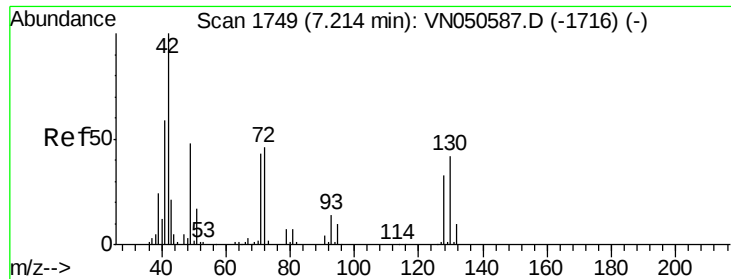
Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	336938		
129	2.2	0.0	4.2	
130	84.7	66.8	100.2	





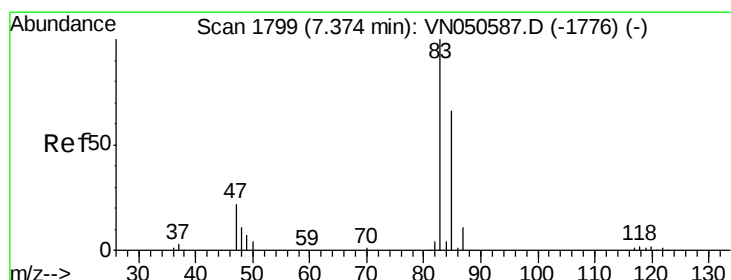
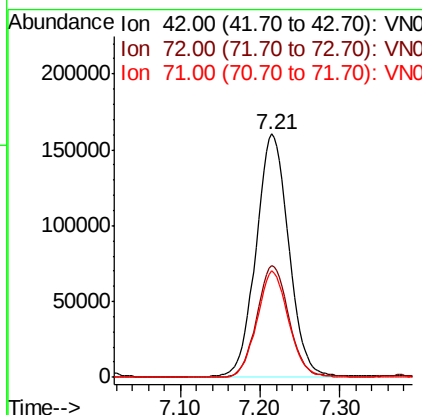
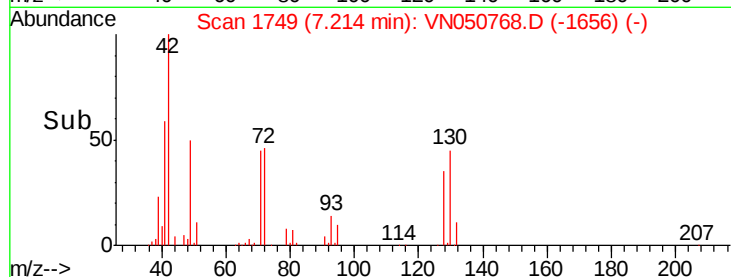
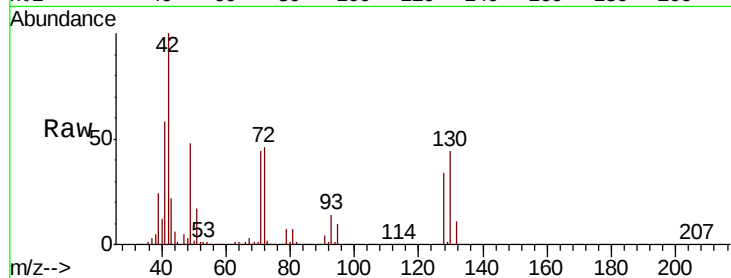
#29
Tetrahydrofuran
Concen: 244.56 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	35.8	53.6
71	42.3	33.4	50.0

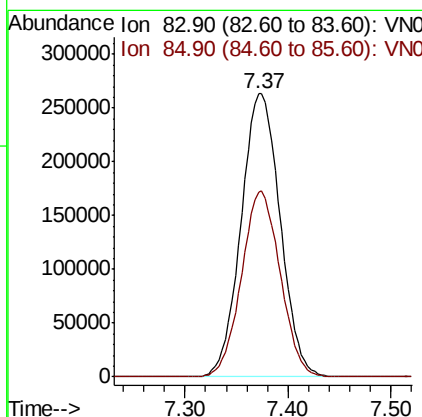
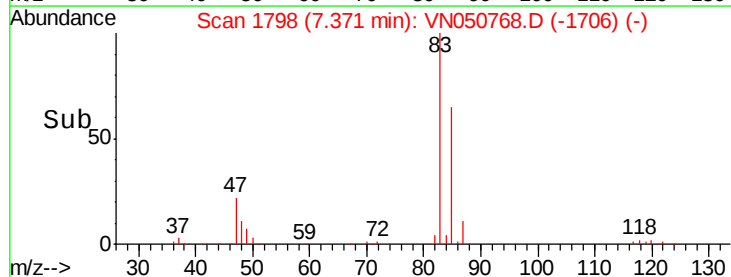
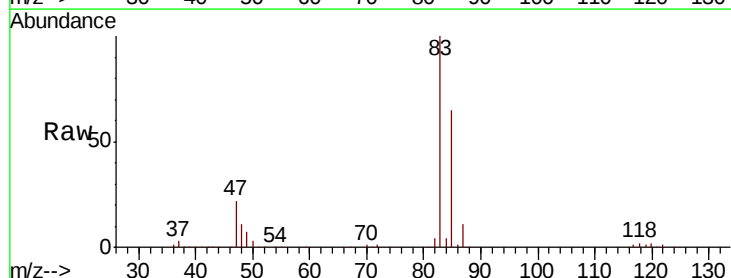
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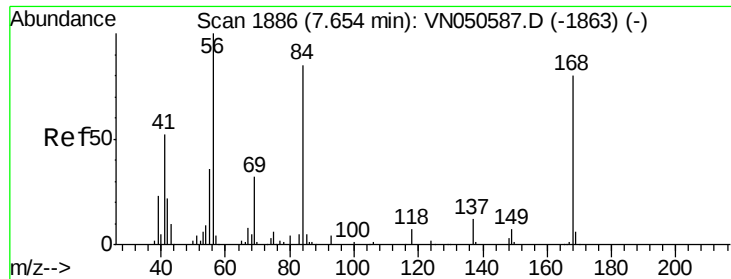
MMDadoda
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#30
Chloroform
Concen: 44.73 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.5	78.7





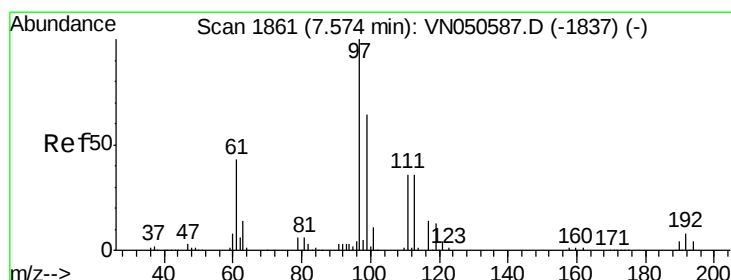
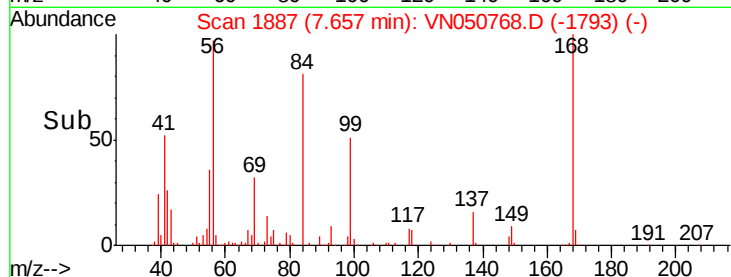
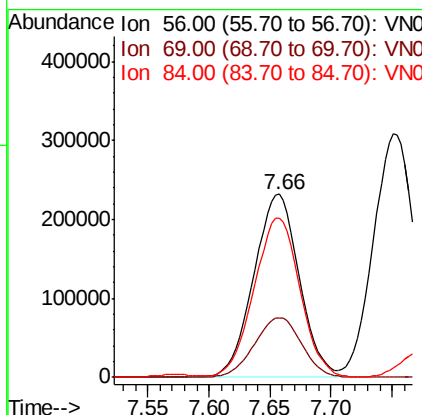
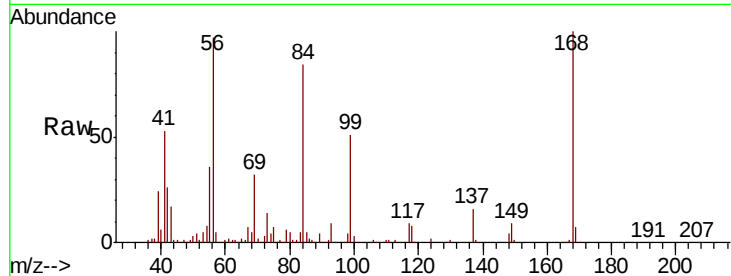
#31
Cyclohexane
Concen: 46.04 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.8	38.6
84	85.8	67.8	101.6

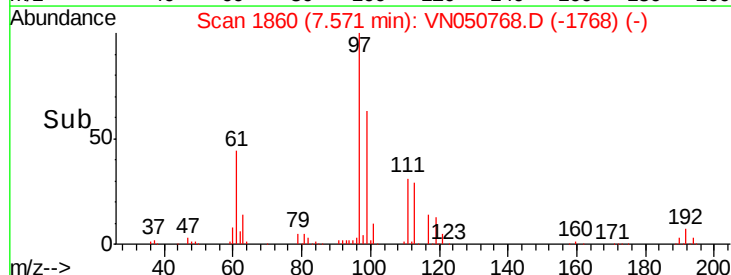
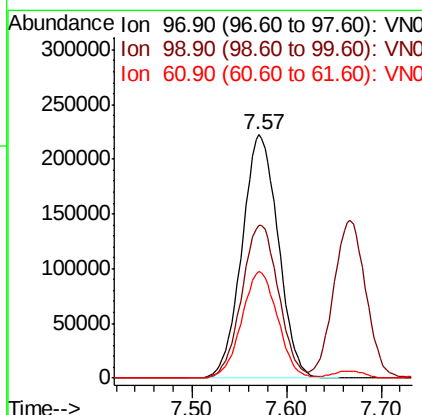
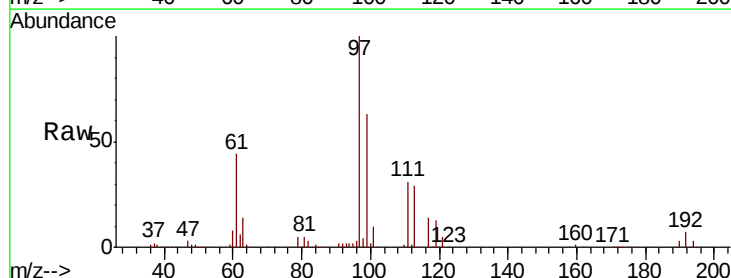
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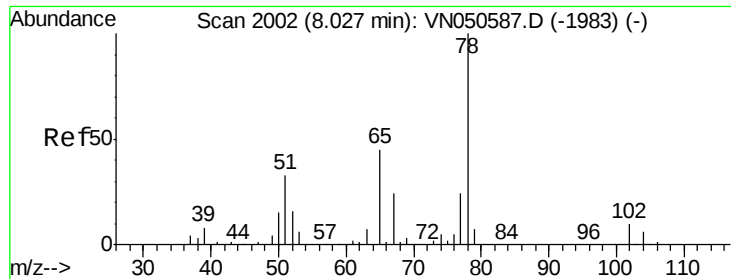
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#32
1,1,1-Trichloroethane
Concen: 45.25 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.1	76.7
61	43.4	34.8	52.2





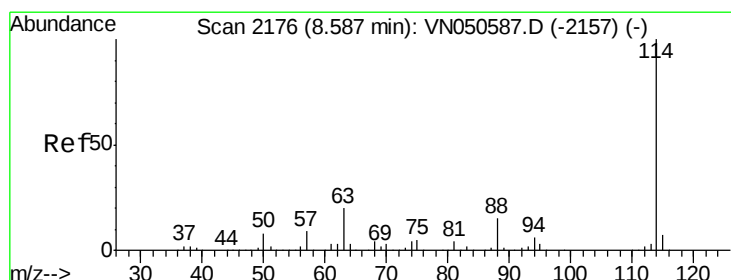
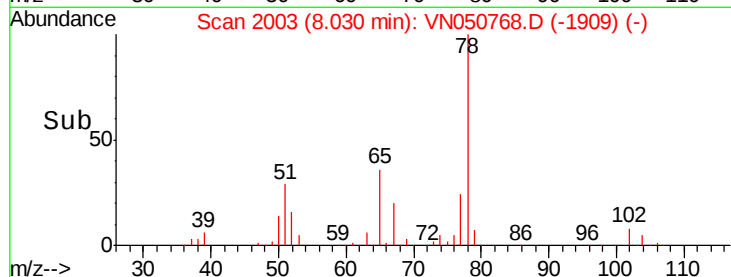
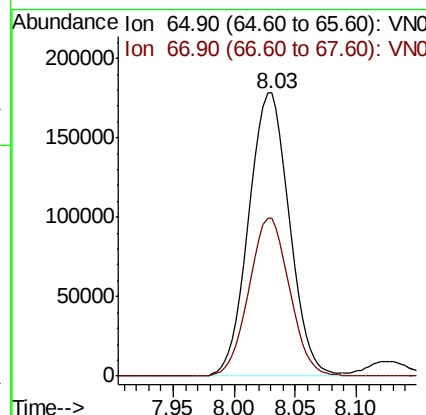
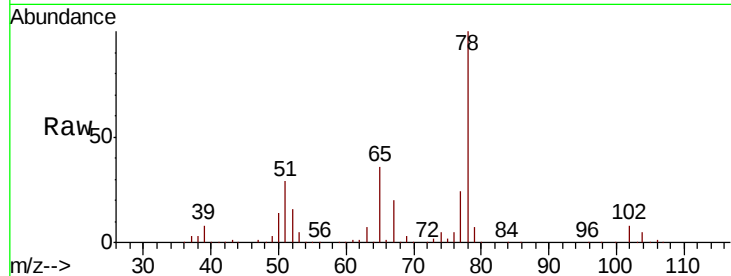
#33
 1,2-Dichloroethane-d4
 Concen: 47.75 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.7	0.0	109.8	

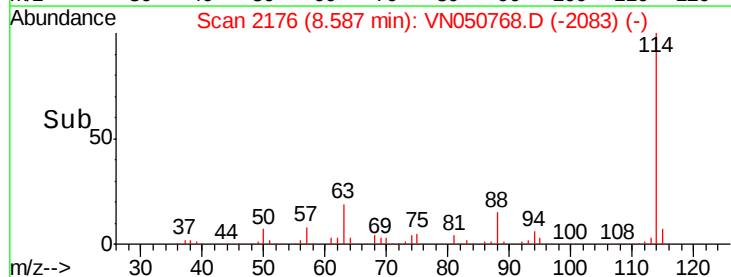
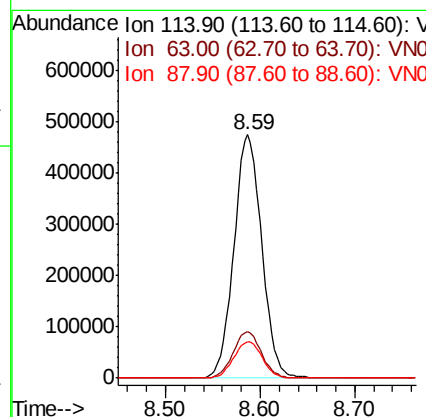
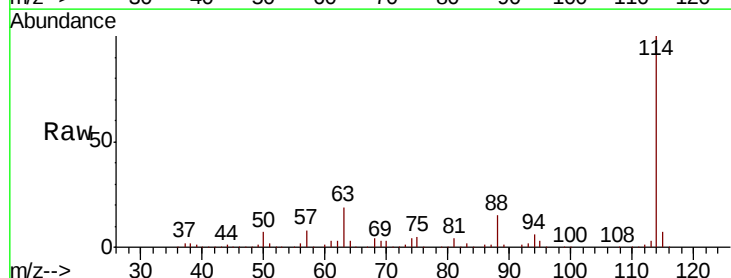
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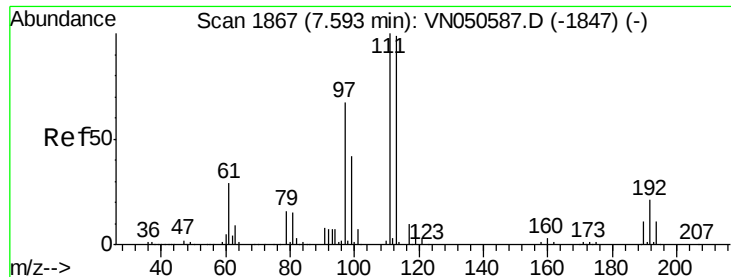
MMDadoda
 8/21/2018 2:13:09 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.2	0.0	40.0	
88	15.1	0.0	30.8	





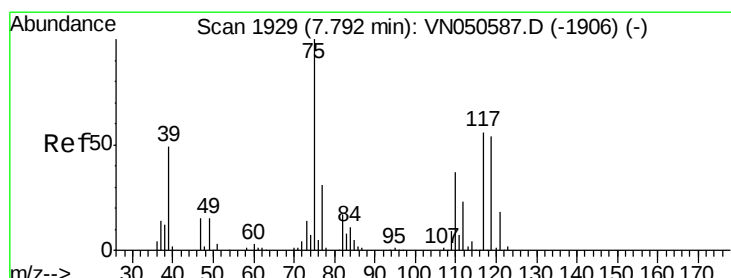
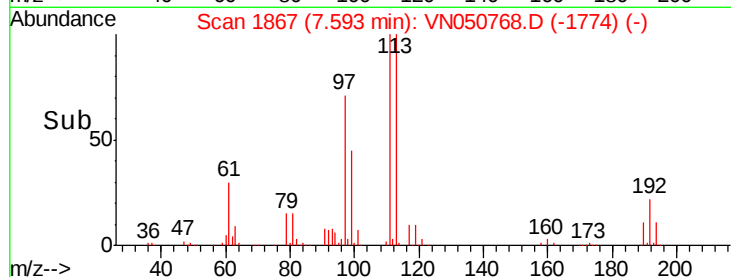
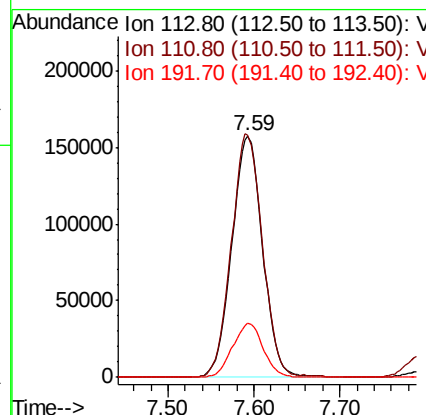
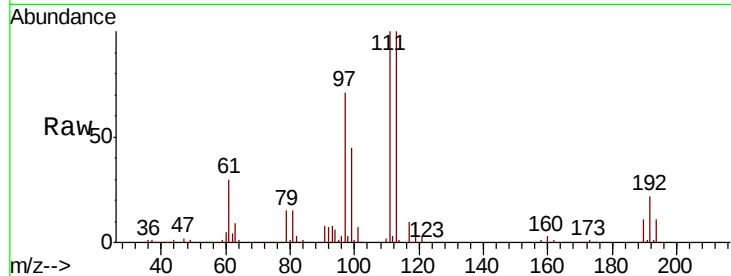
#35
 Dibromofluoromethane
 Concen: 50.54 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.4	81.0	121.6	
192	22.3	17.6	26.4	

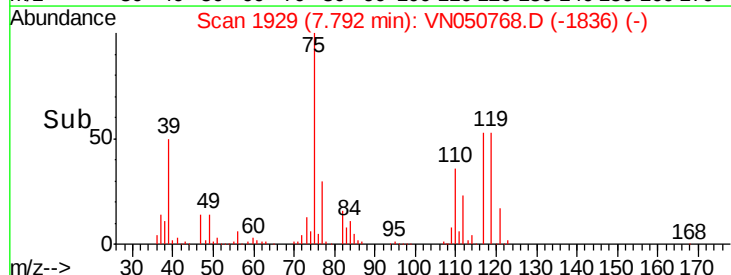
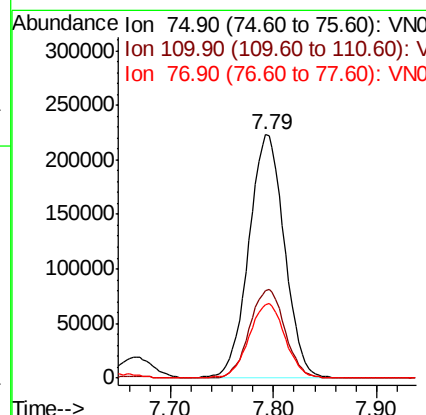
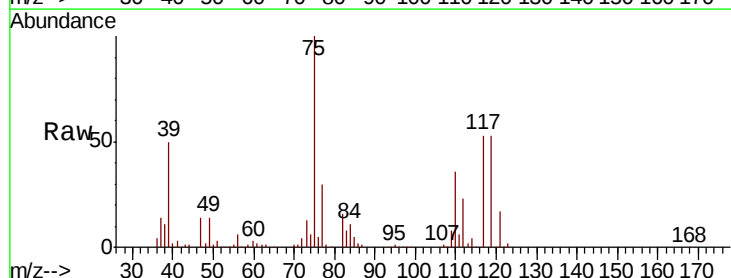
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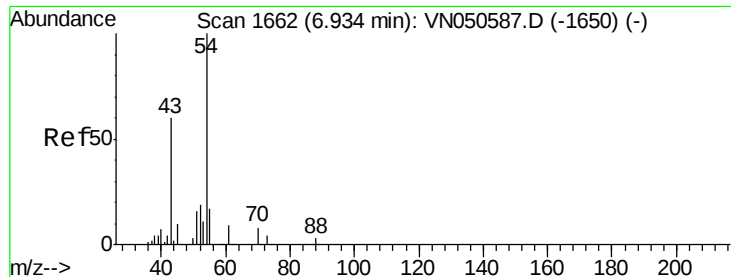
MMDadoda
 8/21/2018 2:13:09 PM



#36
 1,1-Dichloropropene
 Concen: 49.29 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.4	18.3	54.9	
77	31.2	25.0	37.4	





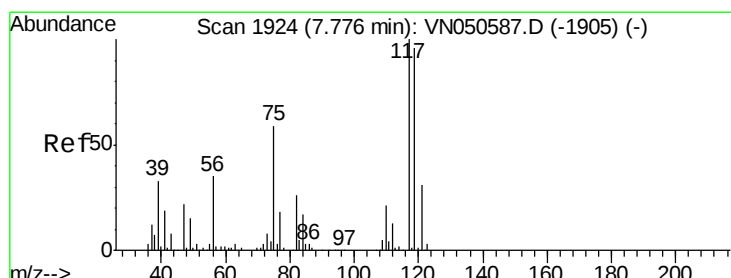
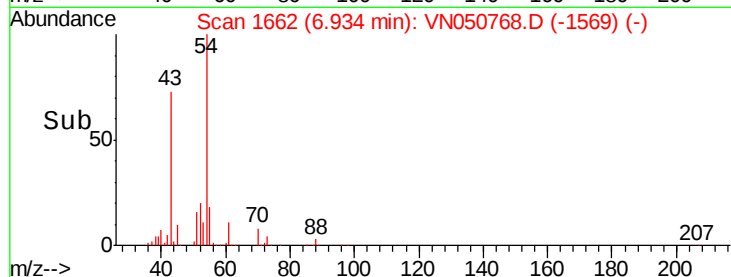
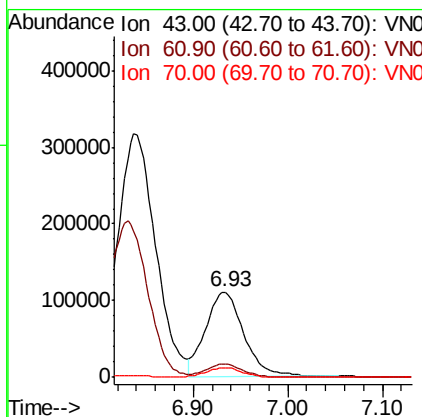
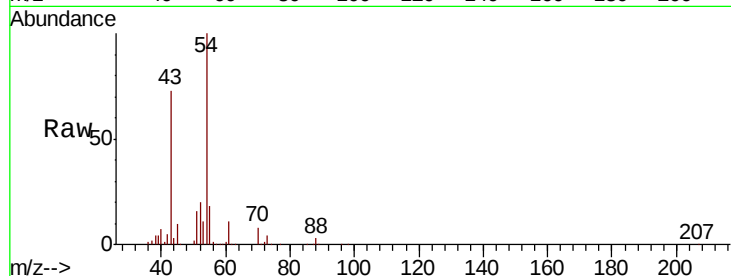
#37
Ethyl Acetate
Concen: 50.83 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.0	18.0
70	10.7	8.5	12.7

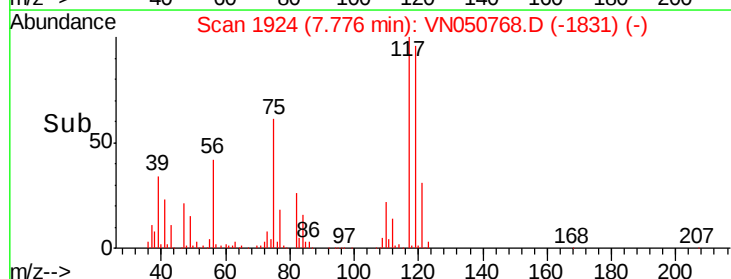
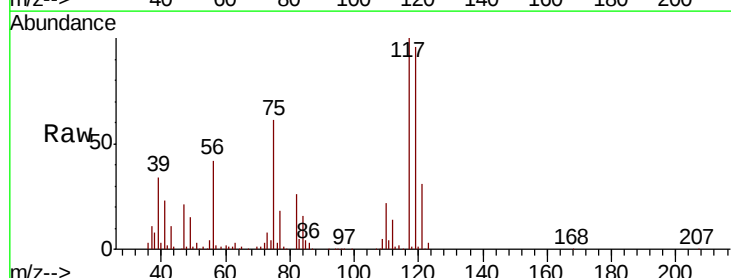
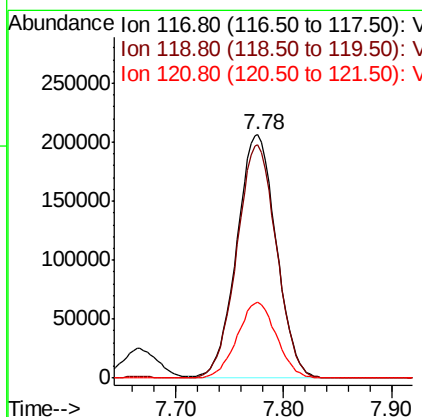
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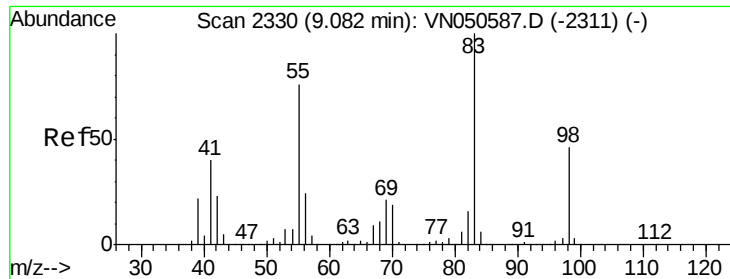
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#38
Carbon Tetrachloride
Concen: 46.87 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.6	115.0
121	31.2	25.0	37.6





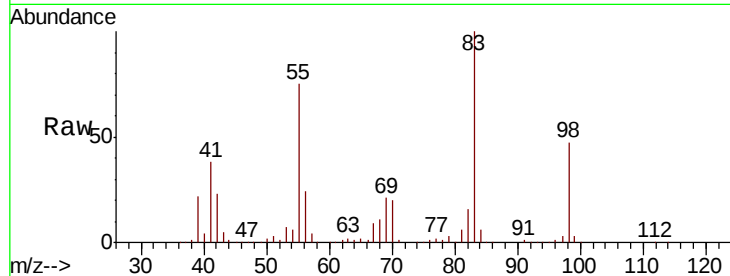
#39
Methvlcvclohexane
Concen: 51.51 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	575544
Ion Ratio	100	Lower	Upper
83	100		
55	75.3	60.6	91.0
98	46.6	37.0	55.4

Manual Integrations
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8/21/2018 2:13:09 PM

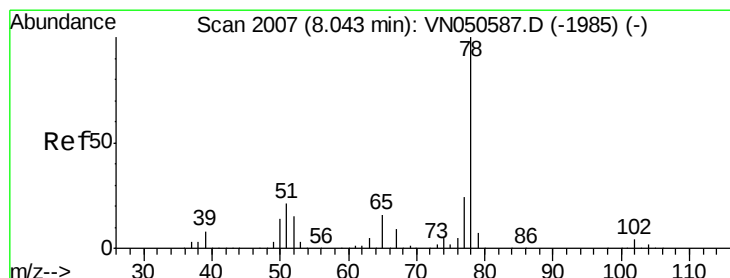
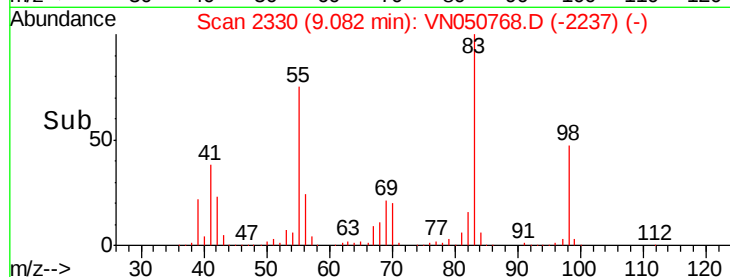
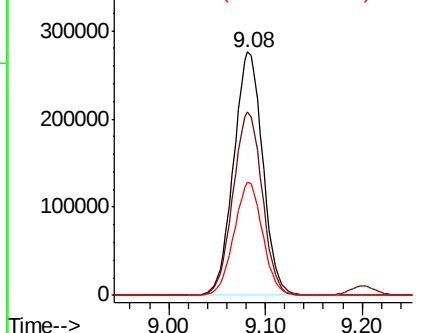


Abundance

Ion 83.00 (82.70 to 83.70): VN0

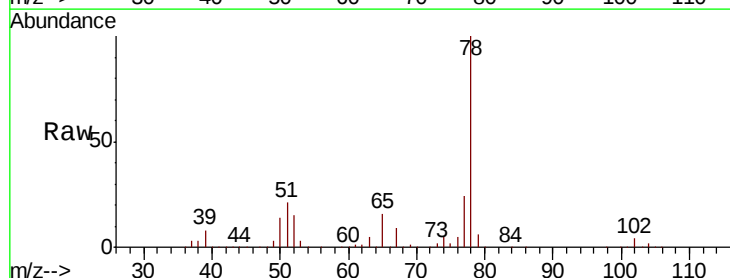
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 49.01 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

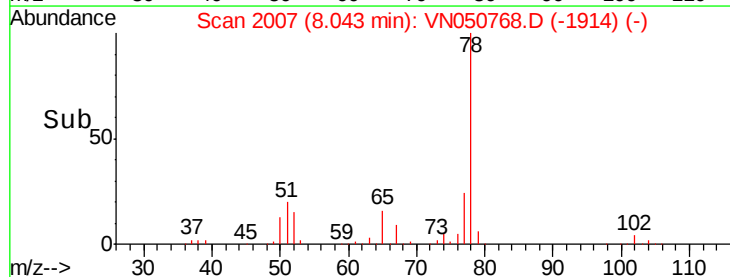
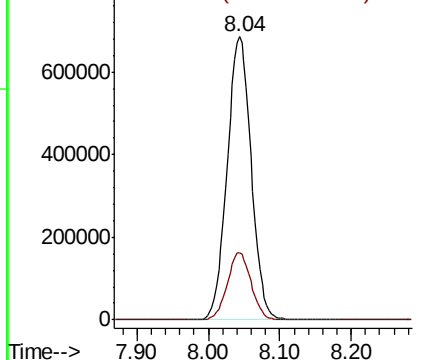
Tgt Ion	78.00	Resp	1608917
Ion Ratio	100	Lower	Upper
78	100		
77	23.9	19.0	28.6

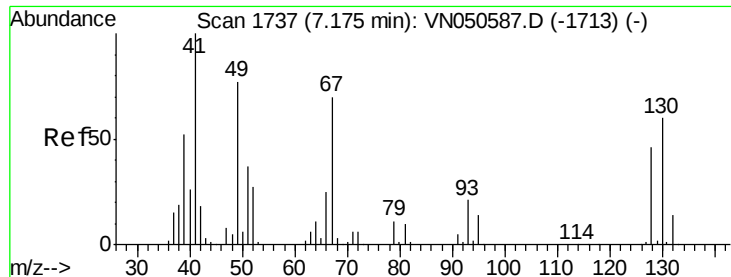


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





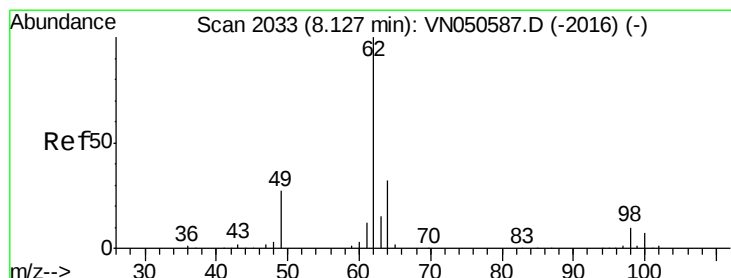
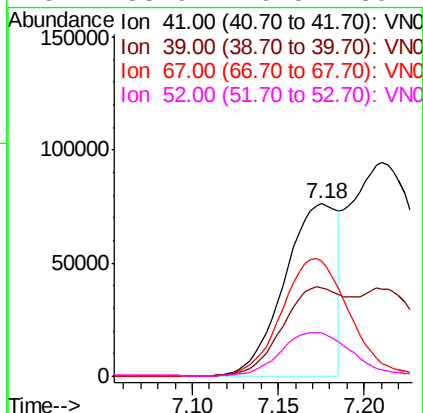
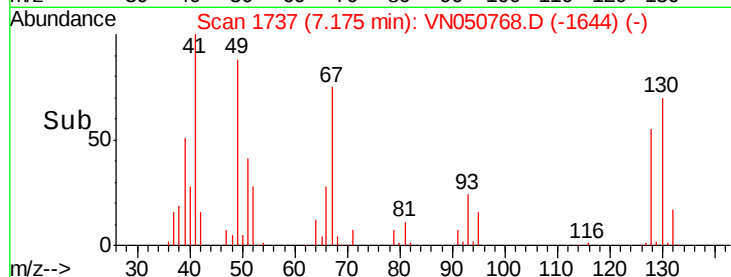
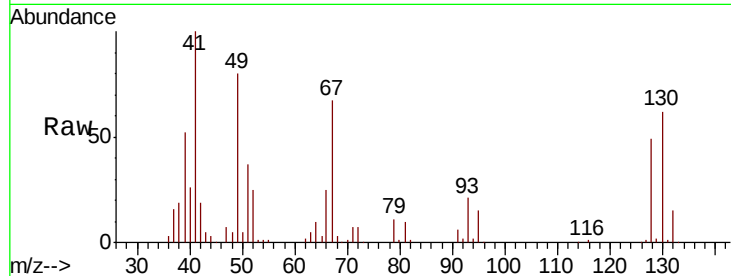
#41
Methacrylonitrile
Concen: 49.42 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.4	44.6	66.8
67	88.4	66.7	100.1
52	33.9	26.5	39.7

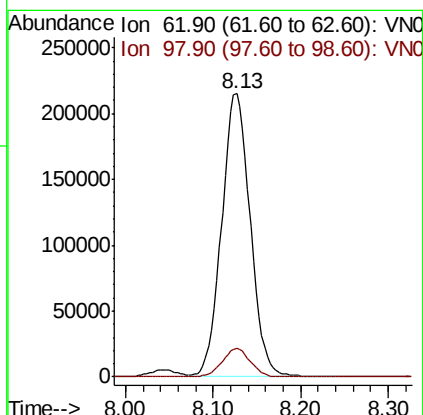
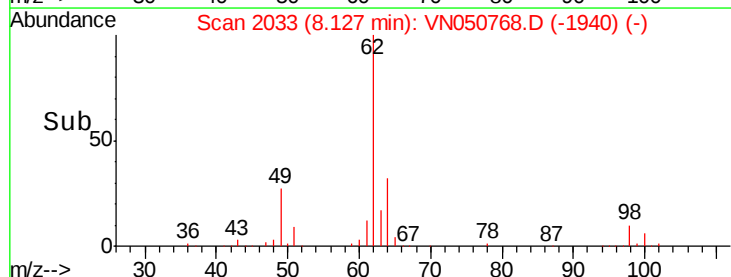
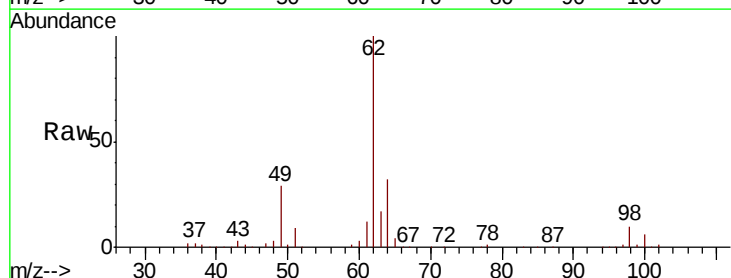
Manual Integrations
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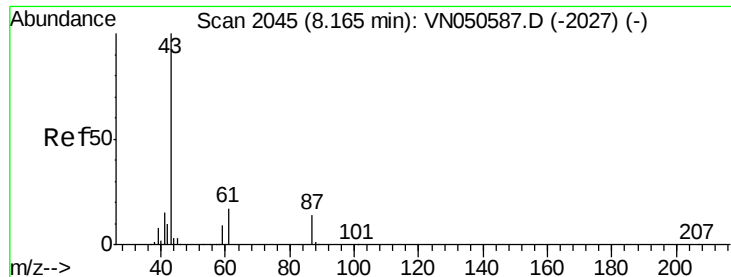
MMDadoda
8/21/2018 2:13:09 PM



#42
1,2-Dichloroethane
Concen: 48.42 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4





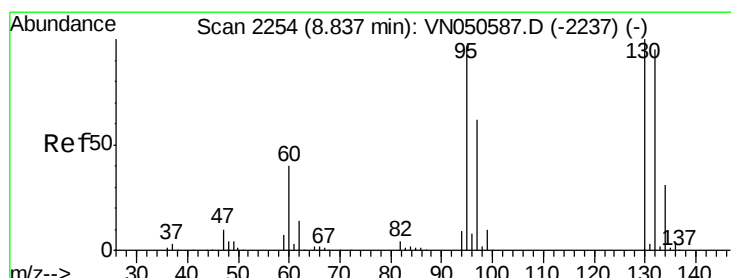
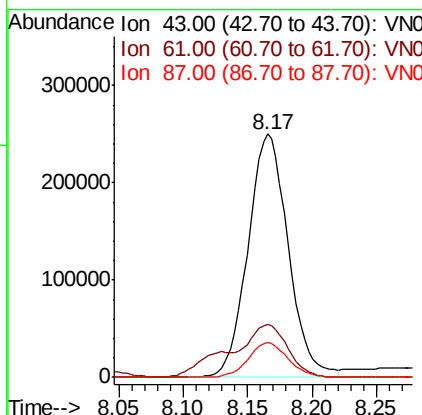
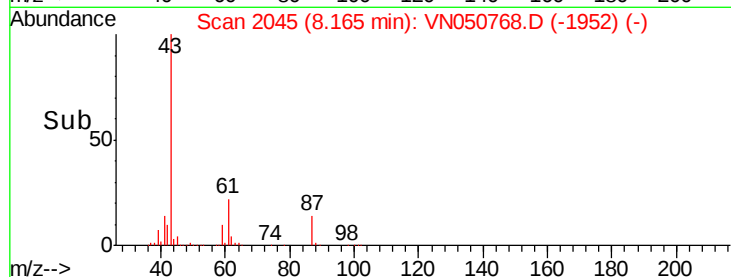
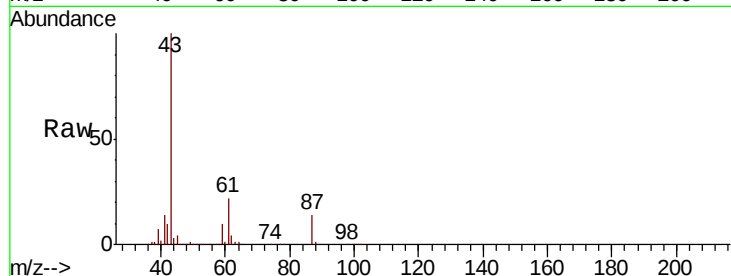
#43
Isopropyl Acetate
Concen: 48.88 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.2	24.2
87	14.0	10.9	16.3

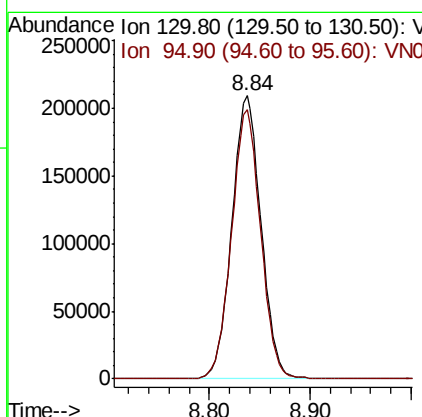
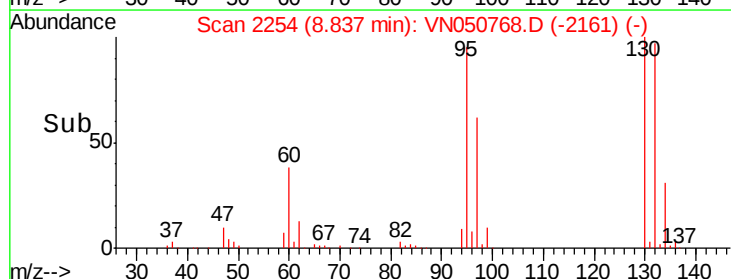
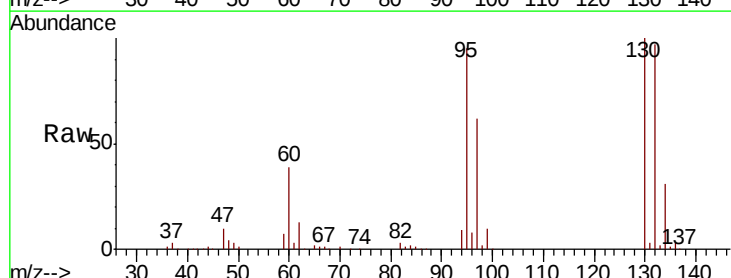
Manual Integrations
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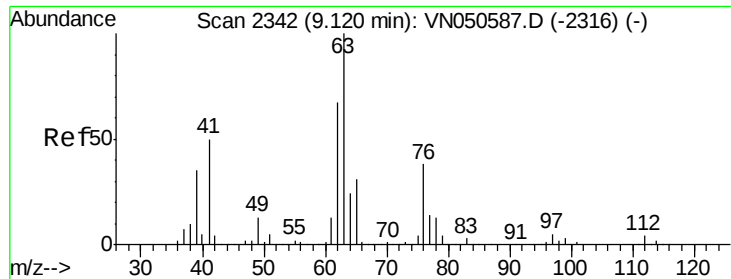
MMDadoda
8/21/2018 2:13:09 PM



#44
Trichloroethene
Concen: 47.93 ug/l
RT: 8.84 min Scan# 2254
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	193.8





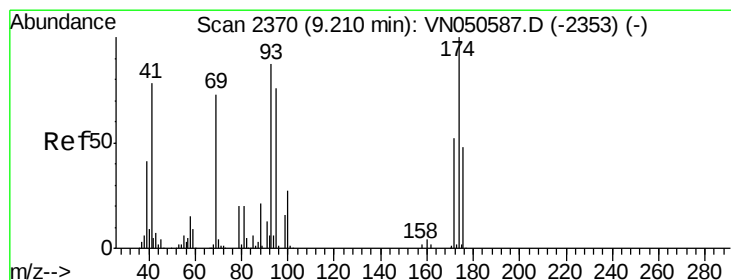
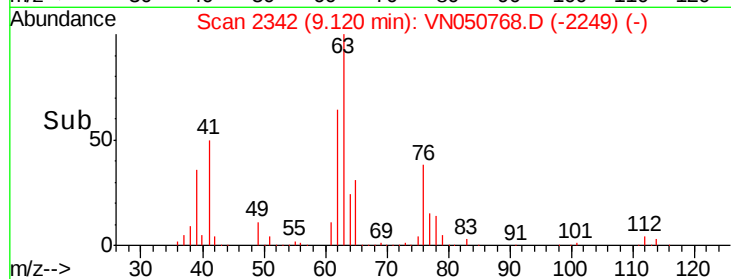
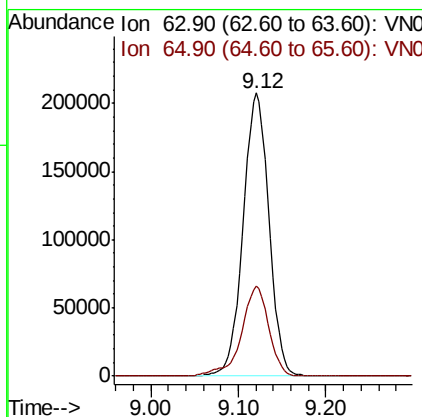
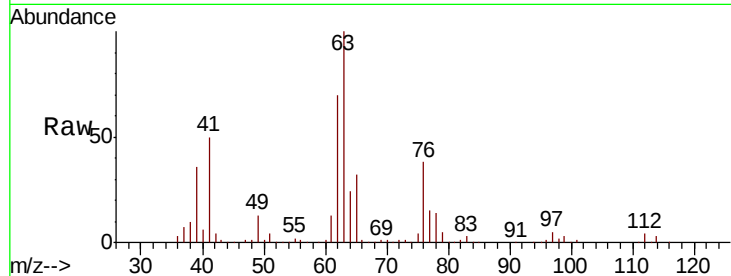
#45
 1,2-Dichloropropane
 Concen: 48.60 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.5	36.7

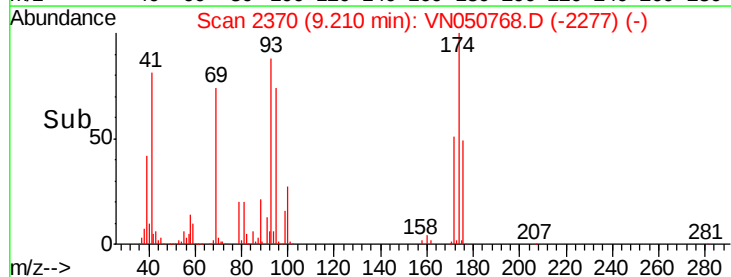
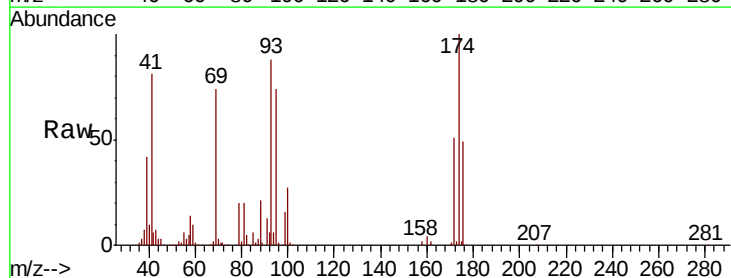
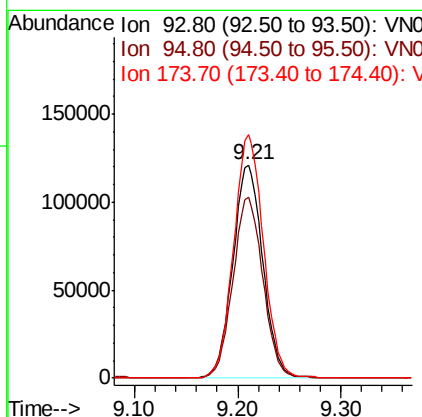
Manual Integrations
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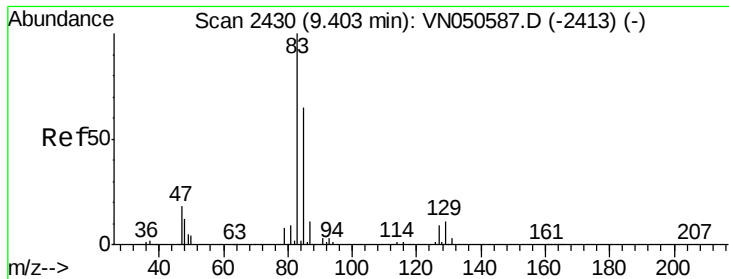
MMDadoda
 8/21/2018 2:13:09 PM



#46
 Dibromomethane
 Concen: 47.71 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	69.1	103.7
174	113.2	91.0	136.6





#47

Bromodichloromethane

Concen: 48.13 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

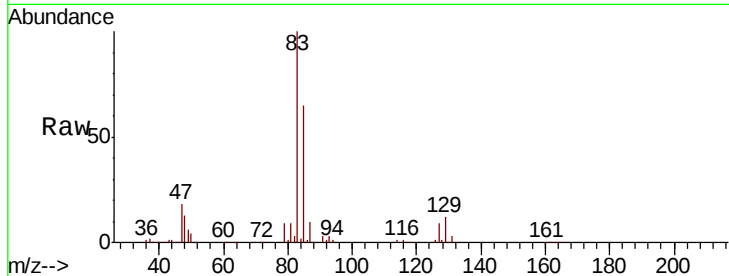
ClientSampleId :

VSTDCCC050

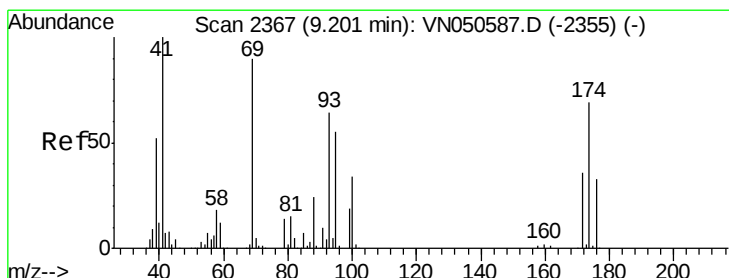
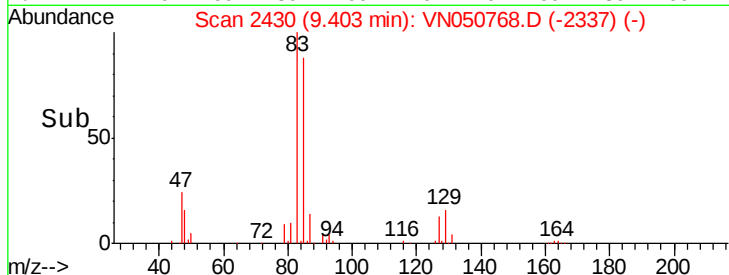
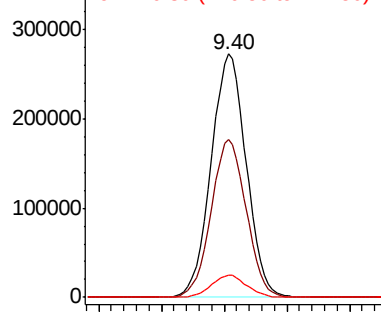
Tot Ion:	83	Resp:	530904
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.6
127	9.3	7.2	10.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN050768.D (-2413) (-)



#48

Methyl methacrylate

Concen: 49.17 ug/l

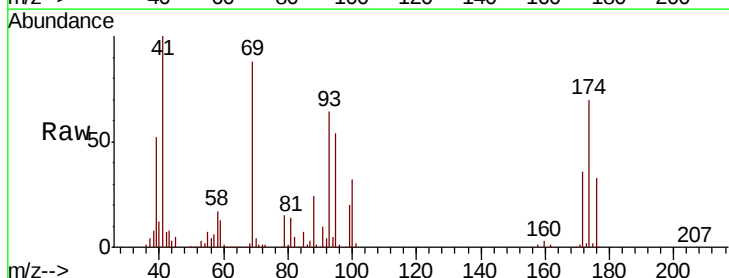
RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

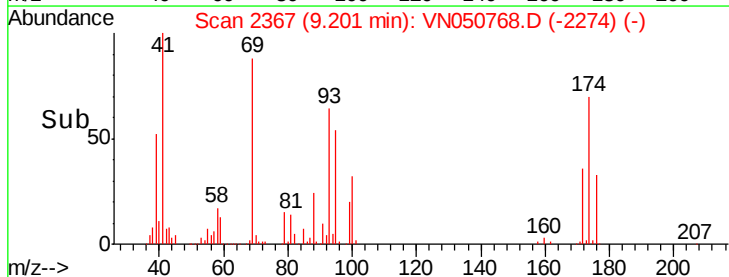
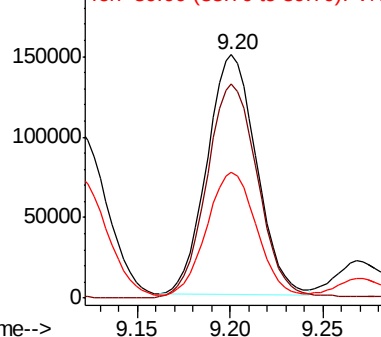
Lab File: VN050768.D

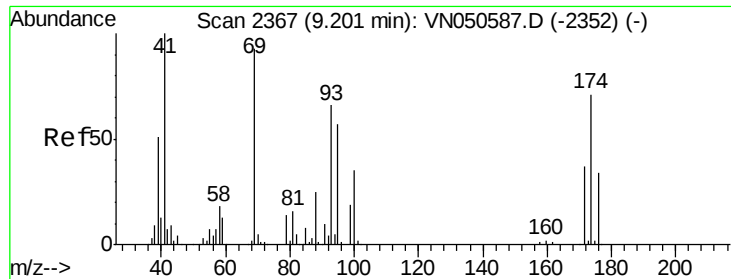
Acq: 20 Aug 2018 12:33

Tgt Ion:	41	Resp:	275072
Ion	Ratio	Lower	Upper
41	100		
69	93.0	73.4	110.0
39	53.7	43.0	64.6



Abundance Ion 41.00 (40.70 to 41.70): VN050768.D (-2367) (-)





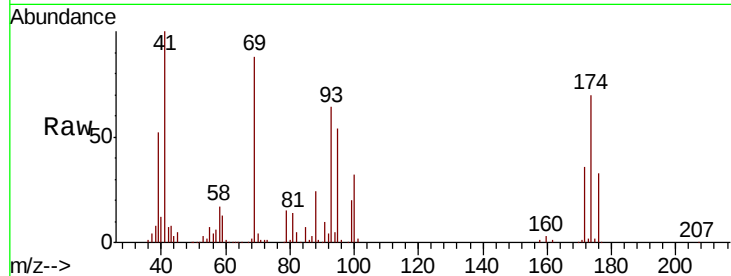
#49
1,4-Dioxane
Concen: 1017.06 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	25.9	38.9
58	70.9	56.5	84.7

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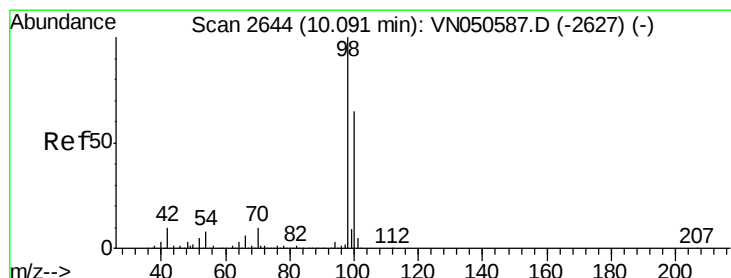
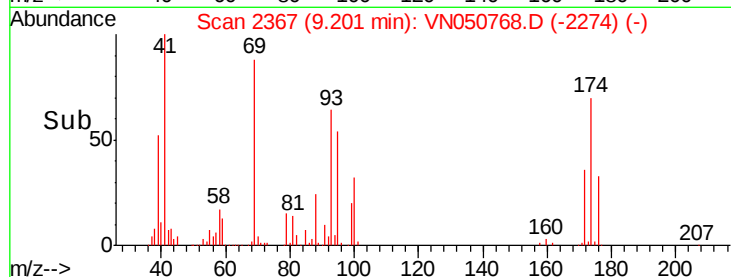
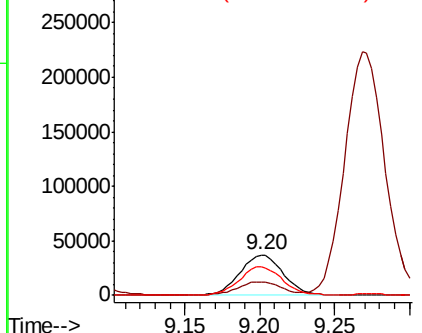


Abundance

Ion 88.00 (87.70 to 88.70): VN050768.D (-2352) (-)

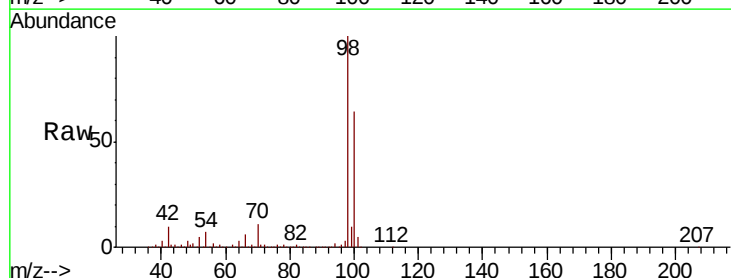
Ion 43.00 (42.70 to 43.70): VN050768.D (-2352) (-)

Ion 58.00 (57.70 to 58.70): VN050768.D (-2352) (-)



#50
Toluene-d8
Concen: 51.08 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

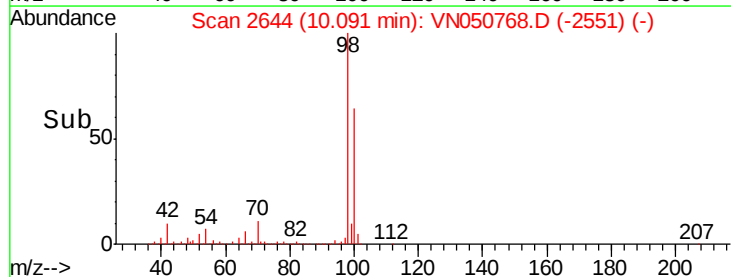
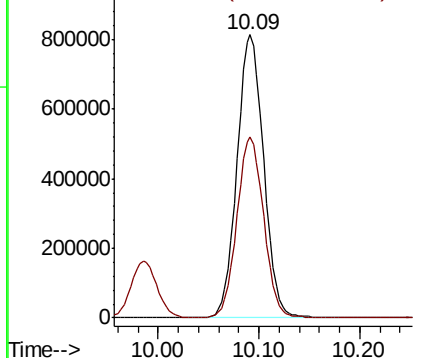
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.8	77.8

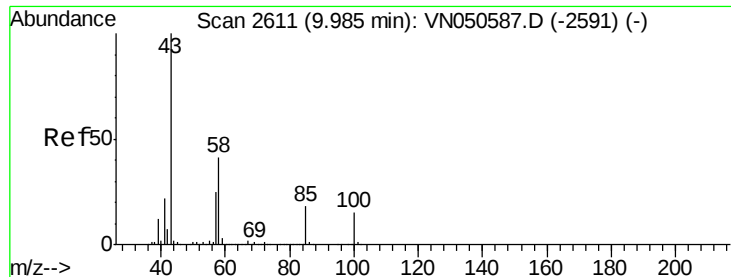


Abundance

Ion 98.00 (97.70 to 98.70): VN050768.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050768.D (-2627) (-)





#51

4-Methyl-2-Pentanone

Concen: 260.45 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1958217

Ion Ratio Lower Upper

43 100

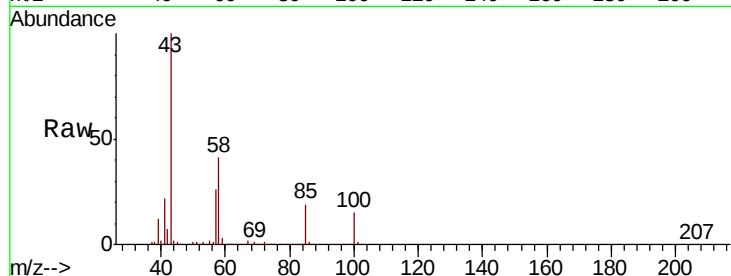
58 40.6 32.5 48.7

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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

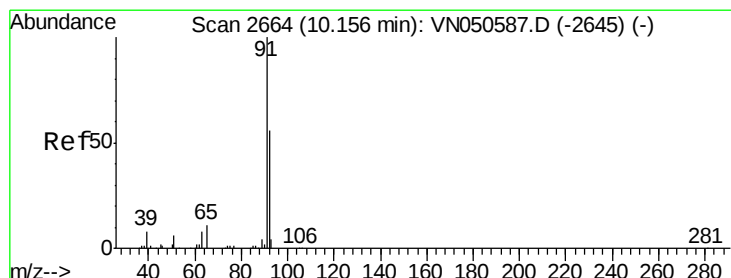
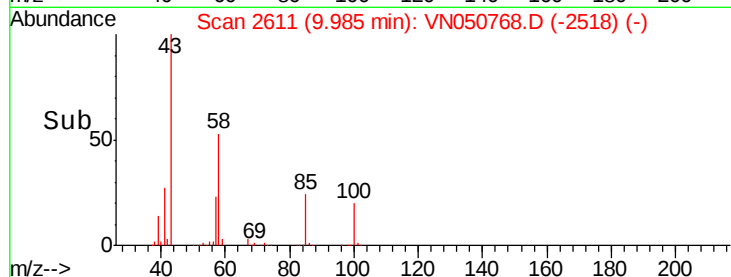
400000

200000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 50.90 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050768.D

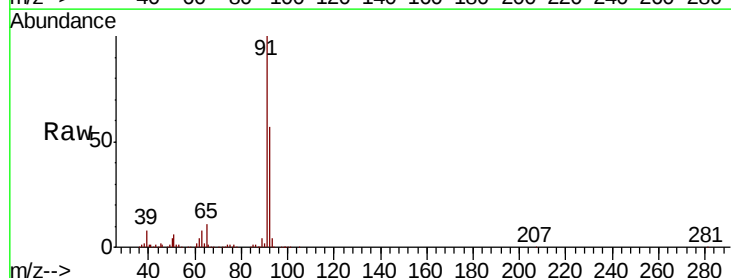
Acq: 20 Aug 2018 12:33

Tgt Ion: 92 Resp: 997788

Ion Ratio Lower Upper

92 100

91 175.3 141.9 212.9



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

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

1000000

800000

600000

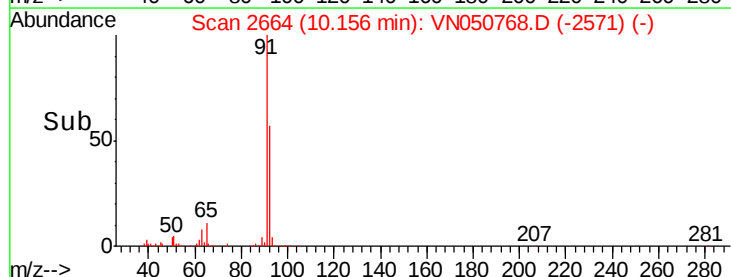
400000

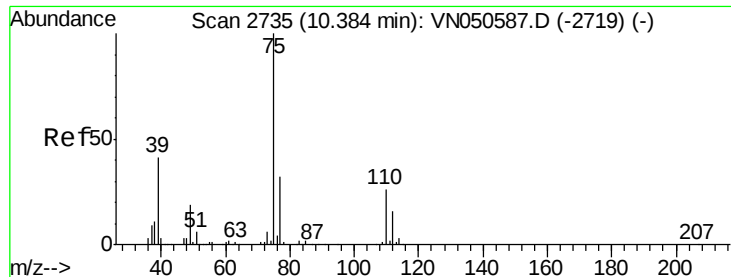
200000

0

10.10 10.16 10.20 10.30

Time-->





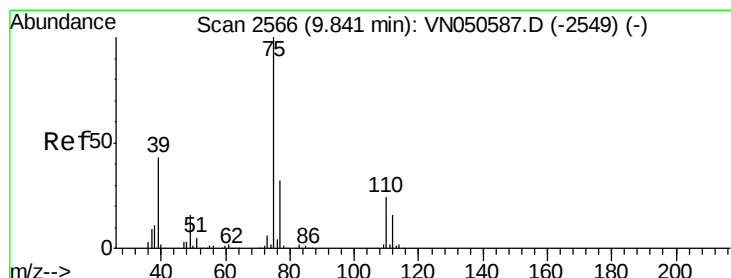
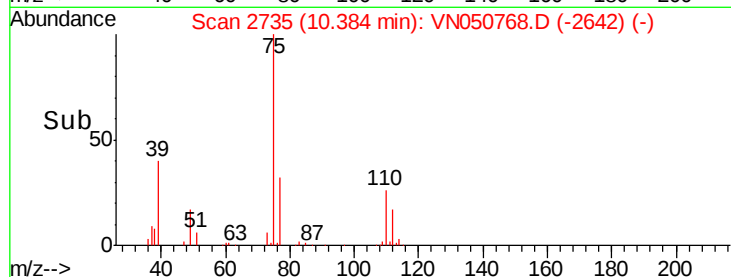
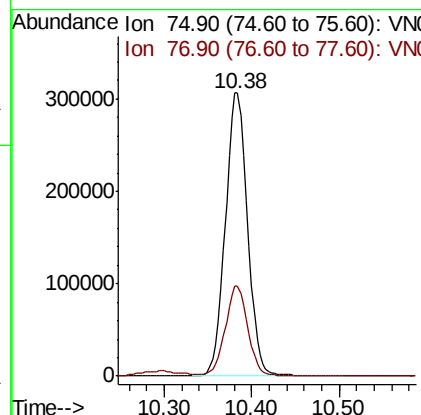
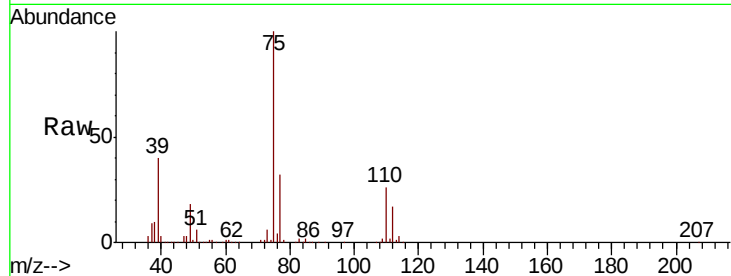
#53
t-1,3-Dichloropropene
Concen: 52.52 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.6

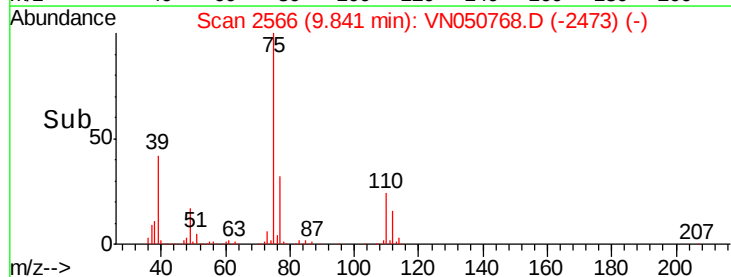
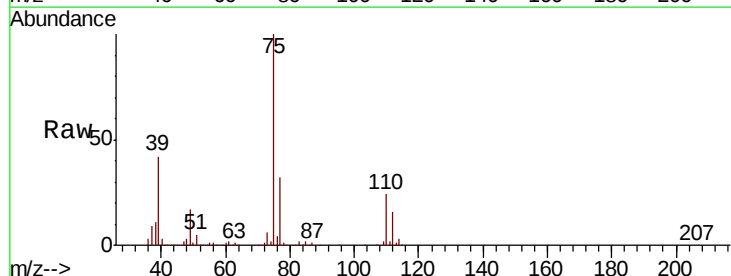
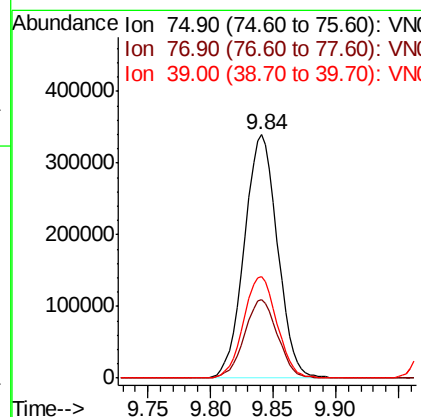
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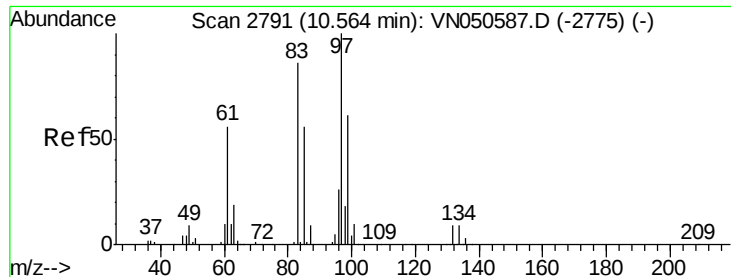
MMDadoda
8/21/2018 2:13:09 PM



#54
cis-1,3-Dichloropropene
Concen: 53.13 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.6	38.4
39	41.5	34.4	51.6





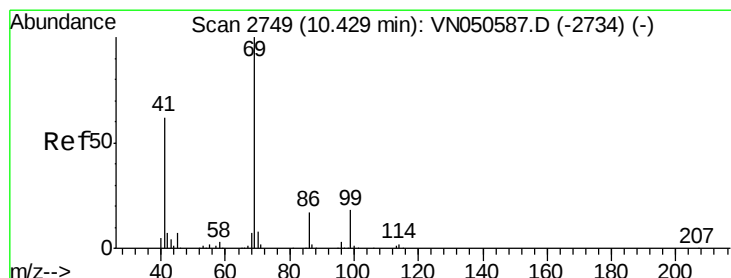
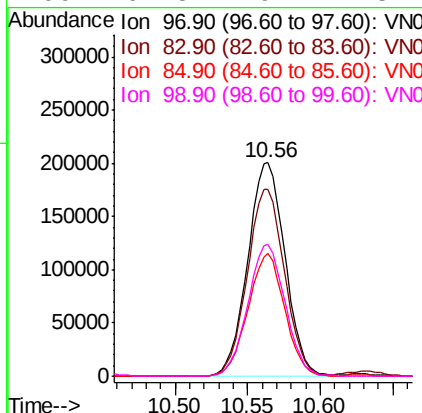
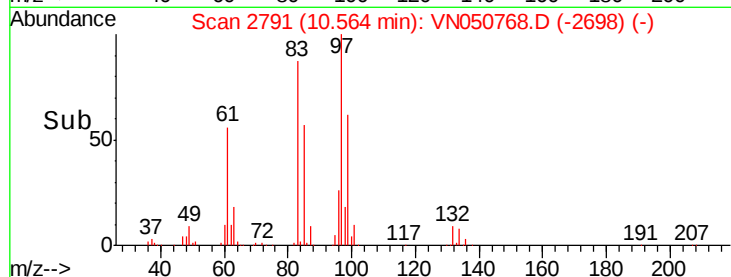
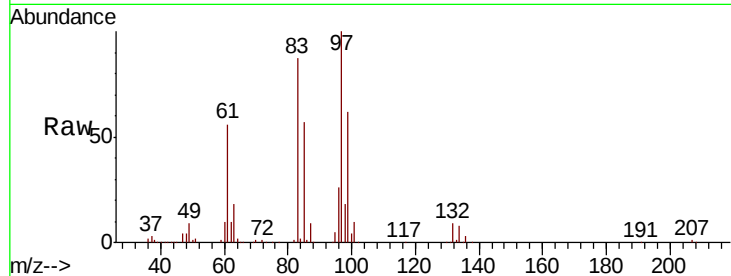
#55
 1,1,2-Trichloroethane
 Concen: 49.19 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		360190		
83	87.3	68.5	102.7		
85	57.3	44.6	66.8		
99	61.8	49.1	73.7		

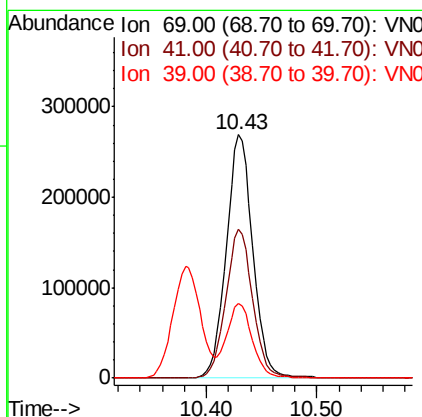
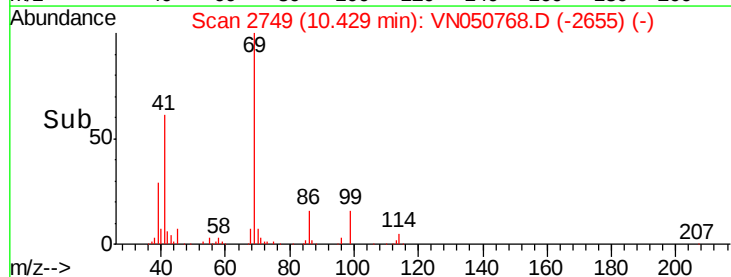
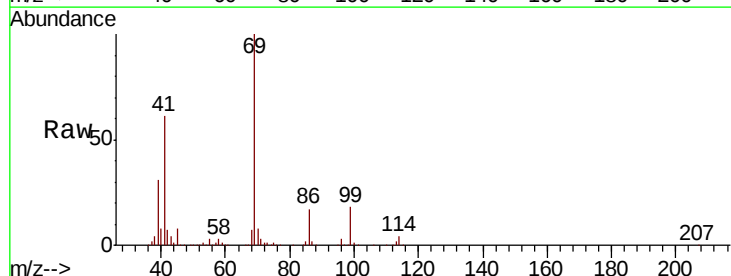
Manual Integrations
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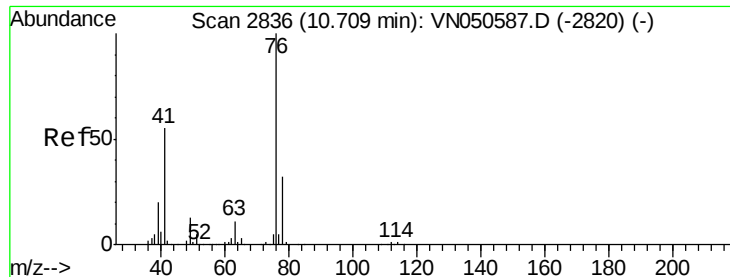
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 8/21/2018 2:13:09 PM



#56
 Ethyl methacrylate
 Concen: 48.10 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		448612		
41	61.2	49.7	74.5		
39	29.3	24.2	36.2		





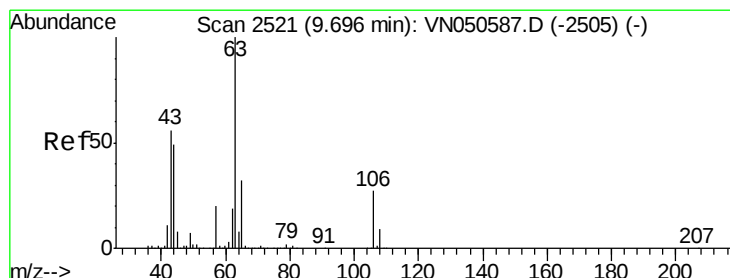
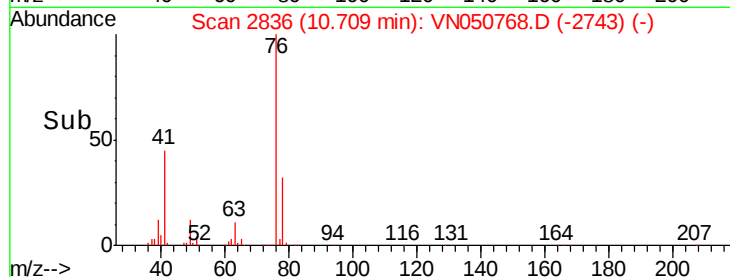
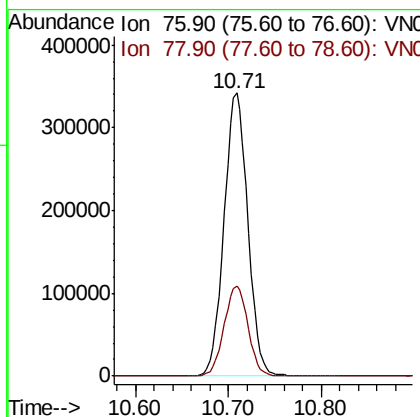
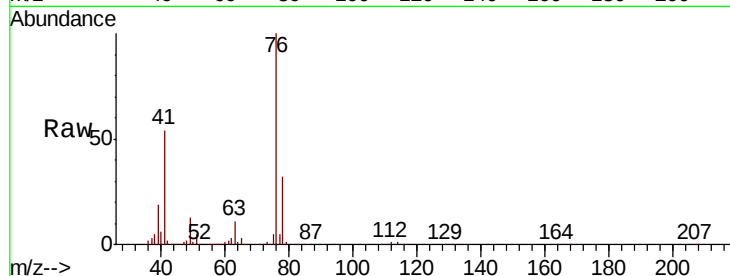
#57
 1,3-Dichloropropane
 Concen: 50.53 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

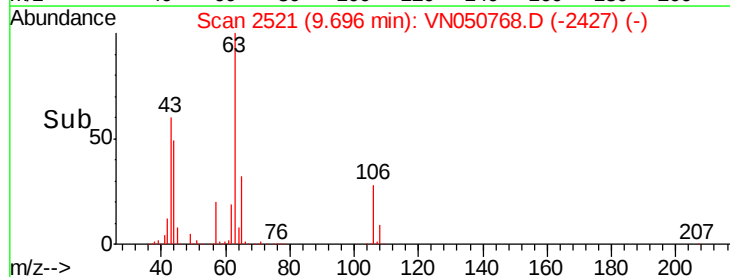
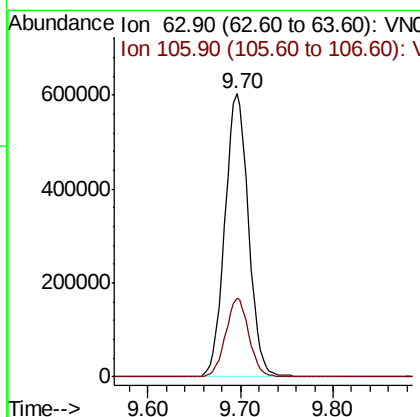
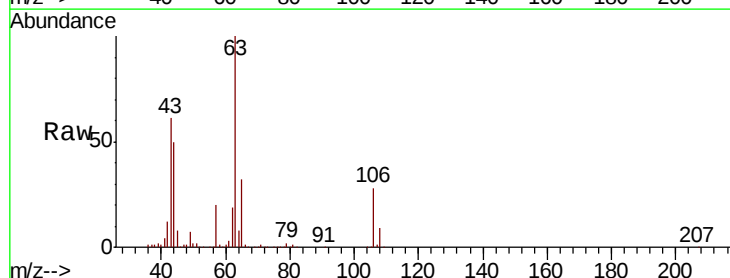
Manual Integrations
 APPROVED

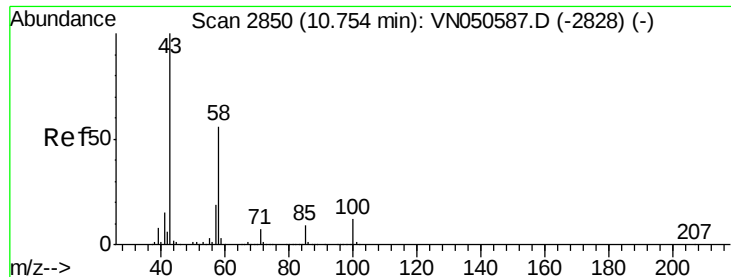
MMDadoda
 8/21/2018 2:13:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.33 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.7	32.5





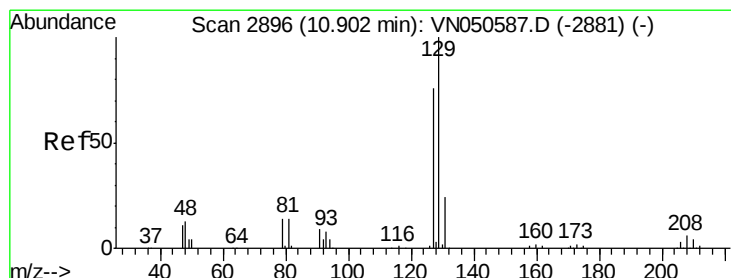
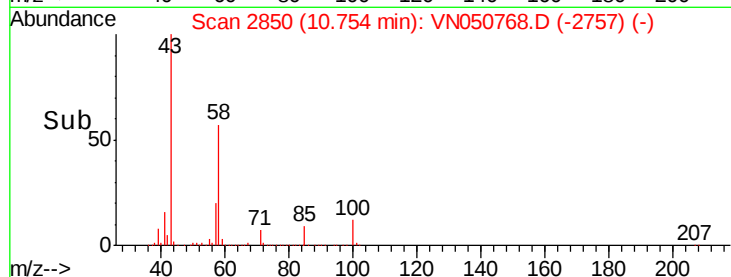
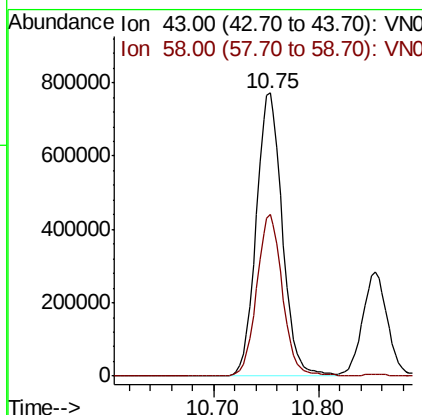
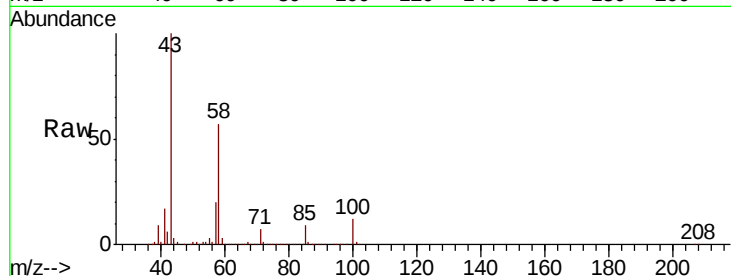
#59
2-Hexanone
Concen: 274.60 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1332534
Ion Ratio Lower Upper
43 100
58 56.6 28.0 84.0

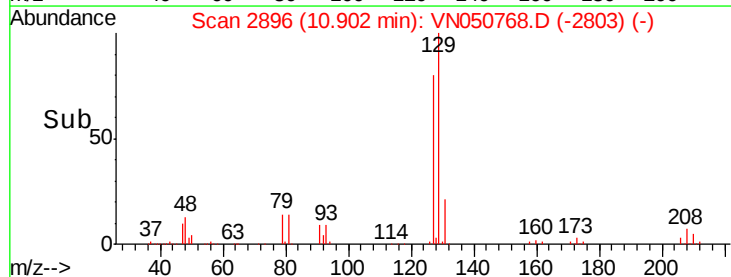
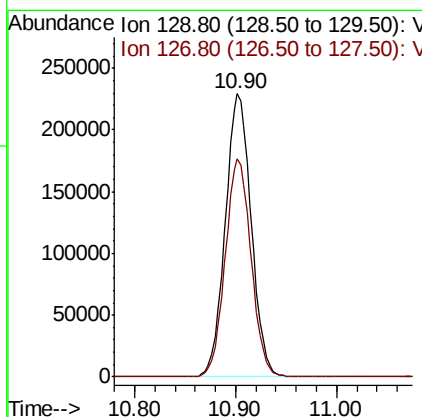
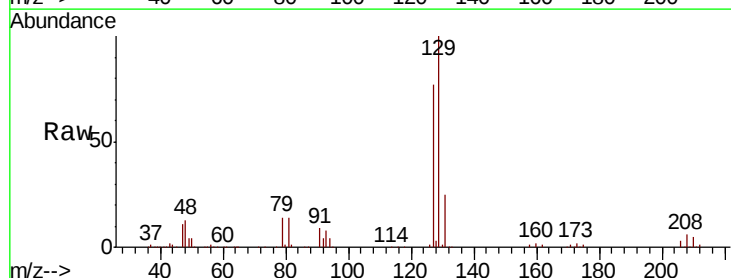
Manual Integrations
APPROVED

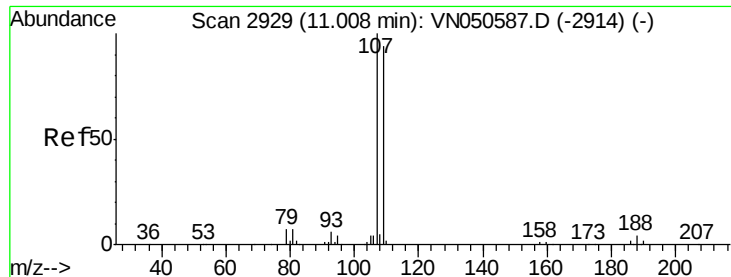
MMDadoda
8/21/2018 2:13:09 PM



#60
Dibromochloromethane
Concen: 50.88 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion: 129 Resp: 411243
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.7





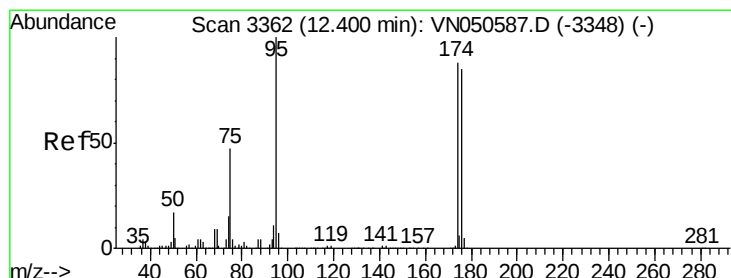
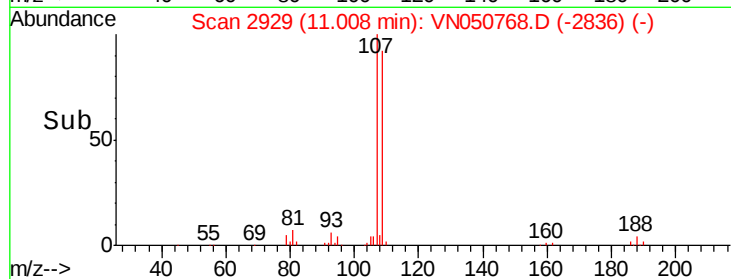
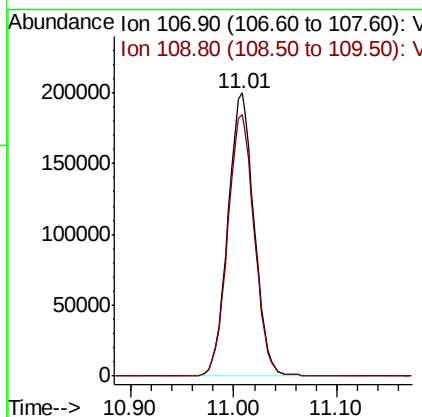
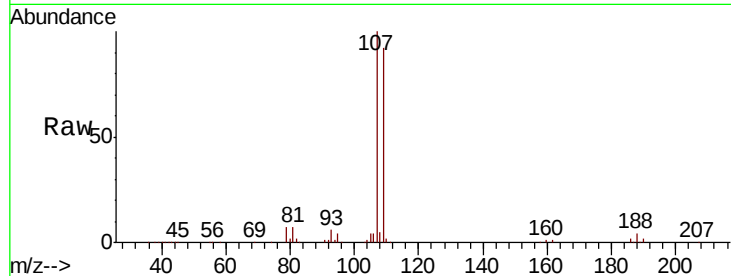
#61
 1,2-Dibromoethane
 Concen: 50.79 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.7	113.5

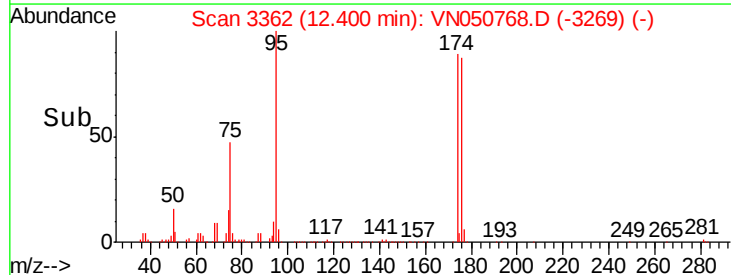
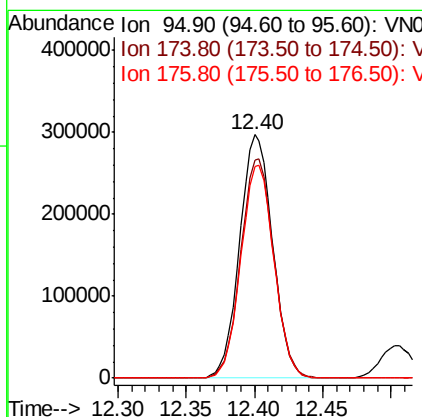
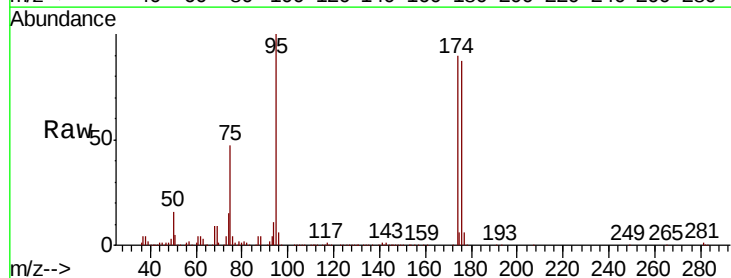
Manual Integrations
 APPROVED

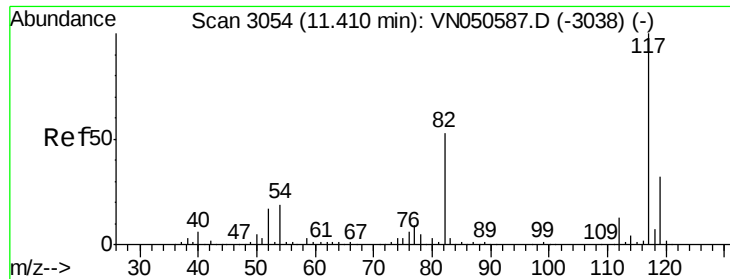
MMDadoda
 8/21/2018 2:13:09 PM



#62
 4-Bromofluorobenzene
 Concen: 51.79 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	177.8
176	87.8	0.0	175.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. -0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

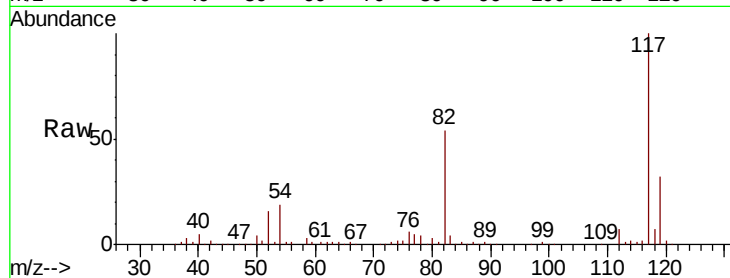
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	902837
Ion Ratio	Lower	Upper	
117	100		
82	53.7	42.4	63.6
119	32.4	25.8	38.8

Manual Integrations
APPROVED

MMDadoda
8/21/2018 2:13:09 PM

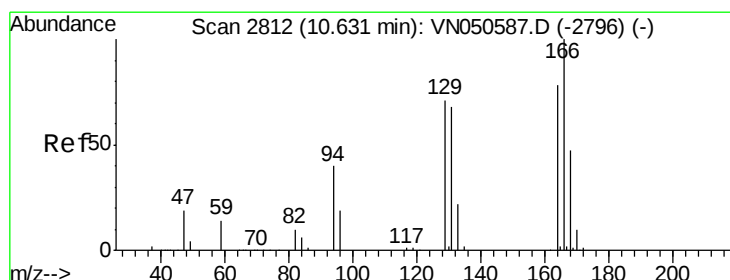
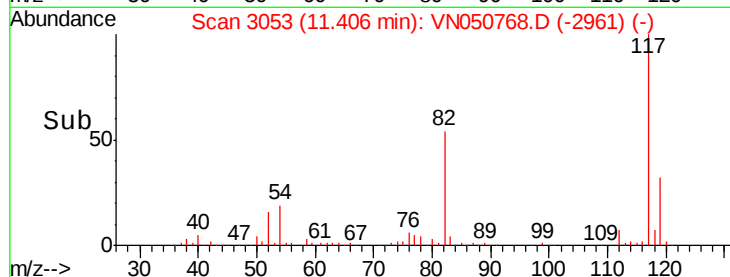
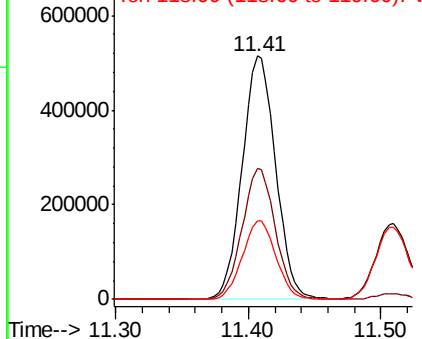


Abundance

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: 45.69 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Tgt Ion:	164	Resp:	383112
Ion Ratio	Lower	Upper	
164	100		
166	126.2	102.1	153.1
129	90.5	72.7	109.1
131	87.2	69.9	104.9

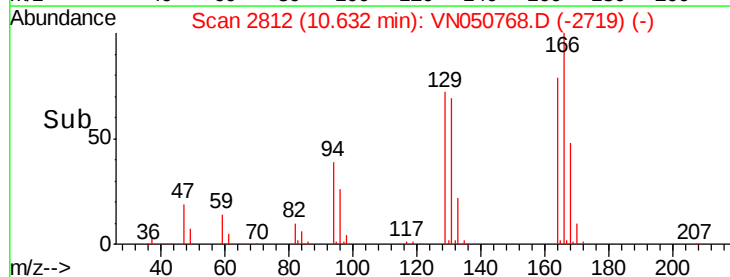
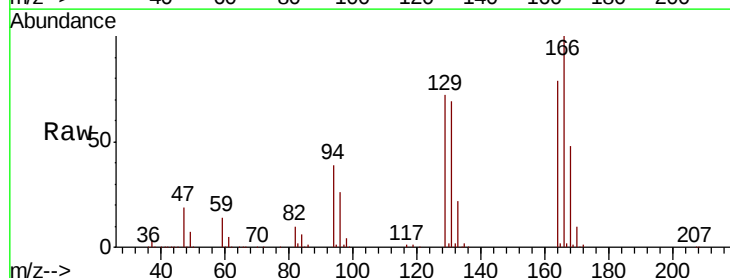
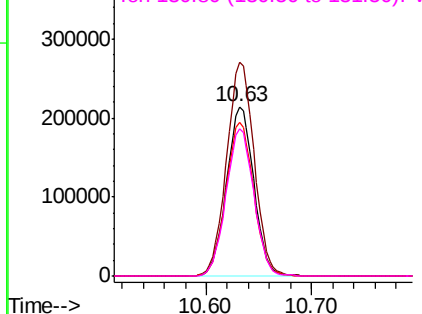
Abundance

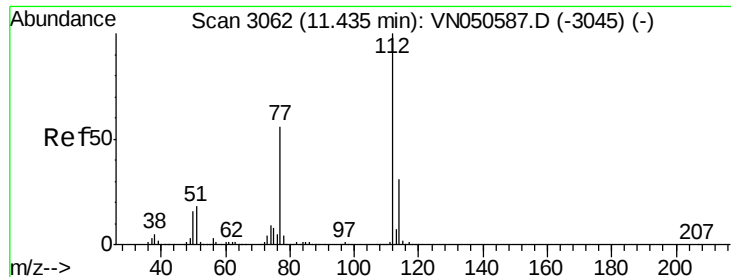
Ion 163.80 (163.50 to 164.50): V

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





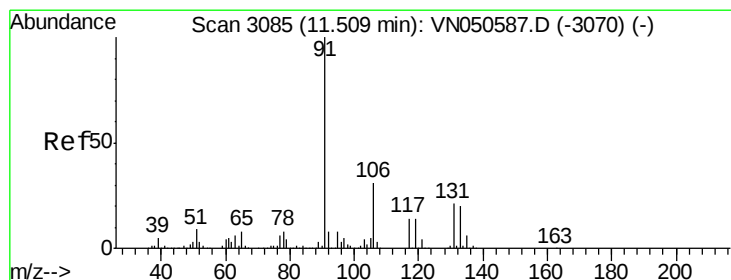
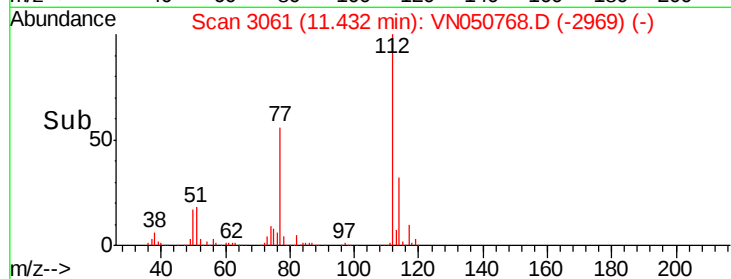
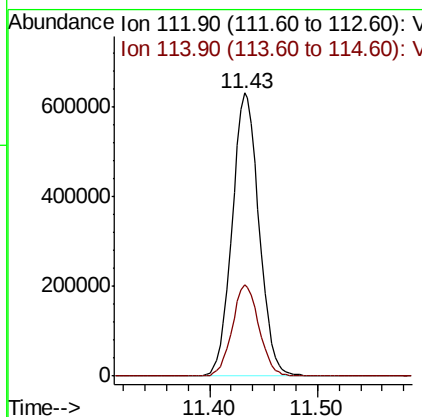
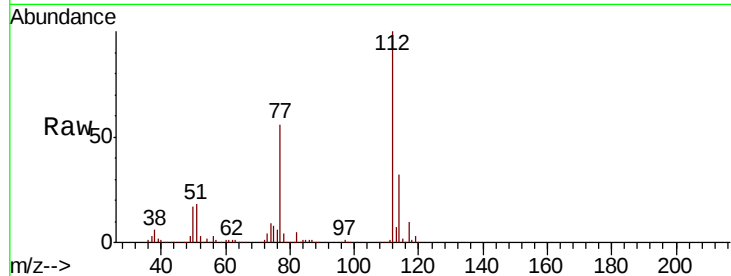
#65
Chlorobenzene
Concen: 48.75 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1095448
Ion Ratio Lower Upper
112 100
114 32.3 25.2 37.8

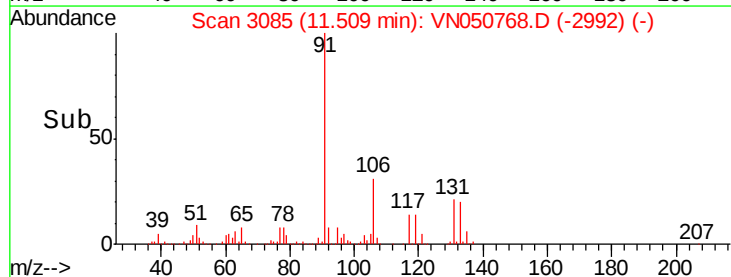
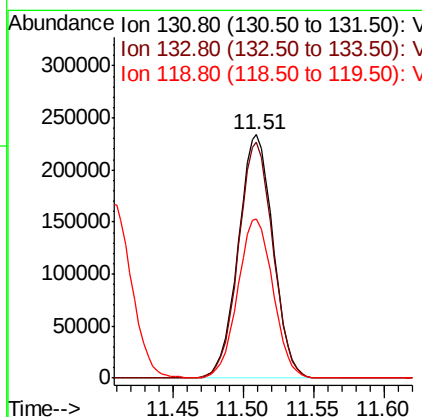
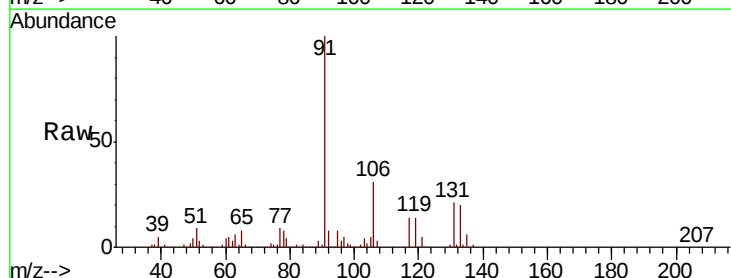
Manual Integrations
APPROVED

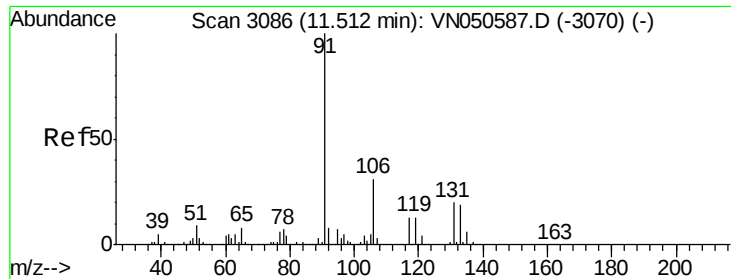
MMDadoda
8/21/2018 2:13:09 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.08 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion:131 Resp: 404950
Ion Ratio Lower Upper
131 100
133 96.2 47.6 142.9
119 66.4 33.1 99.3





#67

Ethyl Benzene

Concen: 51.79 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1879165

Ion Ratio Lower Upper

91 100

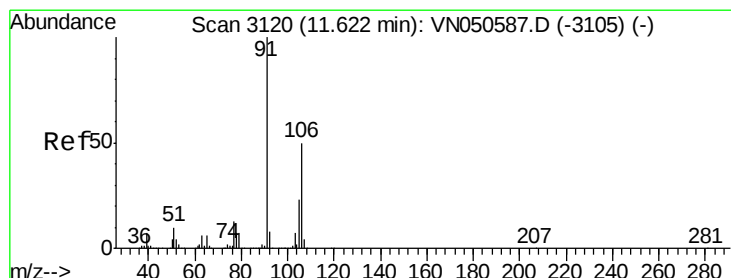
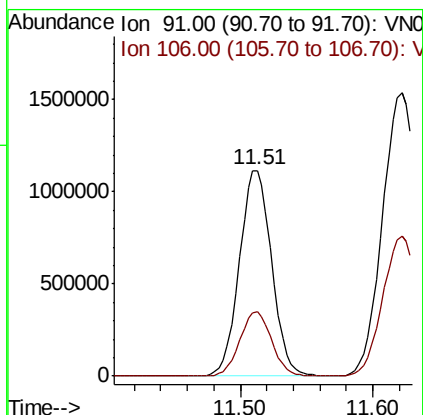
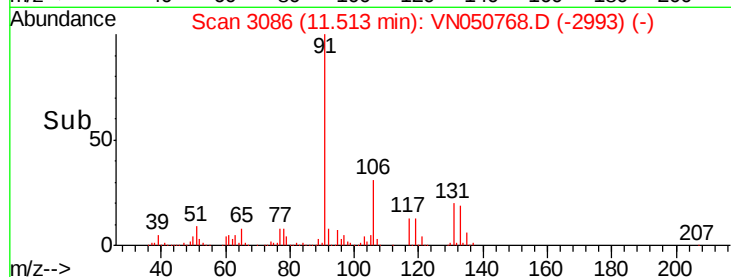
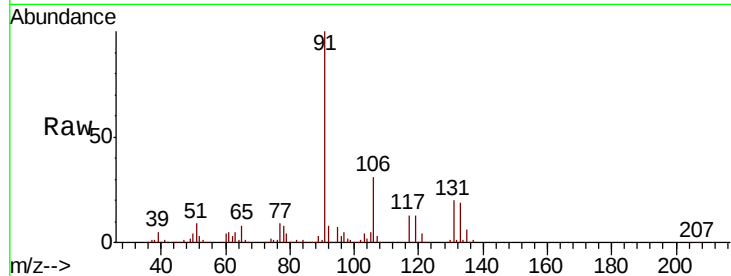
106 31.3 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

8/21/2018 2:13:09 PM



#68

m/p-Xylenes

Concen: 104.77 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050768.D

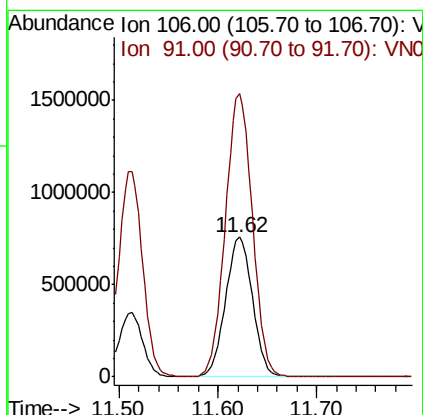
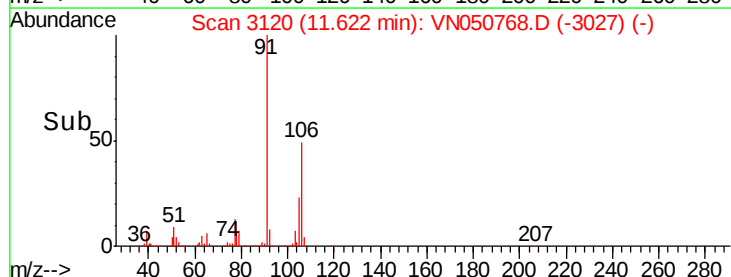
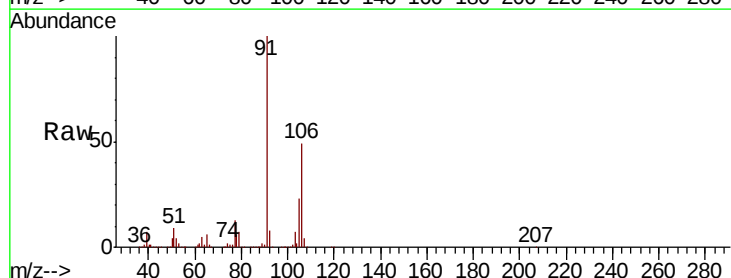
Acq: 20 Aug 2018 12:33

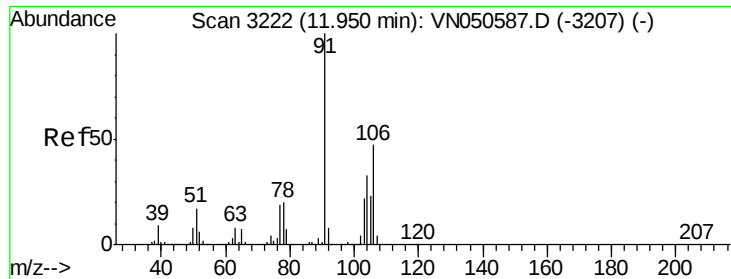
Tgt Ion: 106 Resp: 1453776

Ion Ratio Lower Upper

106 100

91 202.7 161.5 242.3





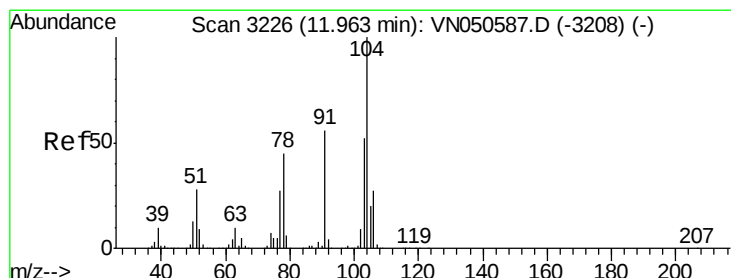
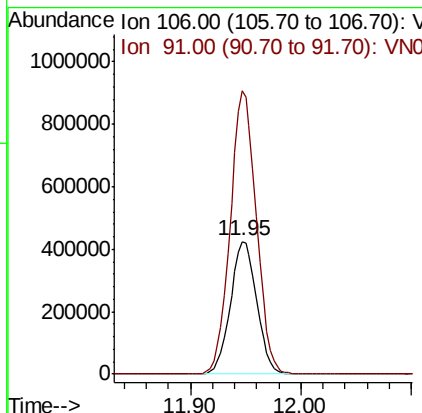
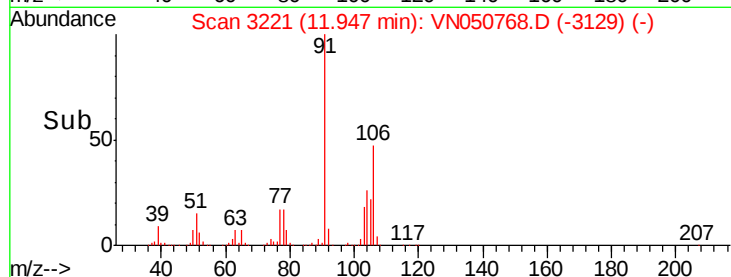
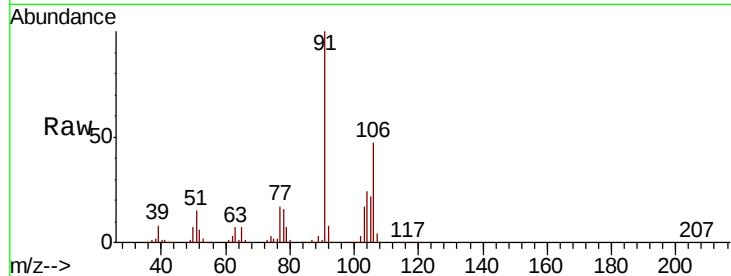
#69
o-Xylene
Concen: 53.01 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 701433
Ion Ratio Lower Upper
106 100
91 211.9 106.8 320.4

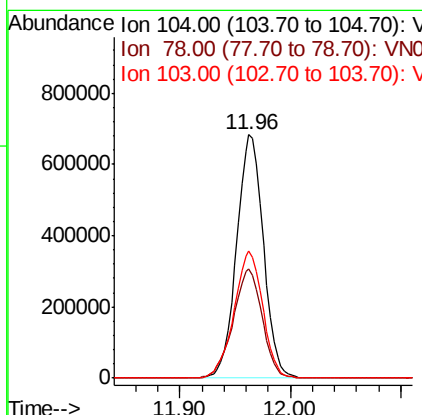
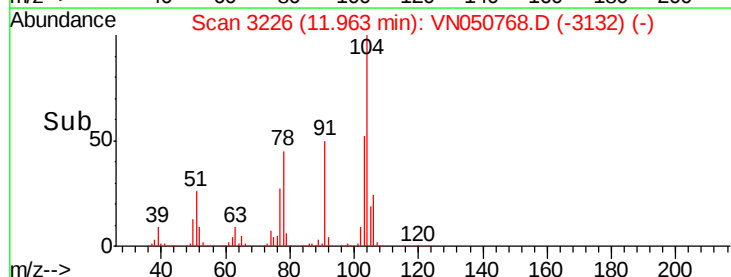
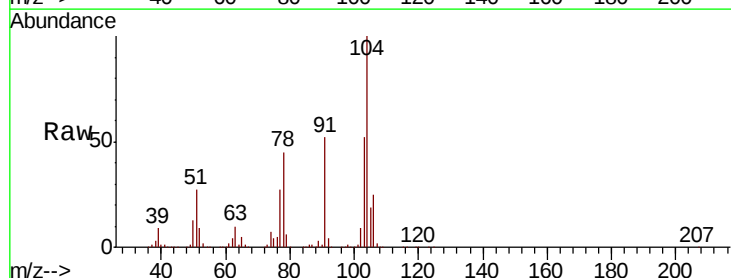
Manual Integrations
APPROVED

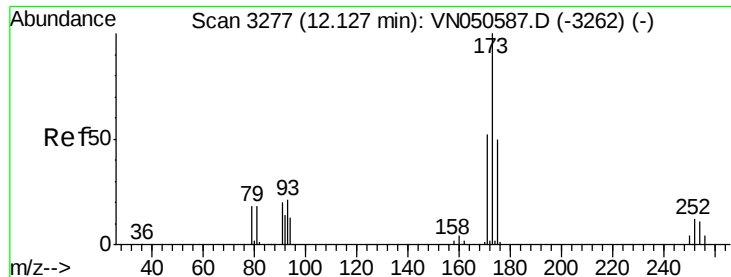
MMDadoda
8/21/2018 2:13:09 PM



#70
Styrene
Concen: 48.85 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion:104 Resp: 1148863
Ion Ratio Lower Upper
104 100
78 48.7 39.1 58.7
103 55.9 44.9 67.3





#71

Bromoform

Concen: 50.56 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

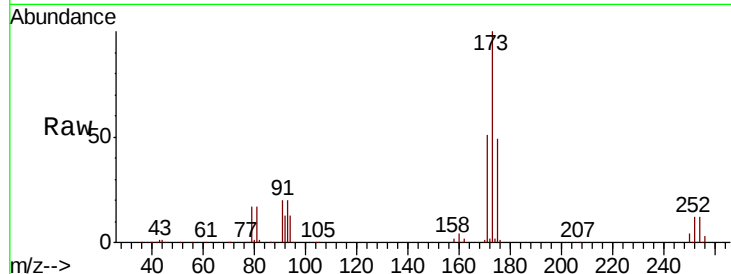
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.2
254	0.2	0.0	0.0#

Manual Integrations
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8/21/2018 2:13:09 PM

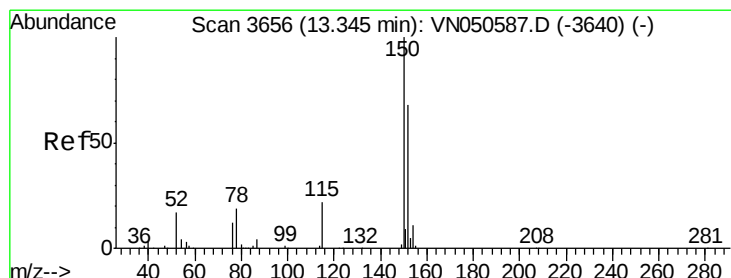
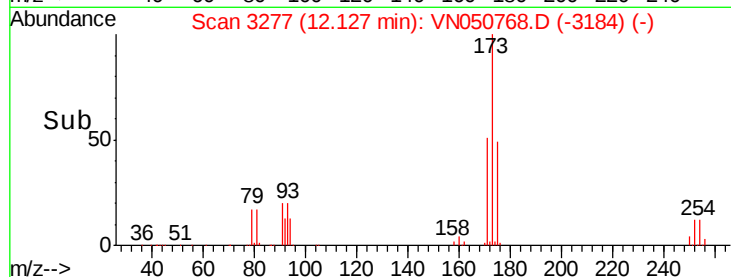
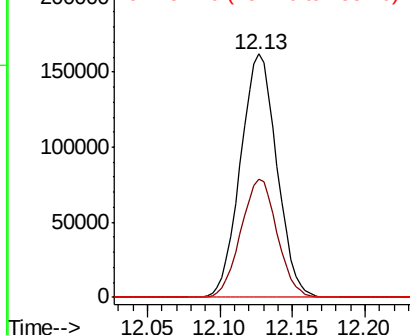


Abundance

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: VN050768.D

Acq: 20 Aug 2018 12:33

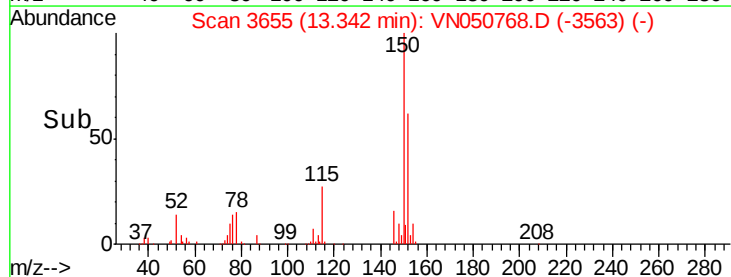
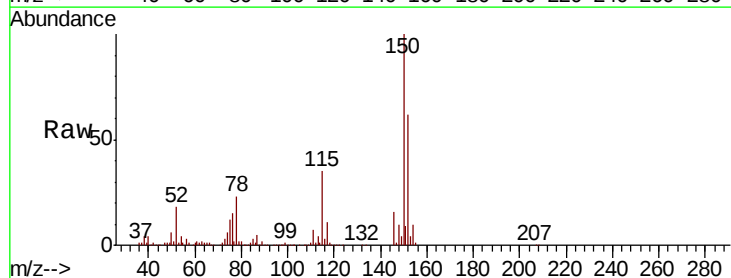
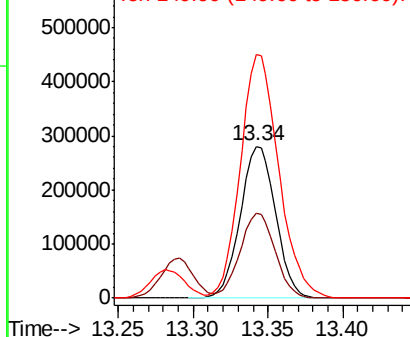
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.1	84.2
150	174.7	0.0	347.8

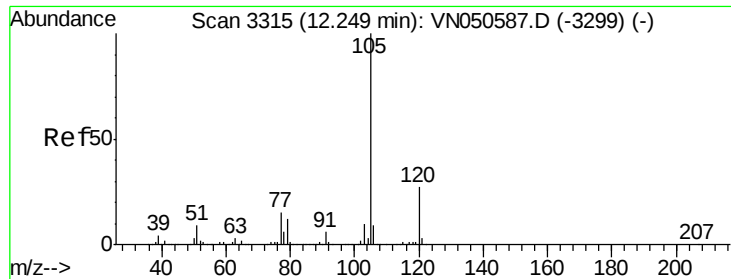
Abundance

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





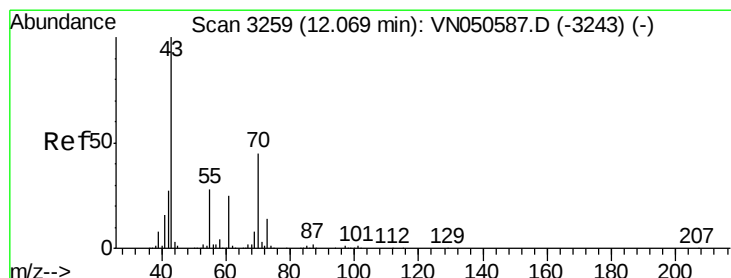
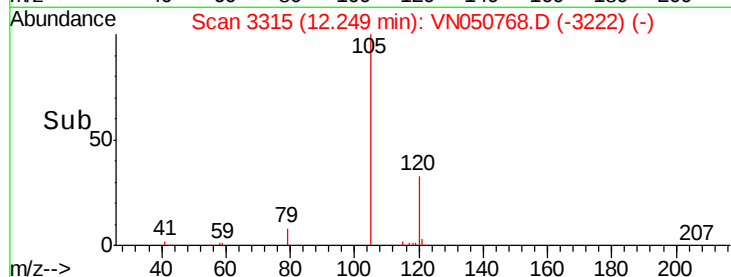
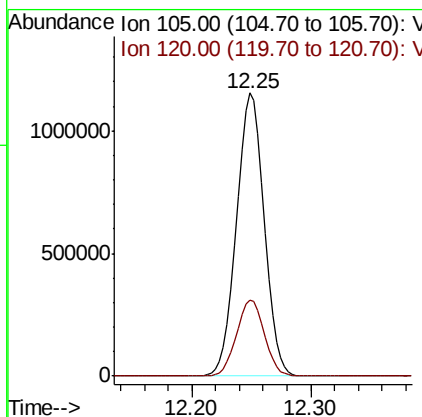
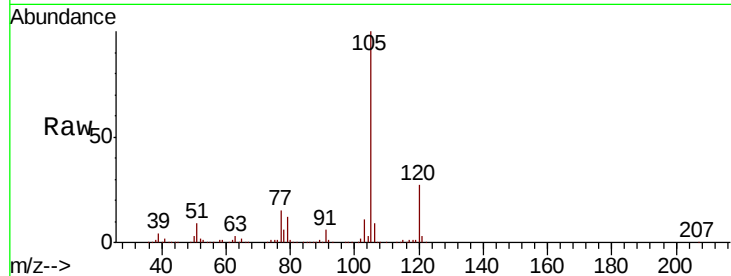
#73
Isopropylbenzene
Concen: 51.59 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 105 Resp: 1855809
Ion Ratio Lower Upper
105 100
120 27.1 13.4 40.1

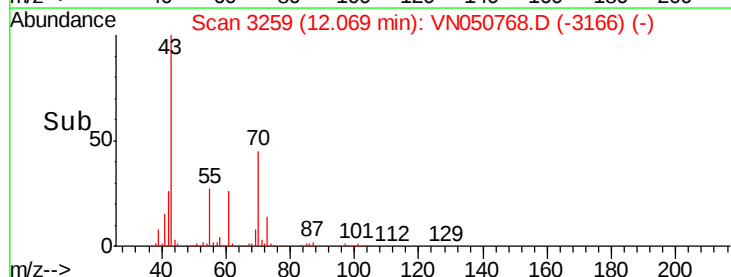
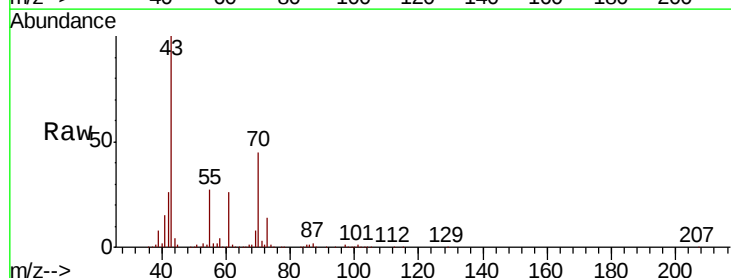
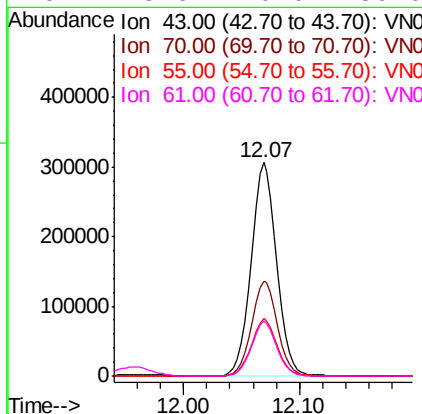
Manual Integrations
APPROVED

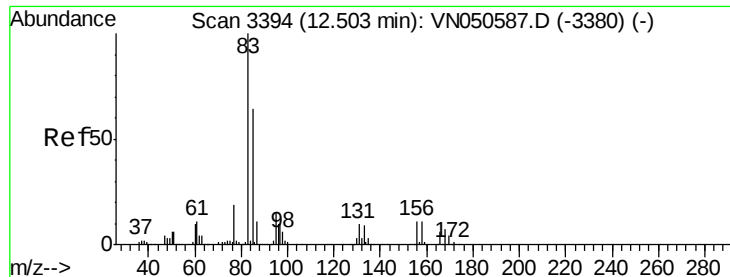
MMDadoda
8/21/2018 2:13:09 PM



#74
N-ethyl acetate
Concen: 50.21 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion: 43 Resp: 469883
Ion Ratio Lower Upper
43 100
70 45.2 35.9 53.9
55 27.3 22.2 33.4
61 25.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 54.09 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 450149

Ion Ratio Lower Upper

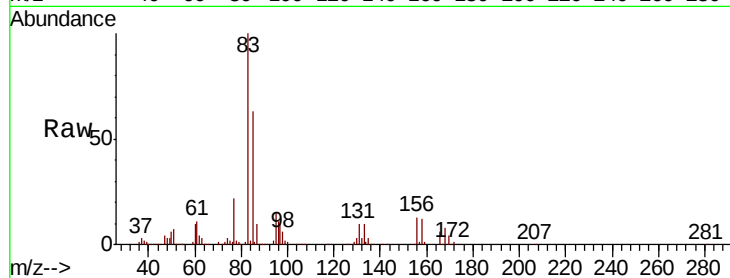
83 100

131 10.5 5.3 15.9

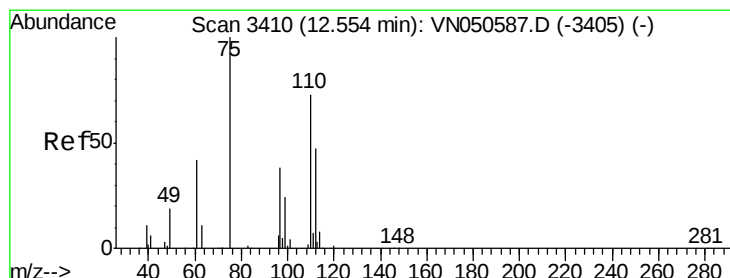
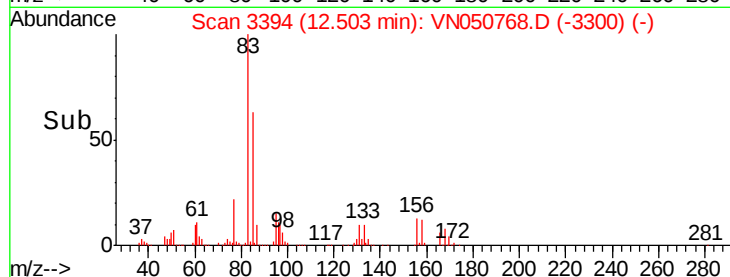
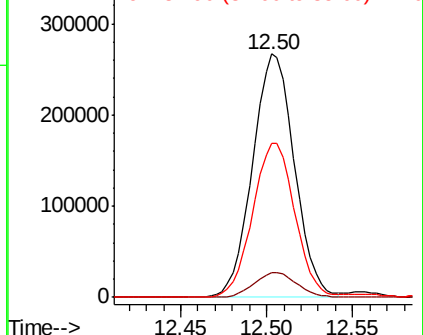
85 63.8 32.1 96.5

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: 52.32 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050768.D

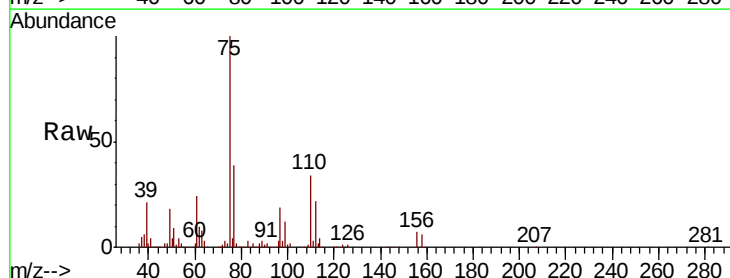
Acq: 20 Aug 2018 12:33

Tgt Ion: 75 Resp: 388810

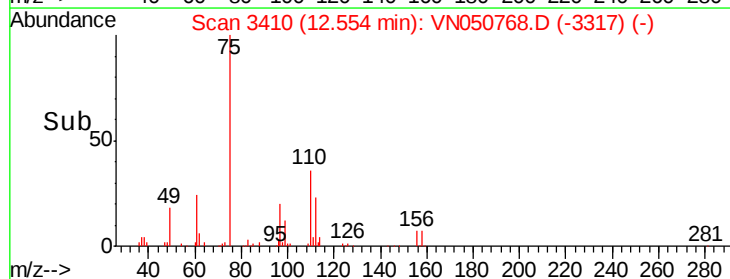
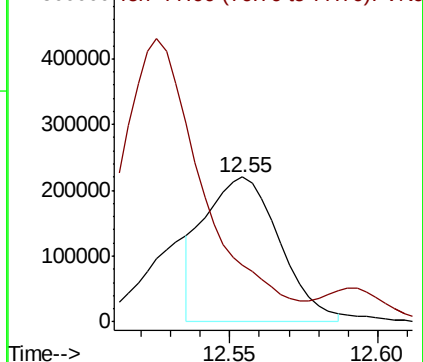
Ion Ratio Lower Upper

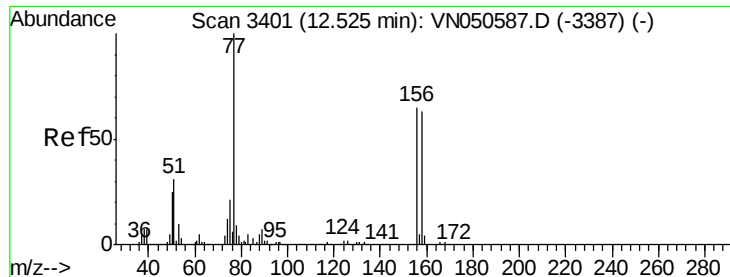
75 100

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: 48.81 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

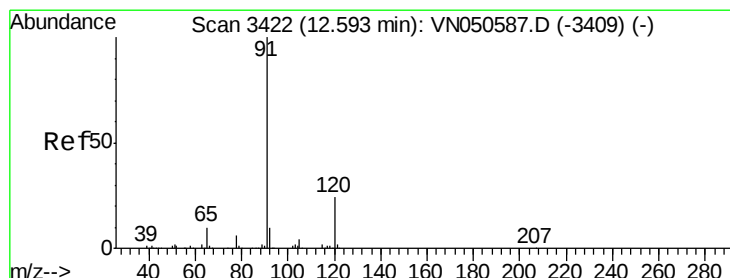
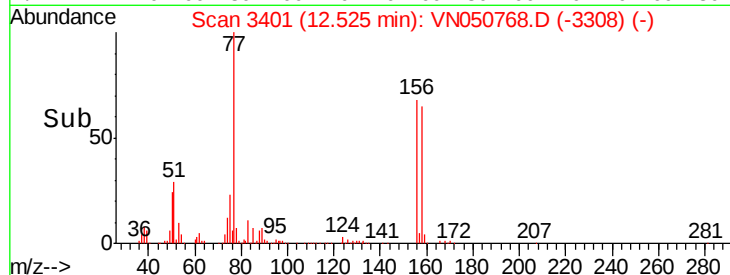
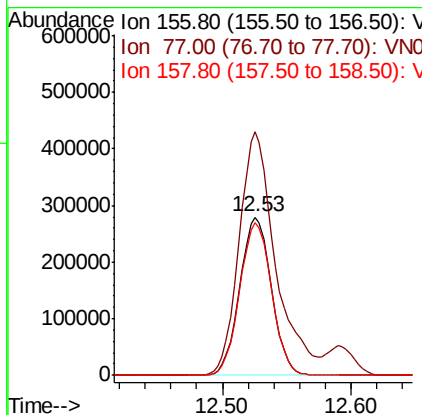
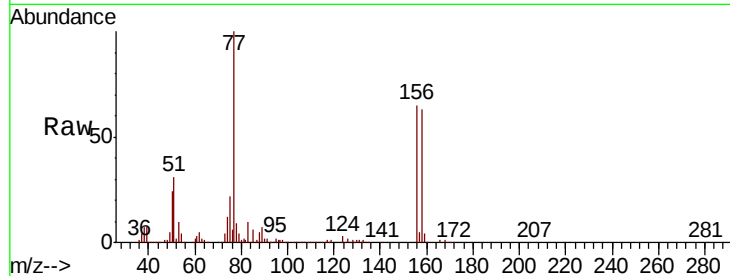
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	476740
Ion Ratio	Lower	Upper	
156	100		
77	177.0	89.0	267.1
158	97.2	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 52.84 ug/l

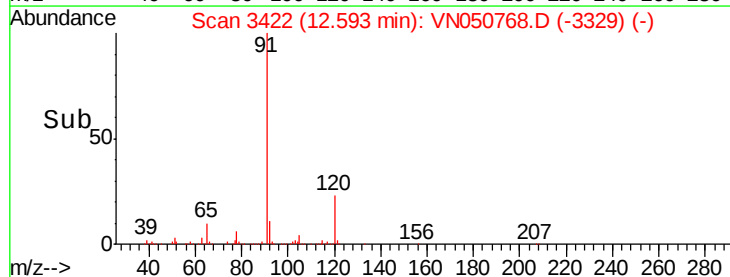
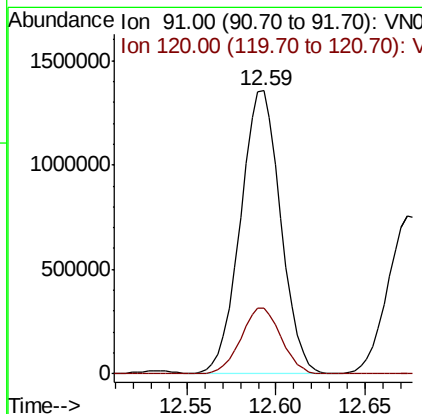
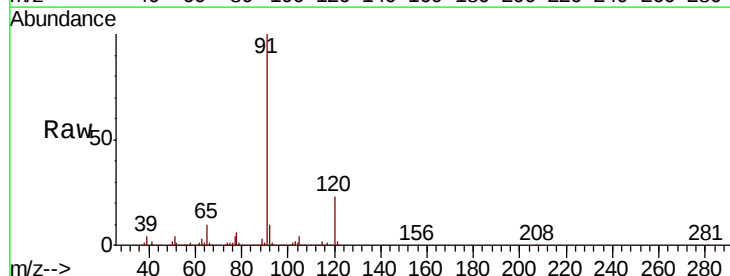
RT: 12.59 min Scan# 3422

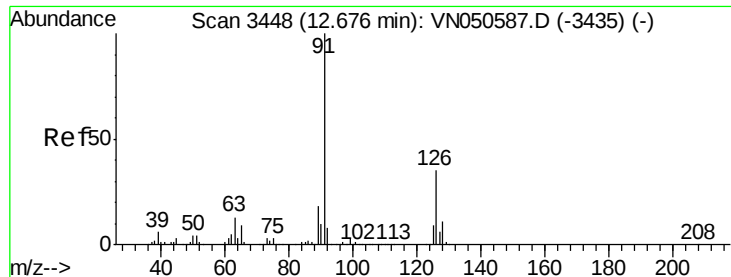
Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Tgt Ion:	91	Resp:	2119601
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.8	35.4





#79

2-Chlorotoluene

Concen: 50.55 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1264246

Ion Ratio Lower Upper

91 100

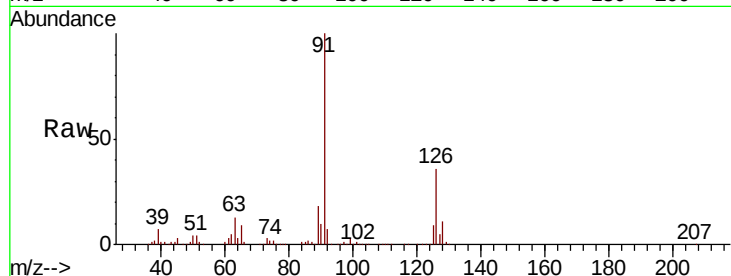
126 35.6 17.6 52.8

Manual Integrations

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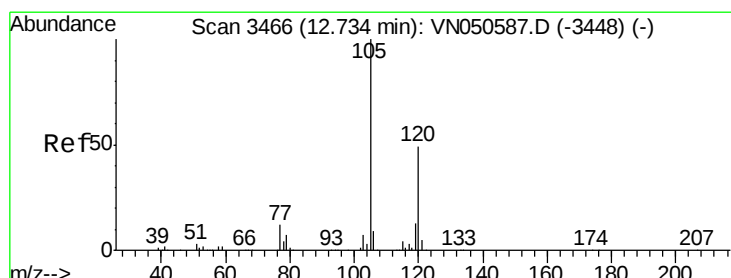
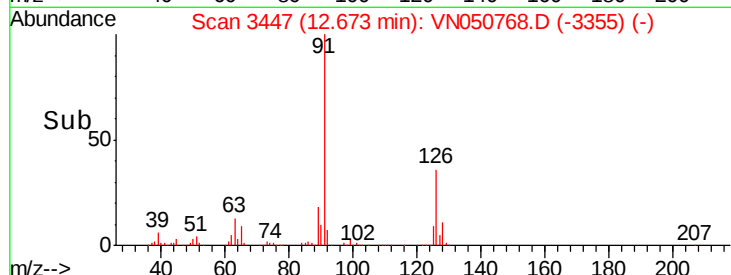
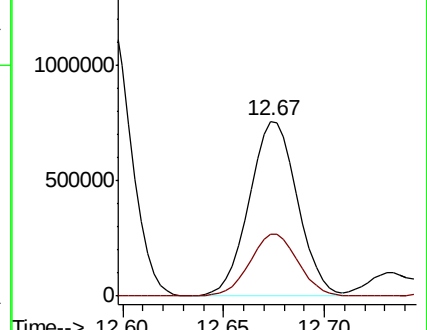
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Abundance Ion 91.00 (90.70 to 91.70): VN050587.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050587.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.22 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050768.D

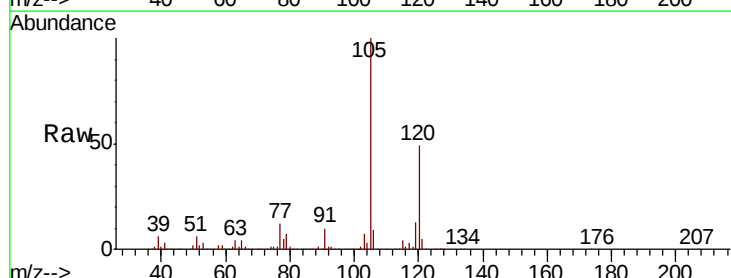
Acq: 20 Aug 2018 12:33

Tgt Ion:105 Resp: 1532653

Ion Ratio Lower Upper

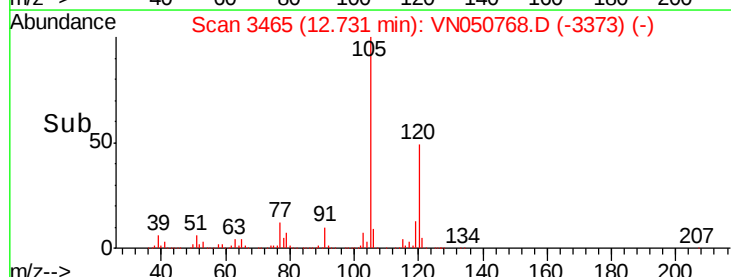
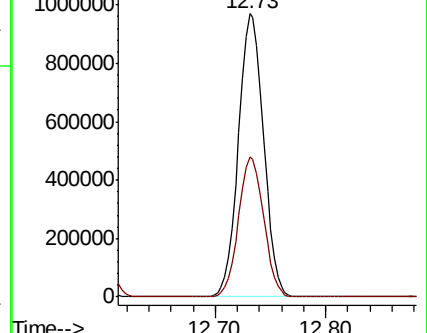
105 100

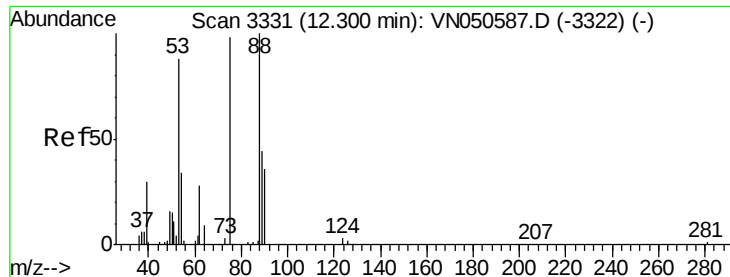
120 49.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN050587.D (-3448) (-)

Ion 120.00 (119.70 to 120.70): VN050587.D (-3448) (-)





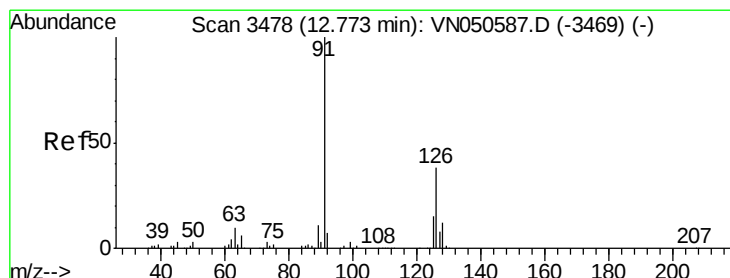
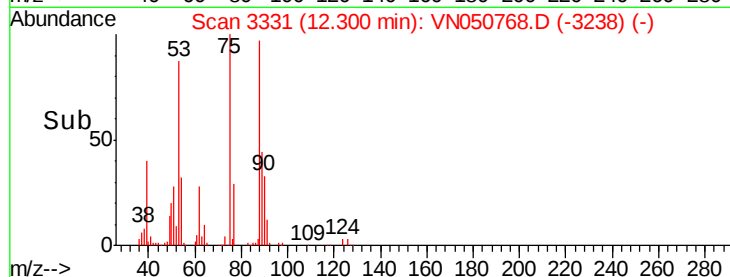
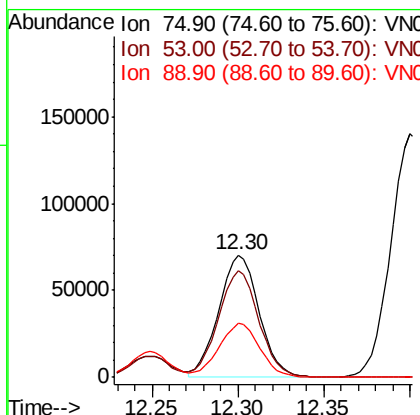
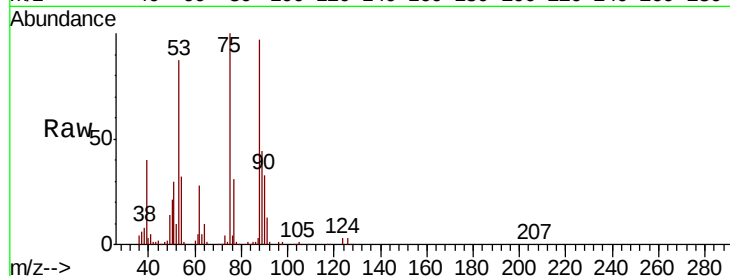
#81
trans-1,4-Dichloro-2-butene
Concen: 55.61 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.2	72.2	108.2
89	44.8	36.3	54.5

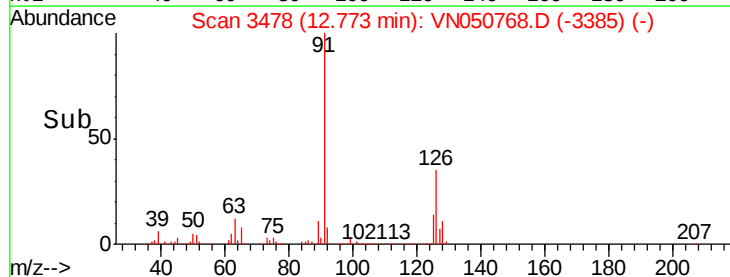
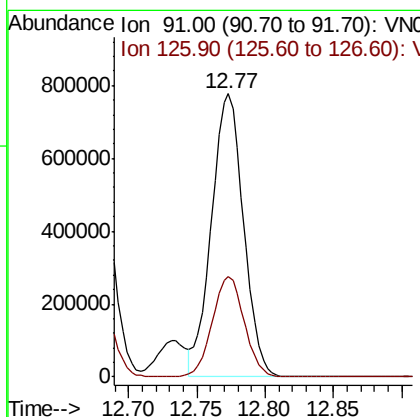
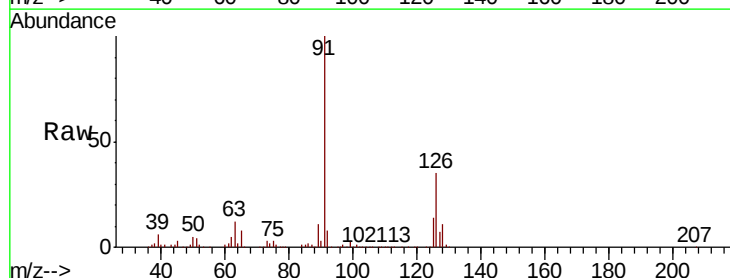
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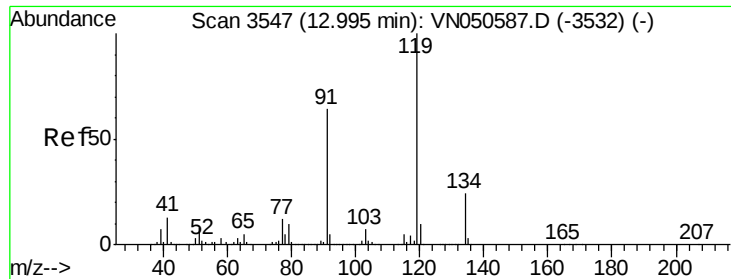
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#82
4-Chlorotoluene
Concen: 51.21 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.3	52.0





#83

tert-Butylbenzene

Concen: 52.08 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:119 Resp: 1302079

Ion Ratio Lower Upper

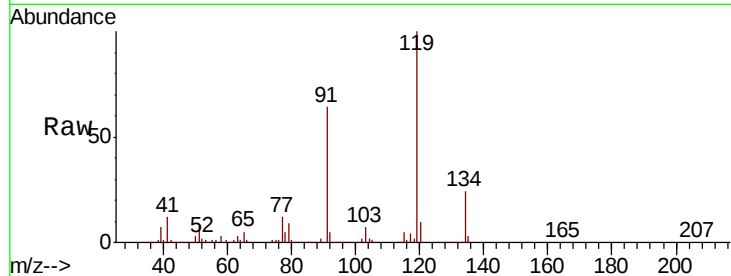
119 100

91 63.6 32.2 96.6

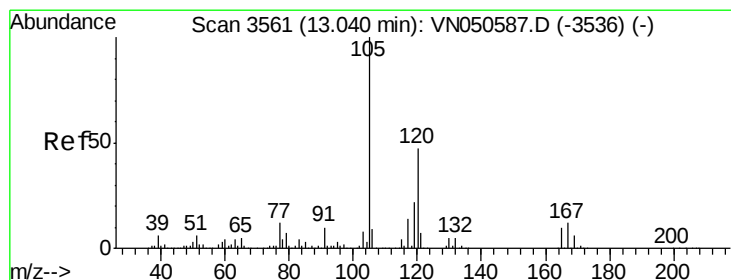
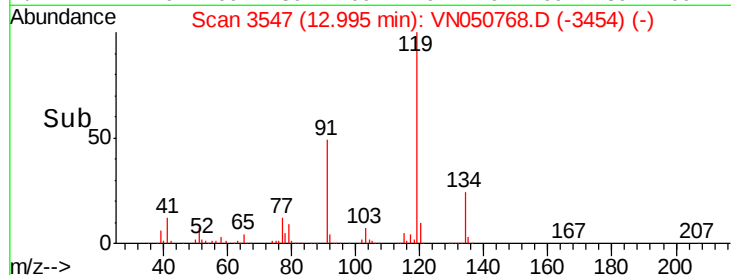
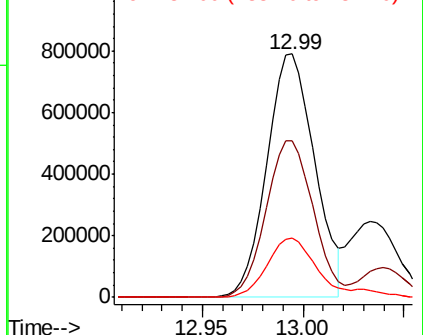
134 24.6 13.4 40.2

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.02 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN050768.D

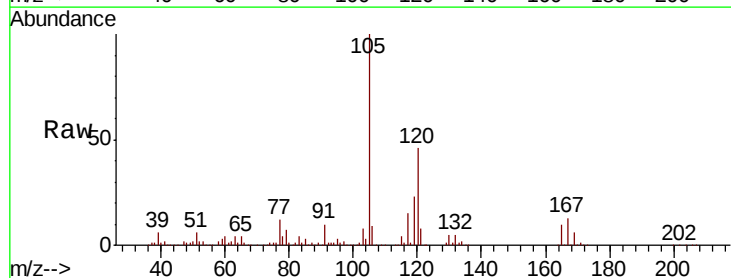
Acq: 20 Aug 2018 12:33

Tgt Ion:105 Resp: 1561506

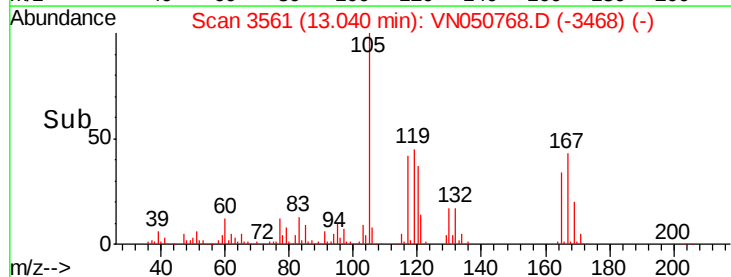
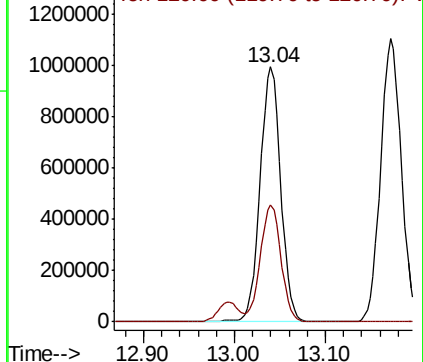
Ion Ratio Lower Upper

105 100

120 46.2 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.14 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1736273

Ion Ratio Lower Upper

105 100

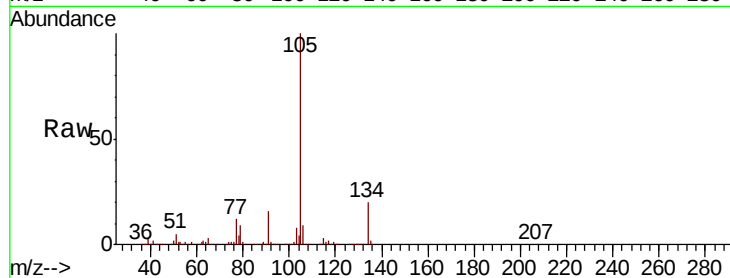
134 20.2 10.1 30.3

Manual Integrations

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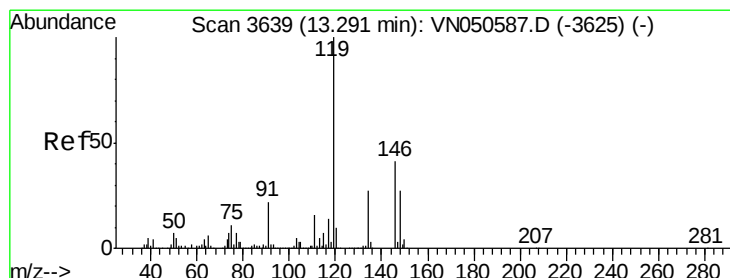
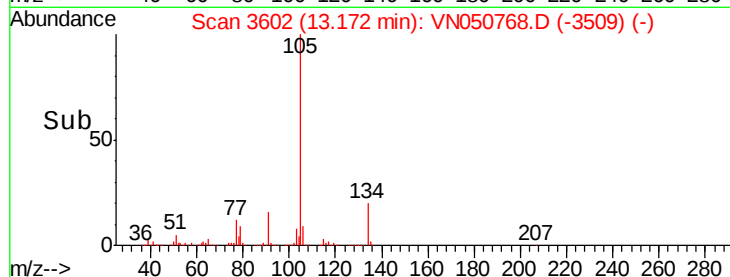
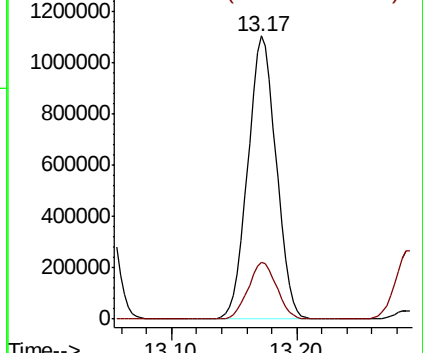
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.43 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

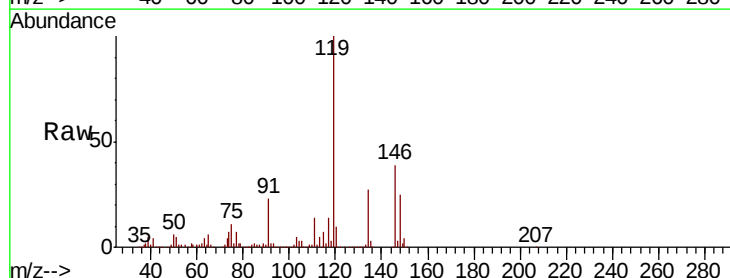
Tgt Ion:119 Resp: 1534505

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

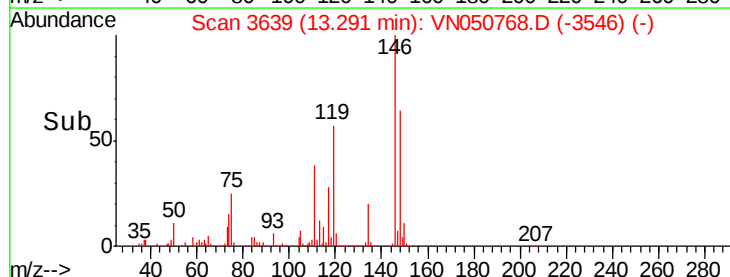
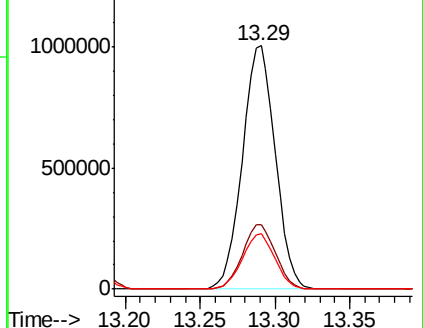
91 22.4 11.2 33.6

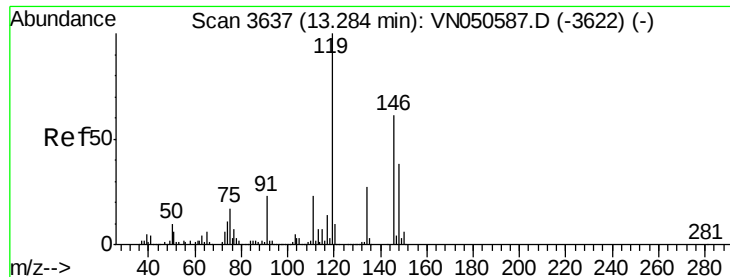


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.39 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

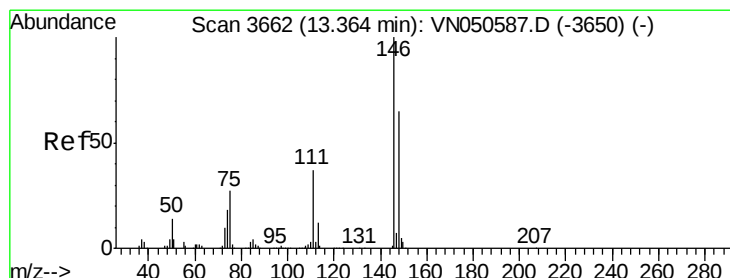
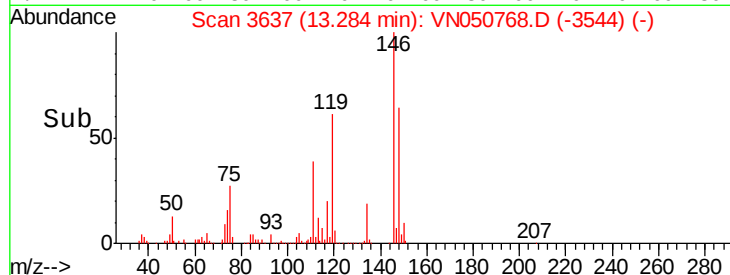
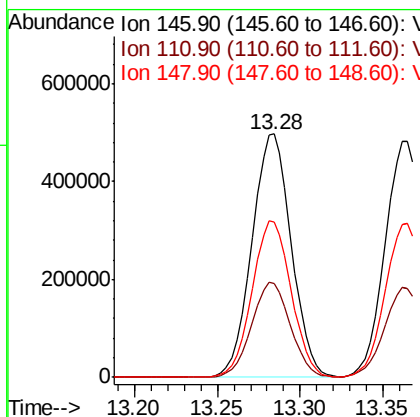
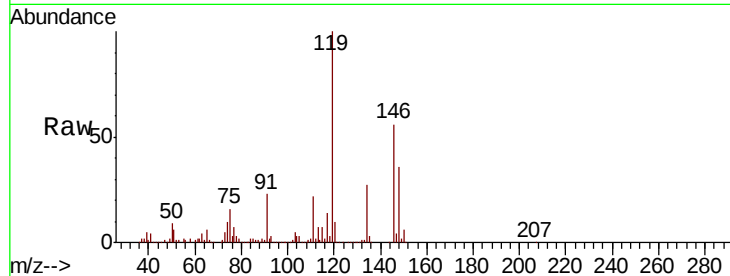
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	821219
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.2	57.6
148	64.0	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.06 ug/l

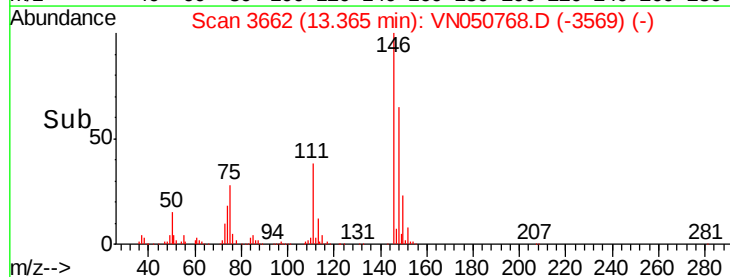
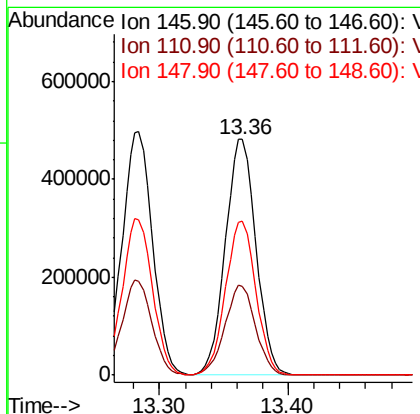
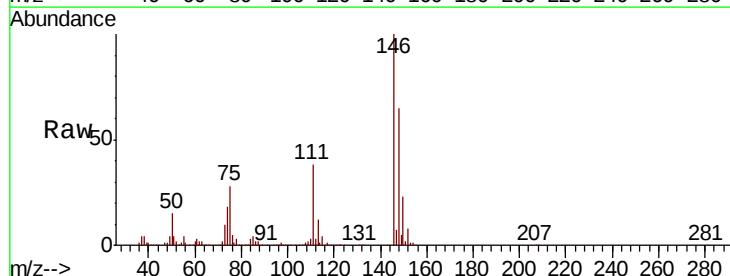
RT: 13.36 min Scan# 3662

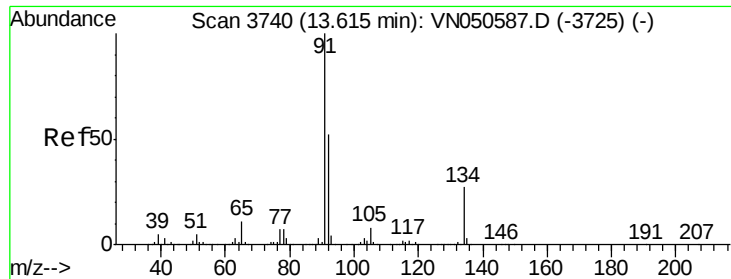
Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Tgt Ion:	146	Resp:	792978
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.8	56.4
148	64.9	32.3	96.8





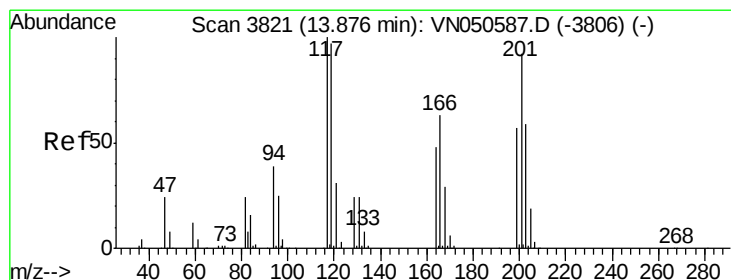
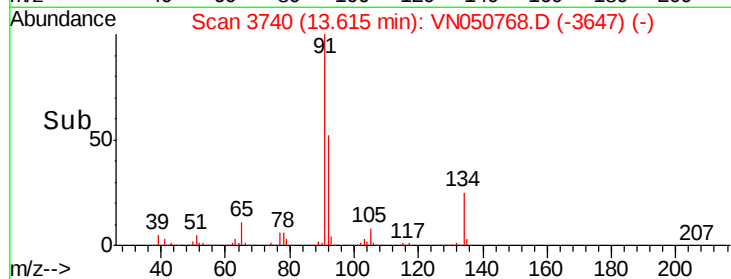
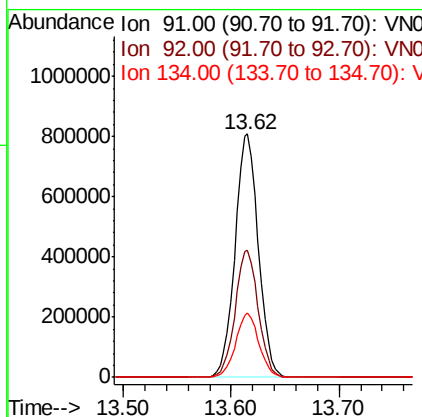
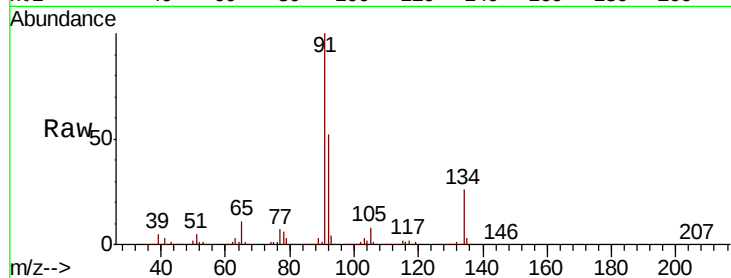
#89
n-Butylbenzene
Concen: 54.33 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.3	78.8
134	26.2	13.3	39.9

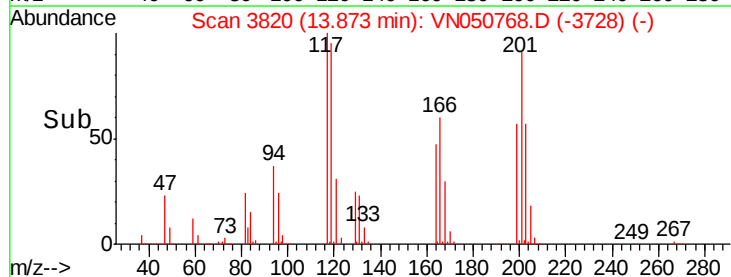
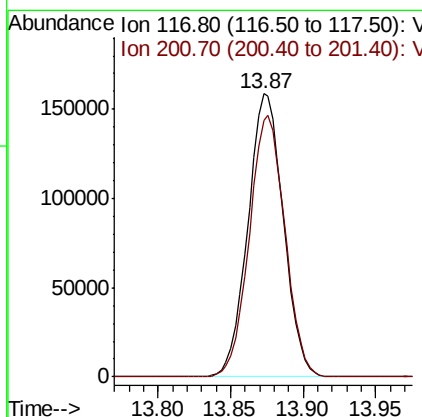
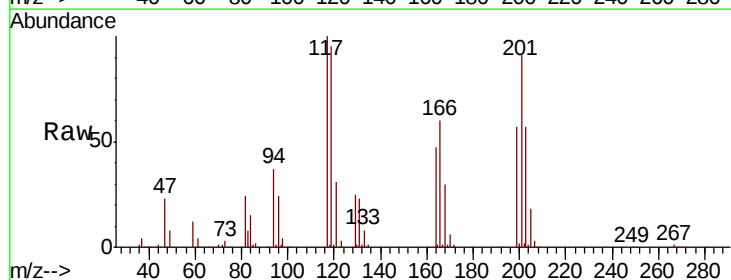
Manual Integrations
APPROVED

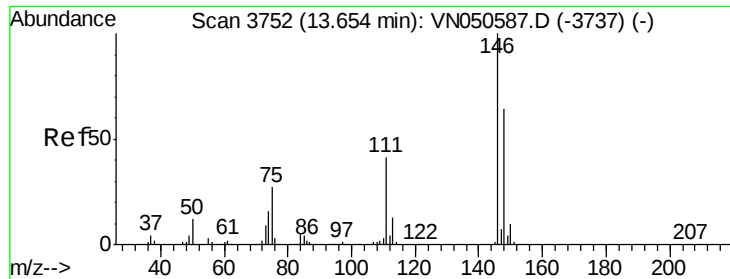
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#90
Hexachloroethane
Concen: 48.63 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.4	45.5	136.5





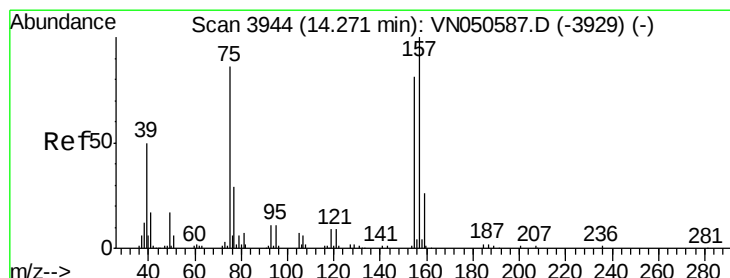
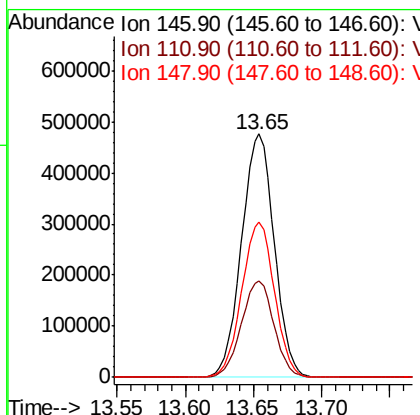
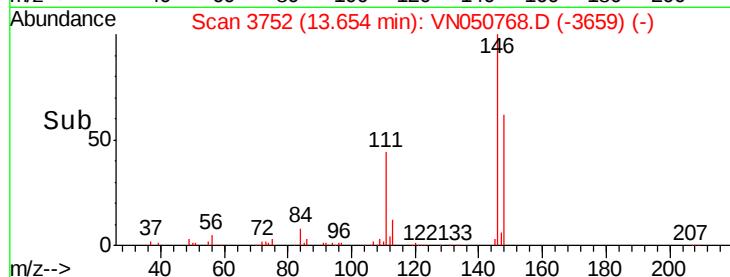
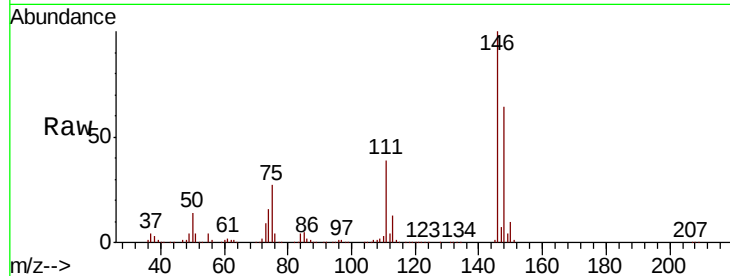
#91
 1,2-Dichlorobenzene
 Concen: 48.79 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.4
148	63.9	32.3	96.8

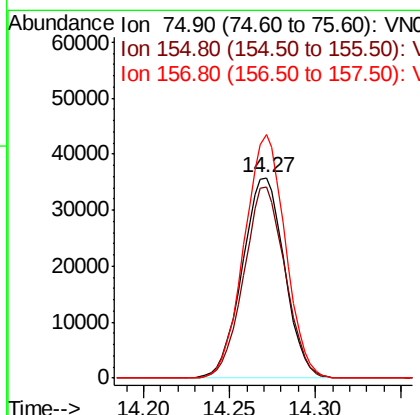
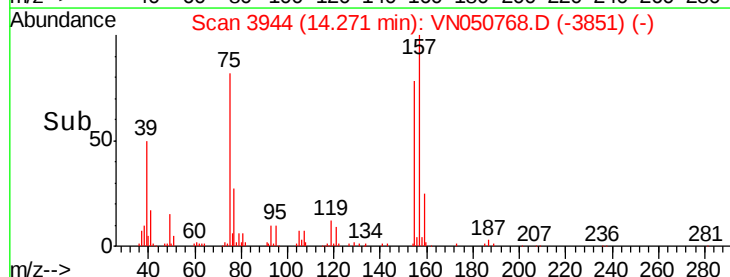
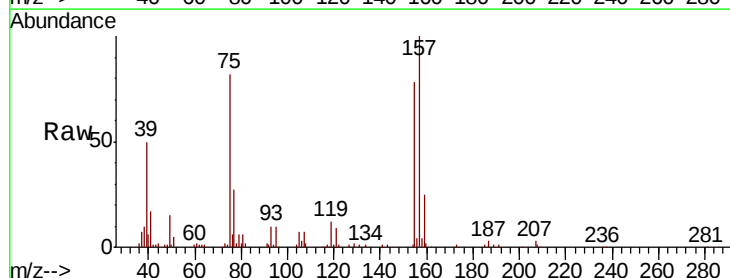
Manual Integrations
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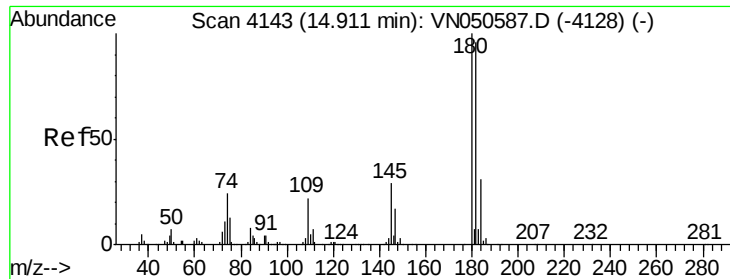
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.40 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.9	46.6	139.8
157	118.0	58.1	174.2





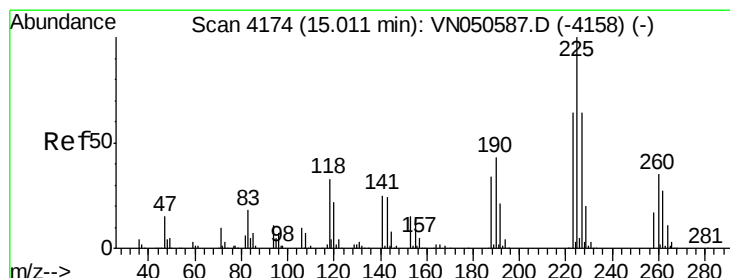
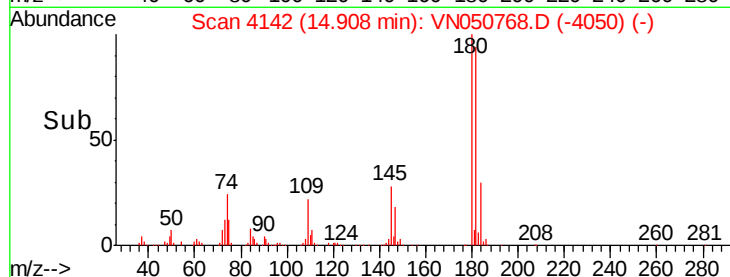
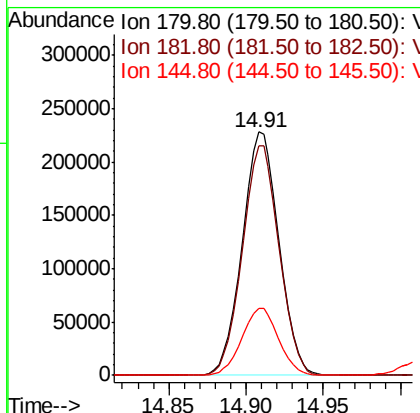
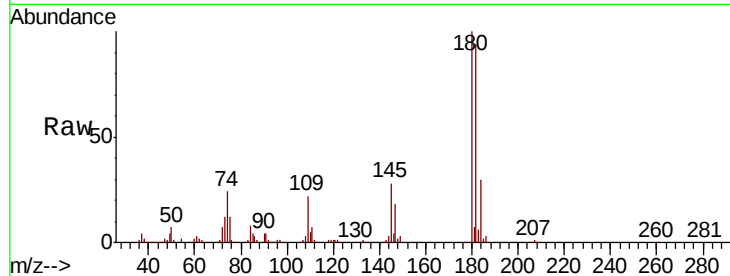
#93
 1,2,4-Trichlorobenzene
 Concen: 45.43 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	376014		
182	94.6	47.9	143.7	
145	27.6	14.4	43.4	

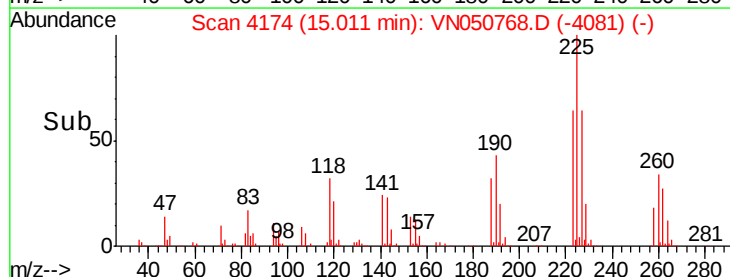
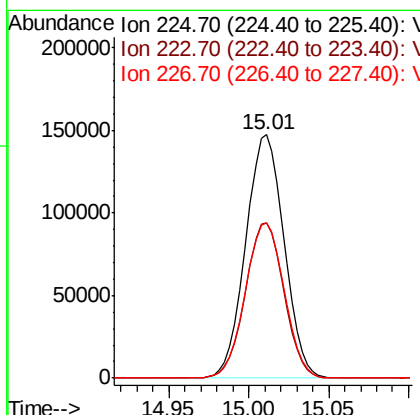
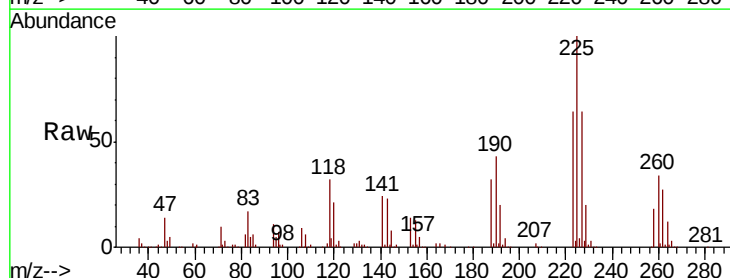
Manual Integrations
 APPROVED

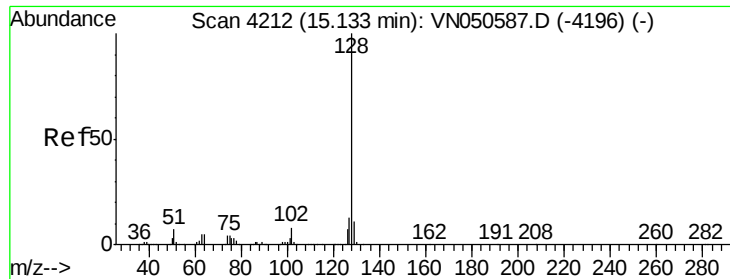
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#94
 Hexachlorobutadiene
 Concen: 48.62 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	241808		
223	63.8	32.1	96.3	
227	64.4	32.0	96.2	





#95

Naphthalene

Concen: 42.41 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

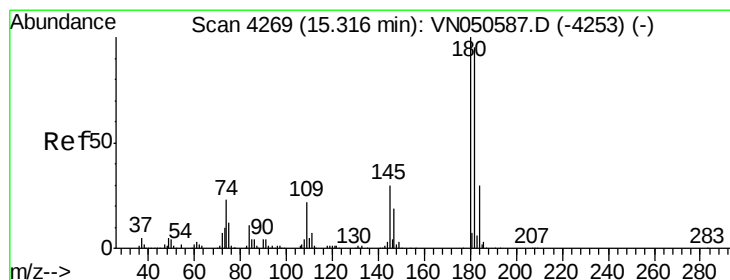
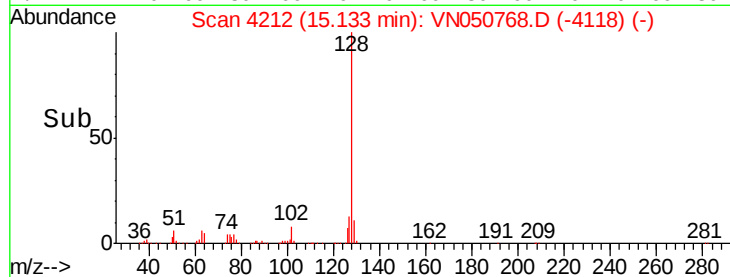
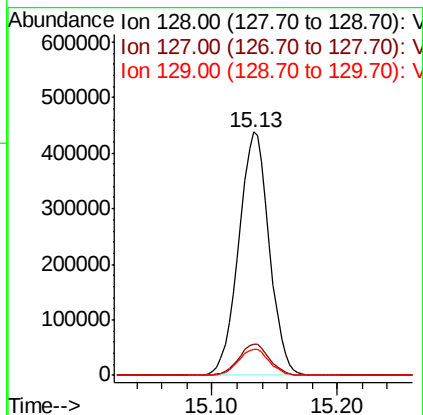
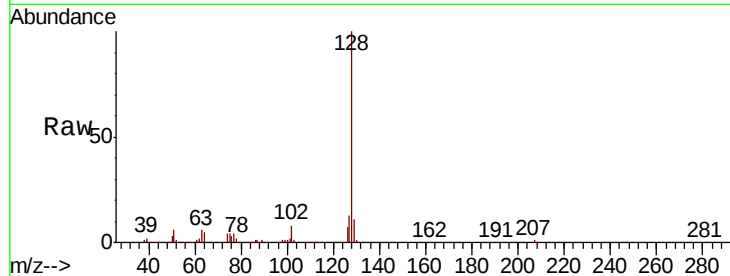
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	739780
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	11.0	8.5	12.7

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 45.96 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Tgt Ion:	180	Resp:	356109
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.3	141.8
145	29.5	14.6	44.0

