

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050617.D
 Acq On : 14 Aug 2018 21:46
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:32:16 PM

Quant Time: Aug 15 13:40:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	654695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	943220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	868131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	453577	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	407922	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
35) Dibromofluoromethane	7.59	113	382627	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.09	98	1439497	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.40	95	471405	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	344858	46.72	ug/l	98
3) Chloromethane	2.06	50	442677	49.21	ug/l	100
4) Vinyl Chloride	2.18	62	457194	46.63	ug/l	99
5) Bromomethane	2.56	94	259746	49.26	ug/l	97
6) Chloroethane	2.70	64	276610	50.79	ug/l	98
7) Trichlorofluoromethane	3.01	101	590221	45.88	ug/l	99
8) Diethyl Ether	3.41	74	207318	48.44	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	367747	47.27	ug/l	100
10) Methyl Iodide	3.95	142	262101	47.76	ug/l	99
11) Tert butyl alcohol	4.80	59	113160	251.13	ug/l	99
12) 1,1-Dichloroethene	3.73	96	334321	47.06	ug/l	98
13) Acrolein	3.61	56	37479	216.98	ug/l	95
14) Allyl chloride	4.32	41	528042	47.79	ug/l	99
15) Acrylonitrile	4.99	53	621510	251.13	ug/l	100
16) Acetone	3.82	43	531072	257.78	ug/l	99
17) Carbon Disulfide	4.05	76	1052025	47.06	ug/l	100
18) Methyl Acetate	4.33	43	297436	51.34	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	924185	51.12	ug/l	100
20) Methylene Chloride	4.55	84	399600	50.97	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	373272	48.47	ug/l	98
22) Diisopropyl ether	5.96	45	1171610	51.71	ug/l	99
23) Vinyl Acetate	5.90	43	3914618	264.14	ug/l	100
24) 1,1-Dichloroethane	5.85	63	690290	47.09	ug/l	100
25) 2-Butanone	6.84	43	871771	257.65	ug/l	99
26) 2,2-Dichloropropane	6.83	77	502003	51.16	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	411894	48.03	ug/l	98
28) Bromochloromethane	7.20	49	333787	50.03	ug/l	99
29) Tetrahydrofuran	7.21	42	466171	263.86	ug/l	99
30) Chloroform	7.37	83	706105	47.53	ug/l	98
31) Cyclohexane	7.65	56	614626	49.13	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	594357	47.53	ug/l	98
36) 1,1-Dichloropropene	7.80	75	542643	51.68	ug/l	99
37) Ethyl Acetate	6.93	43	326185	54.96	ug/l	100
38) Carbon Tetrachloride	7.78	117	537240	49.32	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	573352	52.74	ug/l	100
40) Benzene	8.04	78	1621897	50.78	ug/l	100
41) Methacrylonitrile	7.18	41	173367	54.03	ug/l	99
42) 1,2-Dichloroethane	8.13	62	490538	50.11	ug/l	99
43) Isopropyl Acetate	8.17	43	558921	51.67	ug/l	99
44) Trichloroethene	8.84	130	418523	48.91	ug/l	99
45) 1,2-Dichloropropane	9.12	63	428801	50.42	ug/l	99
46) Dibromomethane	9.21	93	250696	49.93	ug/l	98
47) Bromodichloromethane	9.40	83	538915	50.21	ug/l	99
48) Methyl methacrylate	9.20	41	286670	52.67	ug/l	99
49) 1,4-Dioxane	9.20	88	75509	1053.15	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2007436	274.43	ug/l	100
52) Toluene	10.16	92	1006815	52.79	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	528805	52.90	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	617403	53.84	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	361611	50.75	ug/l	98
56) Ethyl methacrylate	10.43	69	449919	49.52	ug/l	98
57) 1,3-Dichloropropane	10.71	76	608485	52.09	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1088658	250.05	ug/l	99
59) 2-Hexanone	10.75	43	1317125	278.98	ug/l	100
60) Dibromochloromethane	10.90	129	411966	52.39	ug/l	98
61) 1,2-Dibromoethane	11.01	107	358954	52.90	ug/l	98
64) Tetrachloroethene	10.63	164	394736	48.96	ug/l	99
65) Chlorobenzene	11.43	112	1088068	50.36	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	407401	50.30	ug/l	99
67) Ethyl Benzene	11.51	91	1881858	53.94	ug/l	100
68) m/p-Xylenes	11.62	106	1445495	108.34	ug/l	99
69) o-Xylene	11.95	106	684528	53.80	ug/l	100
70) Styrene	11.96	104	1141536	50.44	ug/l	99
71) Bromoform	12.13	173	280538	52.24	ug/l #	100
73) Isopropylbenzene	12.25	105	1809565	51.06	ug/l	100
74) N-amyl acetate	12.07	43	478797	51.93	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	445590	54.36	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	336167m	45.79	ug/l	
77) Bromobenzene	12.53	156	464111	48.24	ug/l	99
78) n-propylbenzene	12.59	91	2085815	52.78	ug/l	99
79) 2-Chlorotoluene	12.67	91	1232986	50.05	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1492550	52.60	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	108075	52.97	ug/l	99
82) 4-Chlorotoluene	12.77	91	1249989	51.34	ug/l	100
83) tert-Butylbenzene	12.99	119	1275396	51.78	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1527504	53.64	ug/l	100
85) sec-Butylbenzene	13.17	105	1679070	52.17	ug/l	100
86) p-Isopropyltoluene	13.29	119	1468132	53.83	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	808811	49.38	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	786525	48.38	ug/l	100
89) n-Butylbenzene	13.62	91	1158882	52.62	ug/l	100
90) Hexachloroethane	13.88	117	257672	46.99	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	785373	49.15	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	62785	49.66	ug/l	98

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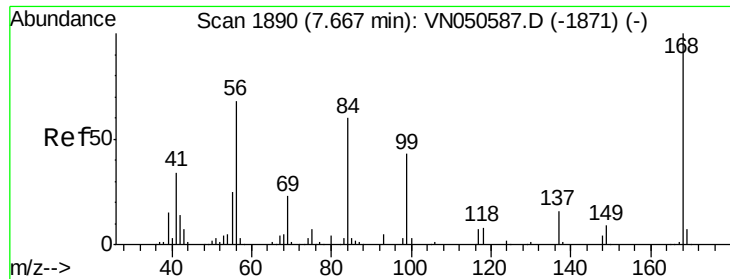
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	382417	46.81	ug/l	99
94) Hexachlorobutadiene	15.01	225	235318	48.03	ug/l	99
95) Naphthalene	15.13	128	785454	45.41	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	371703	48.58	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

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Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 654695

Ion Ratio Lower Upper

168 100

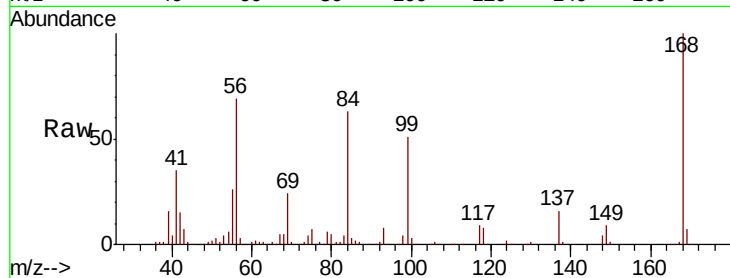
99 50.8 40.8 61.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

150000

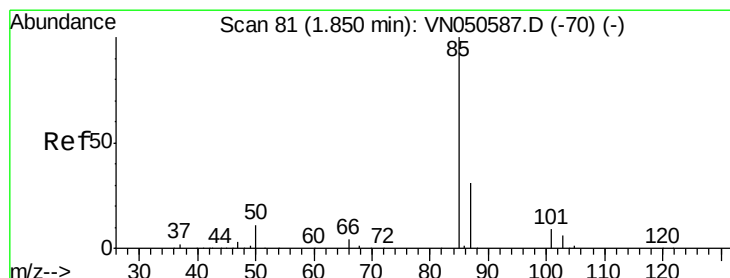
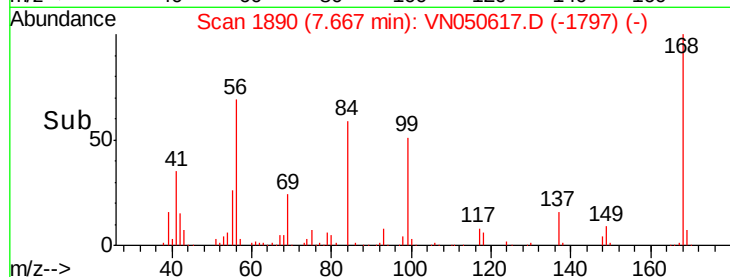
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.72 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050617.D

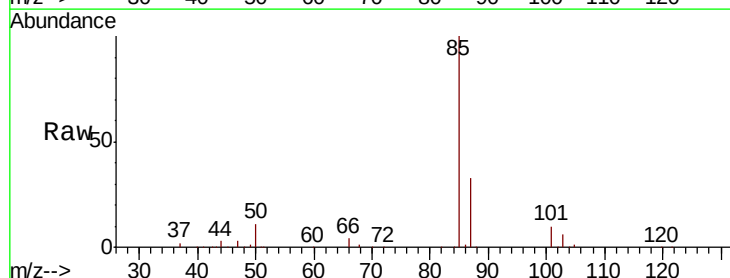
Acq: 14 Aug 2018 21:46

Tgt Ion: 85 Resp: 344858

Ion Ratio Lower Upper

85 100

87 32.5 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

150000

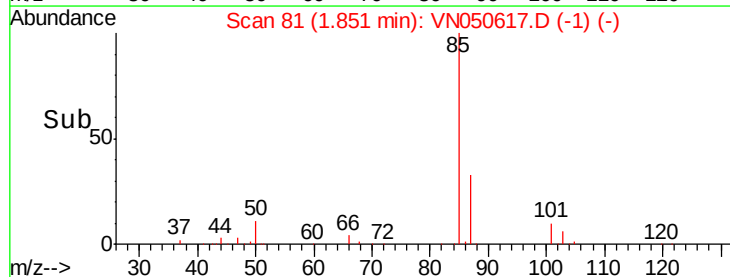
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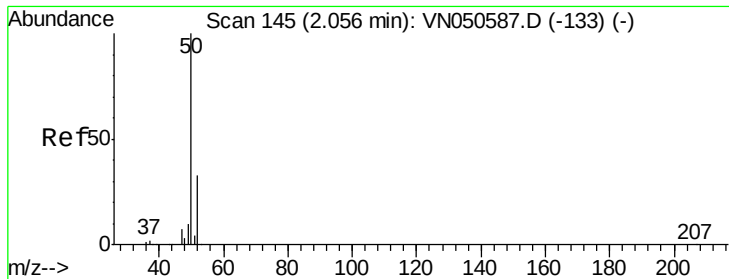
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 49.21 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 442677

Ion Ratio Lower Upper

50 100

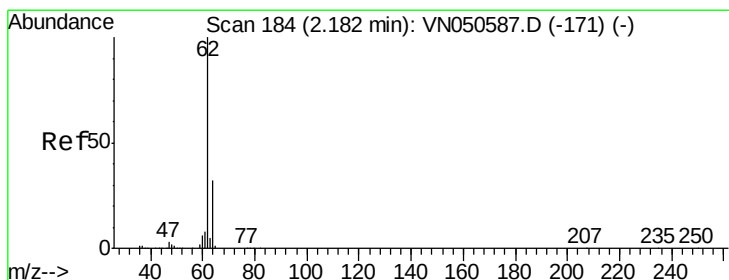
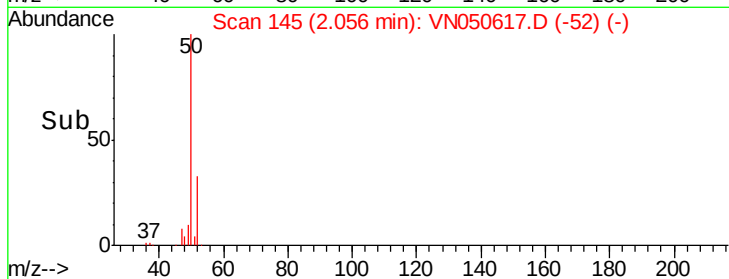
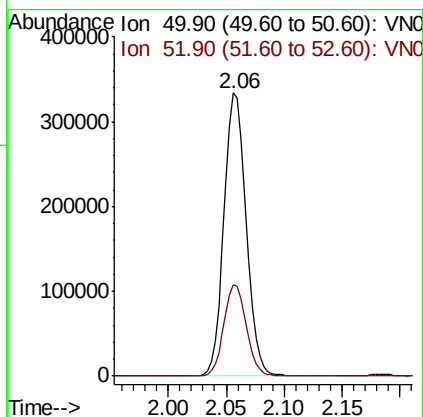
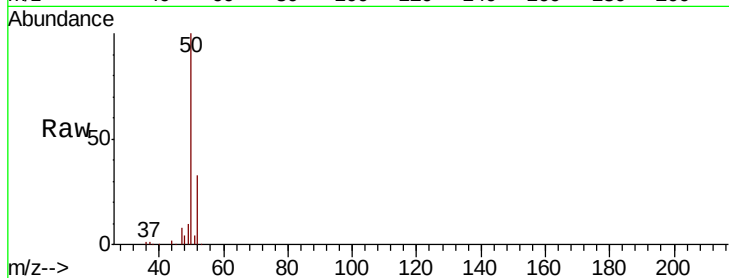
52 32.5 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.63 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050617.D

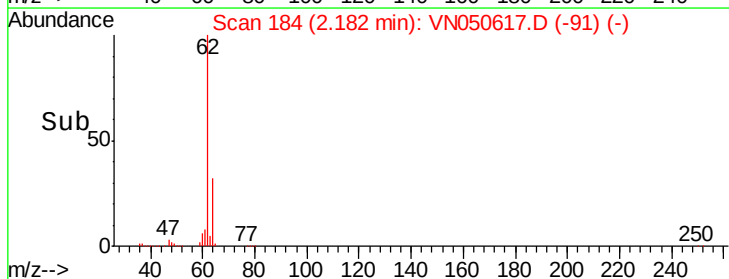
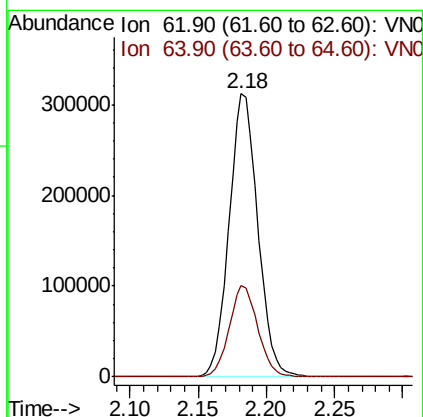
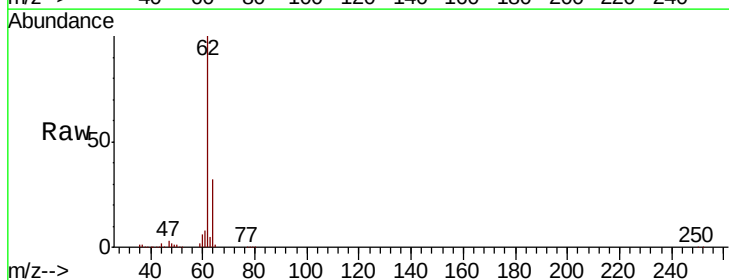
Acq: 14 Aug 2018 21:46

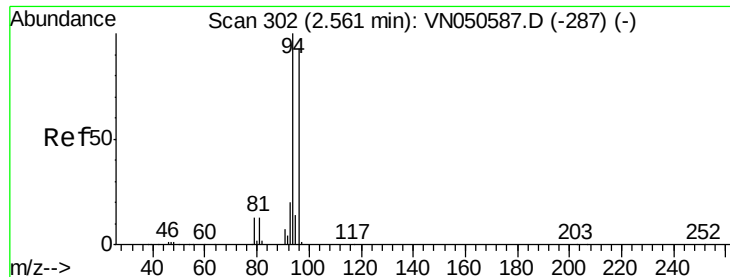
Tgt Ion: 62 Resp: 457194

Ion Ratio Lower Upper

62 100

64 32.2 25.2 37.8





#5

Bromomethane

Concen: 49.26 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 259746

Ion Ratio Lower Upper

94 100

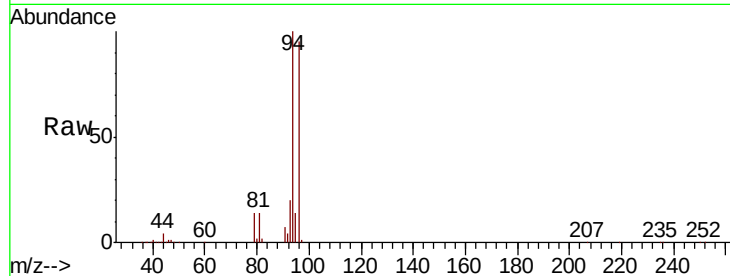
96 94.9 74.0 111.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.56

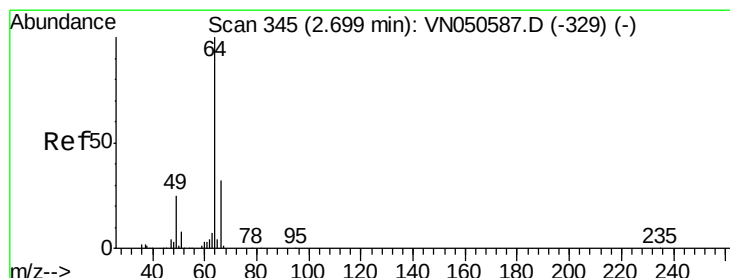
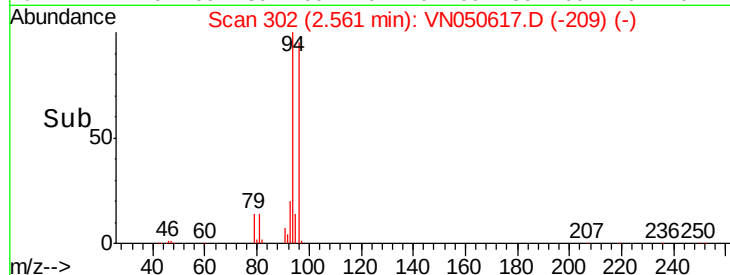
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 50.79 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050617.D

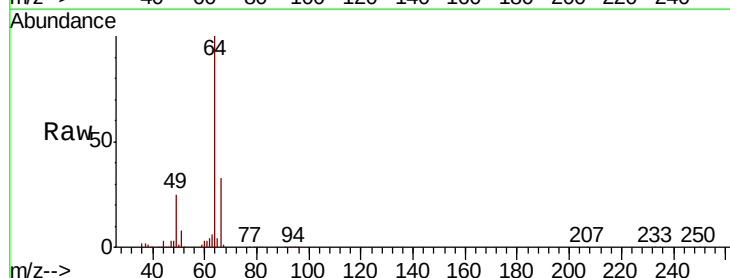
Acq: 14 Aug 2018 21:46

Tgt Ion: 64 Resp: 276610

Ion Ratio Lower Upper

64 100

66 33.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC

2.70

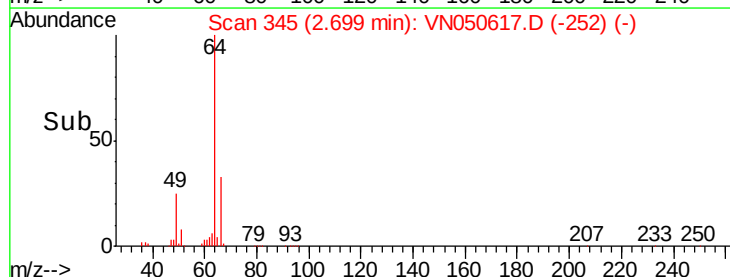
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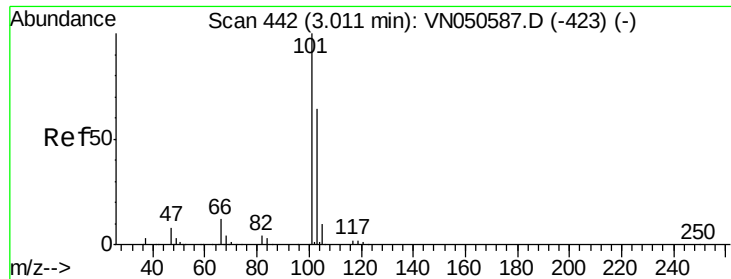
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50000

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Time-->





#7

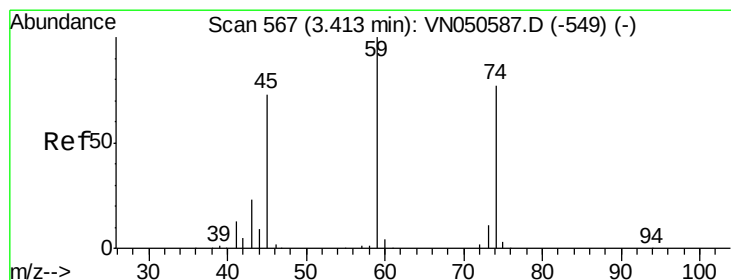
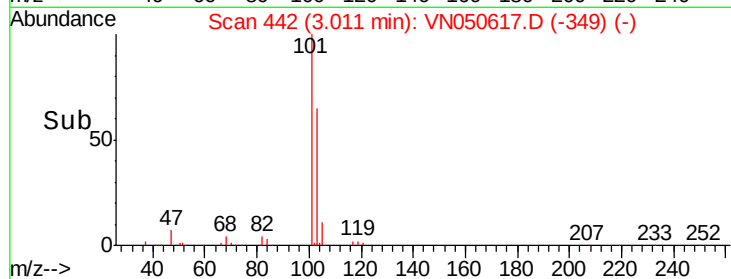
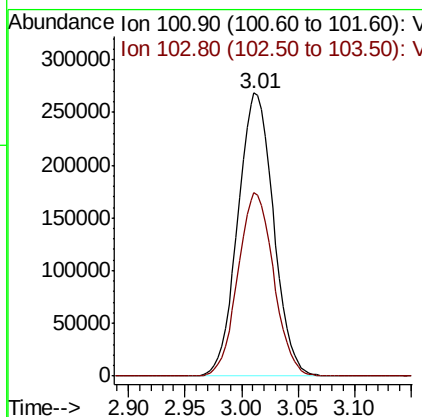
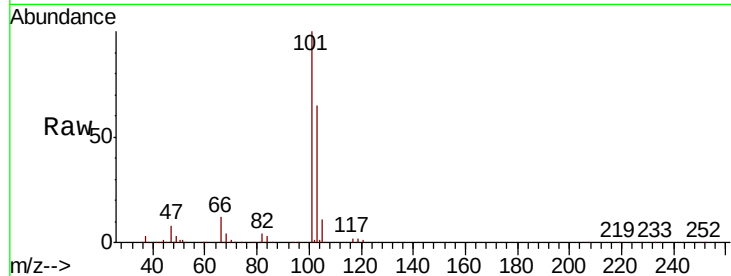
Trichlorofluoromethane
 Concen: 45.88 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050617.D
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.4	77.0

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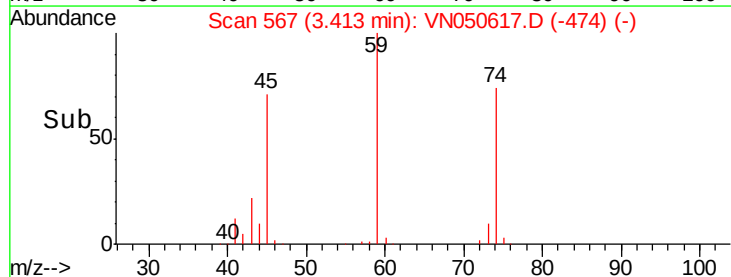
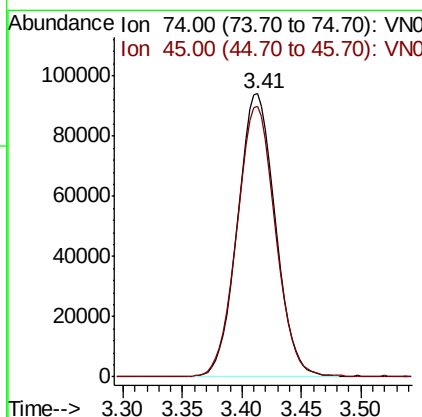
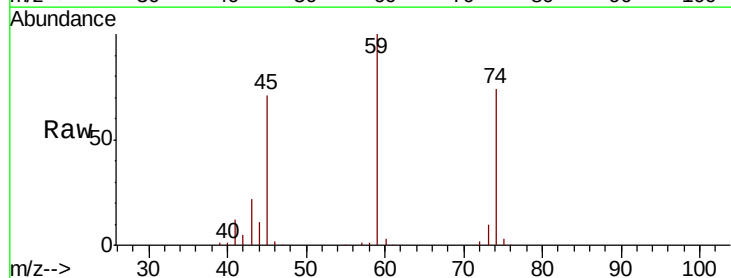
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 8/15/2018 3:32:16 PM

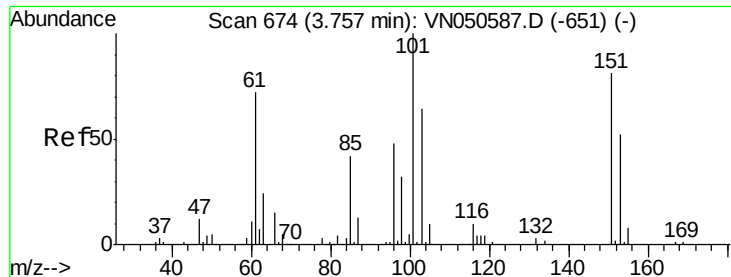


#8

Diethyl Ether
 Concen: 48.44 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.27 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_N

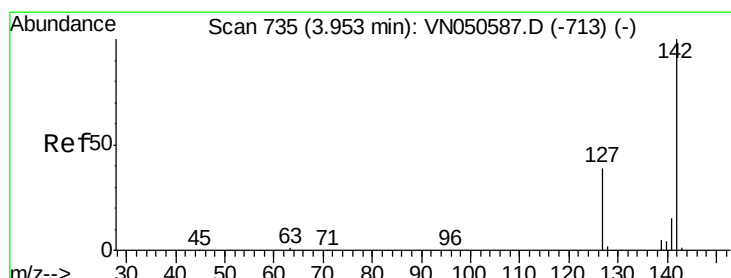
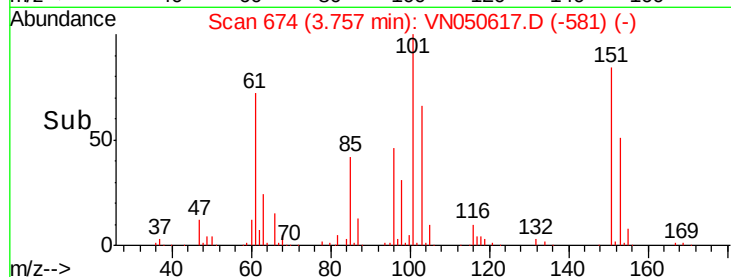
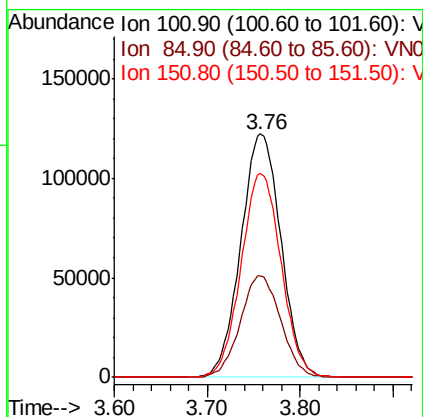
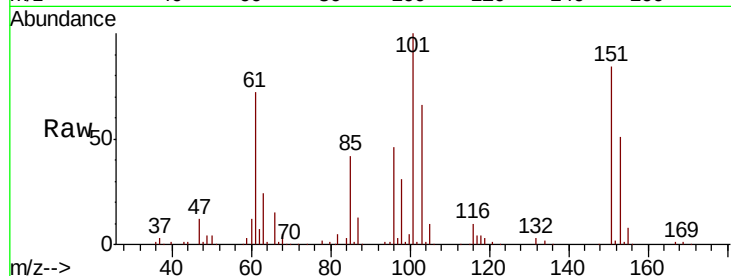
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	367747
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.4	50.0
151	83.6	66.6	100.0

Manual Integrations
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8/15/2018 3:32:16 PM



#10

Methyl Iodide

Concen: 47.76 ug/l

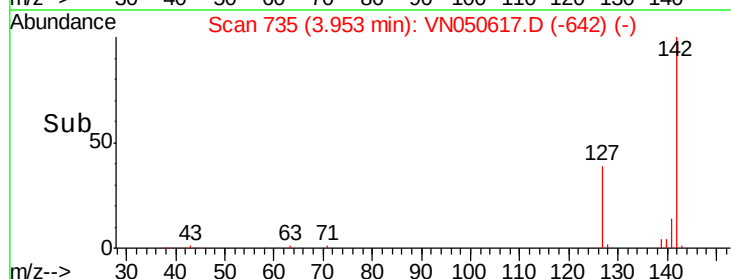
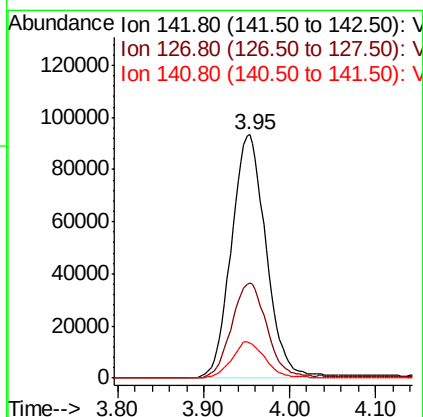
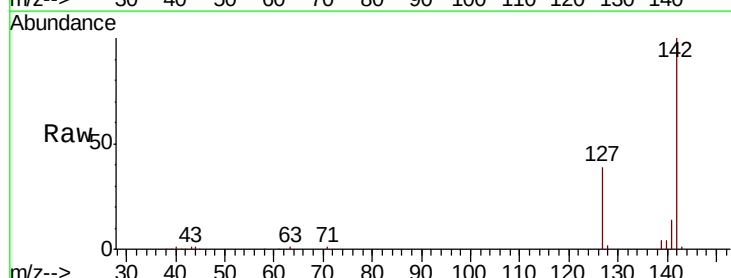
RT: 3.95 min Scan# 735

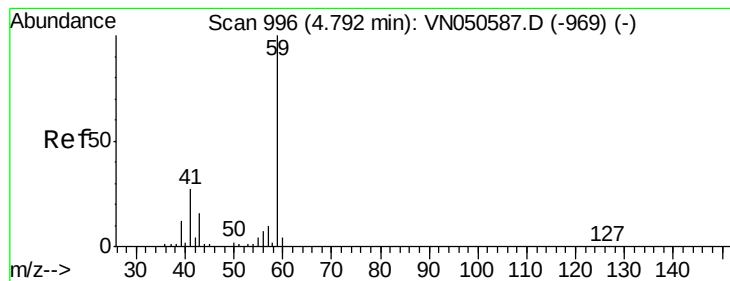
Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Tgt Ion:	142	Resp:	262101
Ion Ratio	Lower	Upper	
142	100		
127	39.8	32.6	49.0
141	14.5	11.5	17.3





#11

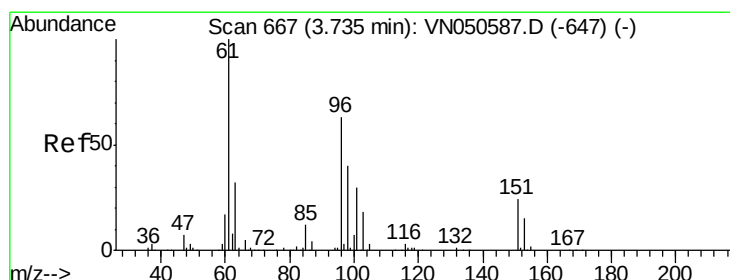
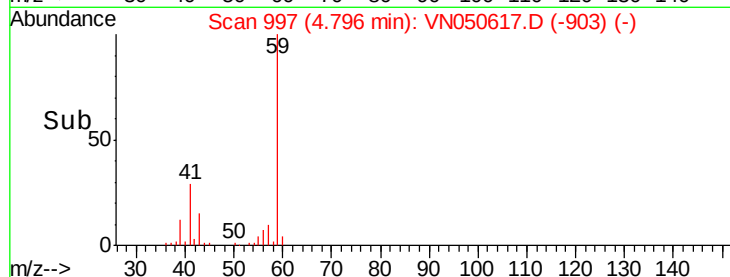
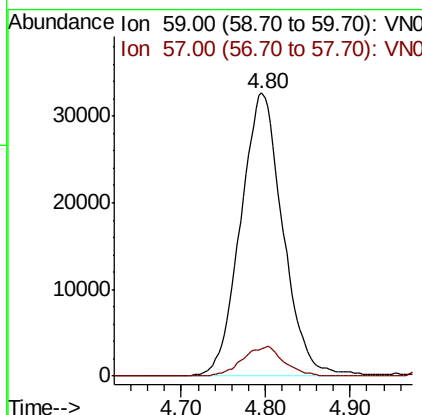
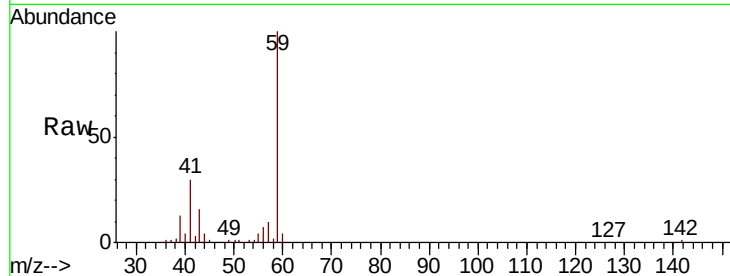
Tert butyl alcohol
 Concen: 251.13 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.4	12.6

Manual Integrations
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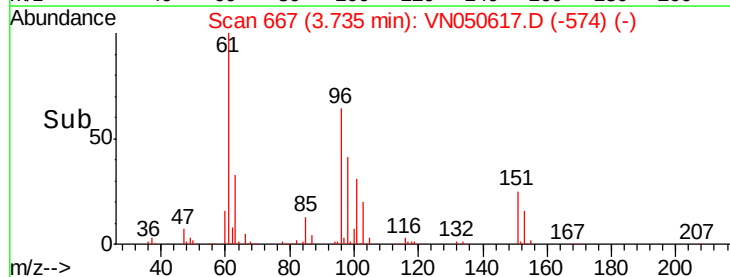
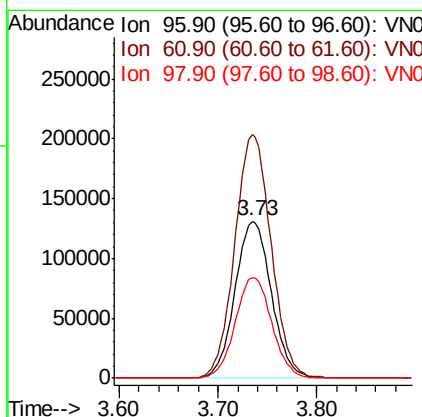
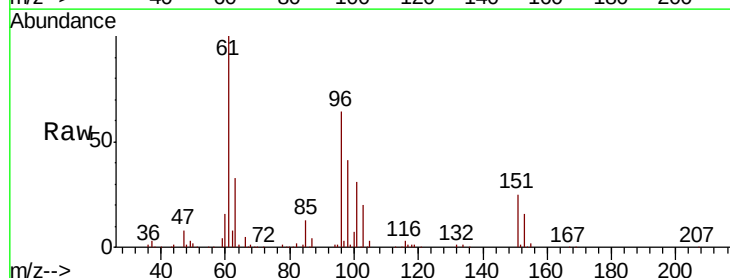
MMDadoda
 8/15/2018 3:32:16 PM

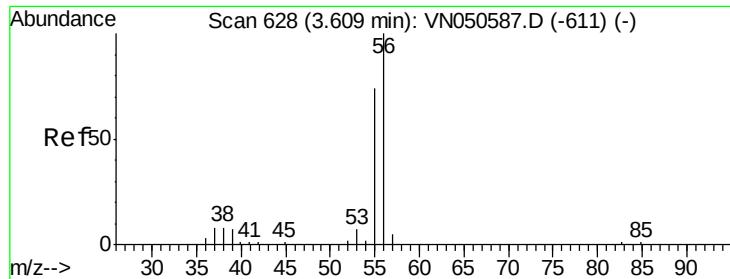


#12

1,1-Dichloroethene
 Concen: 47.06 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.0	126.9	190.3
98	64.0	51.1	76.7





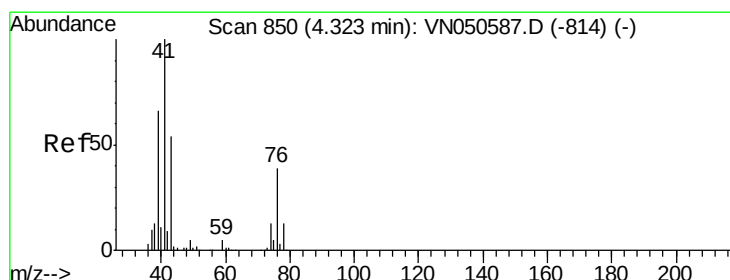
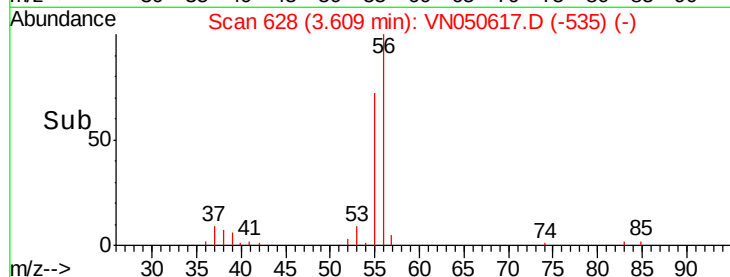
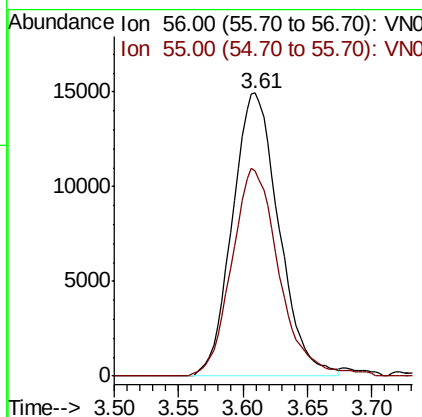
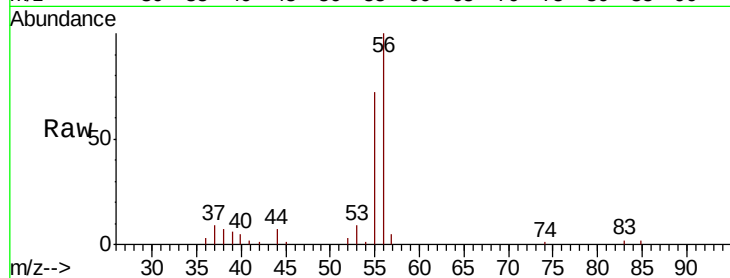
#13
Acrolein
Concen: 216.98 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	100	74.8	Resp	37479	Lower	56.3	Upper	84.5
Ion											

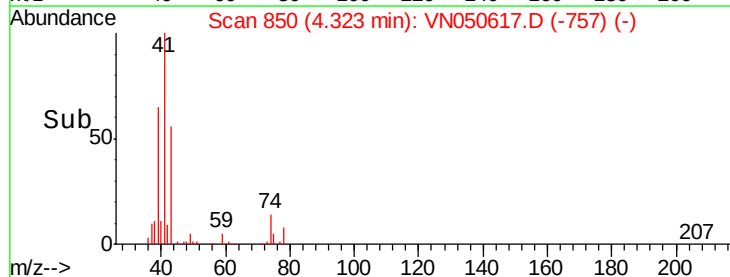
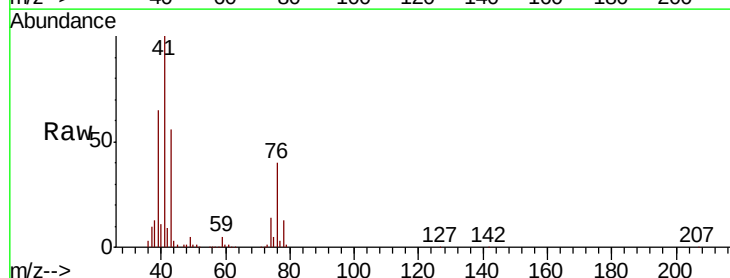
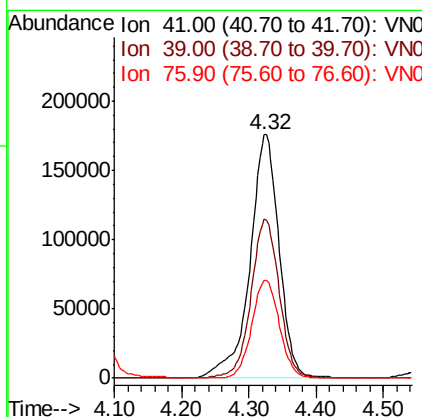
Manual Integrations
APPROVED

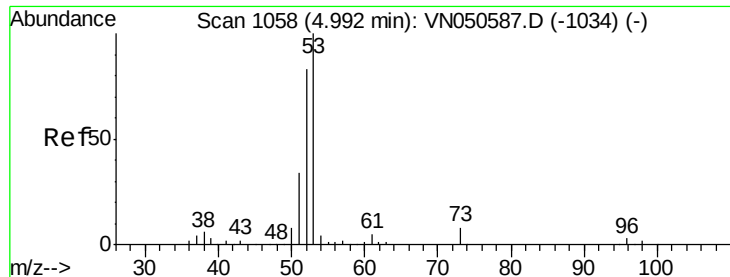
MMDadoda
8/15/2018 3:32:16 PM



#14
Allyl chloride
Concen: 47.79 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Tgt Ion	41	39	76	Ratio	100	63.4	37.4	Resp	528042	Lower	51.4	Upper	77.0	44.0
Ion														





#15

Acrylonitrile

Concen: 251.13 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_N

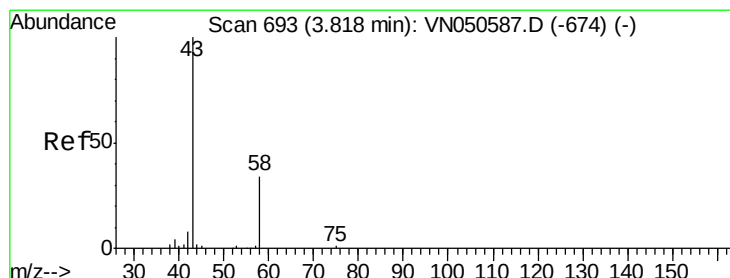
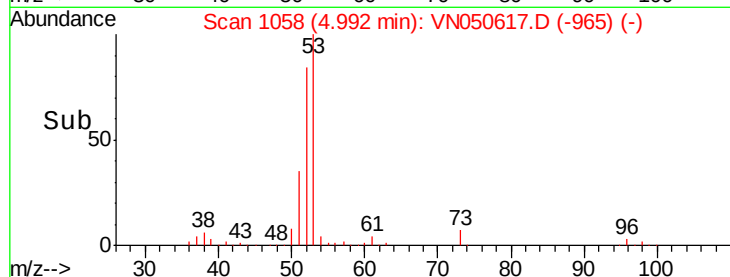
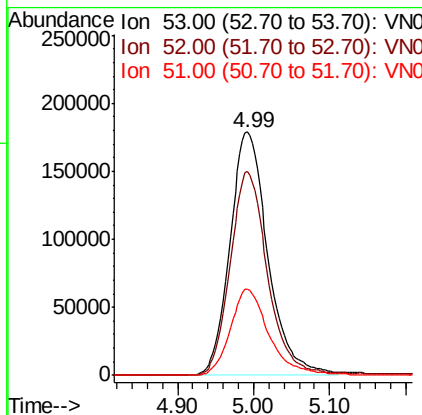
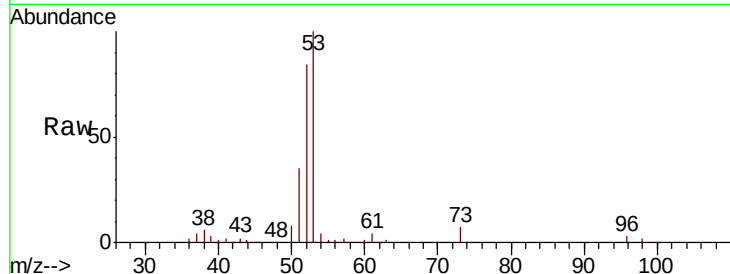
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	621510
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	36.2	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 257.78 ug/l

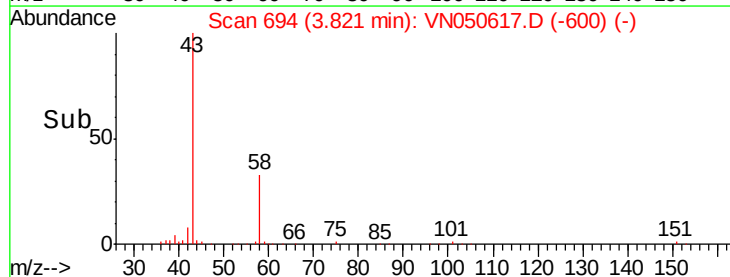
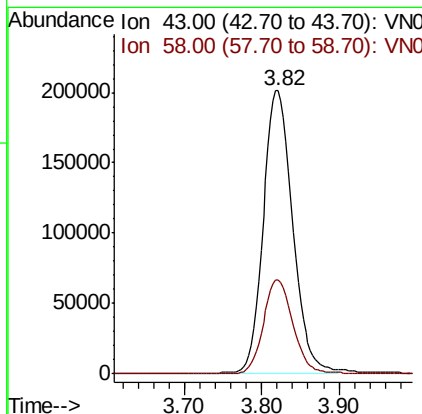
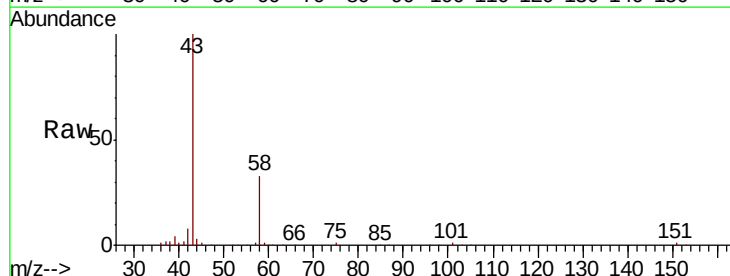
RT: 3.82 min Scan# 694

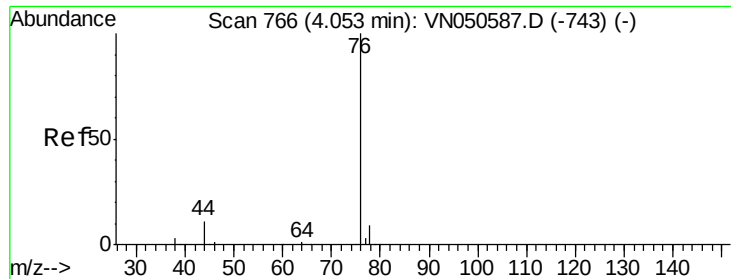
Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Tgt Ion:	43	Resp:	531072
Ion	Ratio	Lower	Upper
43	100		
58	33.2	27.1	40.7





#17

Carbon Disulfide

Concen: 47.06 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1052025

Ion Ratio Lower Upper

76 100

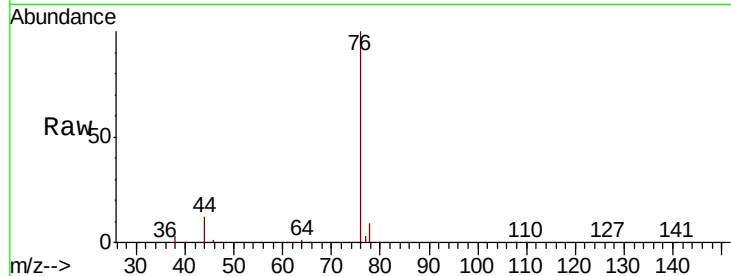
78 9.1 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN050587.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050587.D (-743) (-)

4.05

400000

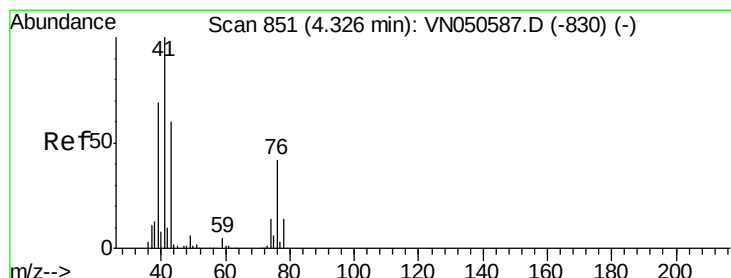
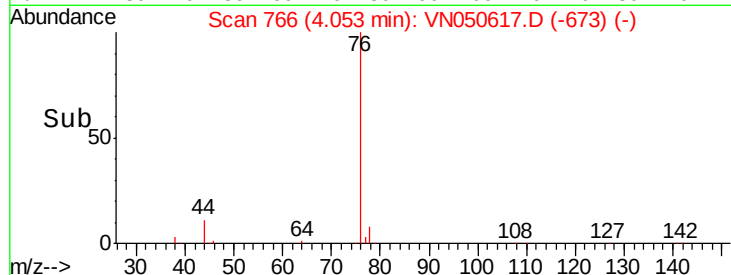
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 51.34 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050617.D

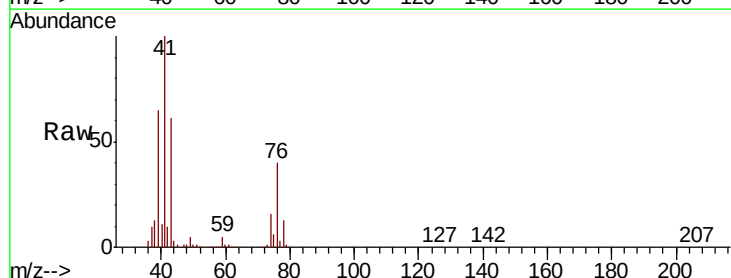
Acq: 14 Aug 2018 21:46

Tgt Ion: 43 Resp: 297436

Ion Ratio Lower Upper

43 100

74 25.0 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-830) (-)

Ion 74.00 (73.70 to 74.70): VN050587.D (-830) (-)

4.33

120000

100000

80000

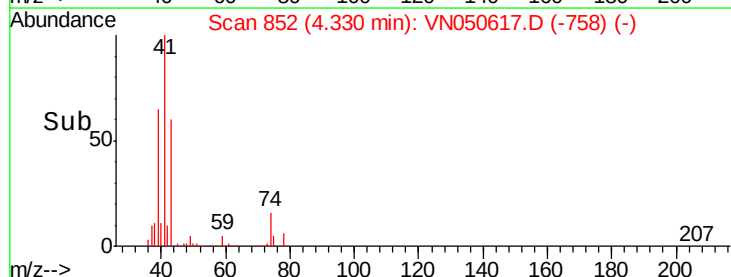
60000

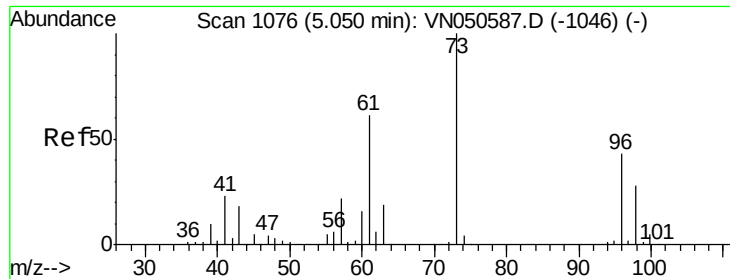
40000

20000

0

Time-->





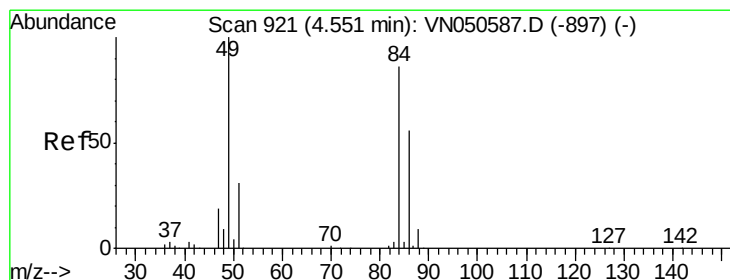
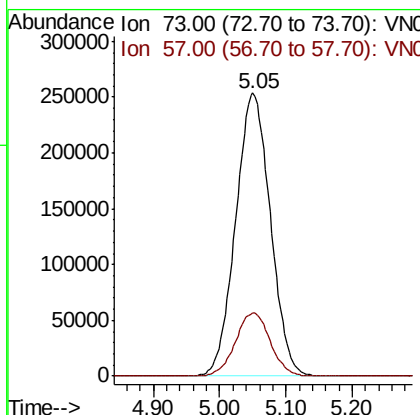
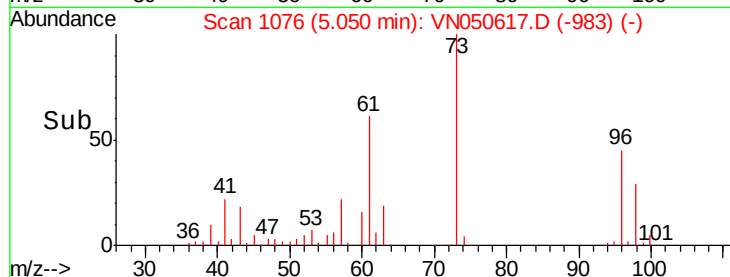
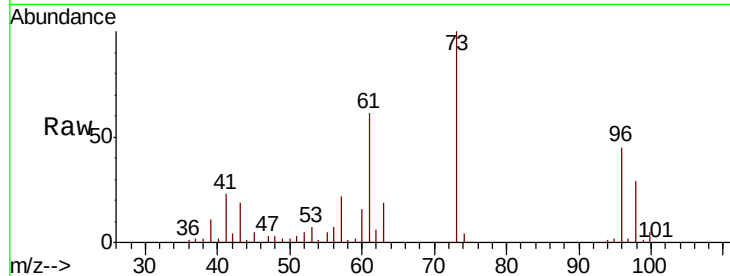
#19
Methvl tert-butyl Ether
Concen: 51.12 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.9	26.9

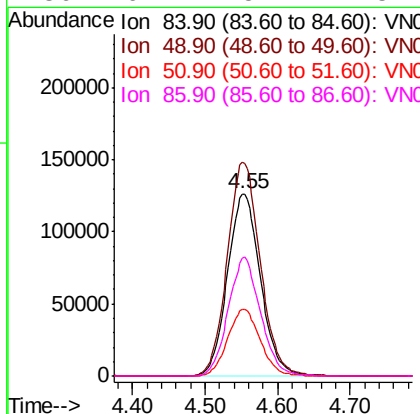
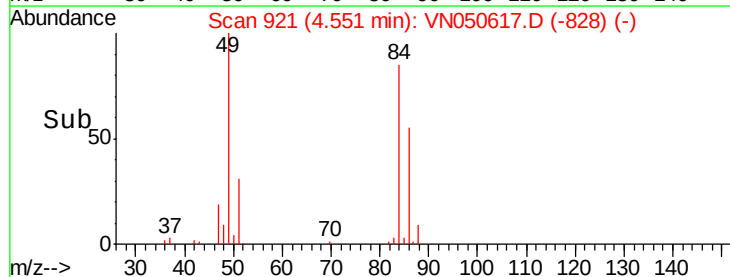
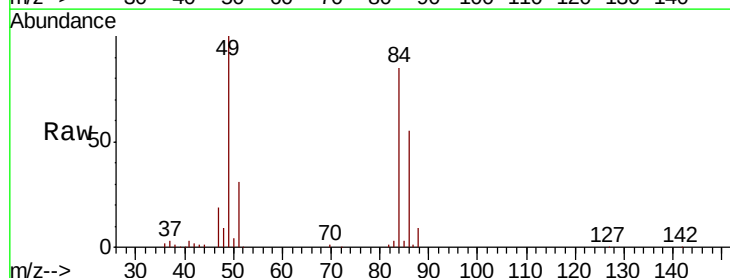
Manual Integrations
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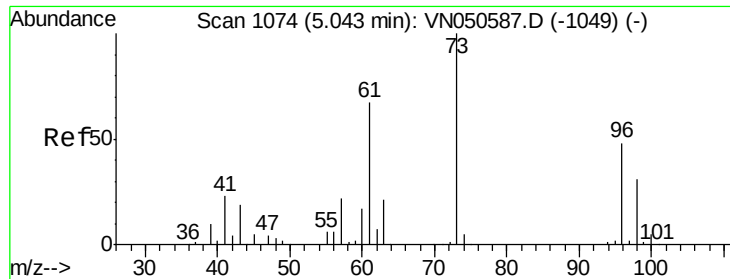
MMDadoda
8/15/2018 3:32:16 PM



#20
Methylene Chloride
Concen: 50.97 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.1	92.6	138.8
51	36.6	28.6	43.0
86	64.7	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 48.47 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 373272

Ion Ratio Lower Upper

96 100

61 136.7 111.2 166.8

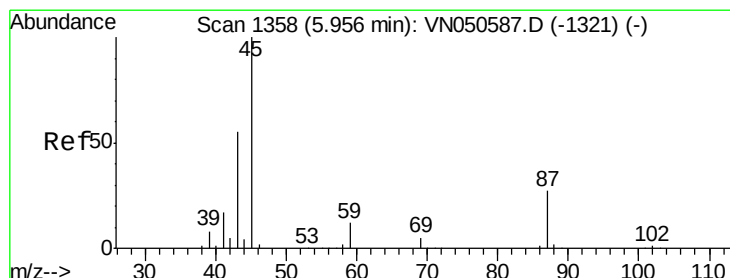
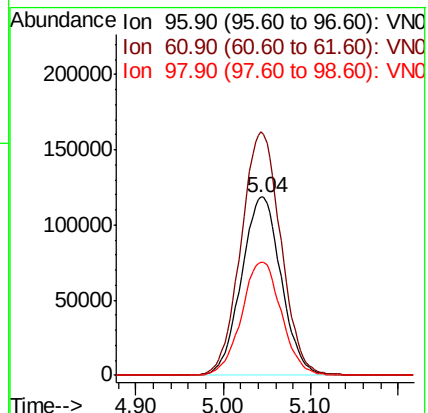
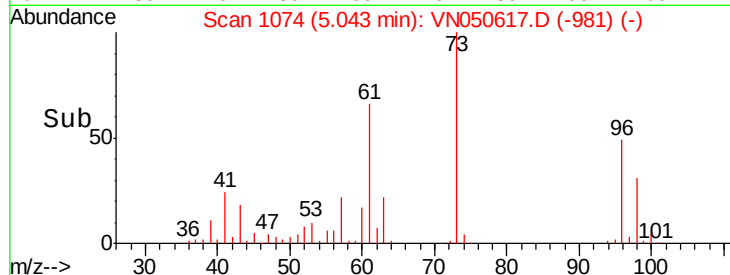
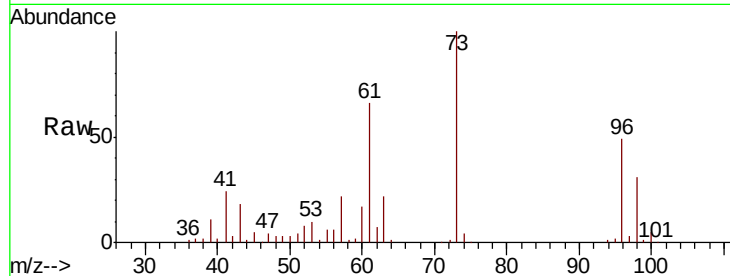
98 63.4 51.6 77.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 51.71 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Tgt Ion: 45 Resp: 1171610

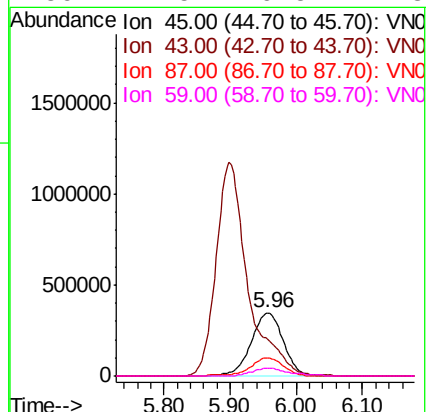
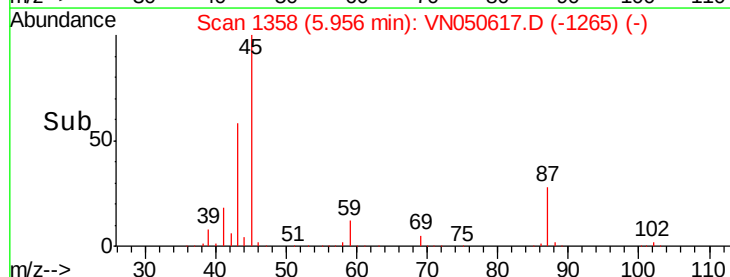
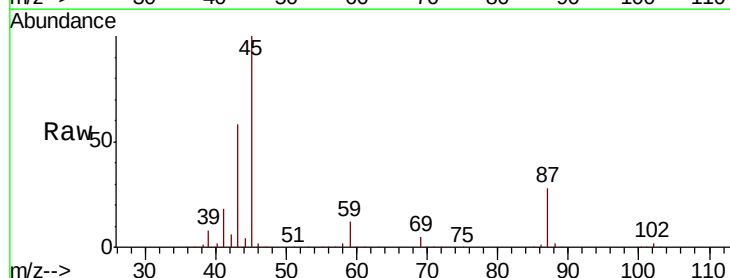
Ion Ratio Lower Upper

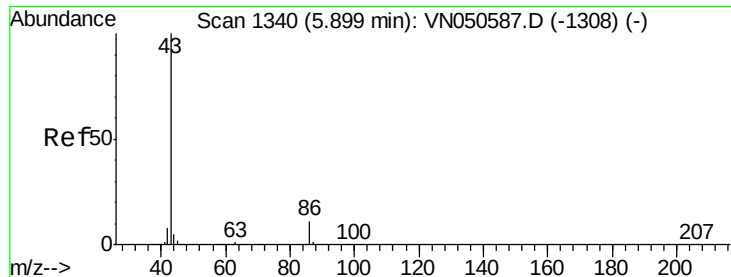
45 100

43 56.9 44.5 66.7

87 28.3 22.2 33.2

59 11.5 9.5 14.3





#23

Vinyl Acetate

Concen: 264.14 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 3914618

Ion Ratio Lower Upper

43 100

86 10.5

8.4

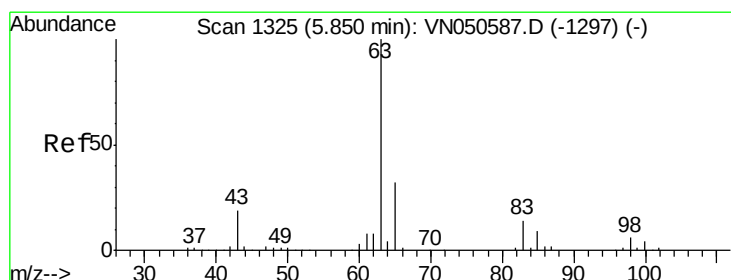
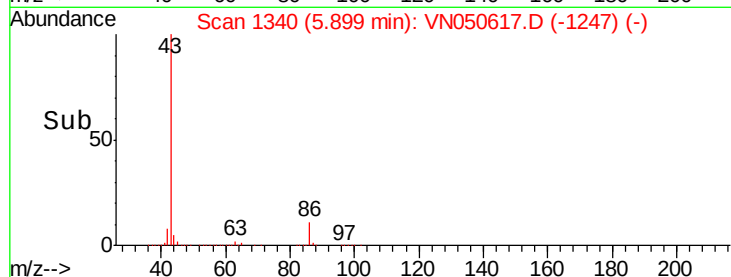
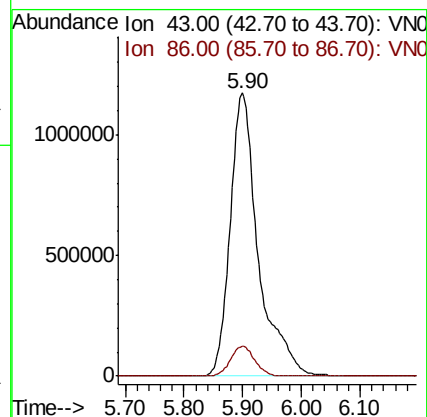
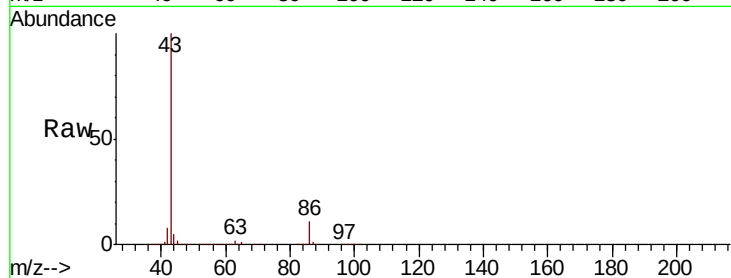
12.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.09 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Tgt Ion: 63 Resp: 690290

Ion Ratio Lower Upper

63 100

98 6.4

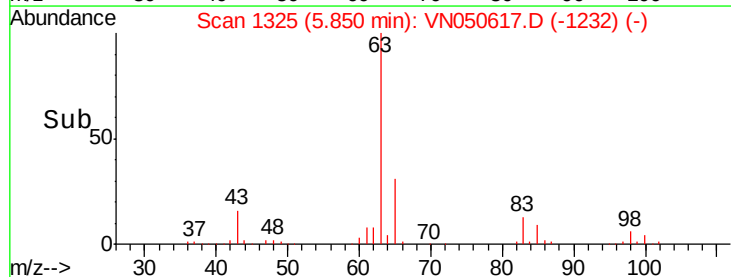
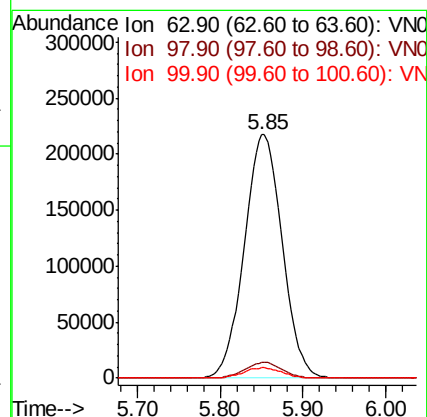
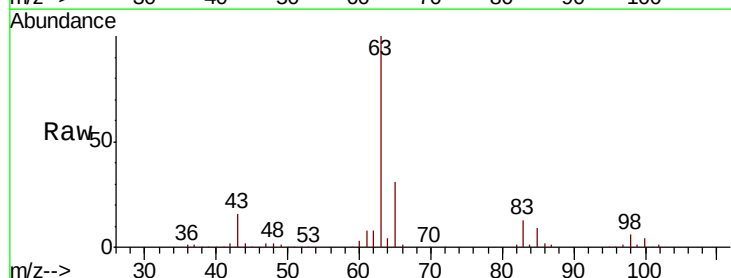
3.2

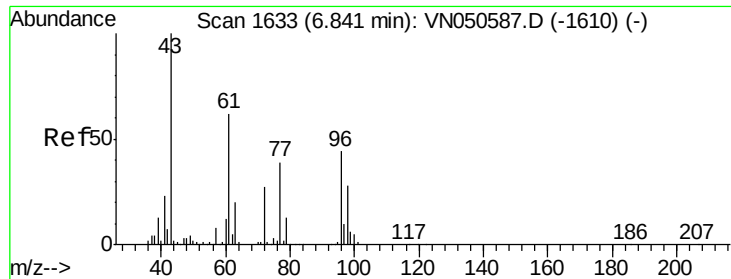
9.6

100 4.2

2.1

6.5





#25

2-Butanone

Concen: 257.65 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 871771

Ion Ratio Lower Upper

43 100

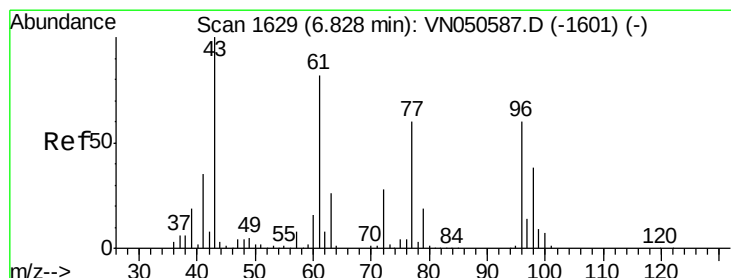
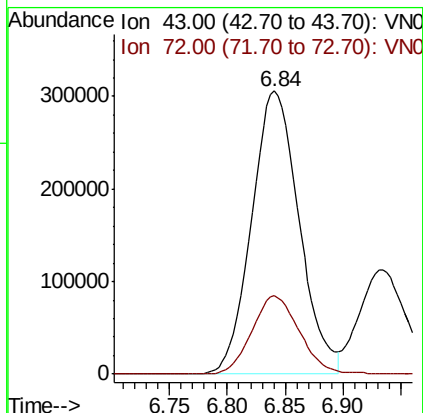
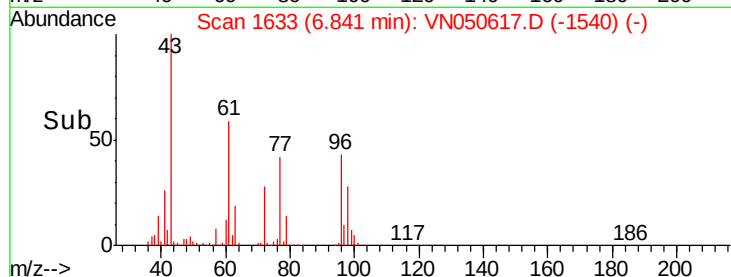
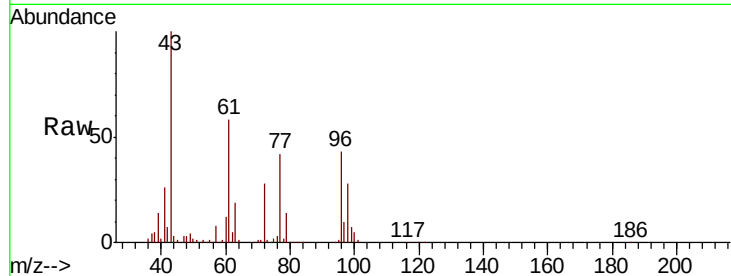
72 27.6 21.8 32.6

Manual Integrations

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MMDadoda

8/15/2018 3:32:16 PM



#26

2,2-Dichloropropane

Concen: 51.16 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050617.D

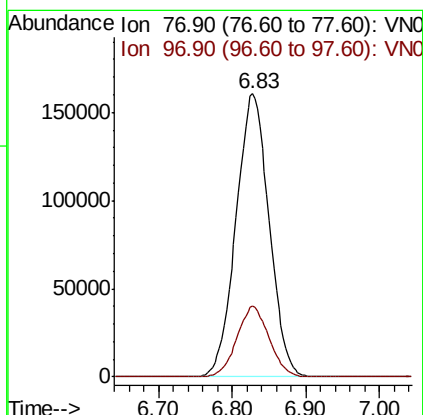
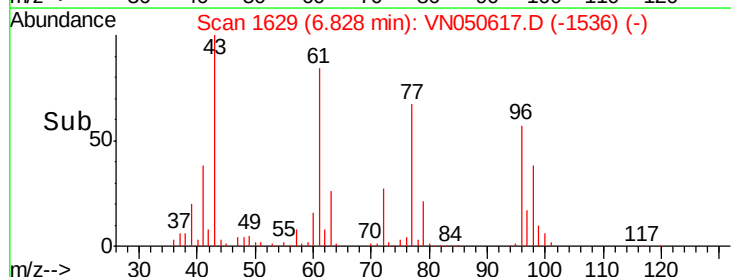
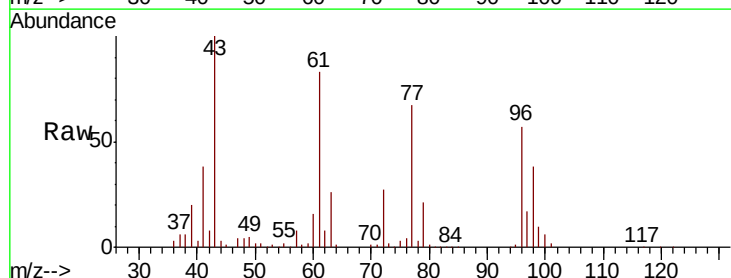
Acq: 14 Aug 2018 21:46

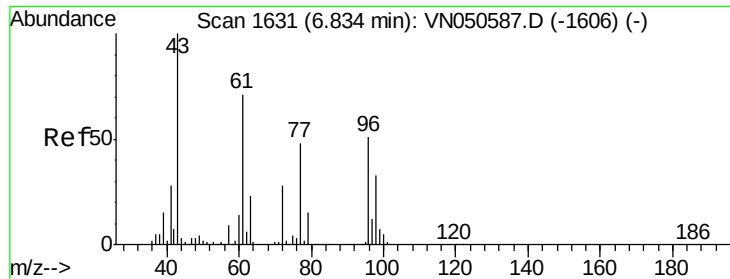
Tgt Ion: 77 Resp: 502003

Ion Ratio Lower Upper

77 100

97 24.3 12.2 36.4





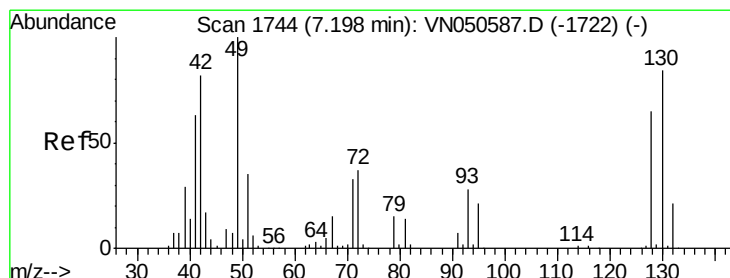
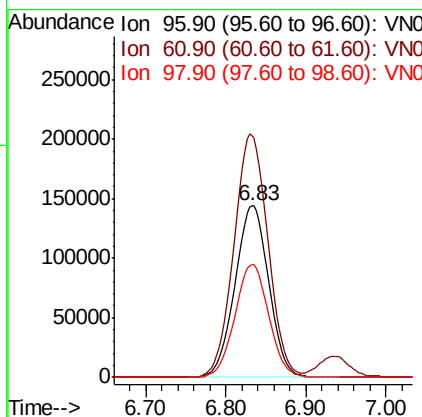
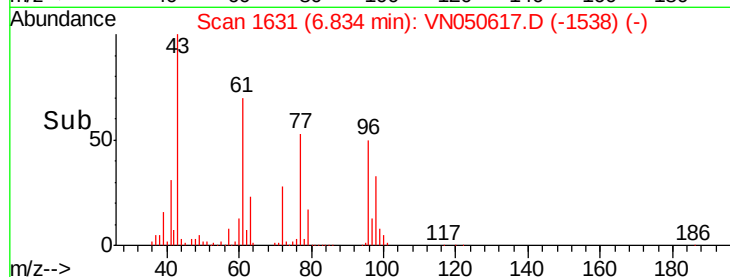
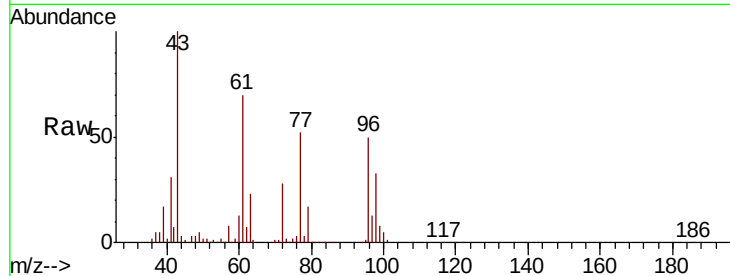
#27
 cis-1,2-Dichloroethene
 Concen: 48.03 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	411894		
61	142.3	0.0	278.2	
98	65.7	0.0	128.8	

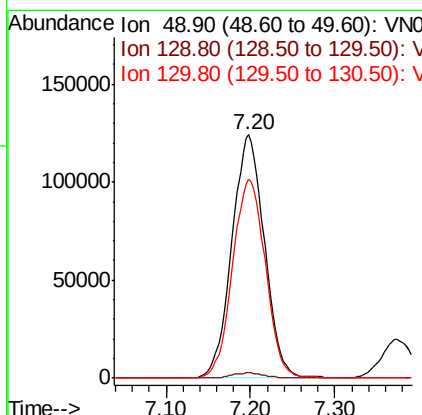
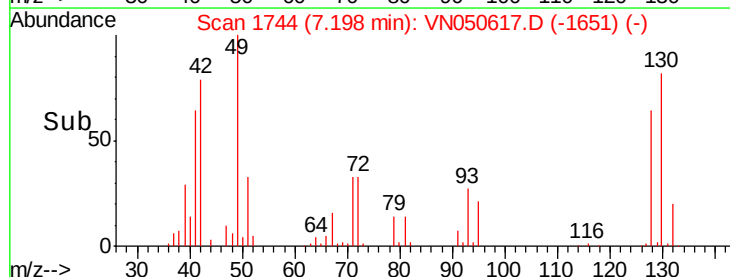
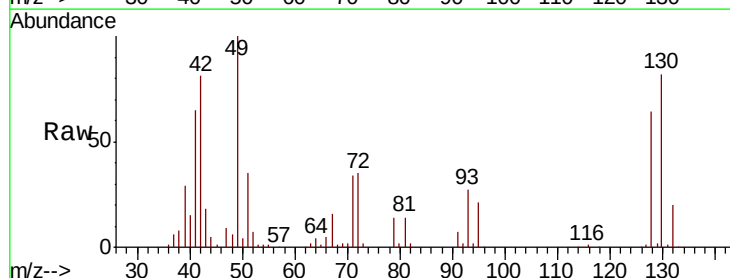
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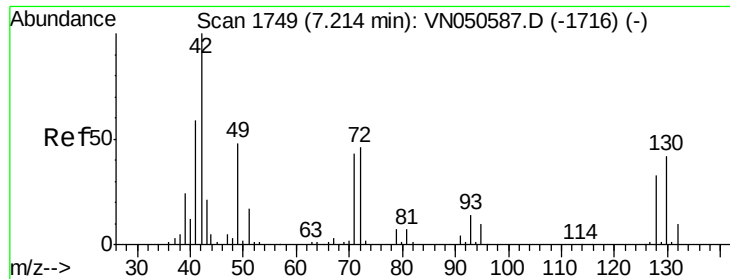
MMDadoda
 8/15/2018 3:32:16 PM



#28
 Bromochloromethane
 Concen: 50.03 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	333787		
129	2.2	0.0	4.2	
130	82.5	66.8	100.2	





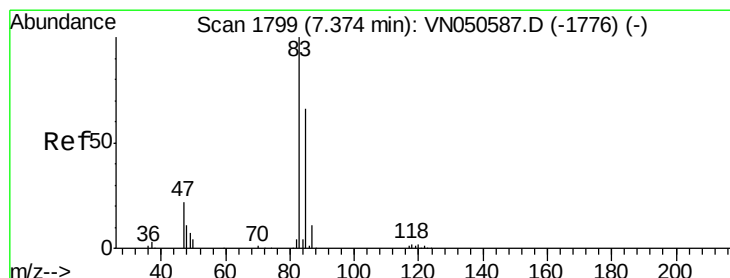
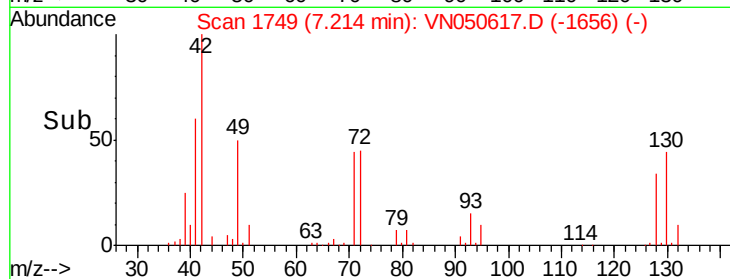
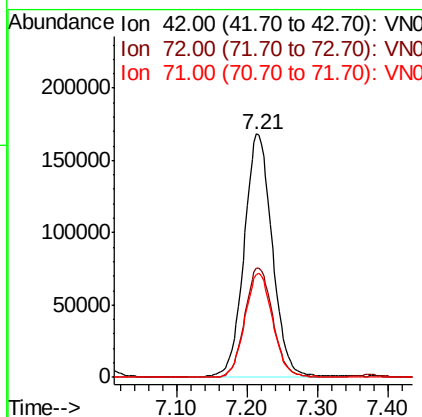
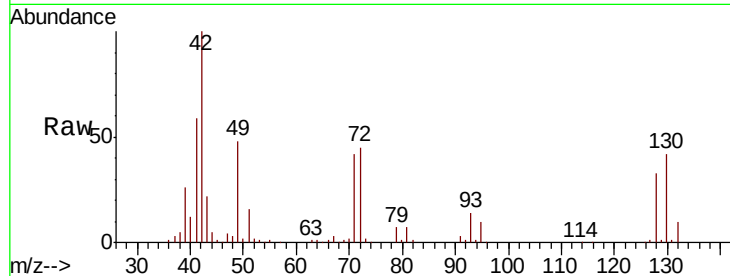
#29
Tetrahydrofuran
Concen: 263.86 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.8	53.6
71	42.2	33.4	50.0

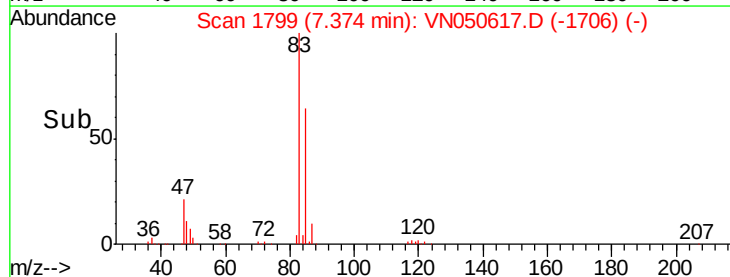
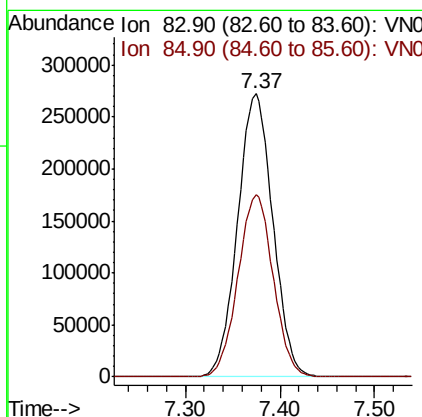
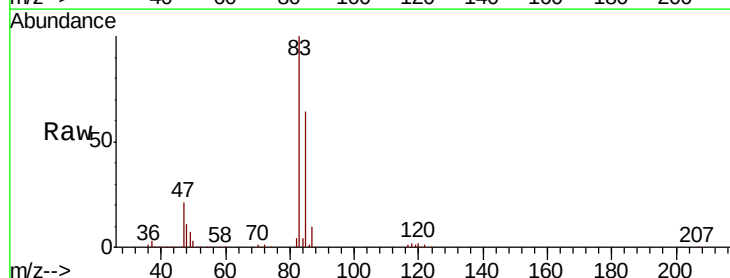
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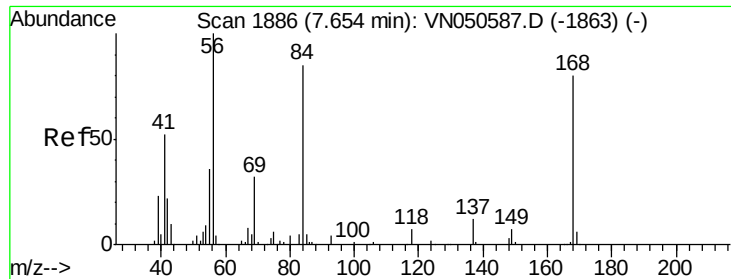
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#30
Chloroform
Concen: 47.53 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.5	78.7





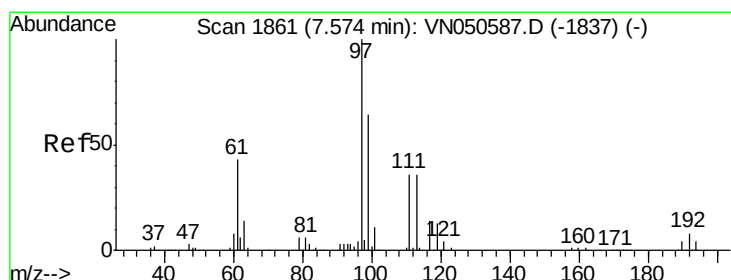
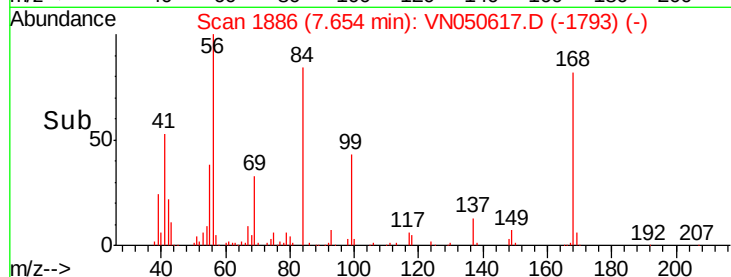
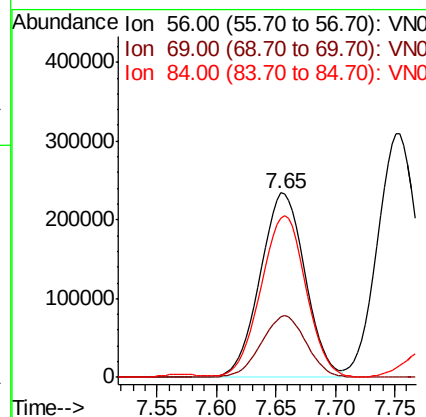
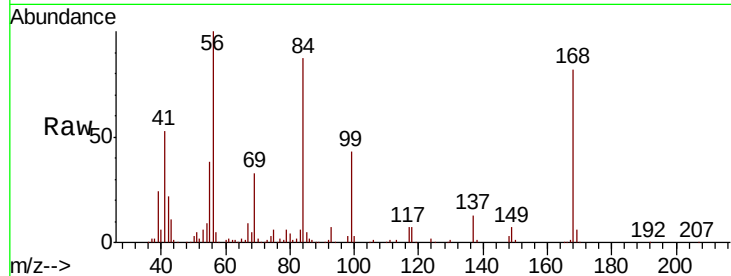
#31
Cyclohexane
Concen: 49.13 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	25.8	38.6
84	85.2	67.8	101.6

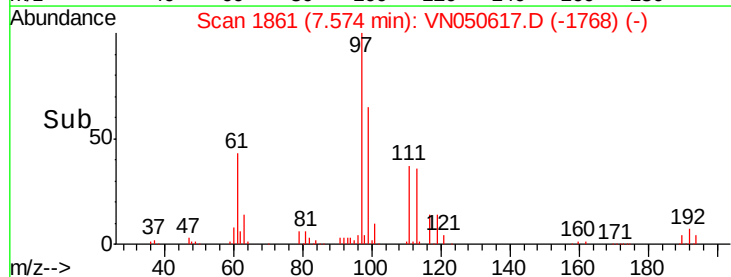
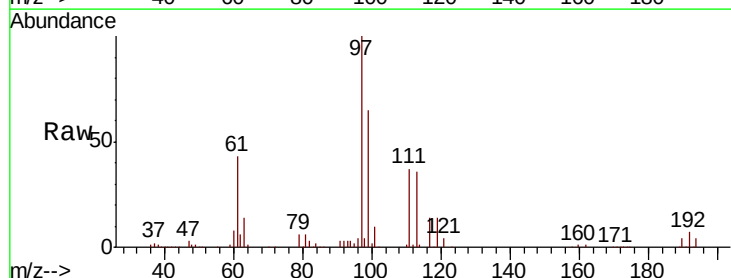
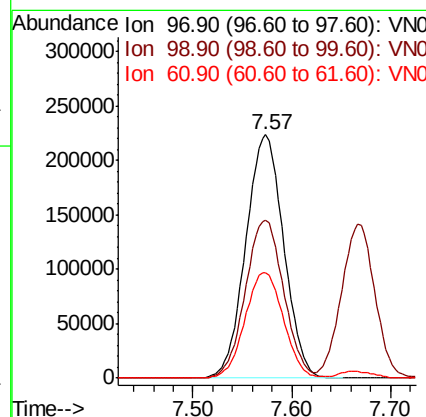
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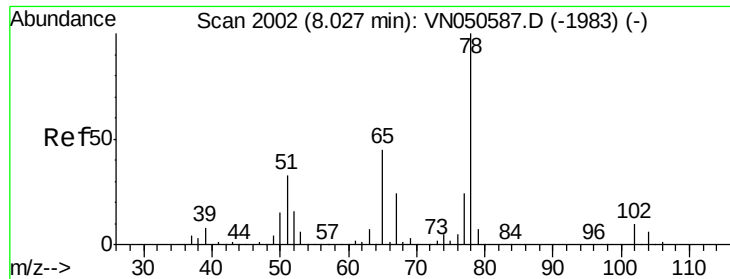
MMDadoda
8/15/2018 3:32:16 PM



#32
1,1,1-Trichloroethane
Concen: 47.53 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.1	76.7
61	44.0	34.8	52.2





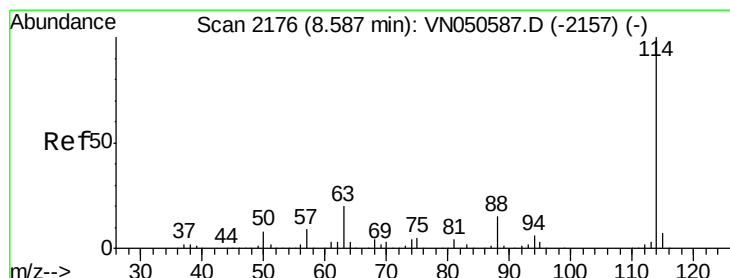
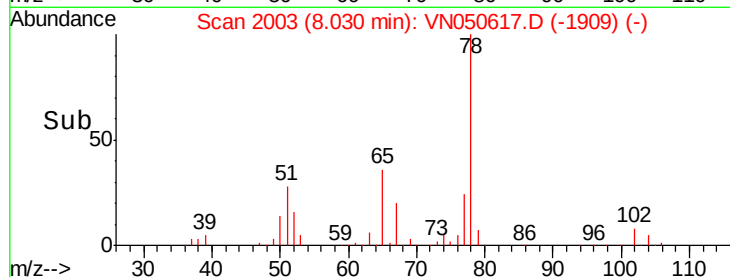
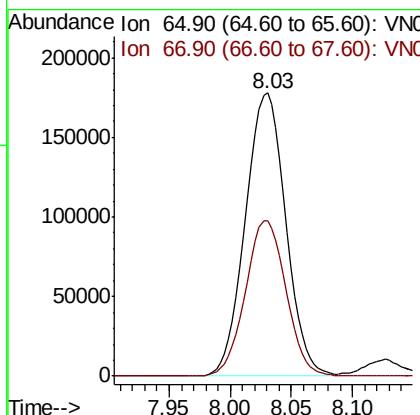
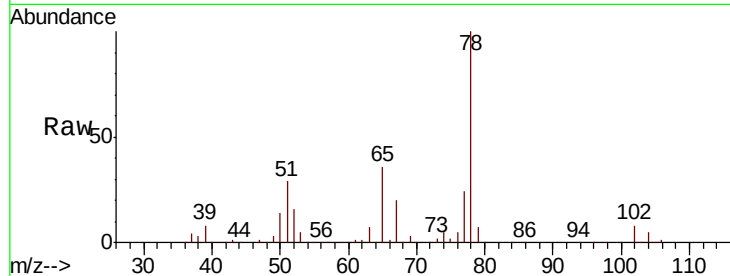
#33
 1,2-Dichloroethane-d4
 Concen: 49.43 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.1	0.0	109.8	

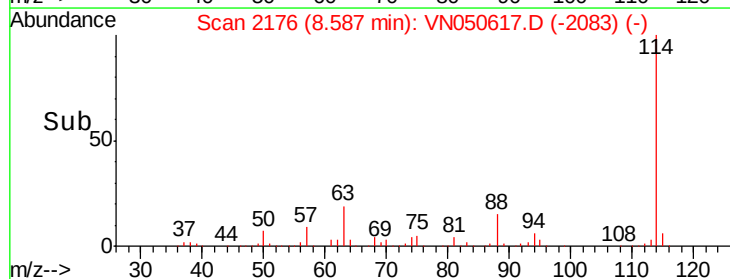
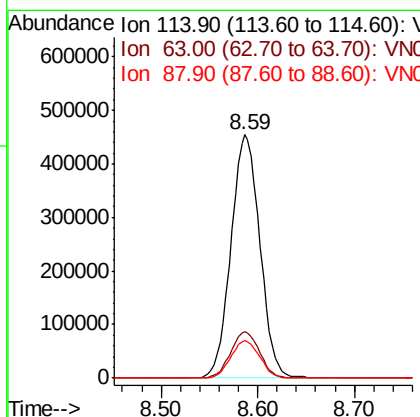
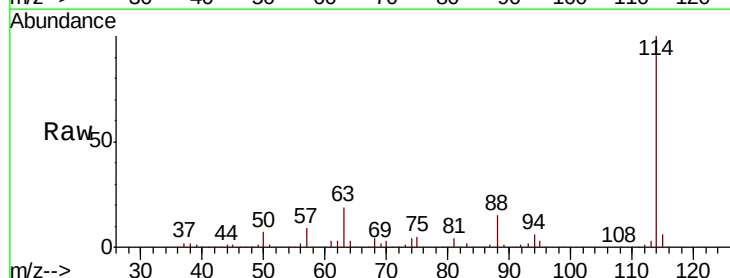
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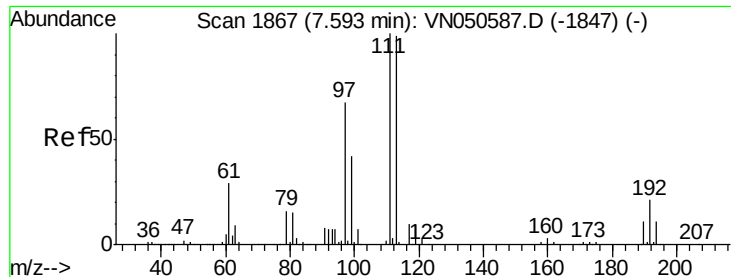
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.1	0.0	40.0	
88	15.3	0.0	30.8	





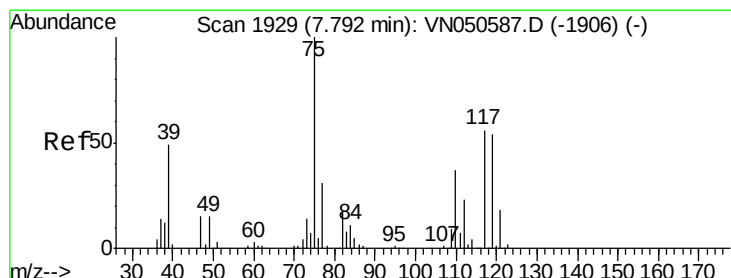
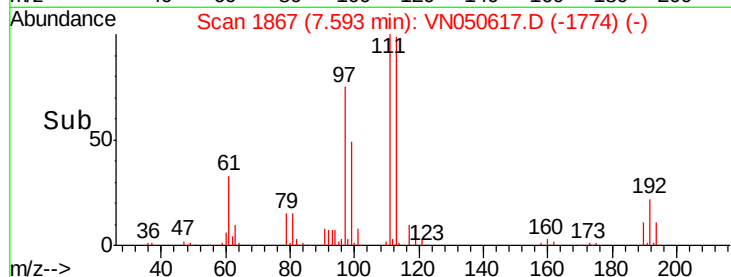
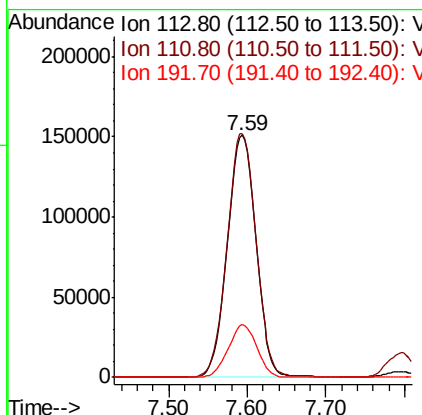
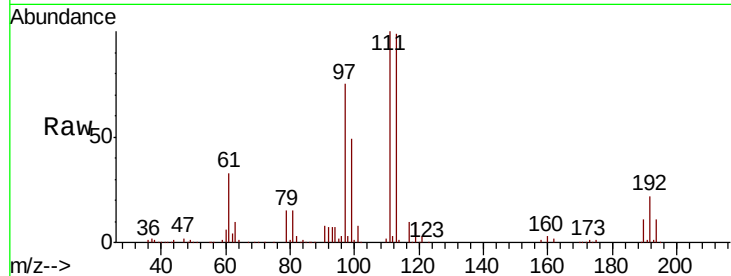
#35
 Dibromofluoromethane
 Concen: 50.81 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.7	81.0	121.6	
192	21.6	17.6	26.4	

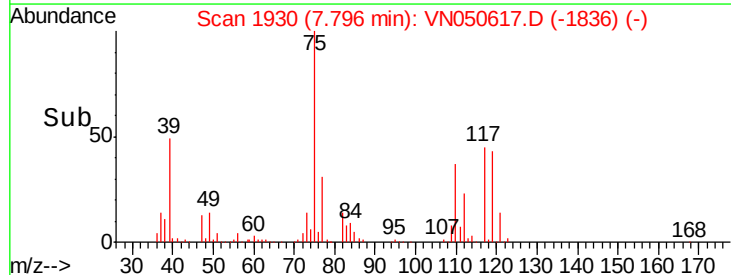
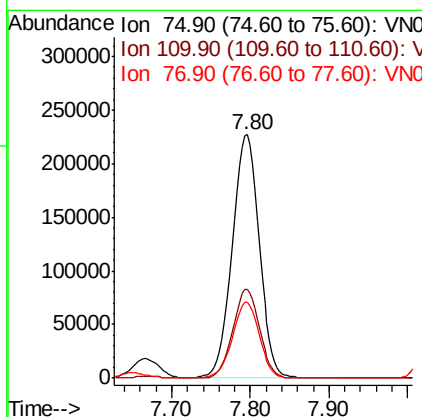
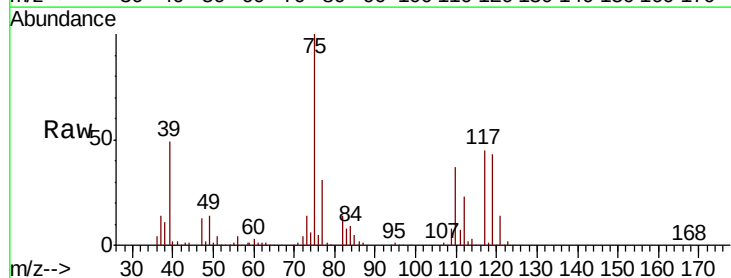
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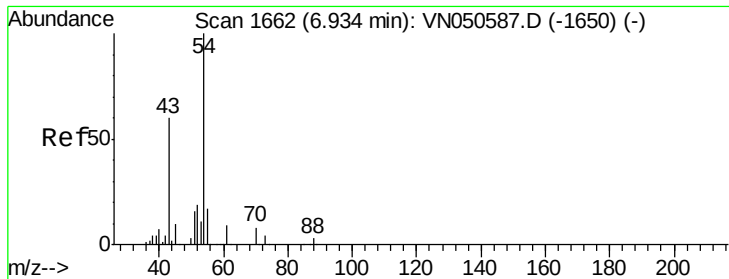
MMDadoda
 8/15/2018 3:32:16 PM



#36
 1,1-Dichloropropene
 Concen: 51.68 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.1	18.3	54.9	
77	31.4	25.0	37.4	





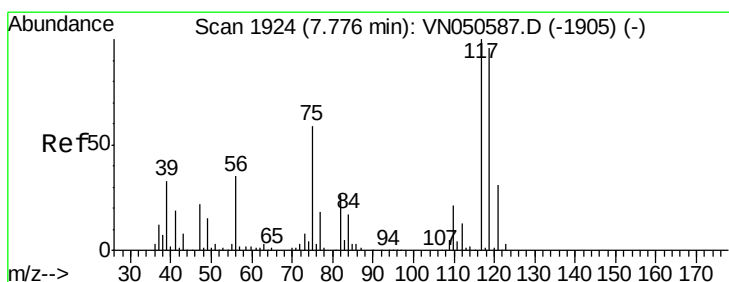
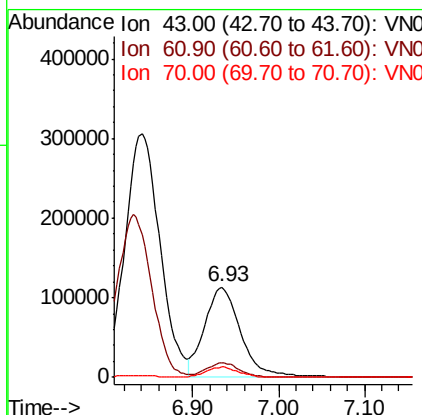
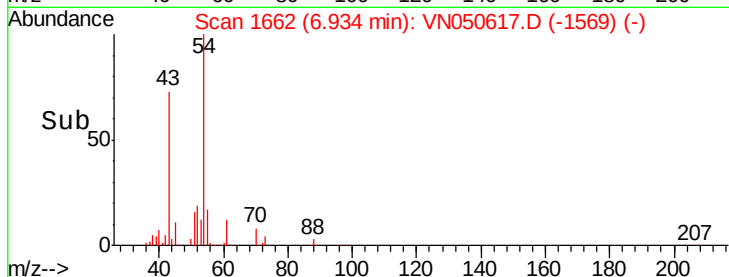
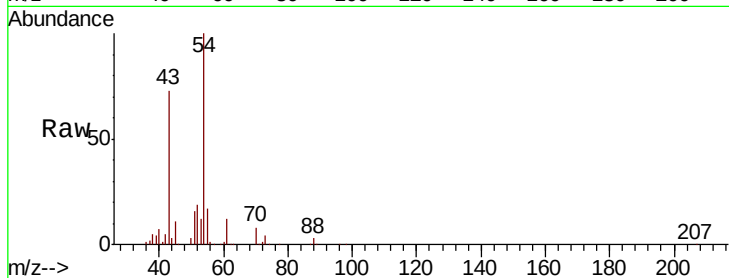
#37
Ethyl Acetate
Concen: 54.96 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.0	18.0
70	10.4	8.5	12.7

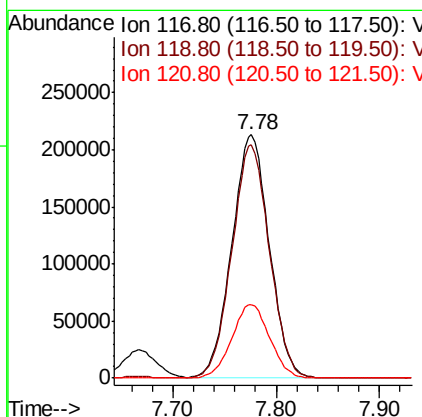
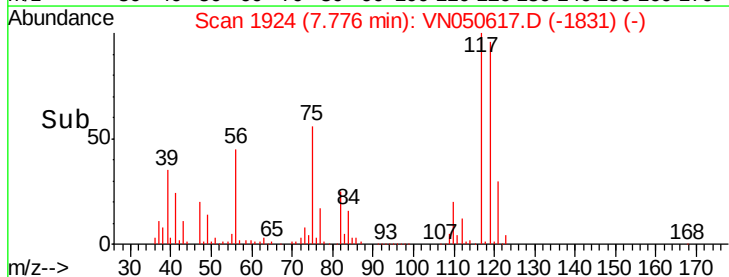
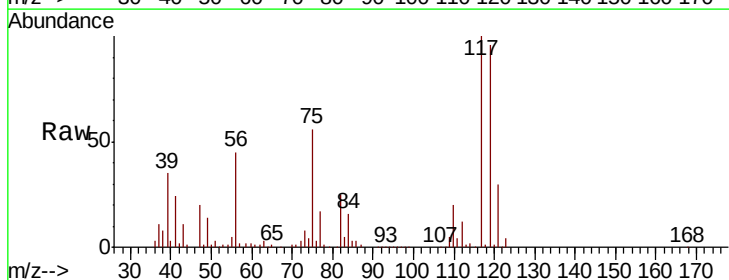
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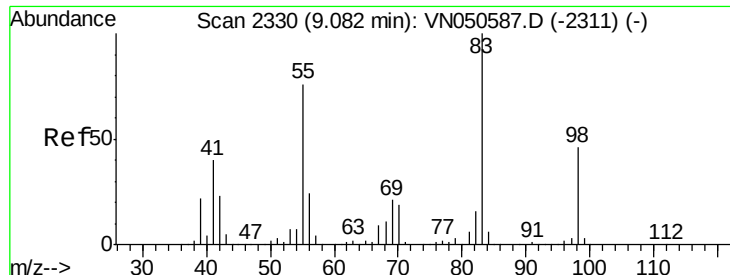
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#38
Carbon Tetrachloride
Concen: 49.32 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	115.0
121	30.4	25.0	37.6





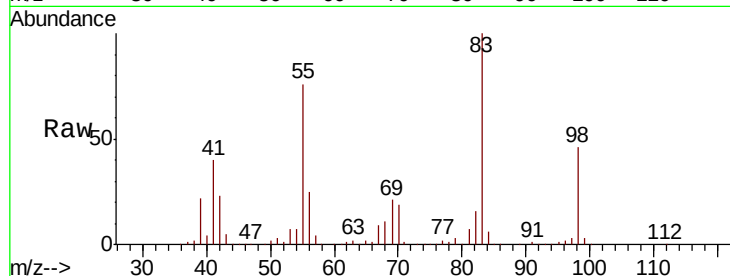
#39
Methylvlcyclohexane
Concen: 52.74 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

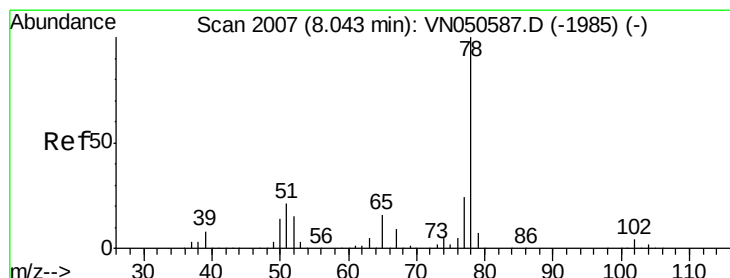
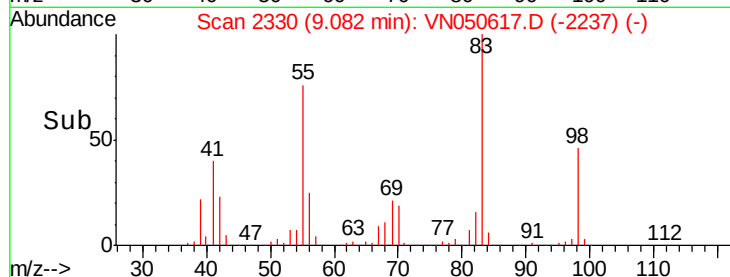
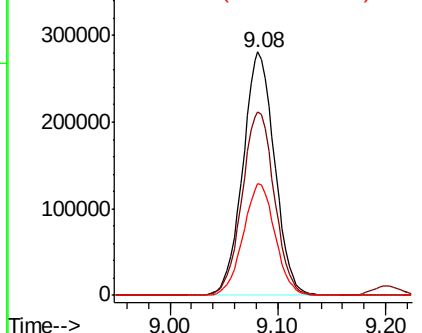
Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	60.6	91.0
98	45.9	37.0	55.4

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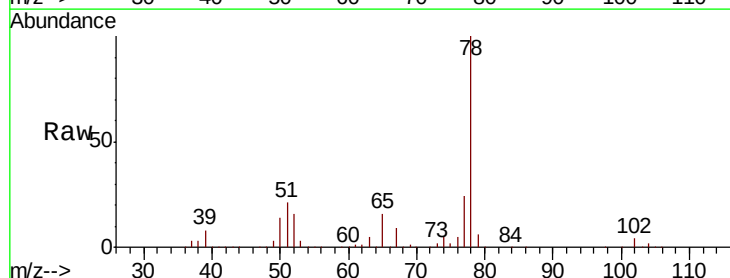


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

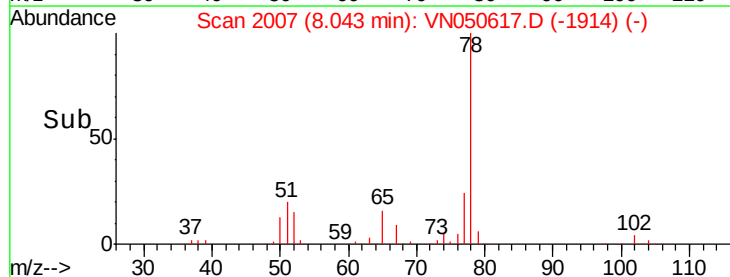
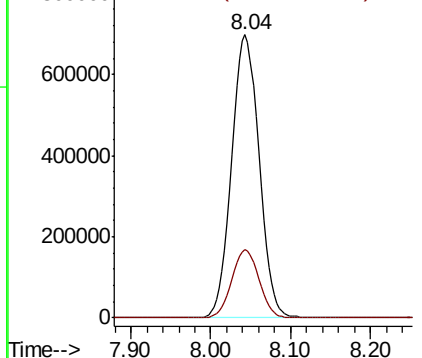


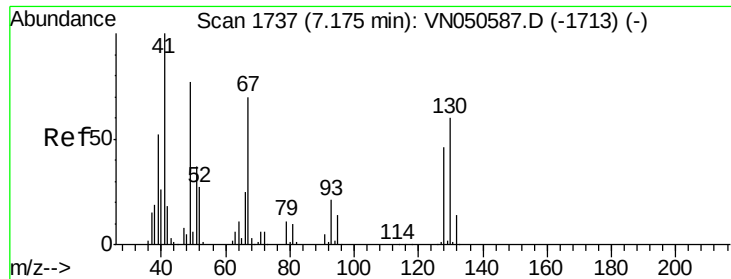
#40
Benzene
Concen: 50.78 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





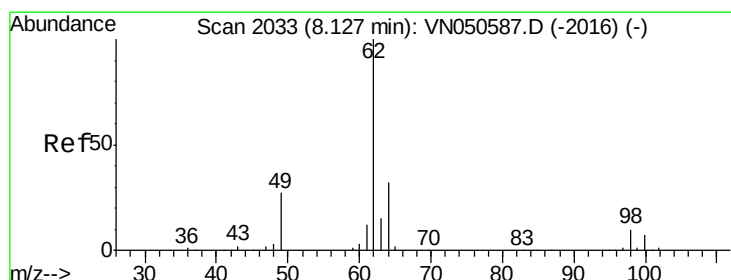
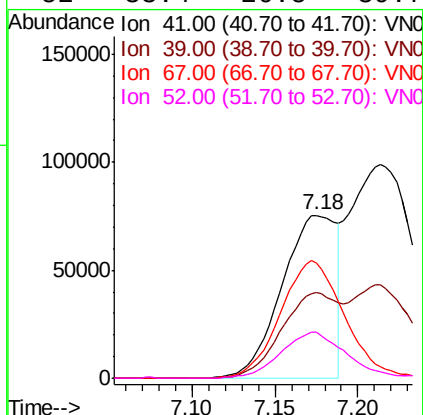
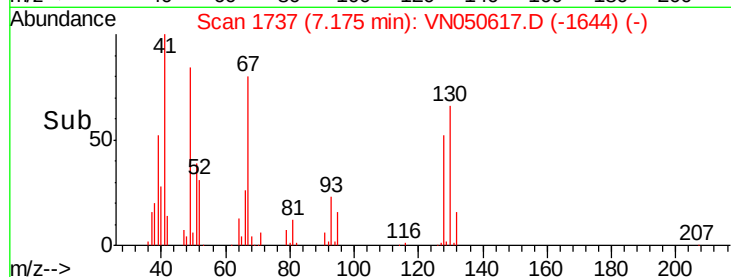
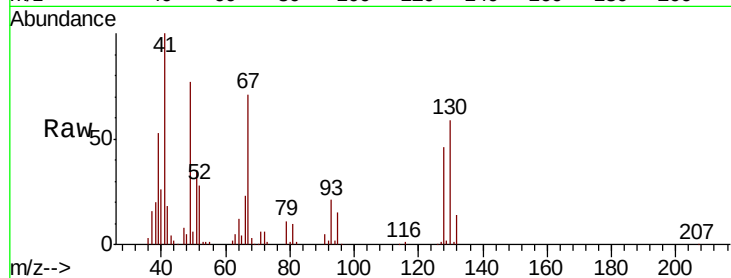
#41
Methacrylonitrile
Concen: 54.03 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.6	66.8
67	84.9	66.7	100.1
52	33.4	26.5	39.7

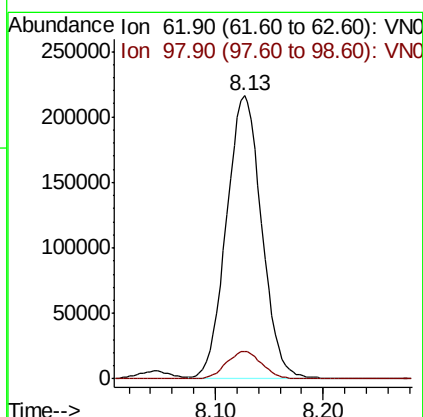
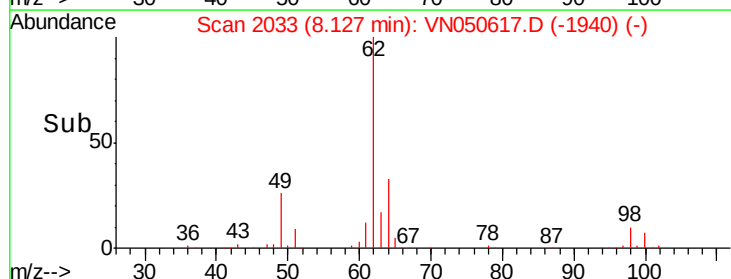
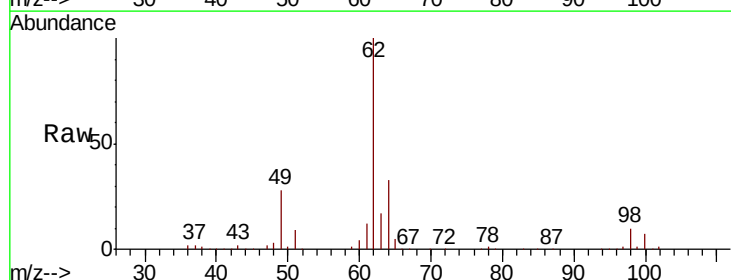
Manual Integrations
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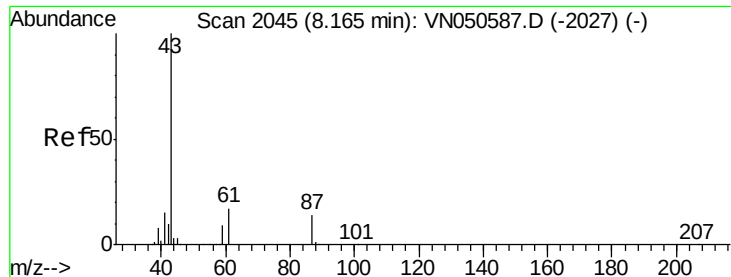
MMDadoda
8/15/2018 3:32:16 PM



#42
1,2-Dichloroethane
Concen: 50.11 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.4





#43

Isopropyl Acetate

Concen: 51.67 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_N

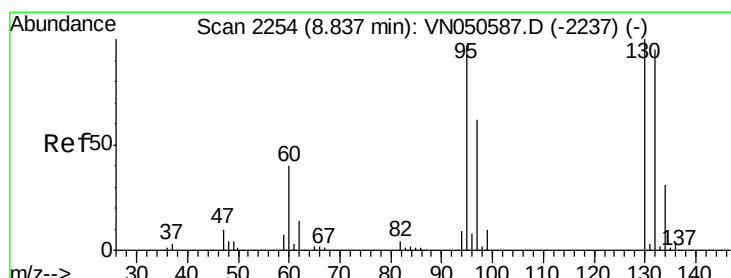
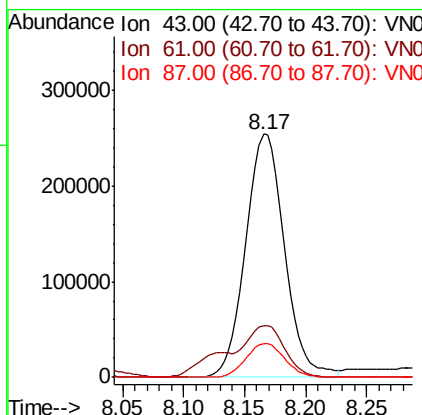
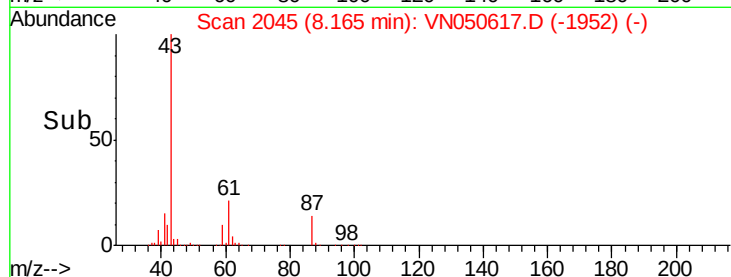
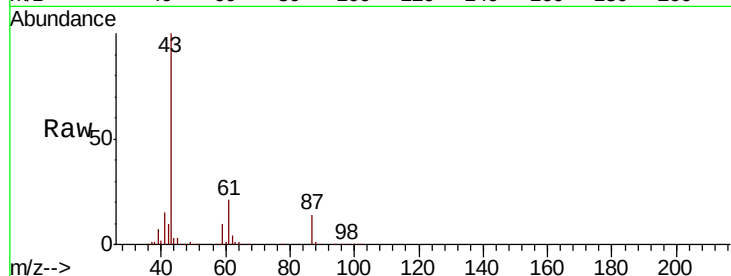
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	558921
Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.2	24.2
87	13.9	10.9	16.3

Manual Integrations
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#44

Trichloroethene

Concen: 48.91 ug/l

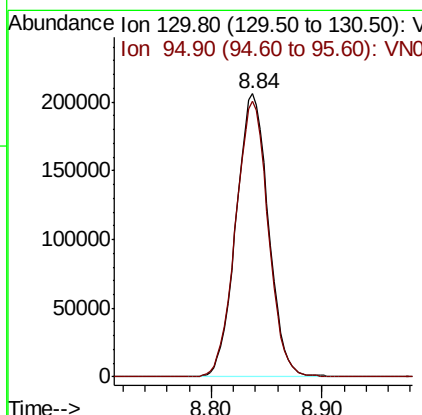
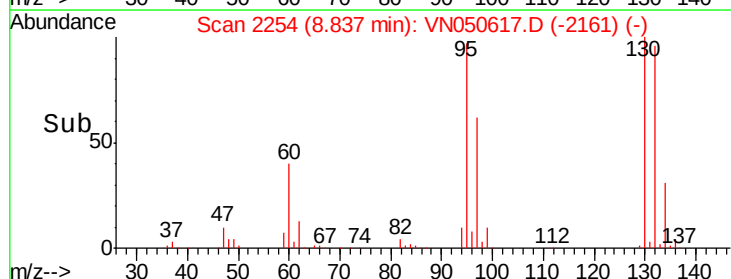
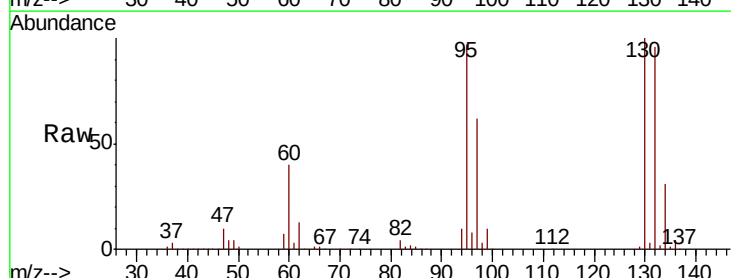
RT: 8.84 min Scan# 2254

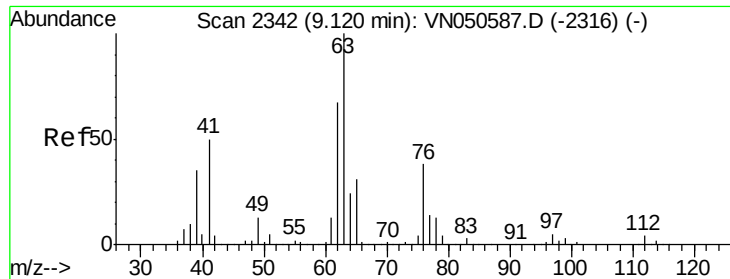
Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Tgt Ion:	130	Resp:	418523
Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	193.8





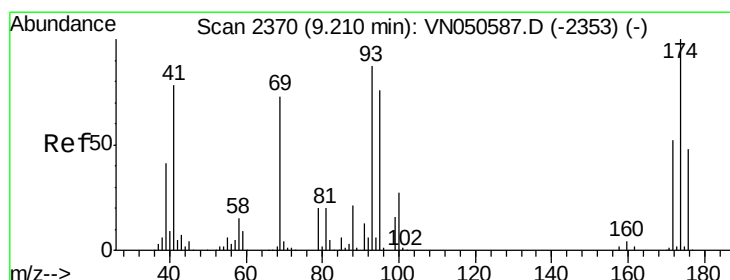
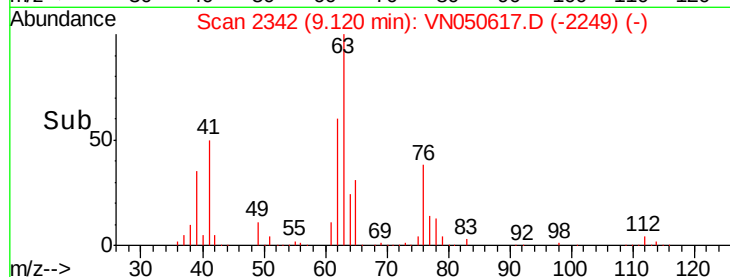
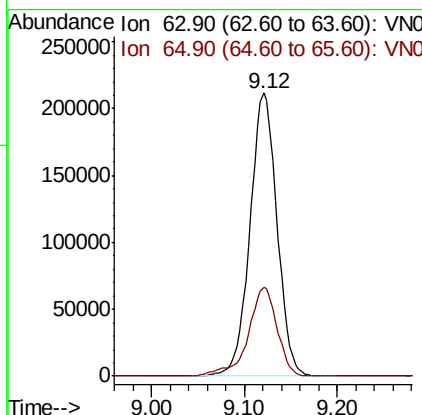
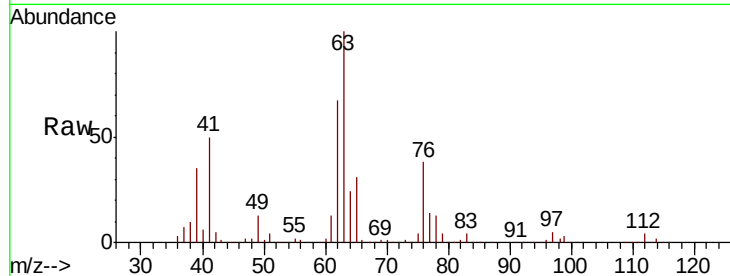
#45
 1,2-Dichloropropane
 Concen: 50.42 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.5	36.7

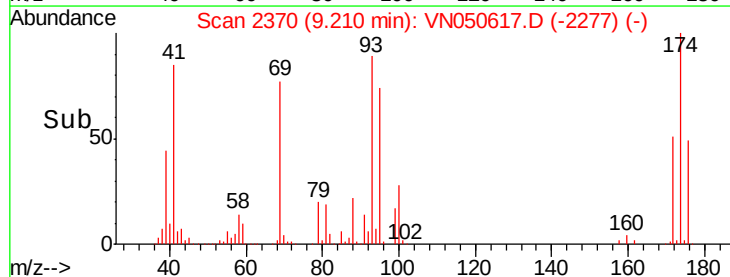
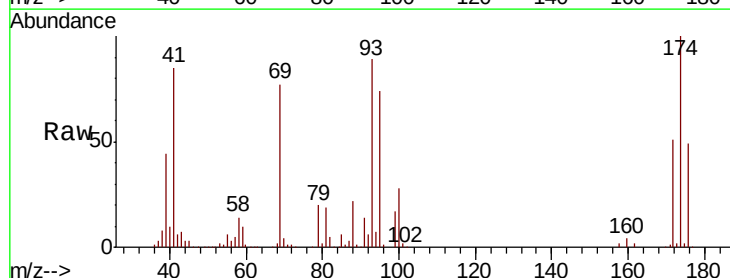
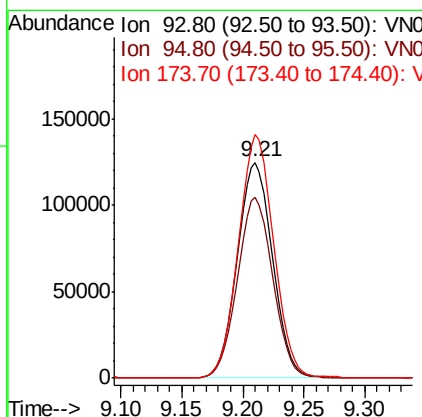
Manual Integrations
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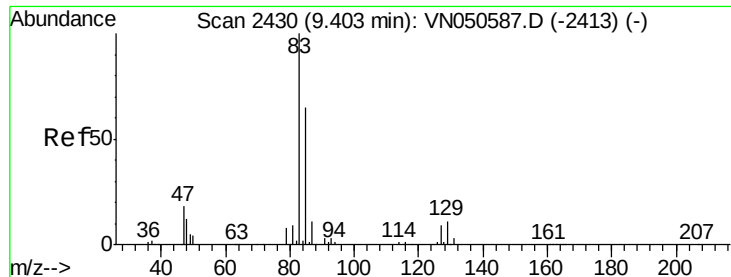
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#46
 Dibromomethane
 Concen: 49.93 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	69.1	103.7
174	112.4	91.0	136.6





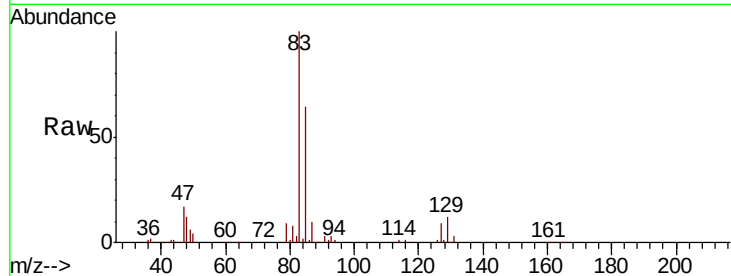
#47
Bromodichloromethane
Concen: 50.21 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

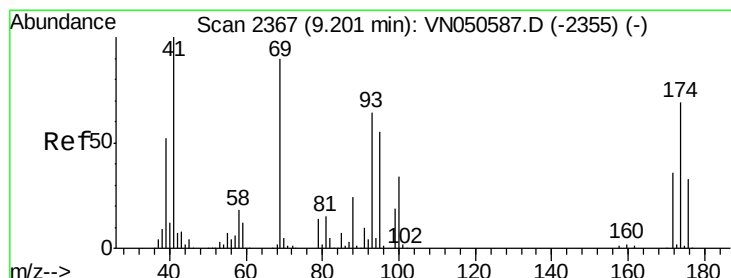
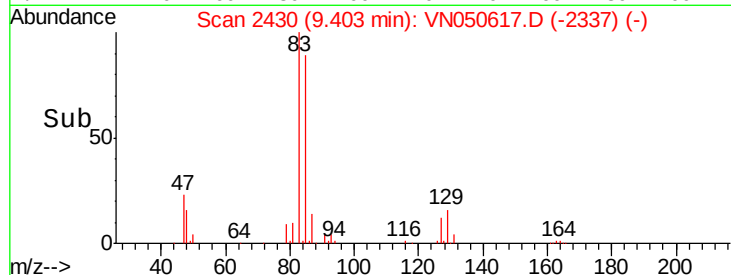
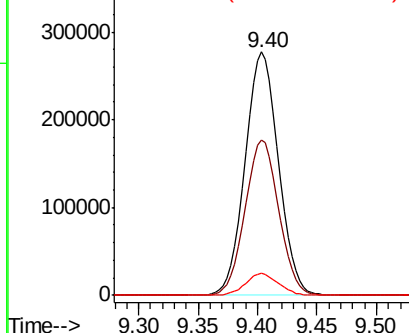
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.0	51.8	77.6	
127	8.9	7.2	10.8	

Manual Integrations
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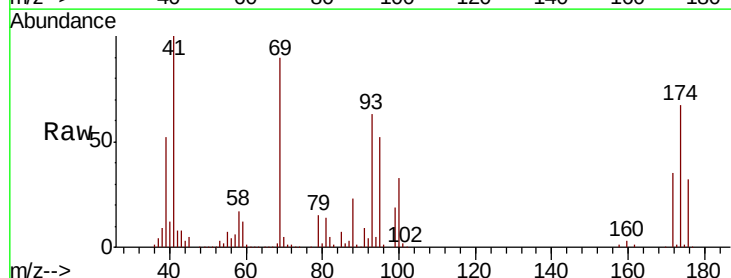


Abundance Ion 82.90 (82.60 to 83.60): VN050617.D (-2337) (-)
Ion 84.90 (84.60 to 85.60): VN050617.D (-2337) (-)
Ion 126.80 (126.50 to 127.50): VN050617.D (-2337) (-)

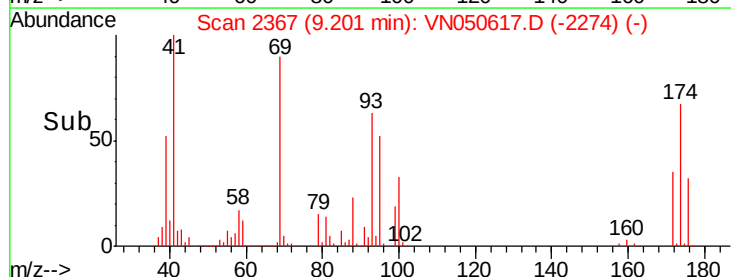
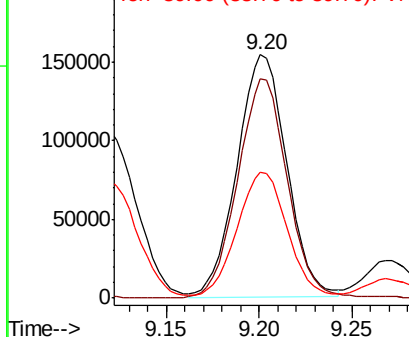


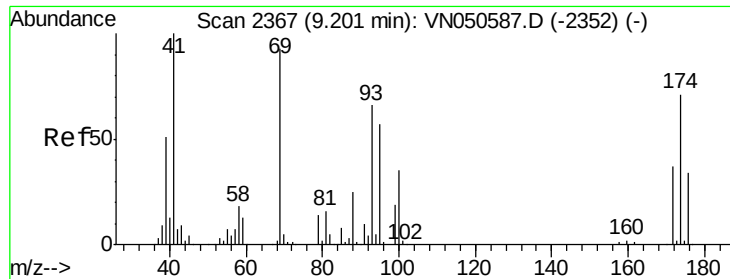
#48
Methyl methacrylate
Concen: 52.67 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	91.1	73.4	110.0	
39	52.6	43.0	64.6	



Abundance Ion 41.00 (40.70 to 41.70): VN050617.D (-2274) (-)
Ion 69.00 (68.70 to 69.70): VN050617.D (-2274) (-)
Ion 39.00 (38.70 to 39.70): VN050617.D (-2274) (-)





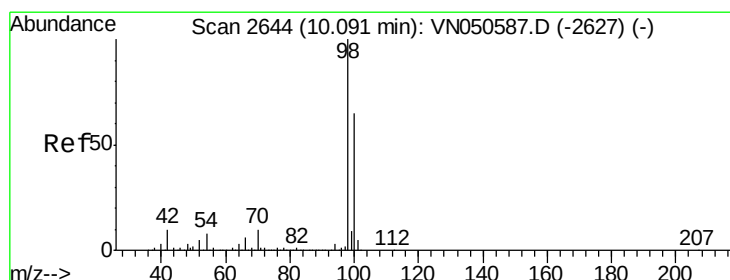
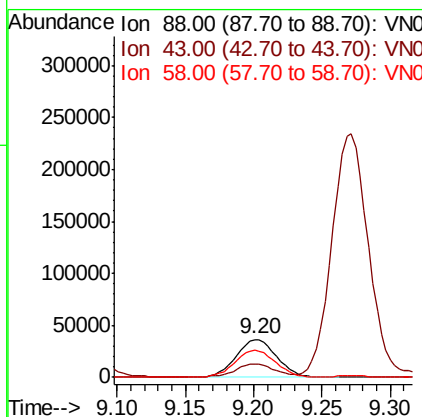
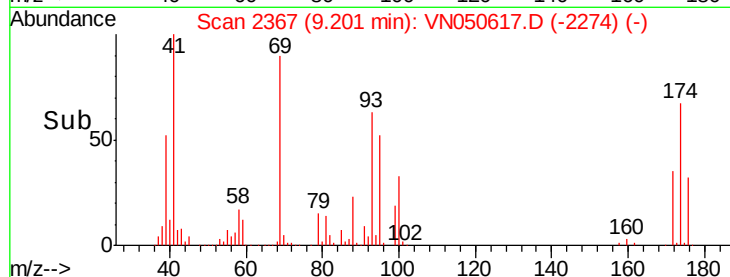
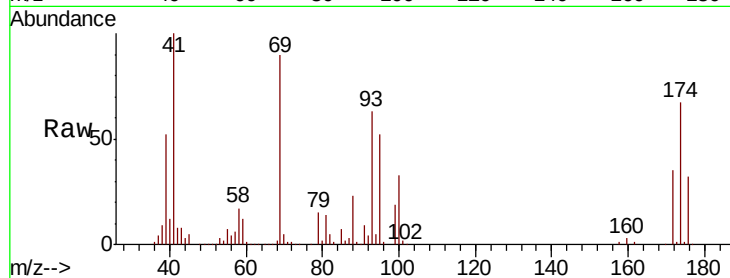
#49
1,4-Dioxane
Concen: 1053.15 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	75509
Ion Ratio	100	Lower	Upper
88	100		
43	32.9	25.9	38.9
58	71.5	56.5	84.7

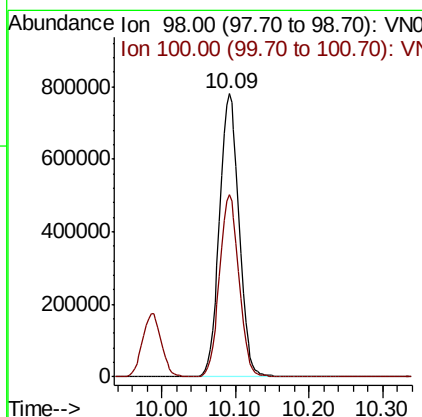
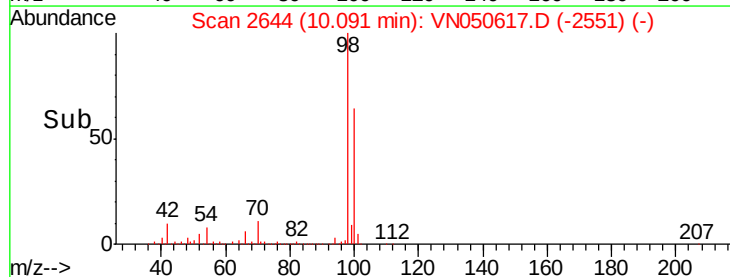
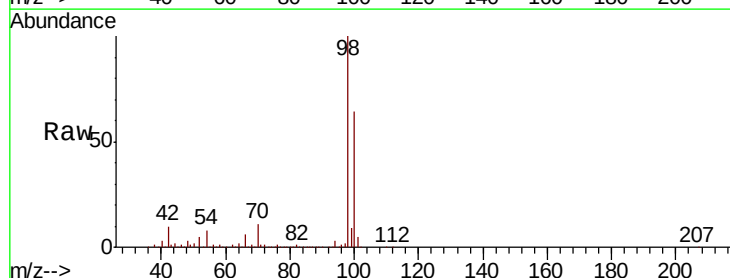
Manual Integrations
APPROVED

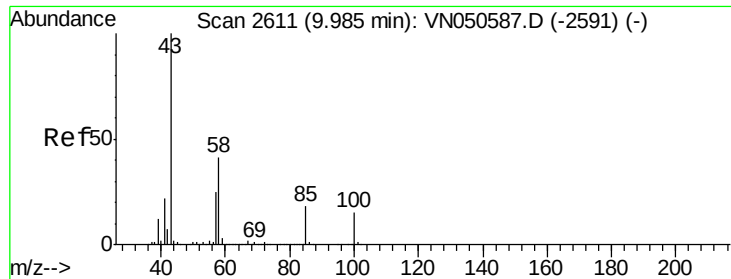
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#50
Toluene-d8
Concen: 50.79 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Tgt Ion	98	Resp	1439497
Ion Ratio	100	Lower	Upper
98	100		
100	64.2	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 274.43 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2007436

Ion Ratio Lower Upper

43 100

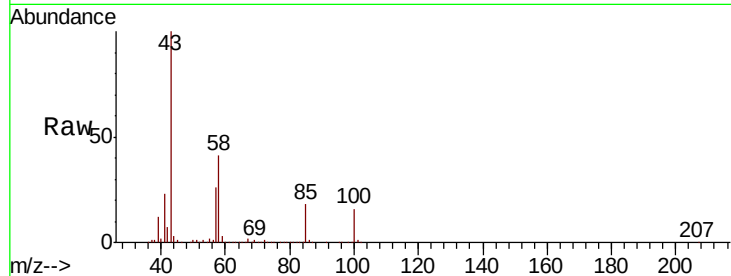
58 40.4 32.5 48.7

Manual Integrations

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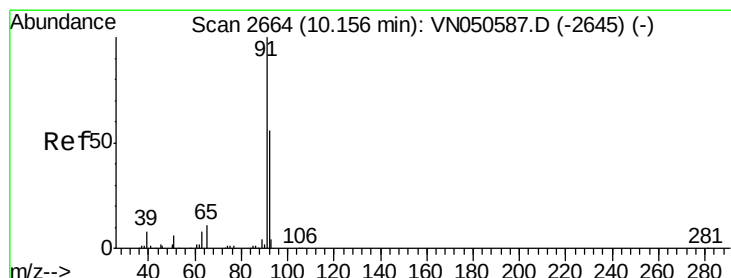
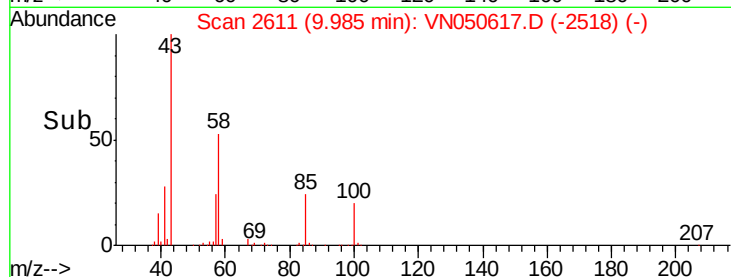
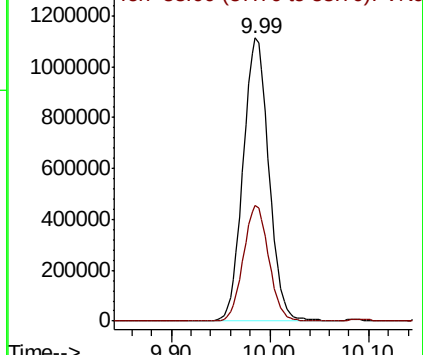
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.79 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050617.D

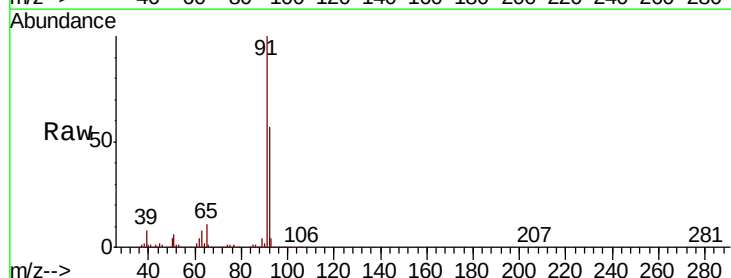
Acq: 14 Aug 2018 21:46

Tgt Ion: 92 Resp: 1006815

Ion Ratio Lower Upper

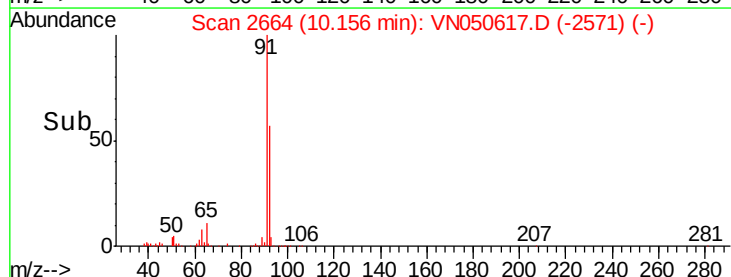
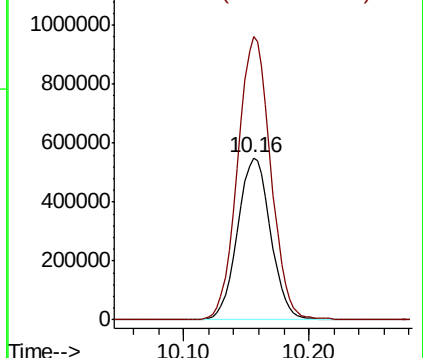
92 100

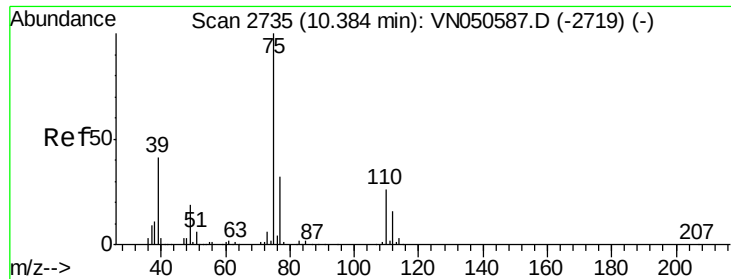
91 175.6 141.9 212.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





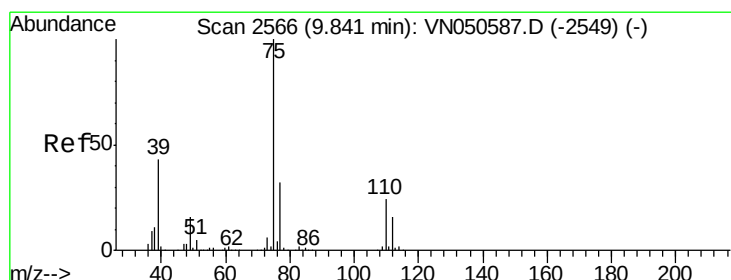
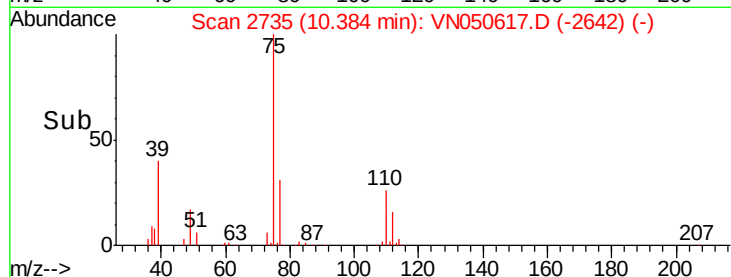
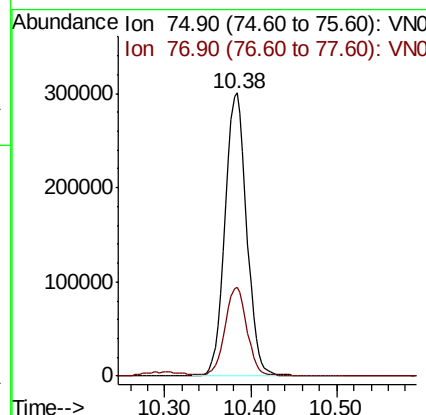
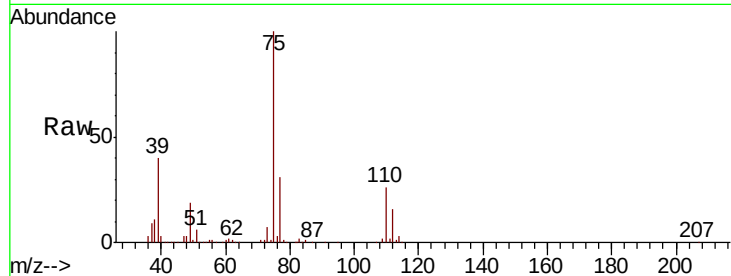
#53
t-1,3-Dichloropropene
Concen: 52.90 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 528805
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.6

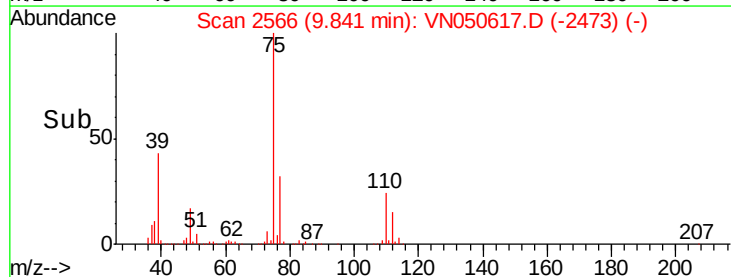
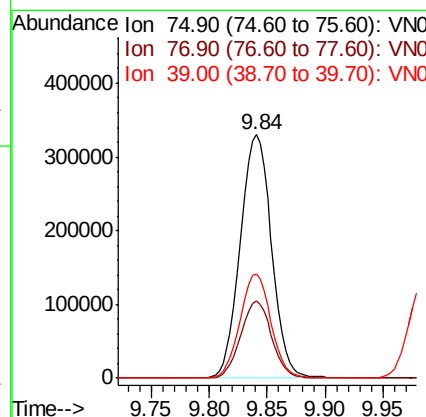
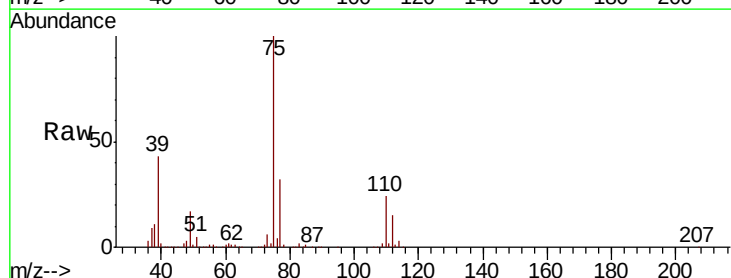
Manual Integrations
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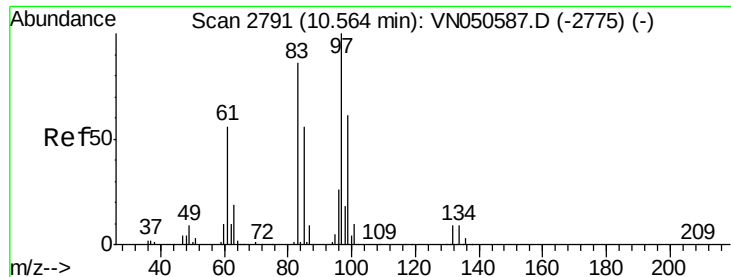
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#54
cis-1,3-Dichloropropene
Concen: 53.84 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Tgt Ion: 75 Resp: 617403
Ion Ratio Lower Upper
75 100
77 31.6 25.6 38.4
39 42.9 34.4 51.6





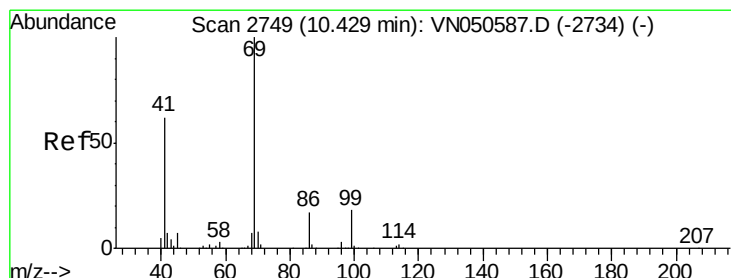
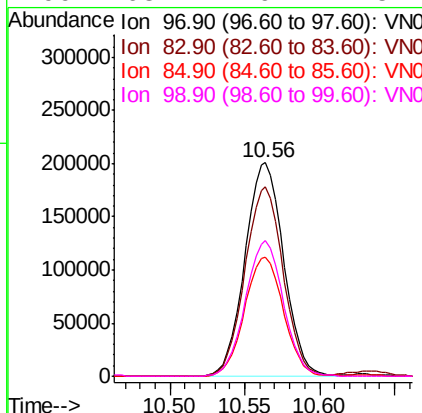
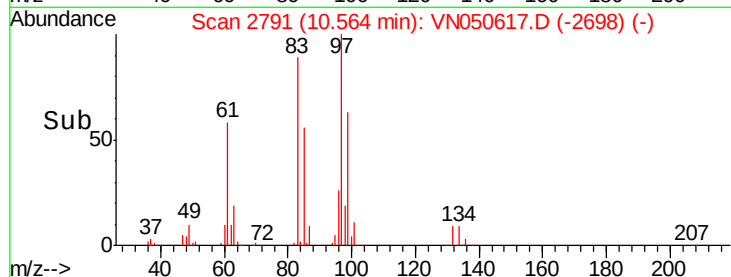
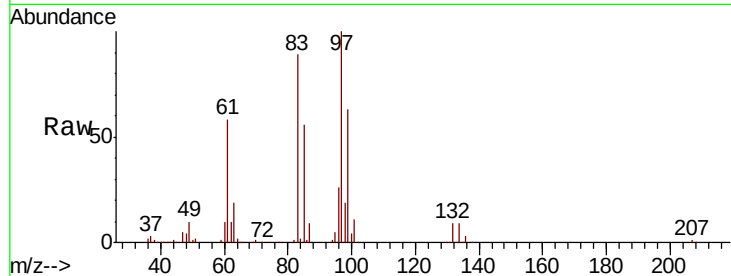
#55
 1,1,2-Trichloroethane
 Concen: 50.75 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	361611
Ion	Ratio	Lower	Upper
97	100		
83	88.7	68.5	102.7
85	55.7	44.6	66.8
99	63.4	49.1	73.7

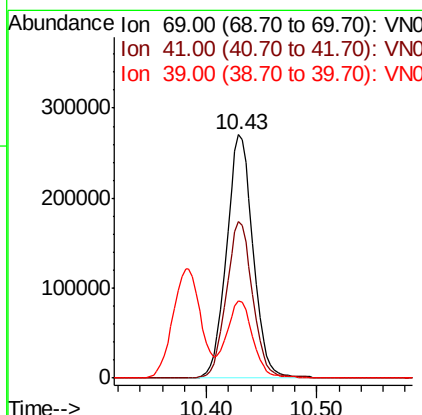
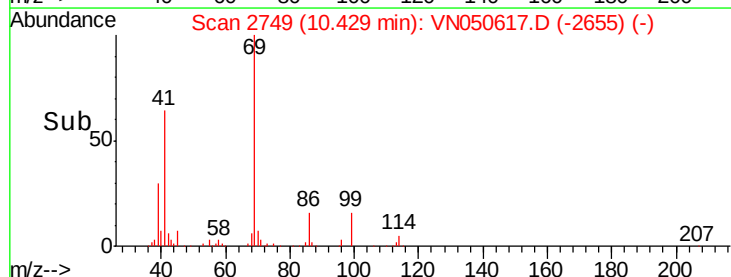
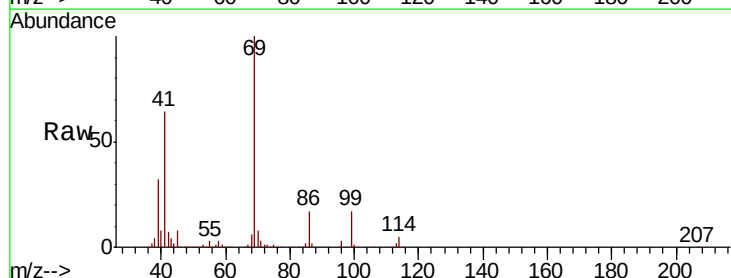
Manual Integrations
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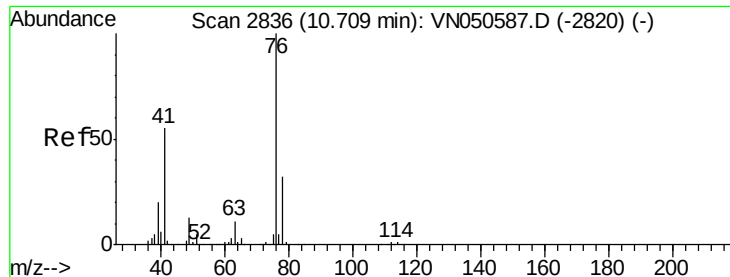
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#56
 Ethyl methacrylate
 Concen: 49.52 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion:	69	Resp:	449919
Ion	Ratio	Lower	Upper
69	100		
41	63.4	49.7	74.5
39	31.9	24.2	36.2





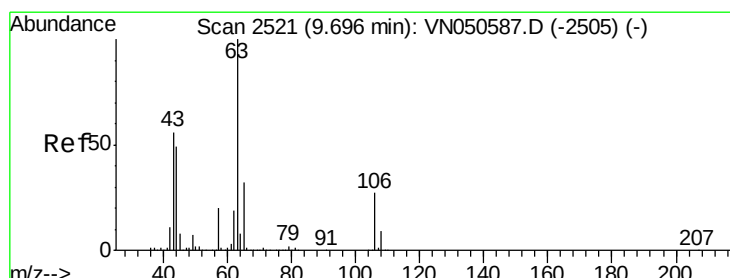
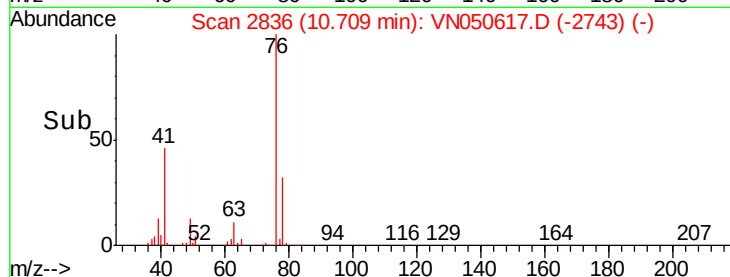
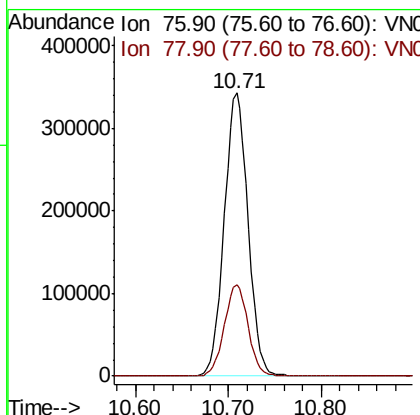
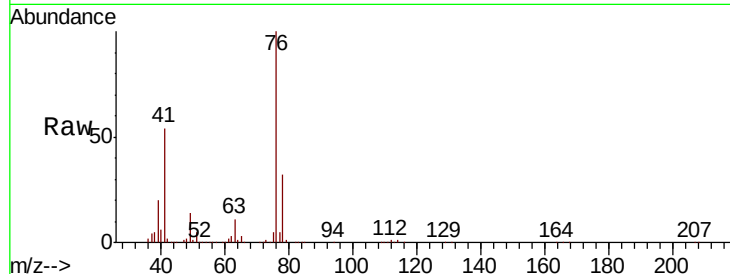
#57
 1,3-Dichloropropane
 Concen: 52.09 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 608485
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6

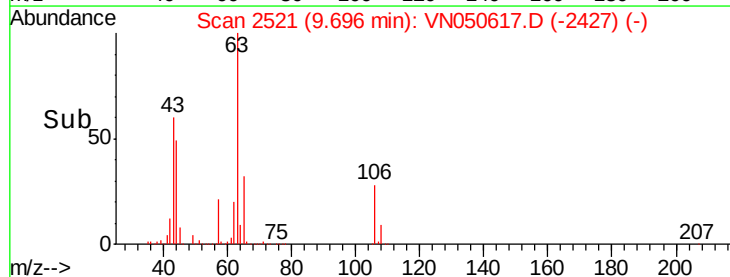
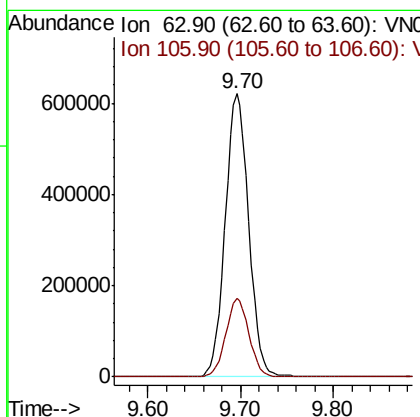
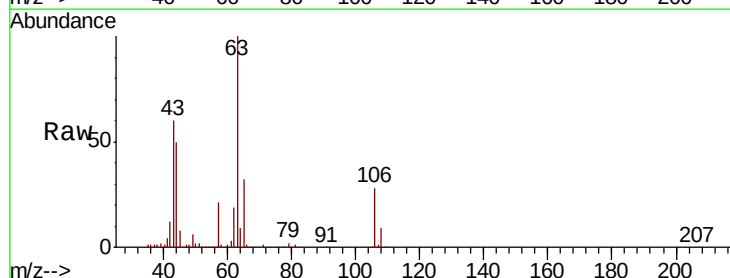
Manual Integrations
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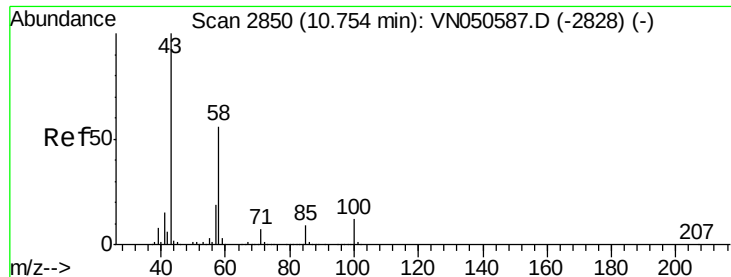
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 8/15/2018 3:32:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.05 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion: 63 Resp: 1088658
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.7 32.5





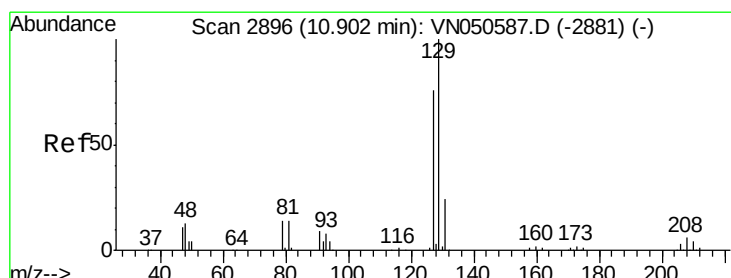
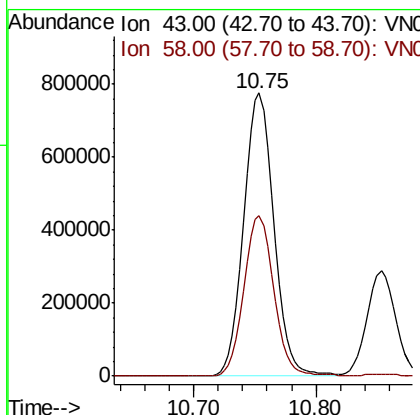
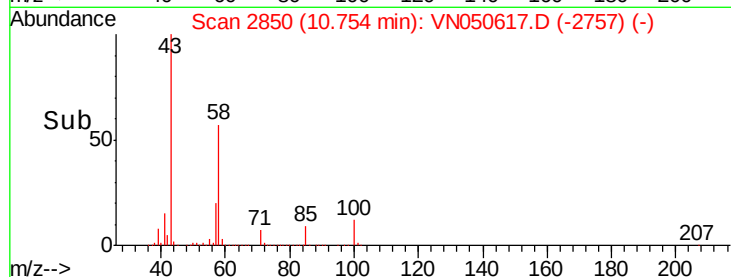
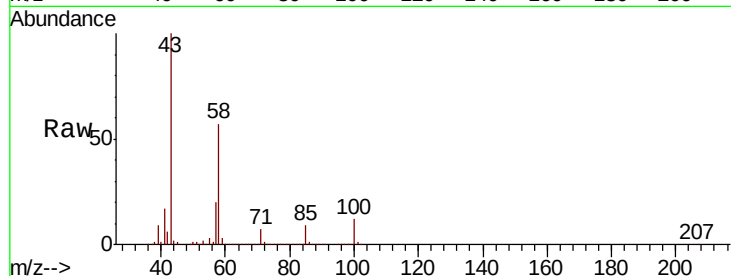
#59
2-Hexanone
Concen: 278.98 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1317125
Ion Ratio Lower Upper
43 100
58 56.3 28.0 84.0

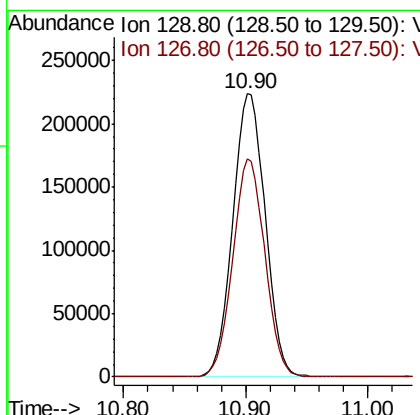
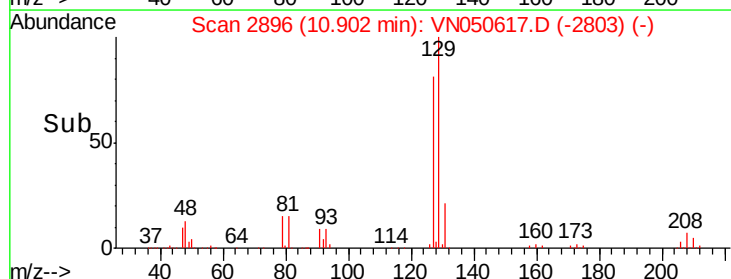
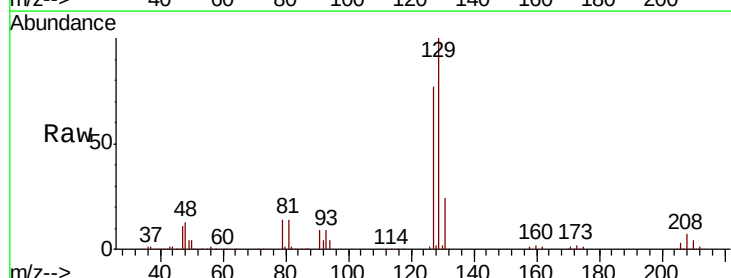
Manual Integrations
APPROVED

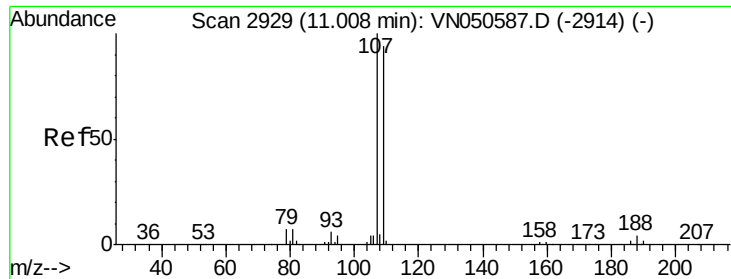
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#60
Dibromochloromethane
Concen: 52.39 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Tgt Ion: 129 Resp: 411966
Ion Ratio Lower Upper
129 100
127 76.2 38.9 116.7





#61

1,2-Dibromoethane

Concen: 52.90 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 358954

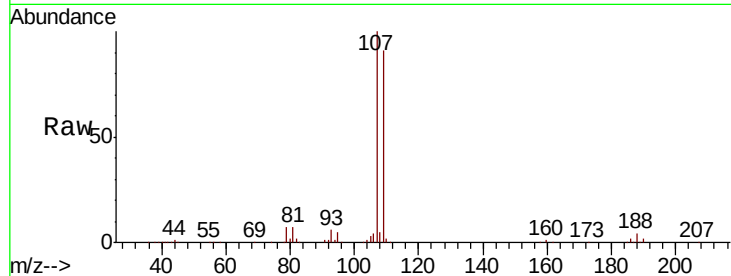
Ion Ratio Lower Upper

107 100

109 93.0 75.7 113.5

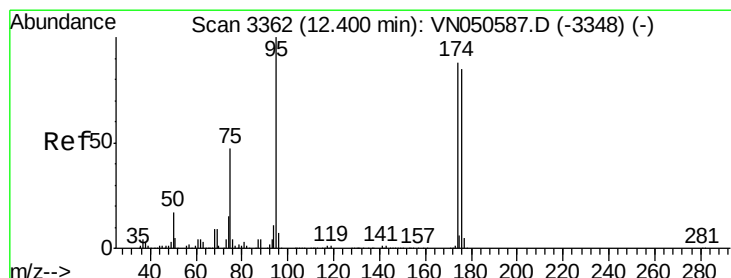
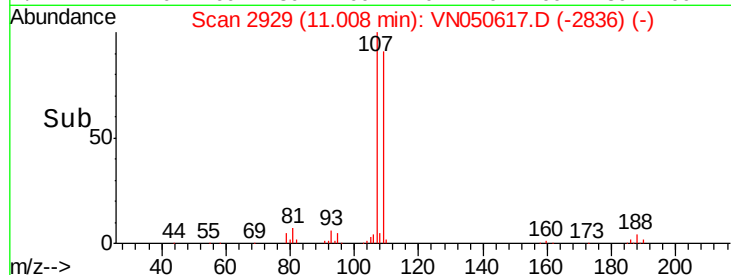
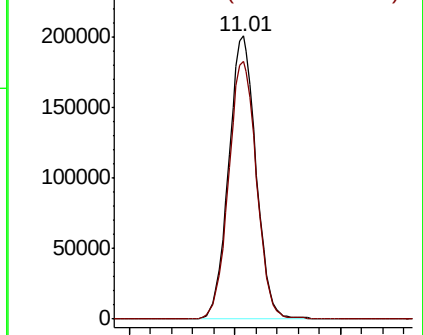
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.35 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

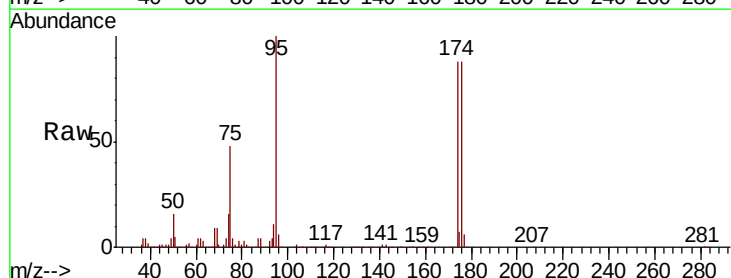
Tgt Ion: 95 Resp: 471405

Ion Ratio Lower Upper

95 100

174 90.1 0.0 177.8

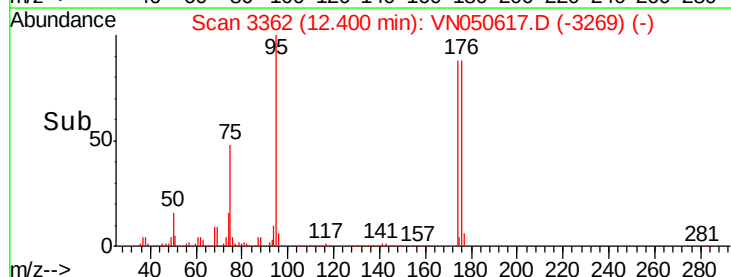
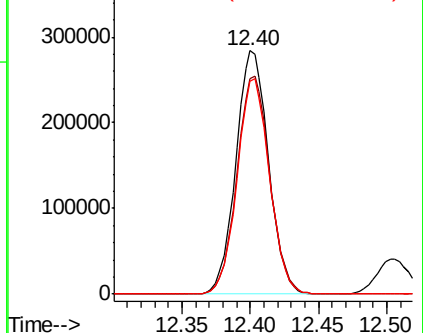
176 87.6 0.0 175.0

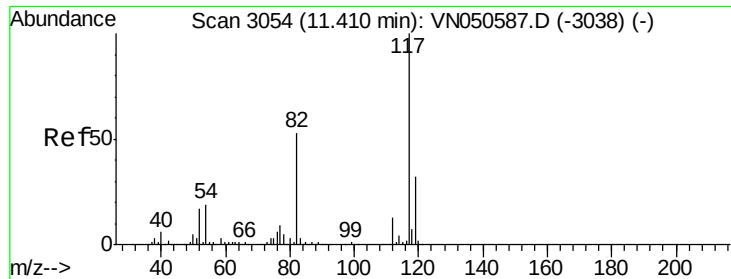


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_N

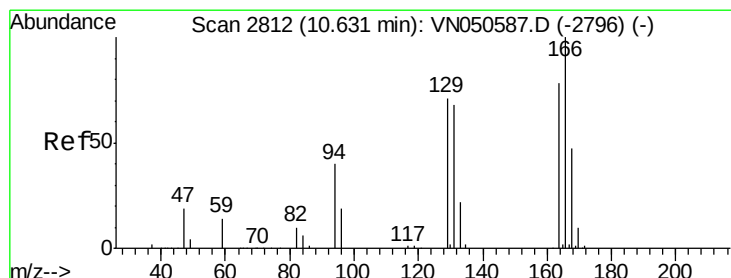
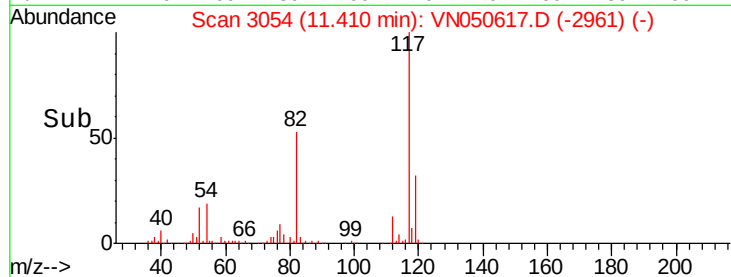
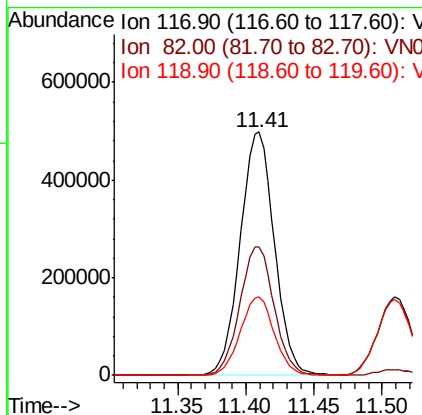
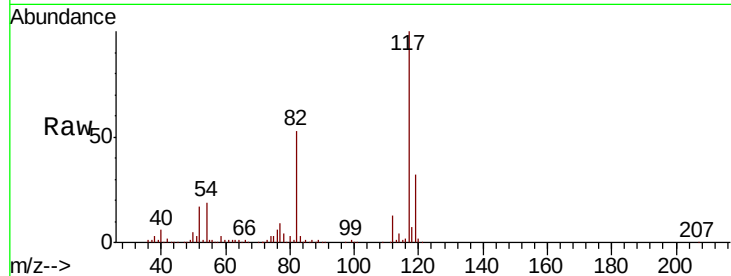
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	868131
Ion Ratio	Lower	Upper	
117	100		
82	53.0	42.4	63.6
119	32.2	25.8	38.8

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#64

Tetrachloroethene

Concen: 48.96 ug/l

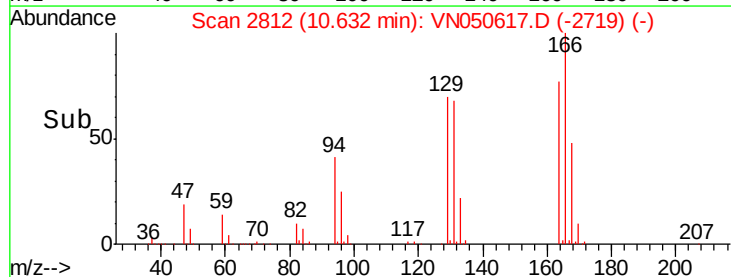
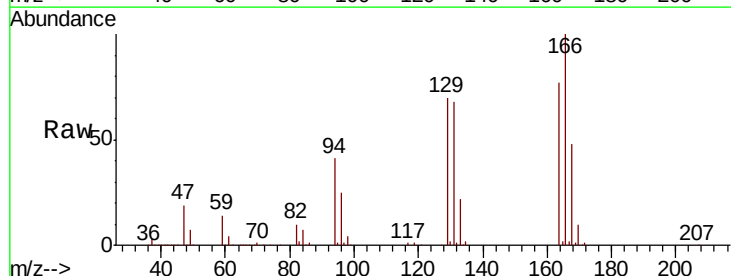
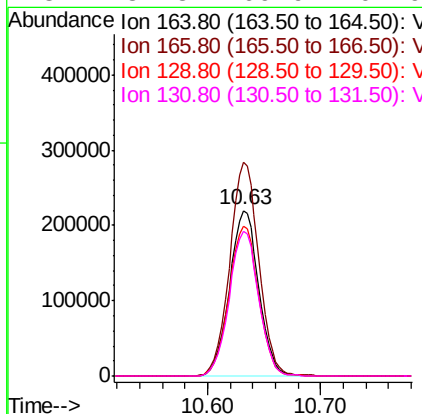
RT: 10.63 min Scan# 2812

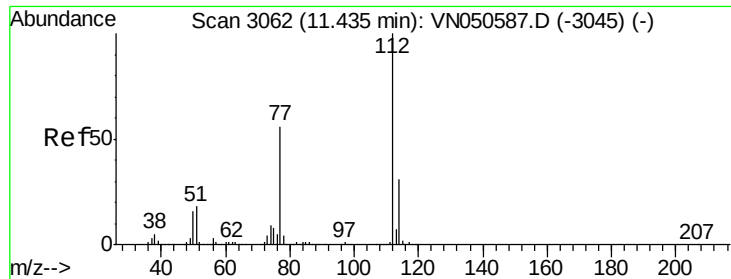
Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Tgt Ion:	164	Resp:	394736
Ion Ratio	Lower	Upper	
164	100		
166	129.1	102.1	153.1
129	90.7	72.7	109.1
131	87.3	69.9	104.9





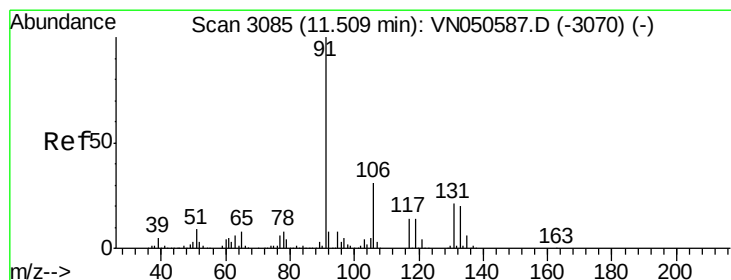
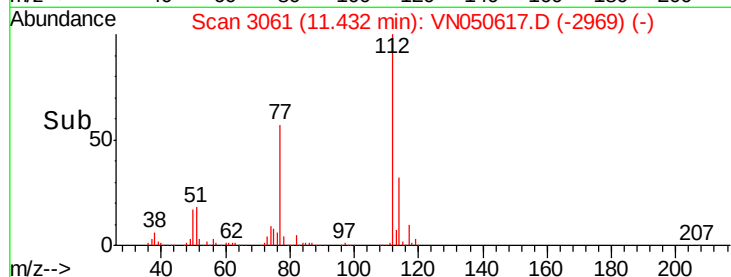
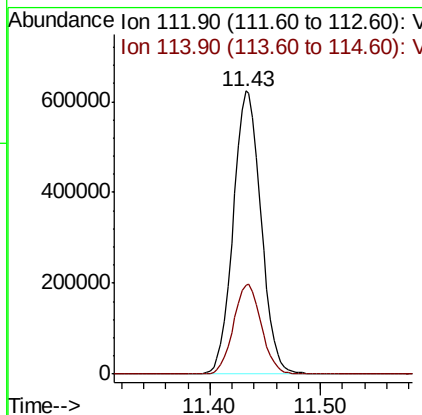
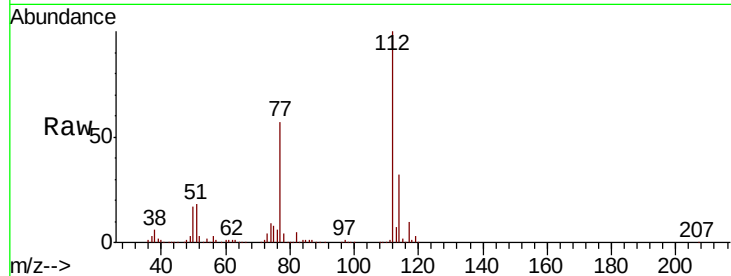
#65
Chlorobenzene
Concen: 50.36 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1088068
Ion Ratio Lower Upper
112 100
114 31.6 25.2 37.8

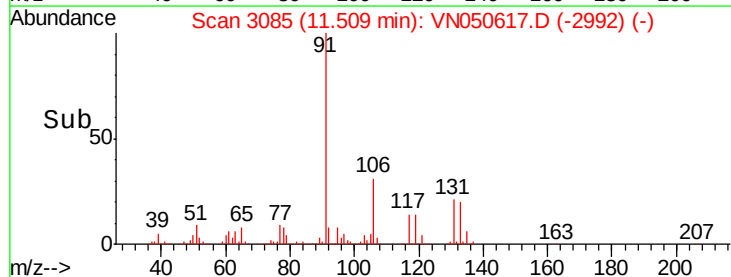
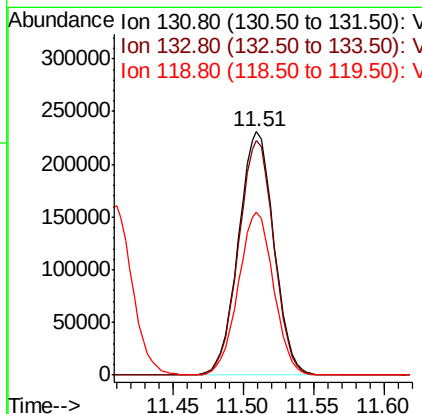
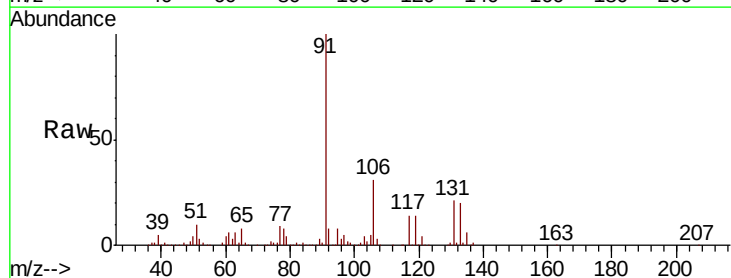
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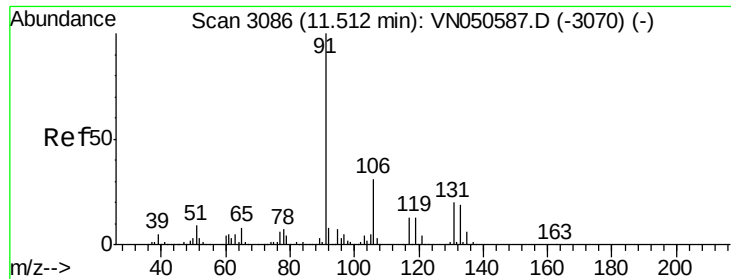
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.30 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Tgt Ion:131 Resp: 407401
Ion Ratio Lower Upper
131 100
133 96.1 47.6 142.9
119 66.5 33.1 99.3





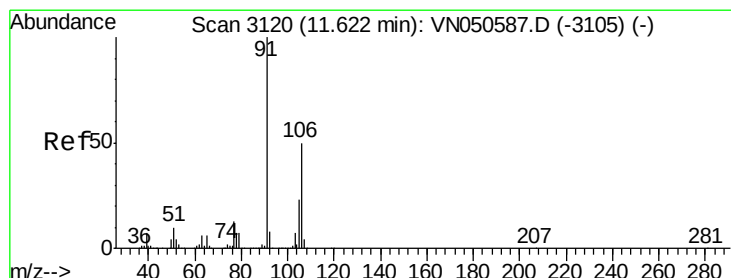
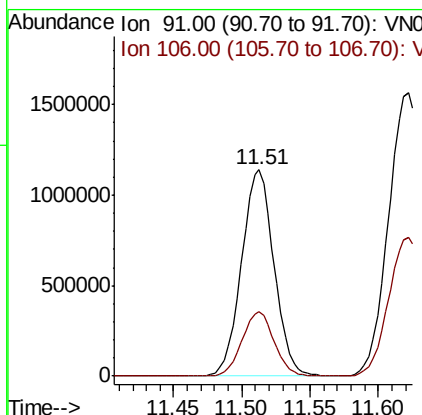
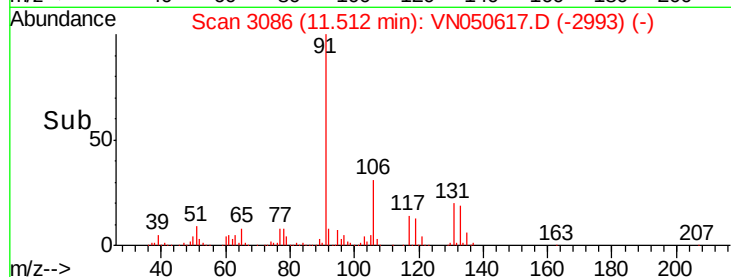
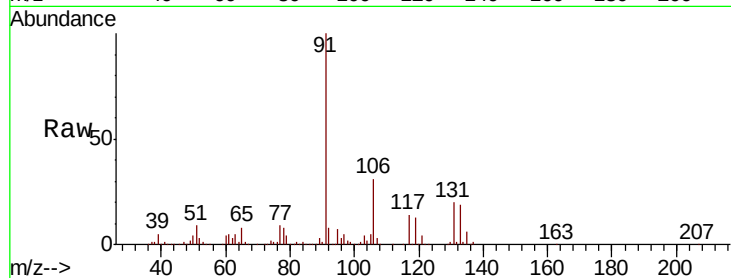
#67
Ethyl Benzene
Concen: 53.94 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1881858
Ion Ratio Lower Upper
91 100
106 31.1 24.8 37.2

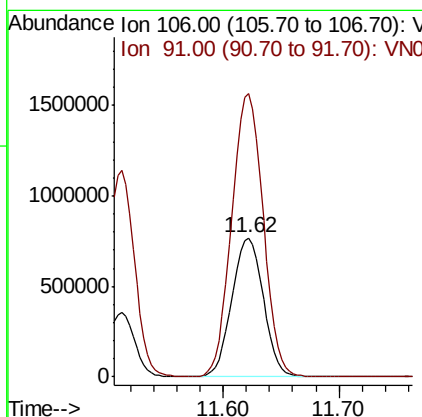
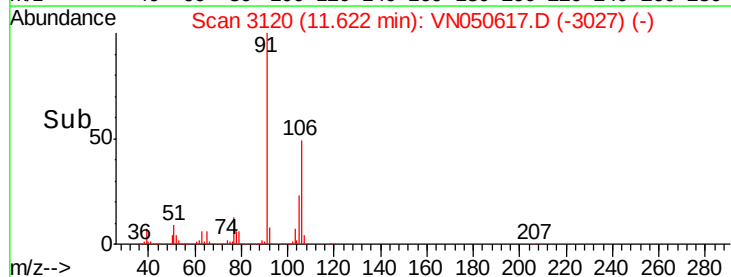
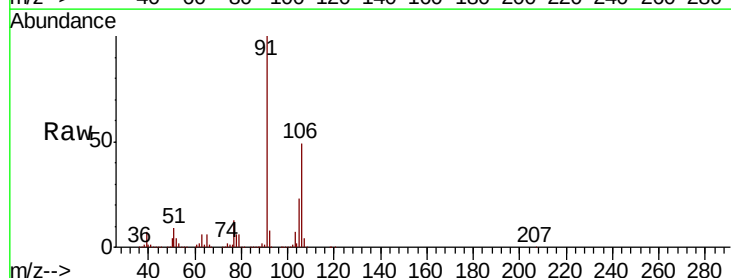
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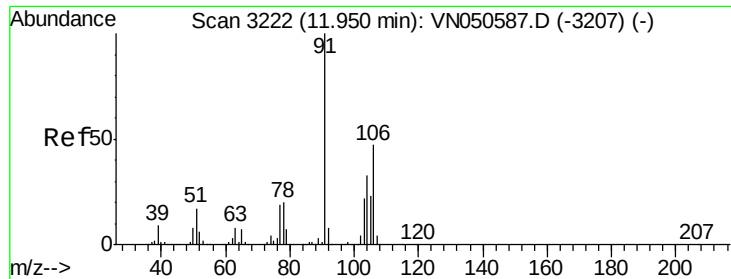
MMDadoda
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#68
m/p-Xylenes
Concen: 108.34 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Tgt Ion: 106 Resp: 1445495
Ion Ratio Lower Upper
106 100
91 203.5 161.5 242.3





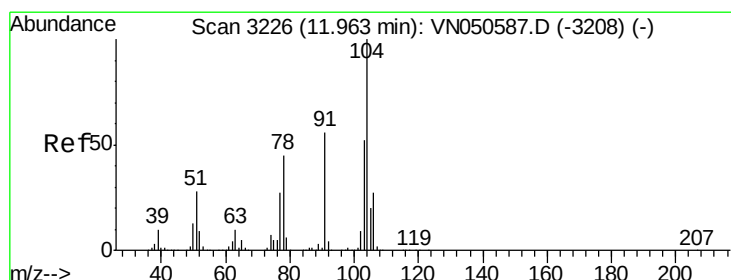
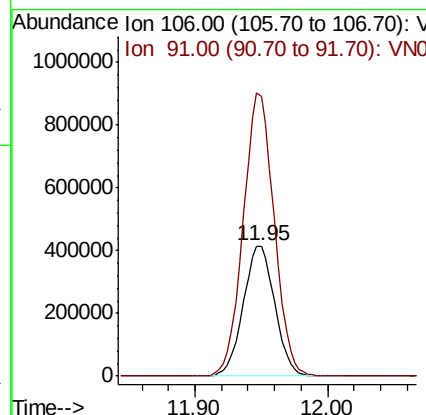
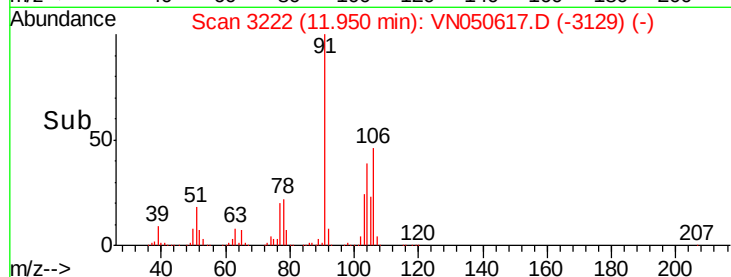
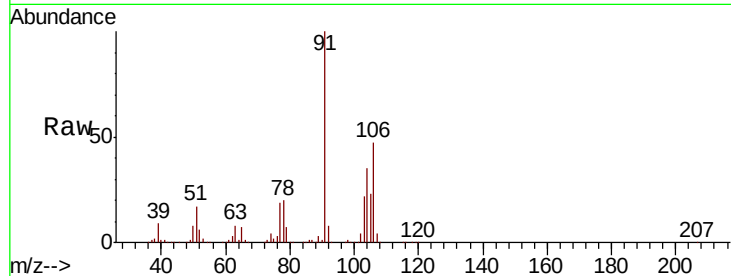
#69
o-Xylene
Concen: 53.80 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		684528		
91	213.8	106.8	320.4		

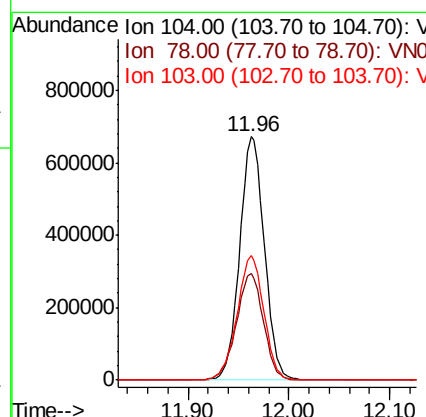
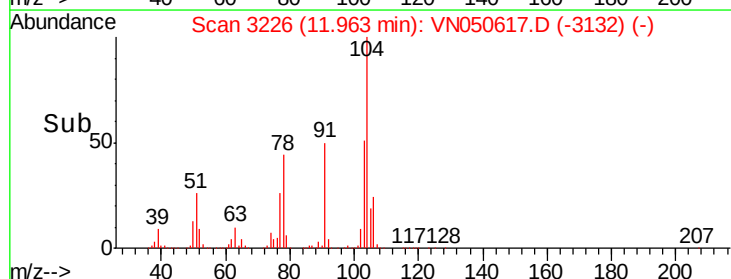
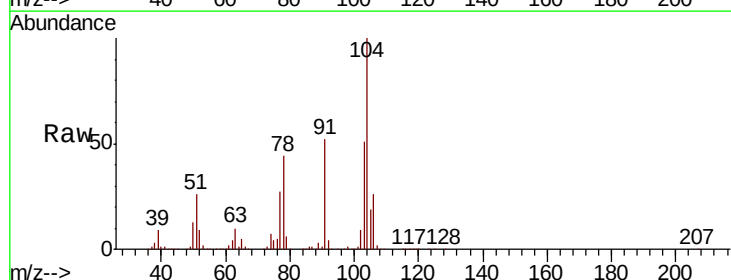
Manual Integrations
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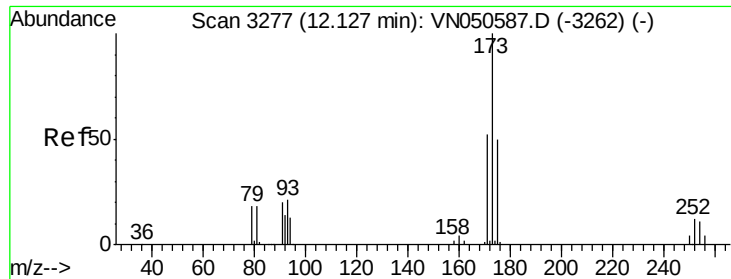
MMDadoda
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#70
Styrene
Concen: 50.44 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		1141536		
78	48.3	39.1	58.7		
103	55.6	44.9	67.3		





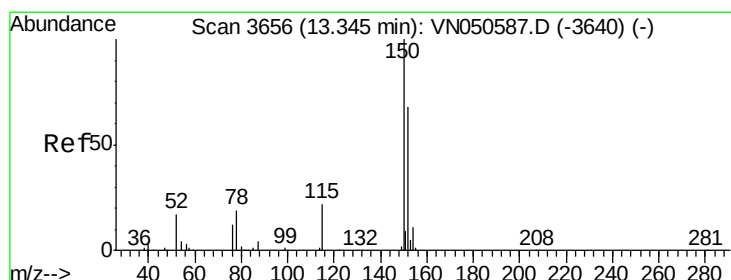
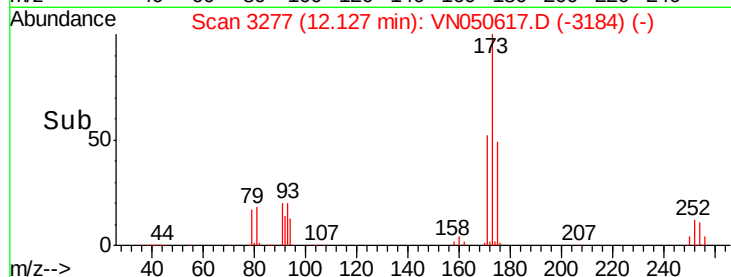
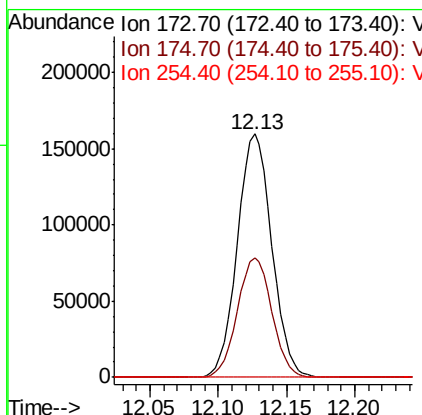
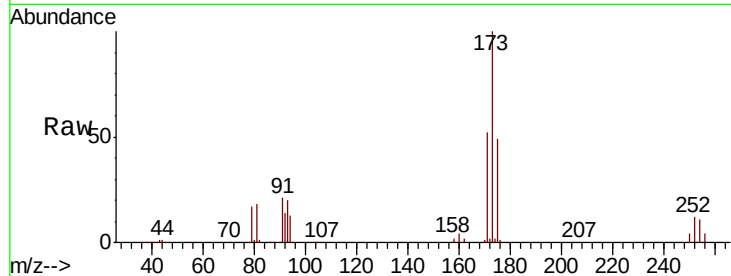
#71
Bromoform
Concen: 52.24 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.2
254	0.1	0.0	0.0#

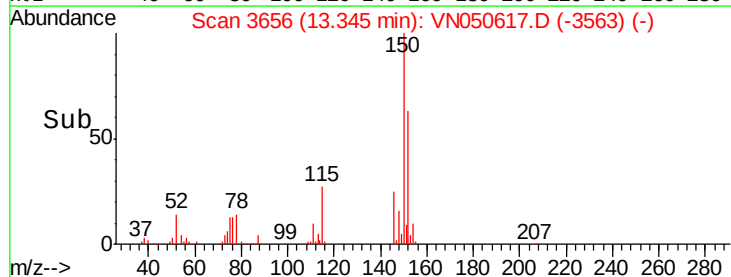
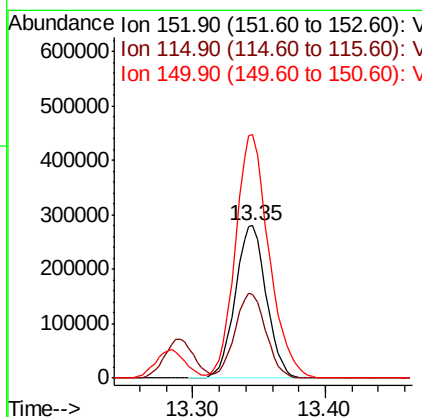
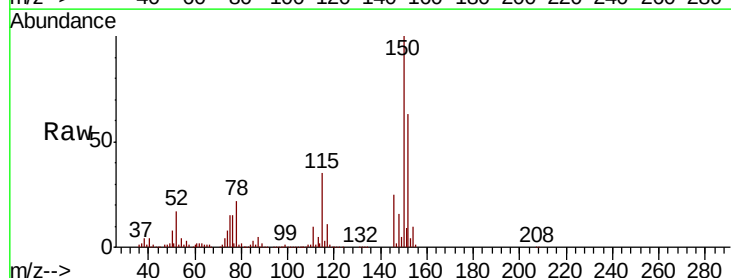
Manual Integrations
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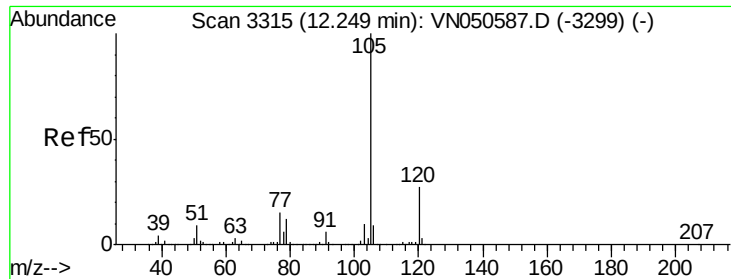
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.1	84.2
150	173.4	0.0	347.8





#73

Isopropylbenzene

Concen: 51.06 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1809565

Ion Ratio Lower Upper

105 100

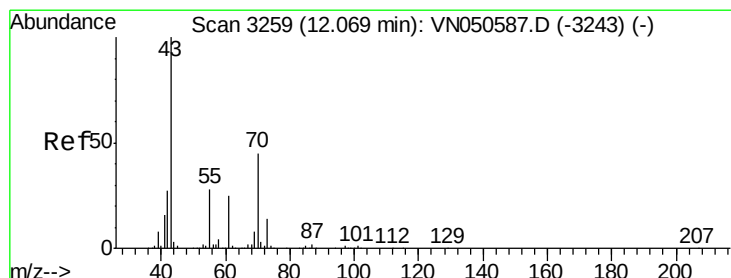
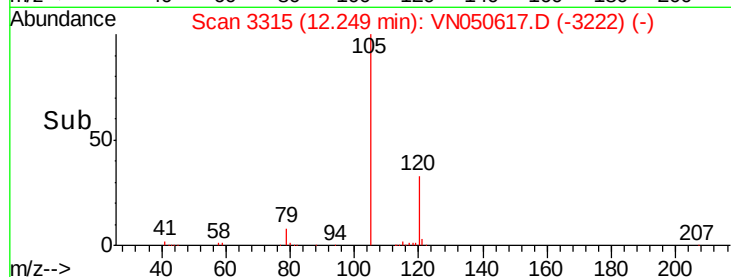
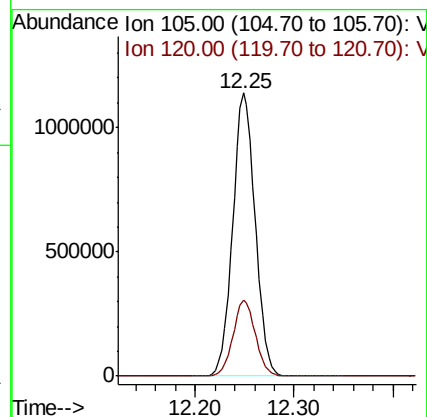
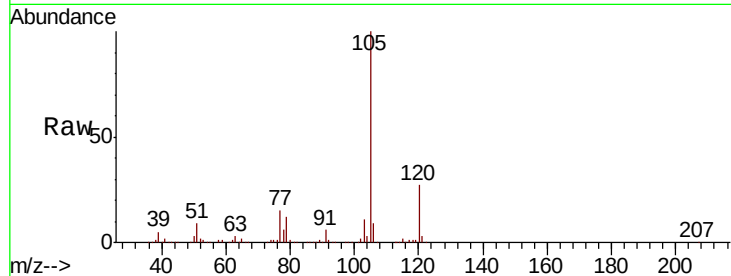
120 26.8 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.93 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Tgt Ion: 43 Resp: 478797

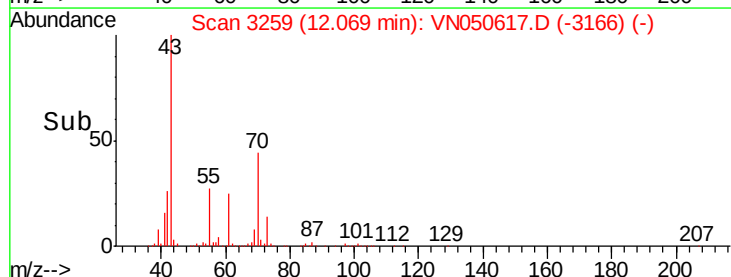
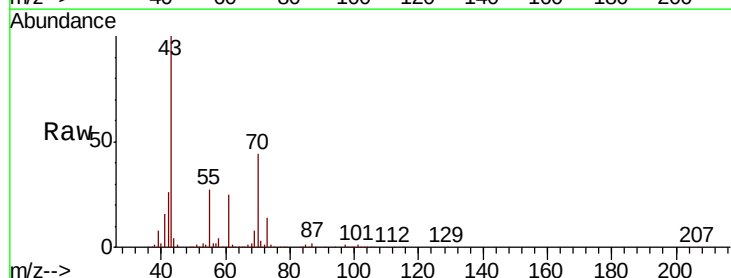
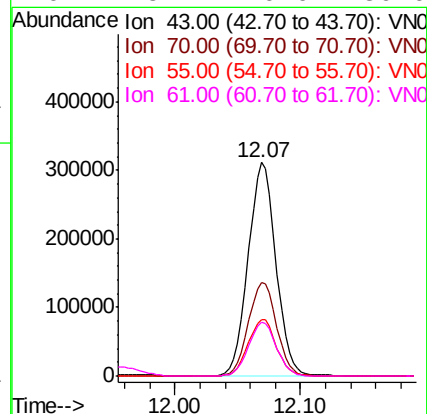
Ion Ratio Lower Upper

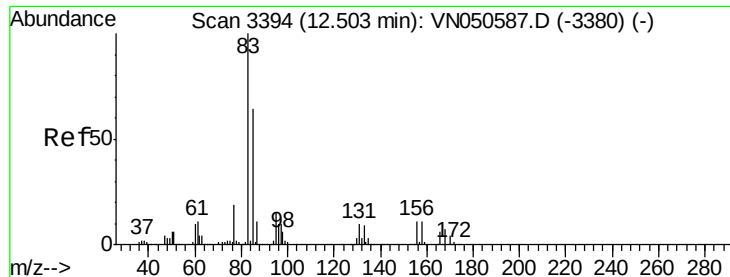
43 100

70 44.8 35.9 53.9

55 27.2 22.2 33.4

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 54.36 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_N

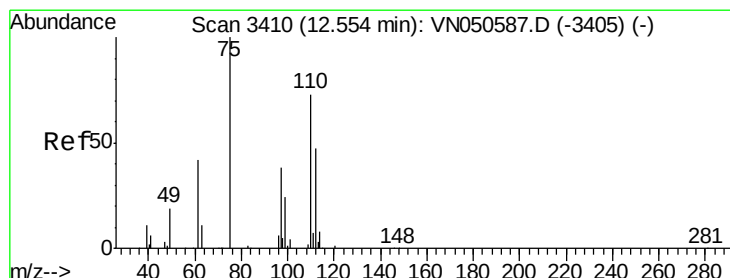
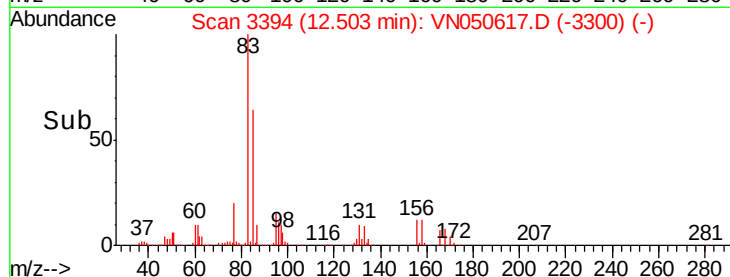
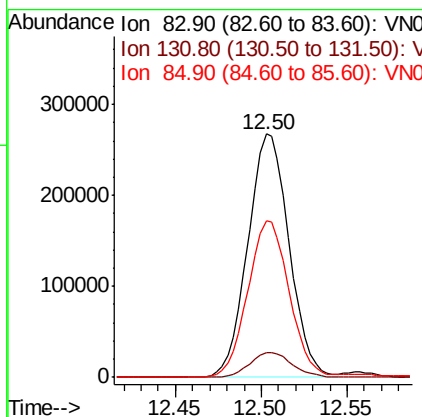
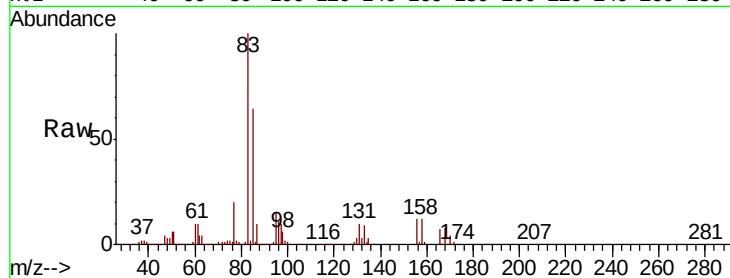
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	445590
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	64.6	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.79 ug/l m

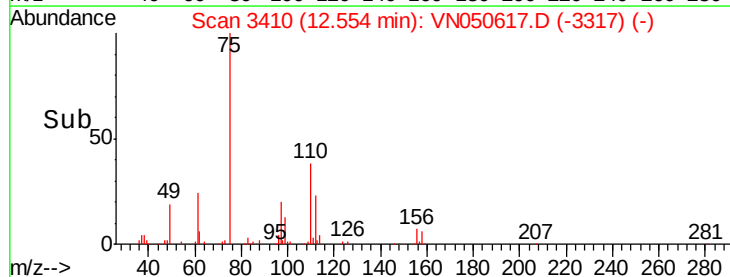
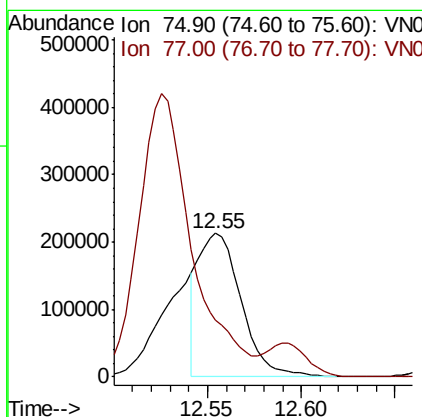
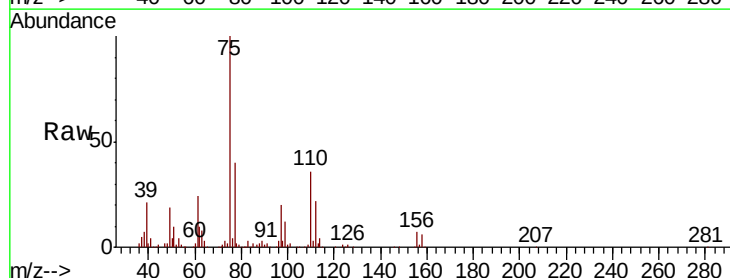
RT: 12.55 min Scan# 3410

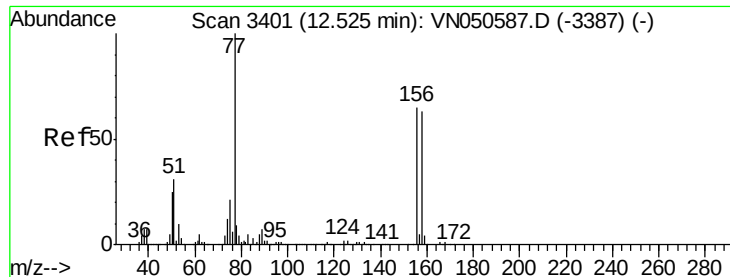
Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Tgt Ion:	75	Resp:	336167
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.24 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_N

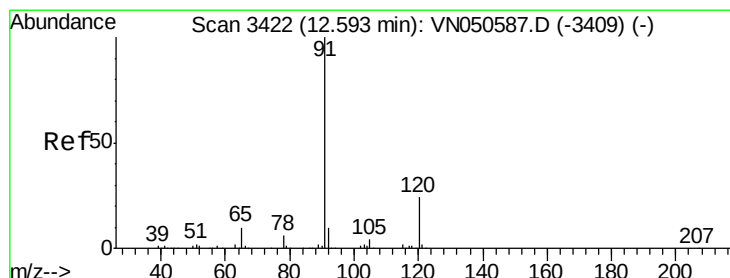
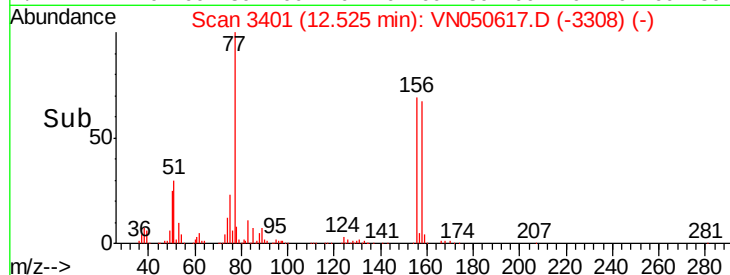
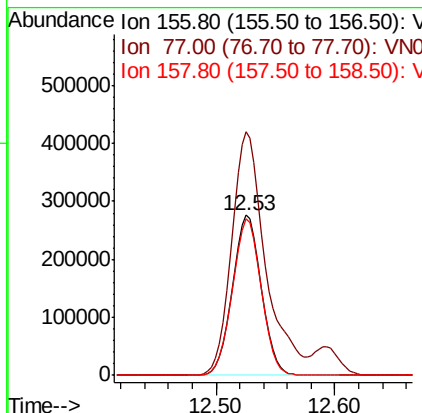
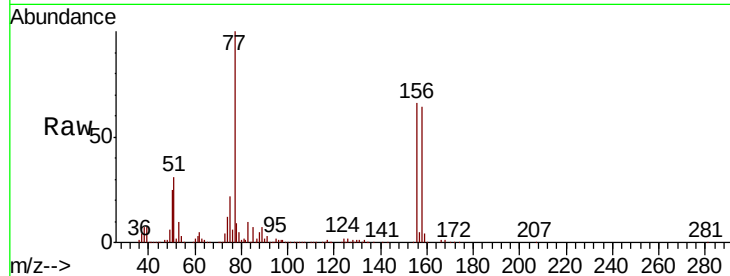
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	464111
Ion Ratio	Lower	Upper	
156	100		
77	179.4	89.0	267.1
158	97.7	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 52.78 ug/l

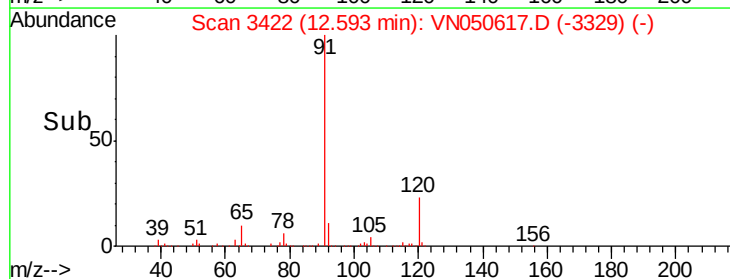
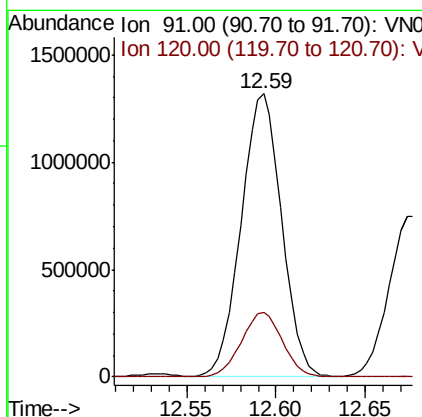
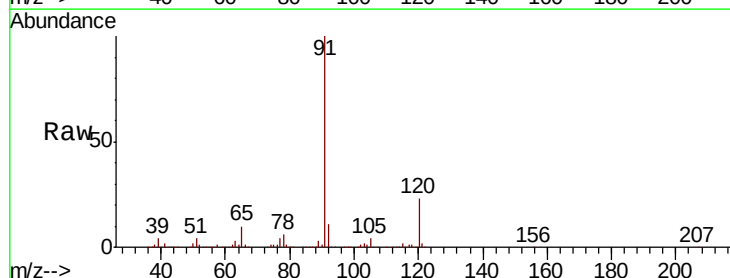
RT: 12.59 min Scan# 3422

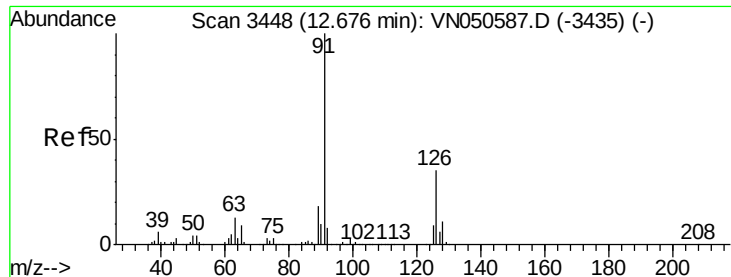
Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Tgt Ion:	91	Resp:	2085815
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.8	35.4





#79

2-Chlorotoluene

Concen: 50.05 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1232986

Ion Ratio Lower Upper

91 100

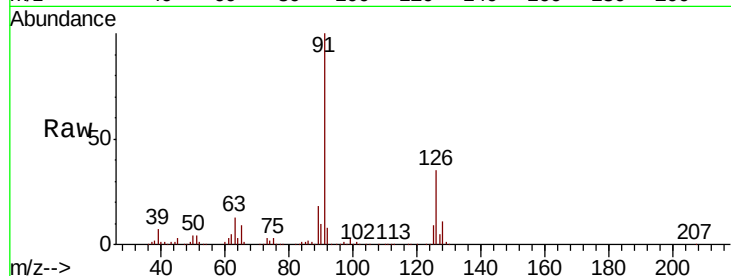
126 35.3 17.6 52.8

Manual Integrations

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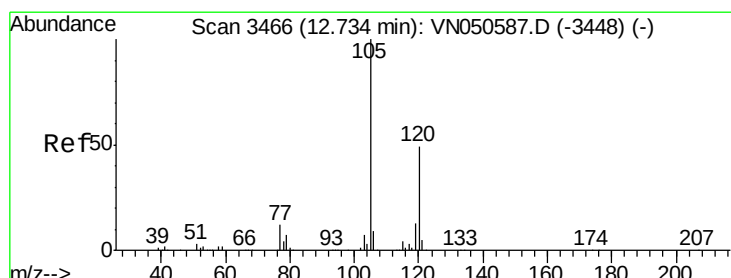
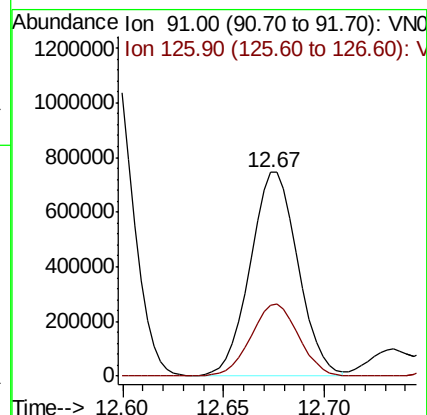
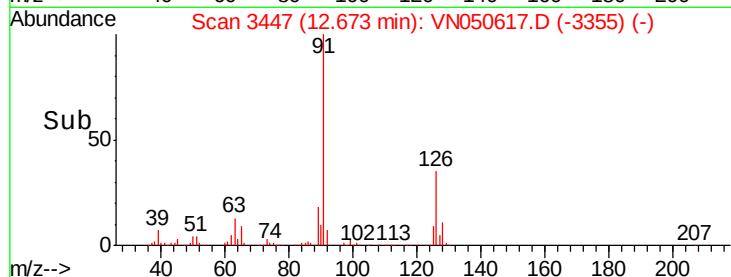
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Abundance Ion 91.00 (90.70 to 91.70): VN050587.D (-3435) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 52.60 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050617.D

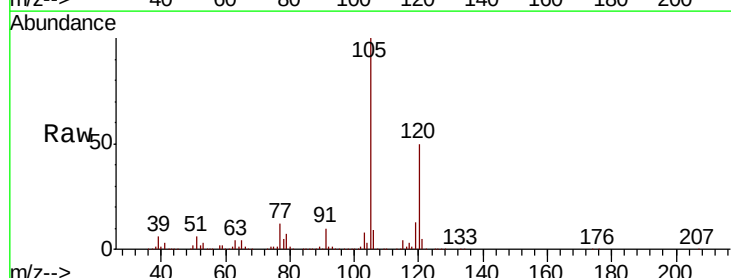
Acq: 14 Aug 2018 21:46

Tgt Ion:105 Resp: 1492550

Ion Ratio Lower Upper

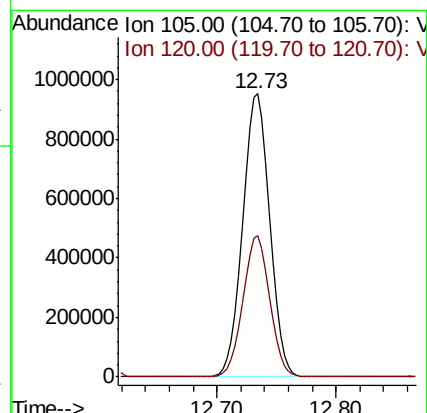
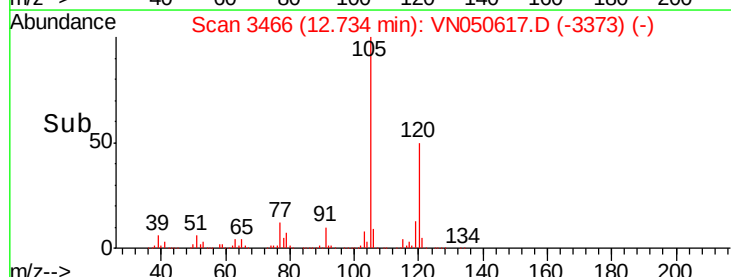
105 100

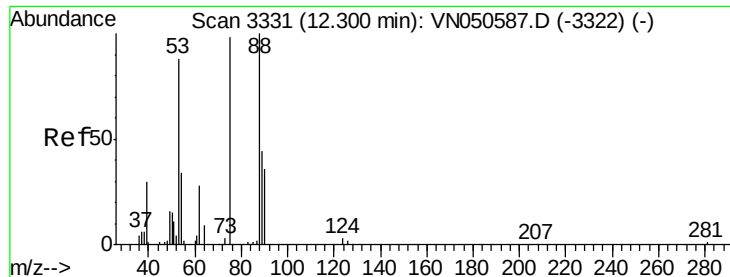
120 49.4 24.7 74.1



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: 52.97 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 108075

Ion Ratio Lower Upper

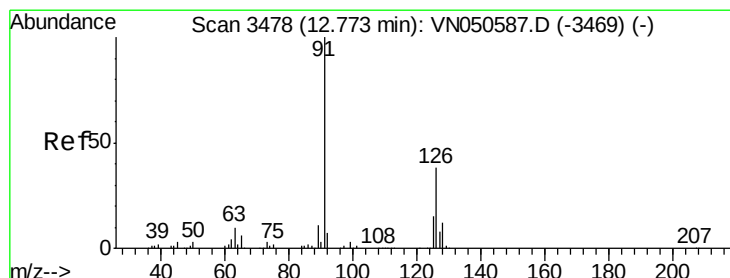
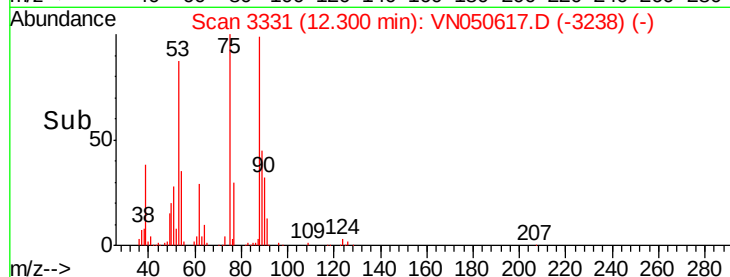
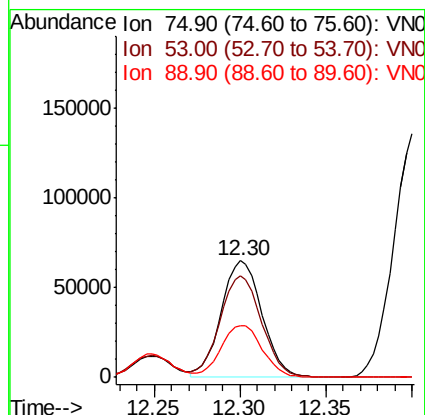
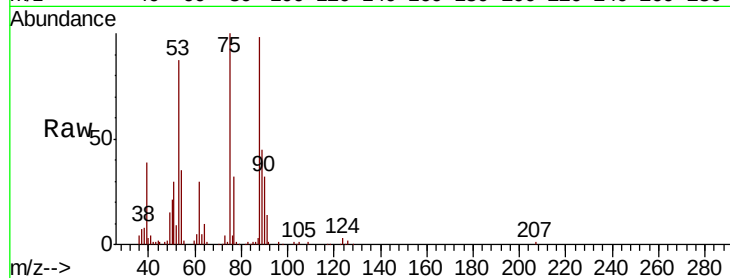
75 100

53 88.4 72.2 108.2

89 45.1 36.3 54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.34 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050617.D

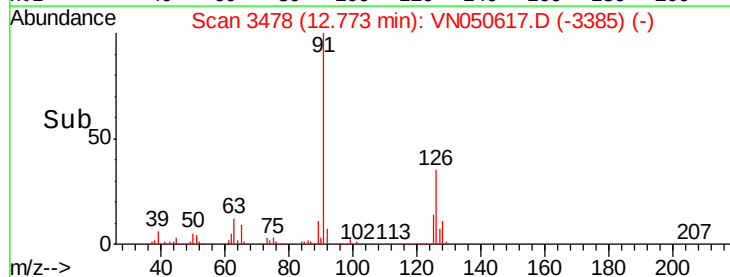
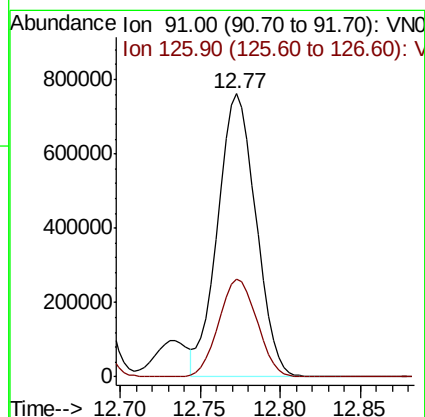
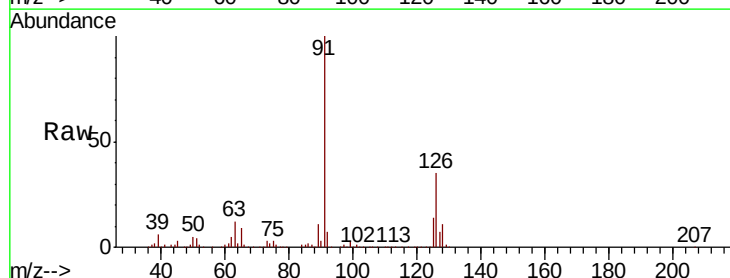
Acq: 14 Aug 2018 21:46

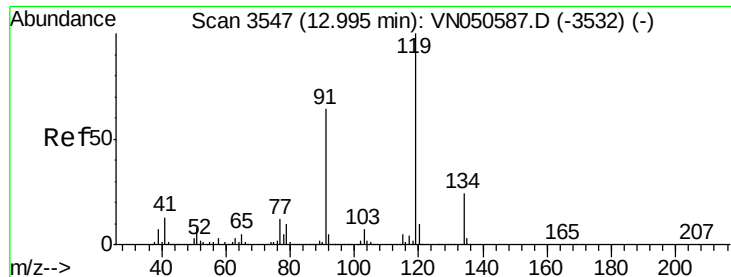
Tgt Ion: 91 Resp: 1249989

Ion Ratio Lower Upper

91 100

126 34.7 17.3 52.0





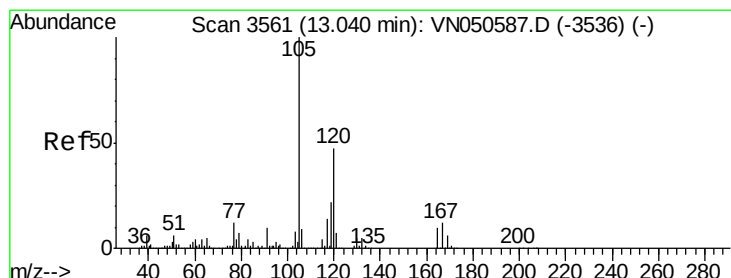
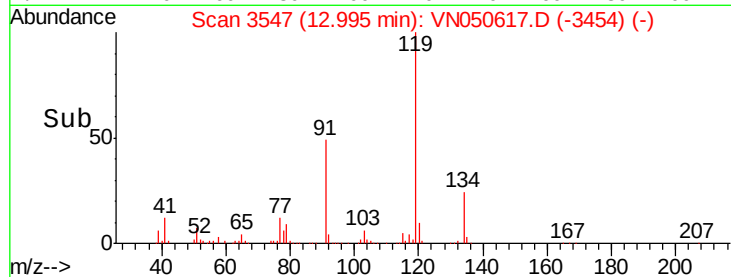
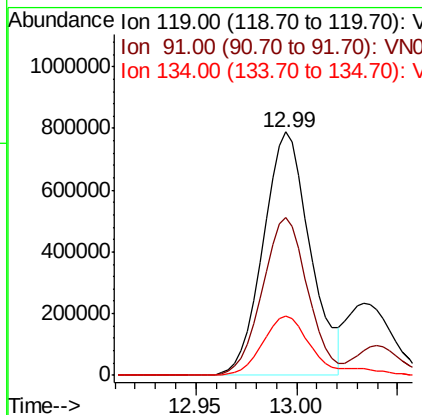
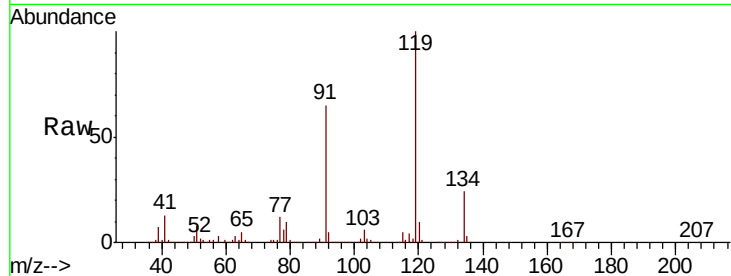
#83
 tert-Butylbenzene
 Concen: 51.78 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	32.2	96.6
134	24.3	13.4	40.2

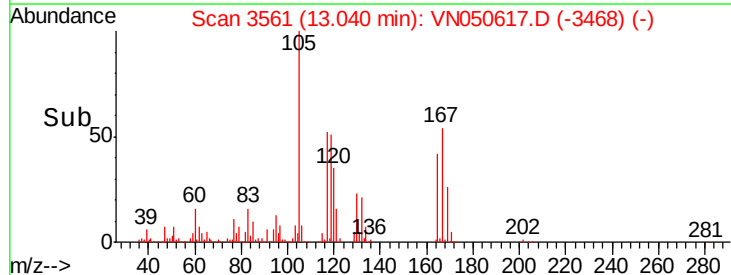
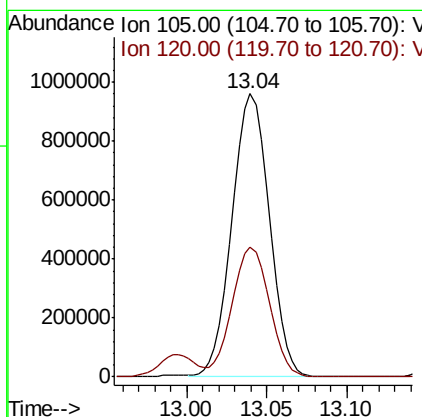
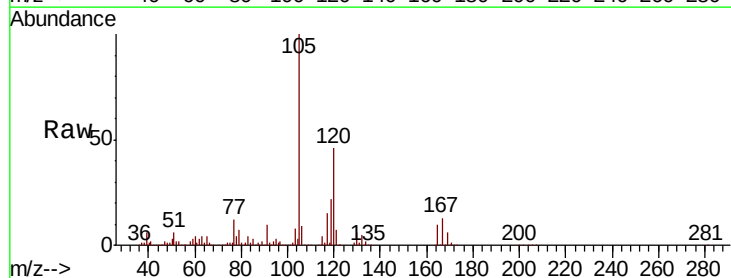
Manual Integrations
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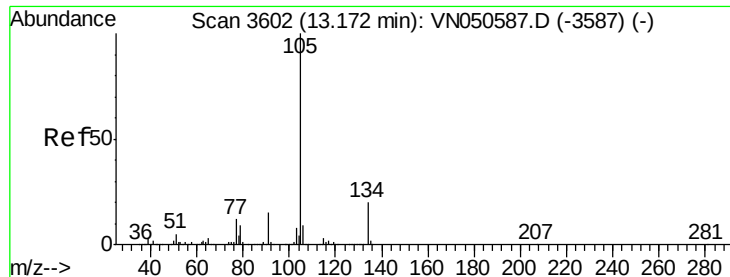
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.64 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.2	69.5





#85

sec-Butylbenzene

Concen: 52.17 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1679070

Ion Ratio Lower Upper

105 100

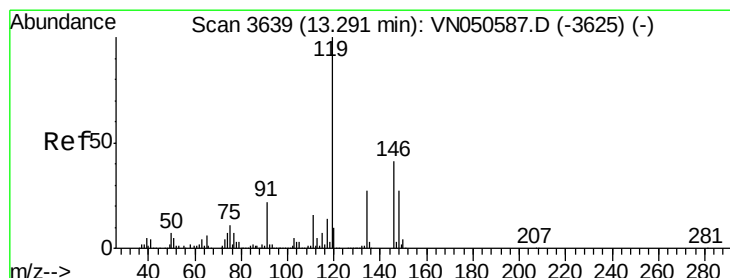
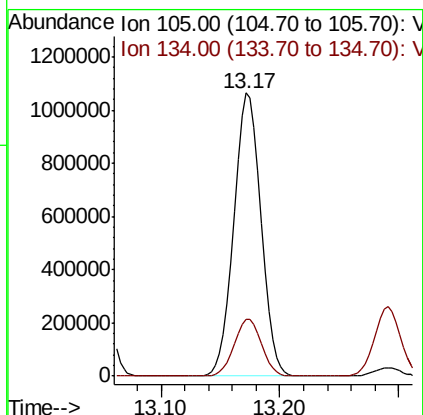
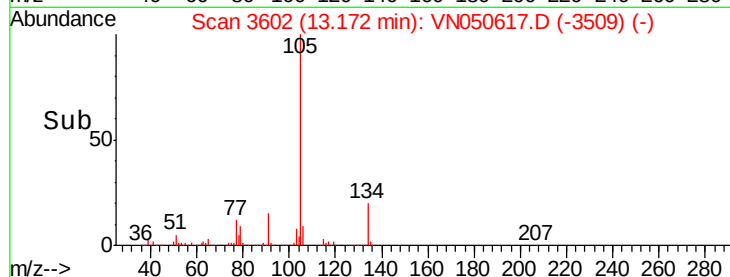
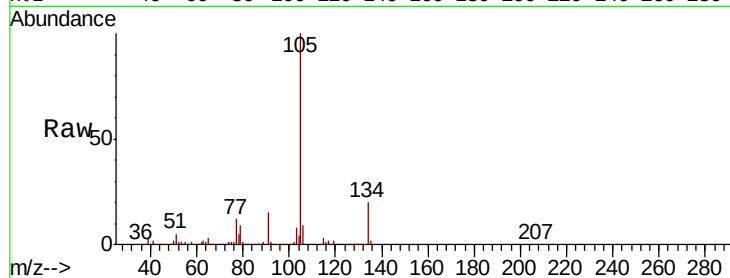
134 20.3 10.1 30.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 53.83 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

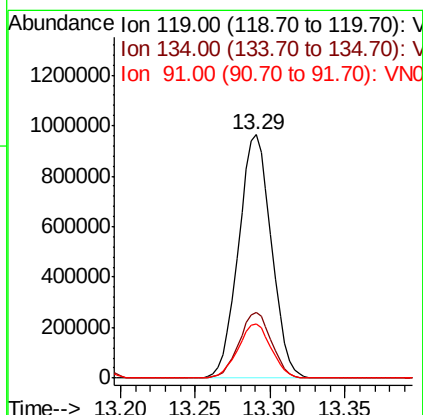
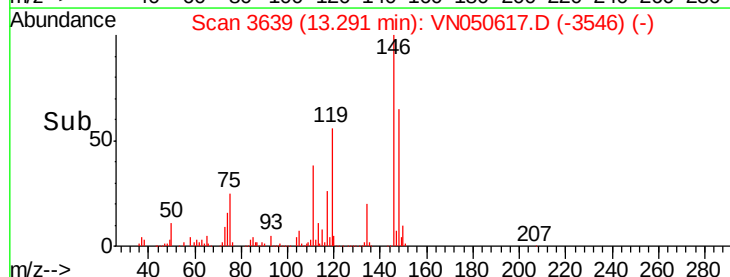
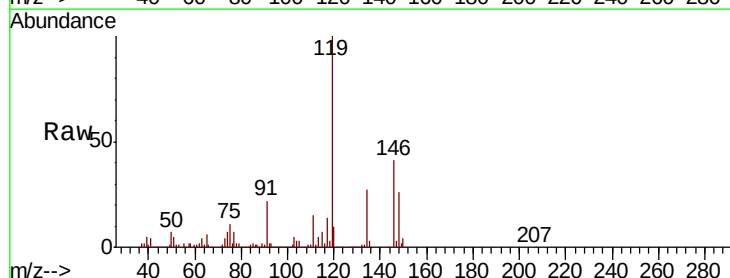
Tgt Ion:119 Resp: 1468132

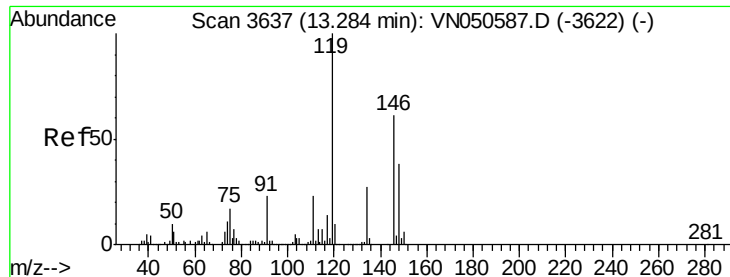
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.5 11.2 33.6





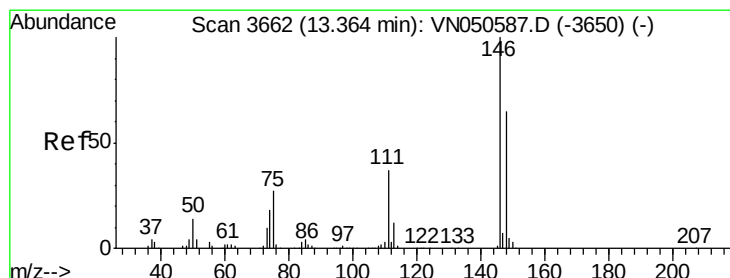
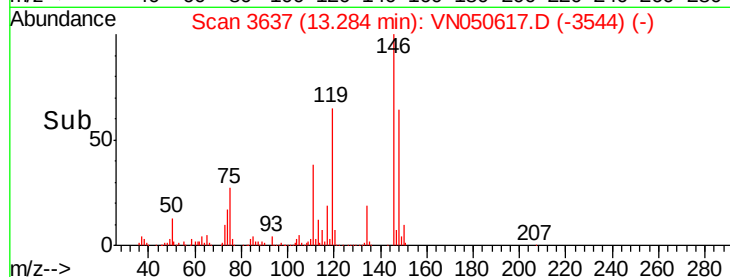
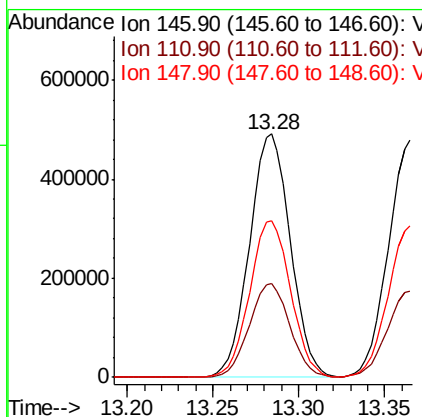
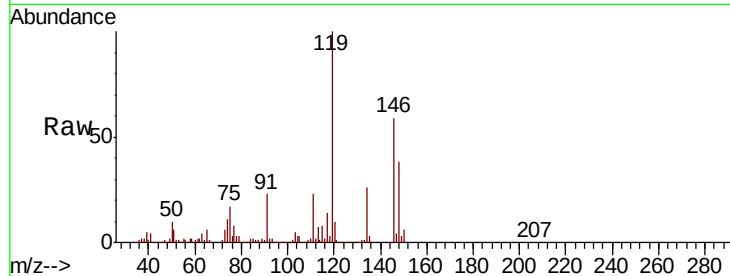
#87
 1,3-Dichlorobenzene
 Concen: 49.38 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.2	57.6
148	64.5	31.9	95.7

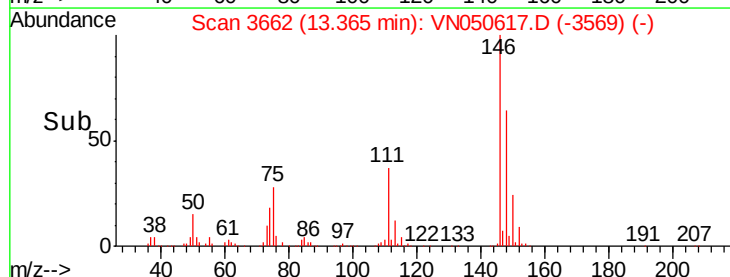
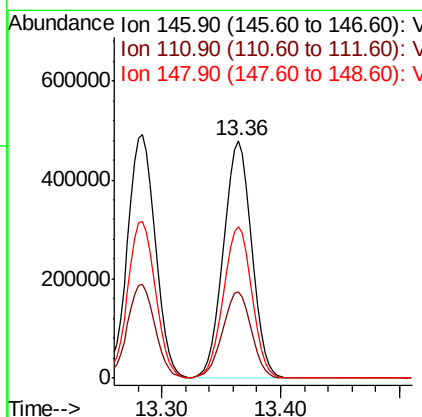
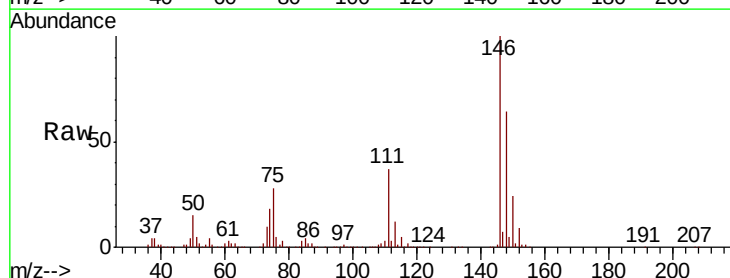
Manual Integrations
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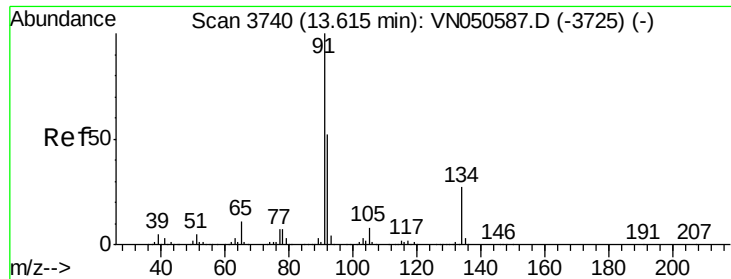
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#88
 1,4-Dichlorobenzene
 Concen: 48.38 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.8	56.4
148	64.4	32.3	96.8





#89

n-Butylbenzene

Concen: 52.62 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1158882

Ion Ratio Lower Upper

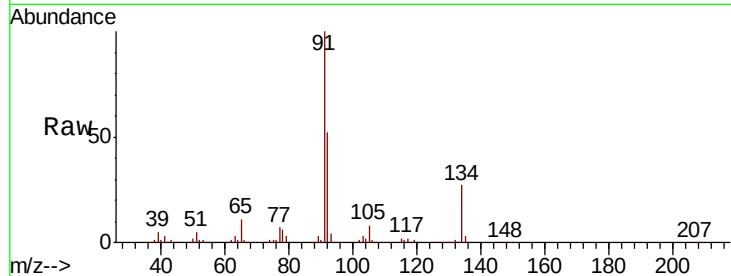
91 100

92 52.0 26.3 78.8

134 26.5 13.3 39.9

Manual Integrations
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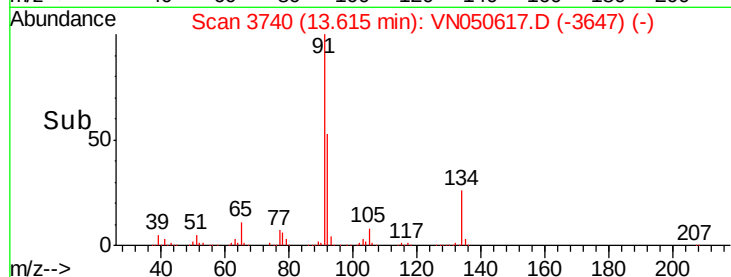


Abundance Ion 91.00 (90.70 to 91.70): VN050587.D (-3725) (-)

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

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

Time-->

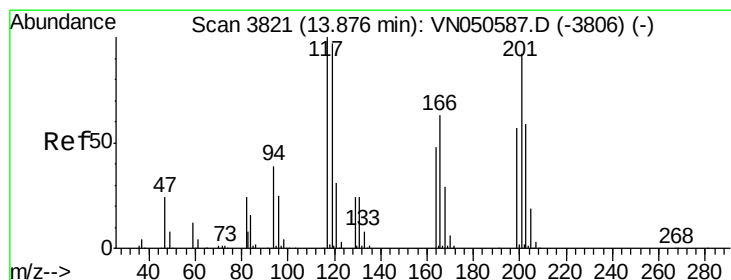


Abundance Ion 91.00 (90.70 to 91.70): VN050617.D (-3647) (-)

Ion 92.00 (91.70 to 92.70): VN050617.D (-3647) (-)

Ion 134.00 (133.70 to 134.70): VN050617.D (-3647) (-)

Time-->



#90

Hexachloroethane

Concen: 46.99 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050617.D

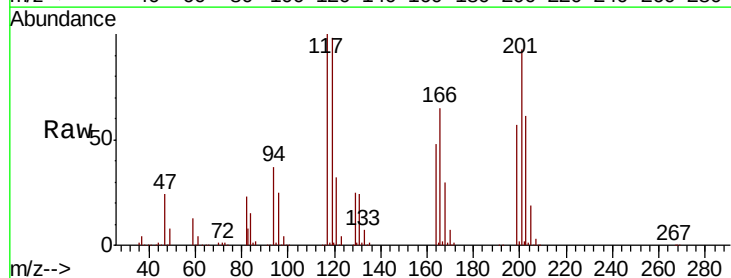
Acq: 14 Aug 2018 21:46

Tgt Ion: 117 Resp: 257672

Ion Ratio Lower Upper

117 100

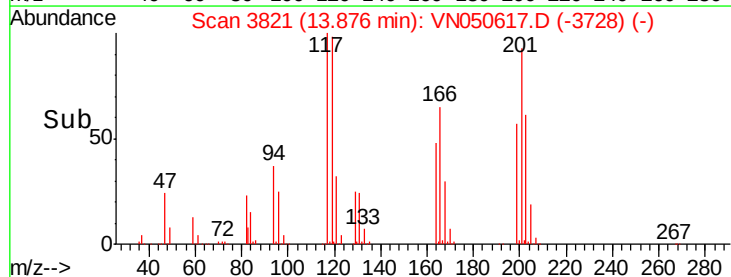
201 92.3 45.5 136.5



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

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

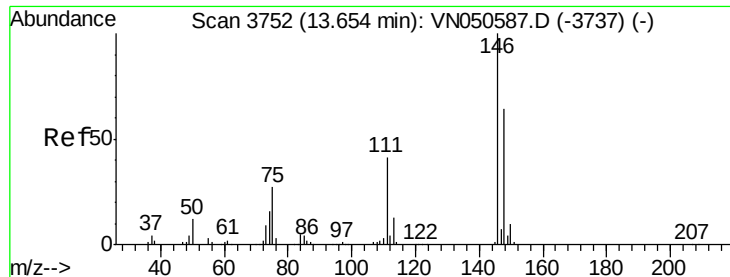
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN050617.D (-3728) (-)

Ion 200.70 (200.40 to 201.40): VN050617.D (-3728) (-)

Time-->



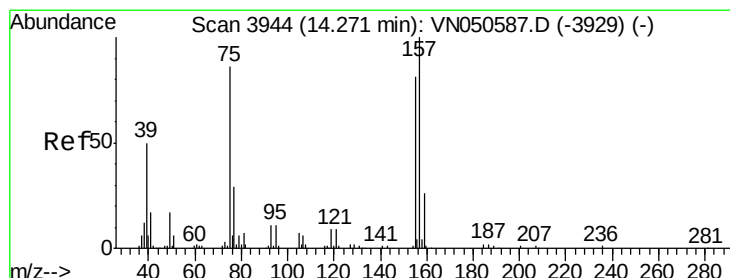
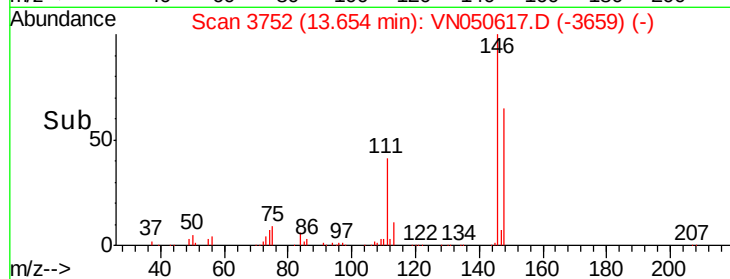
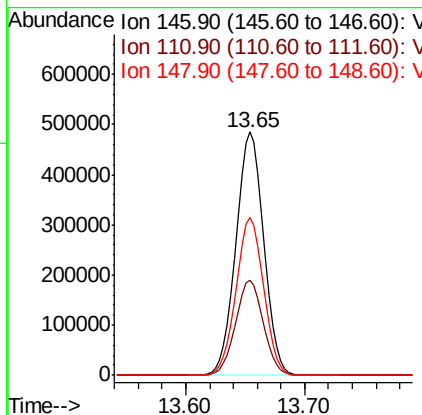
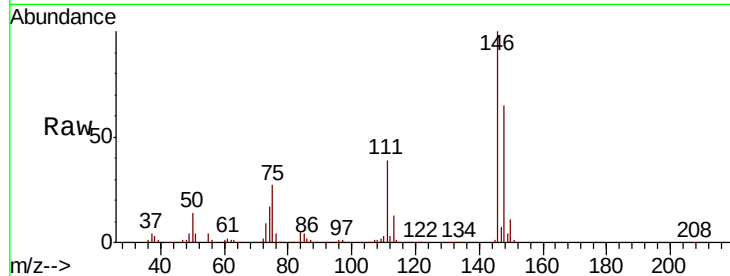
#91
 1,2-Dichlorobenzene
 Concen: 49.15 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.8	59.4
148	64.4	32.3	96.8

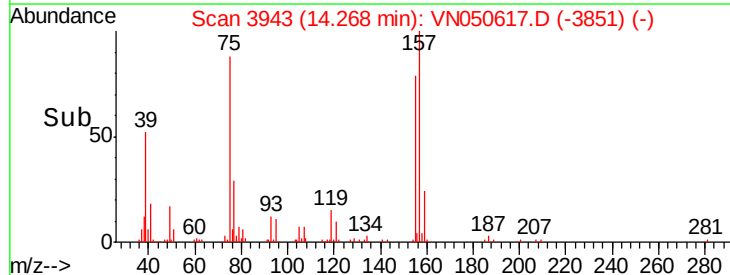
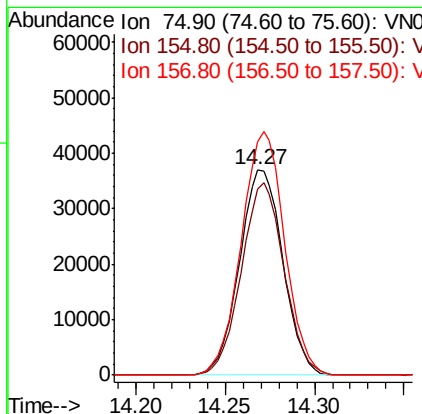
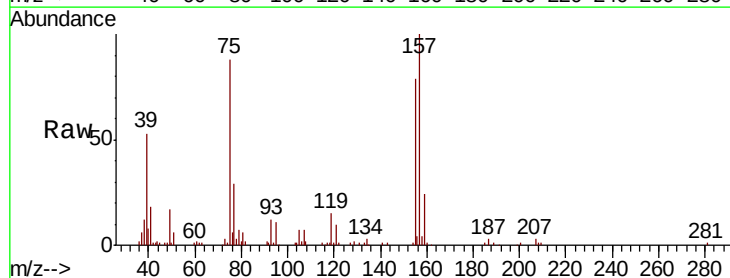
Manual Integrations
 APPROVED

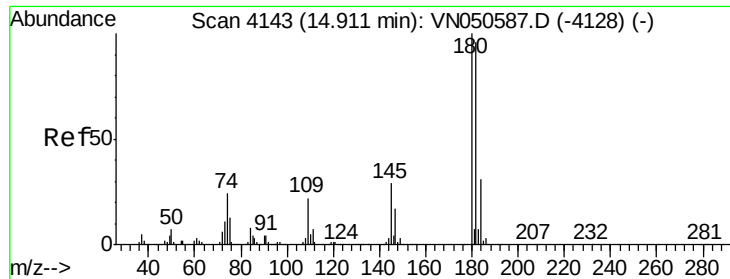
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.66 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	46.6	139.8
157	118.3	58.1	174.2





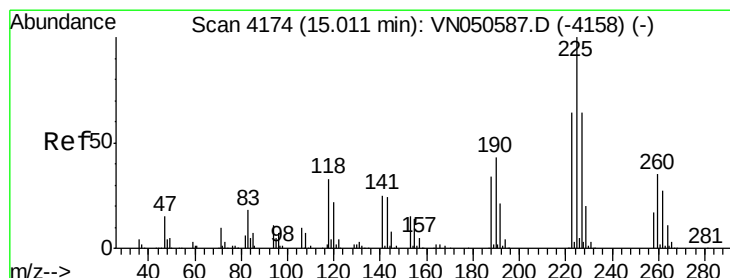
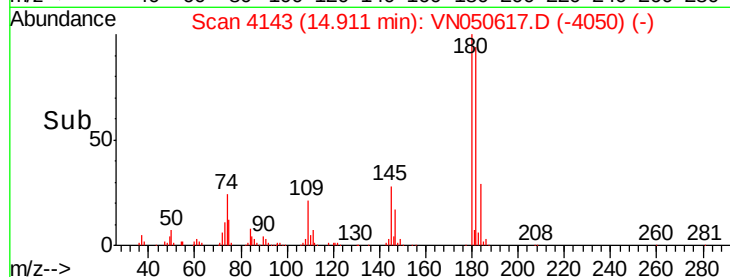
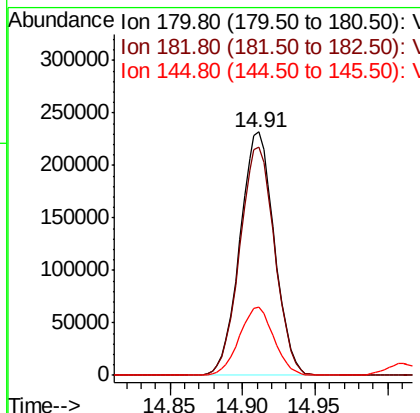
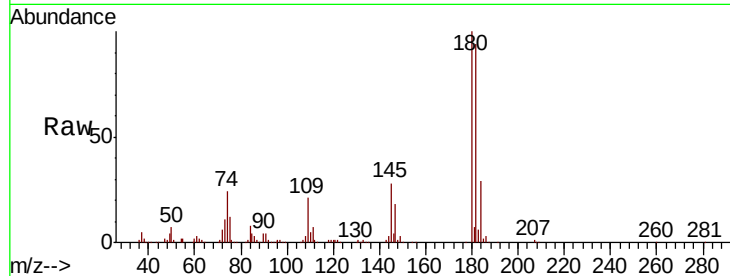
#93
 1,2,4-Trichlorobenzene
 Concen: 46.81 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	47.9	143.7	
145	28.1	14.4	43.4	

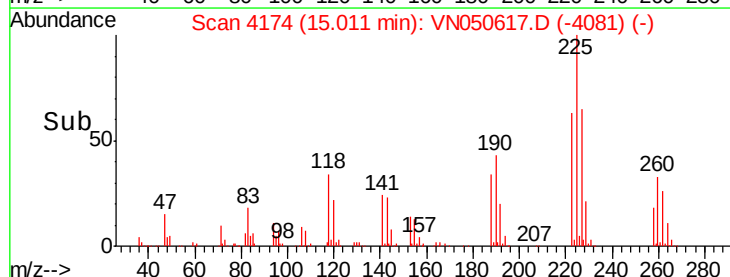
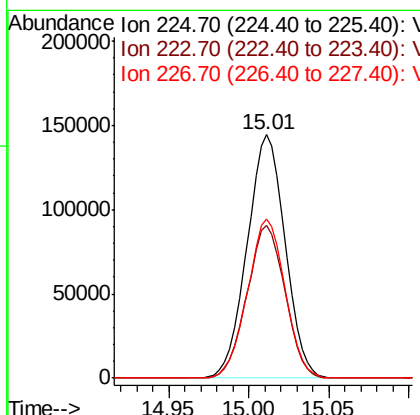
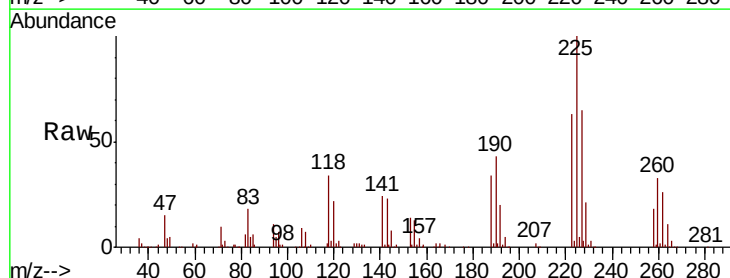
Manual Integrations
 APPROVED

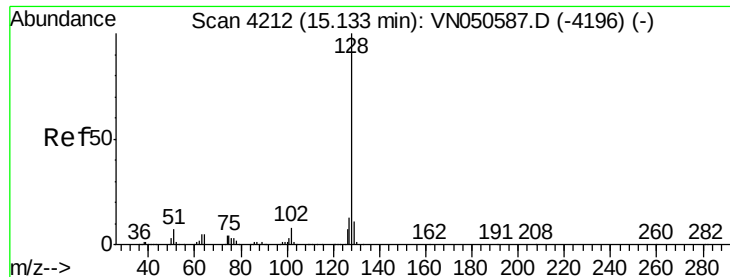
MMDadoda
 8/15/2018 3:32:16 PM



#94
 Hexachlorobutadiene
 Concen: 48.03 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	32.1	96.3	
227	64.7	32.0	96.2	





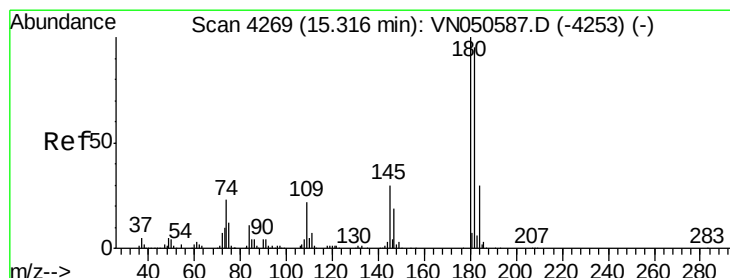
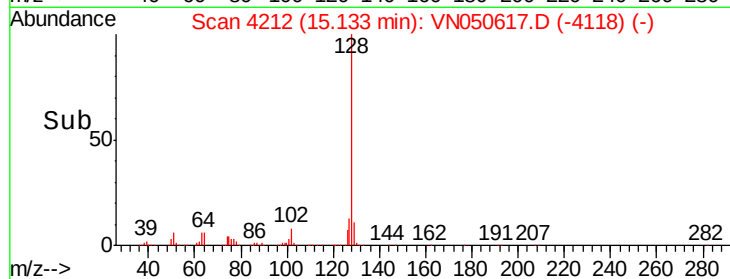
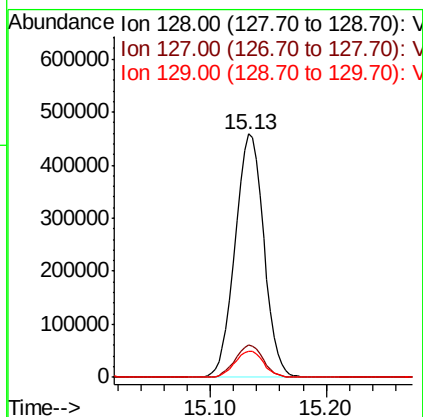
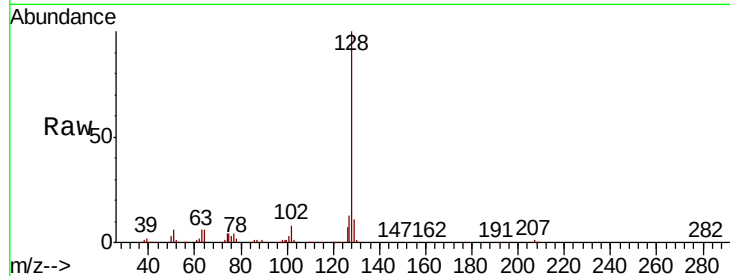
#95
Naphthalene
Concen: 45.41 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.7	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
8/15/2018 3:32:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.58 ug/l
RT: 15.31 min Scan# 4268
Delta R.T. -0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	141.8
145	29.6	14.6	44.0

