

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122218\
 Data File : VN053127.D
 Acq On : 22 Dec 2018 12:45
 Operator : MD\SY
 Sample : J6388-11ME
 Misc : 3.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS010-0612-01ME

Quant Time: Dec 23 23:02:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1112251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1691157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1511757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	582515	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	536476	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
35) Dibromofluoromethane	7.59	113	432469	55.98	ug/l	0.00
Spiked Amount			Recovery	=	111.96%	
50) Toluene-d8	10.09	98	2074240	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
62) 4-Bromofluorobenzene	12.40	95	655235	45.01	ug/l	0.00
Spiked Amount			Recovery	=	90.02%	

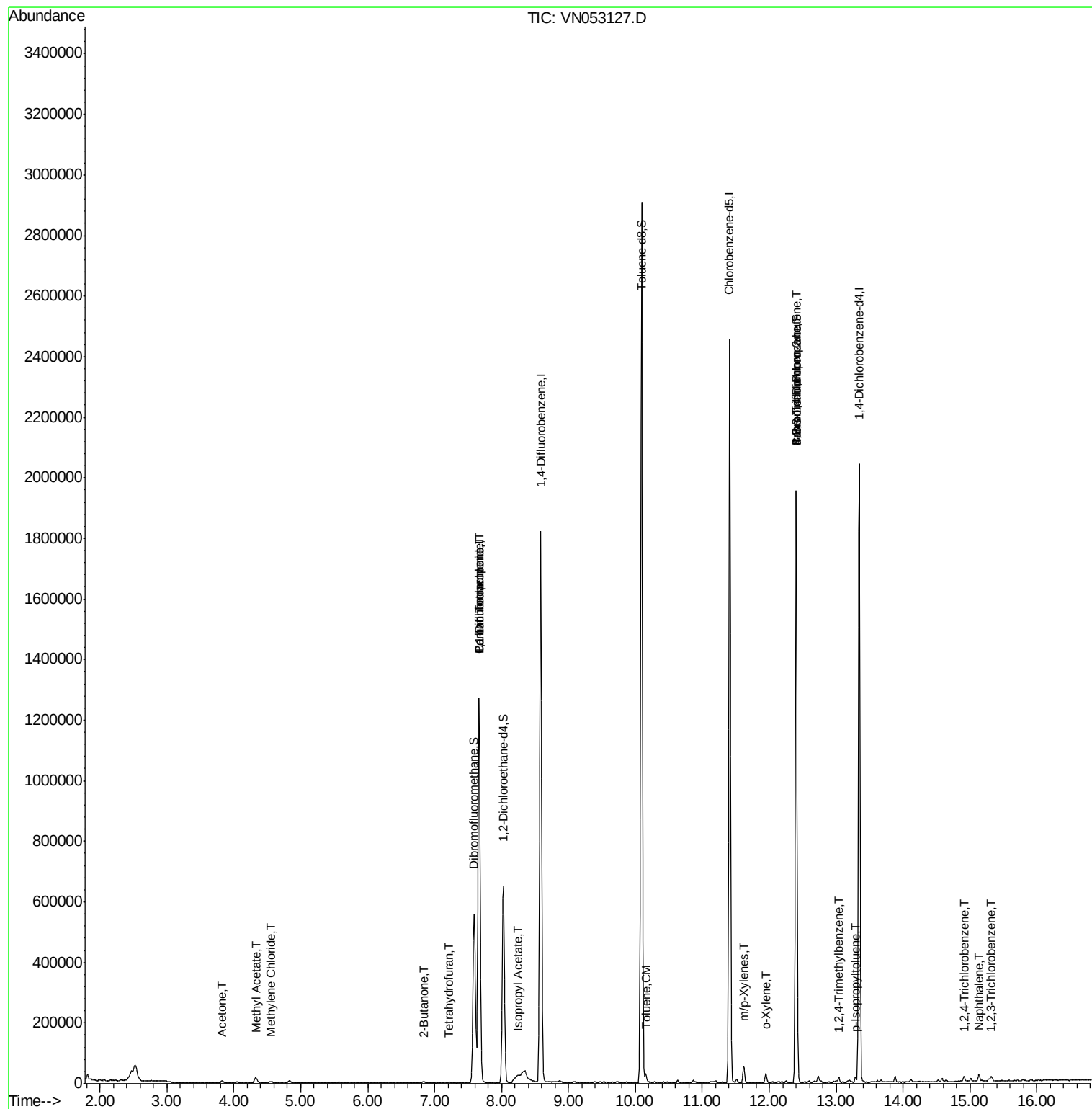
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	12768	5.769	ug/l	89
18) Methyl Acetate	4.33	43	37711	4.672	ug/l	99
20) Methylene Chloride	4.54	84	3998	0.331	ug/l #	80
25) 2-Butanone	6.85	43	1085	0.292	ug/l #	49
29) Tetrahydrofuran	7.22	42	2145	0.773	ug/l #	78
31) Cyclohexane	7.66	56	18190	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	73810	4.547	ug/l #	48
38) Carbon Tetrachloride	7.66	117	96618	6.494	ug/l #	16
43) Isopropyl Acetate	8.23	43	23892	0.325	ug/l #	53
52) Toluene	10.16	92	7842	0.262	ug/l	97
68) m/p-Xylenes	11.62	106	17528	0.800	ug/l	99
69) o-Xylene	11.95	106	8528	0.406	ug/l	98
71) Bromoform	12.40	173	3835	0.456	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	305178	31.121	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	305178	100.308	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.04	105	10622	0.284	ug/l	97
86) p-Isopropyltoluene	13.29	119	7790	0.203	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	5935	1.157	ug/l	95
94) Hexachlorobutadiene	15.01	225	2021	Below Cal		94
95) Naphthalene	15.13	128	18661	1.943	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	5966	1.135	ug/l	97

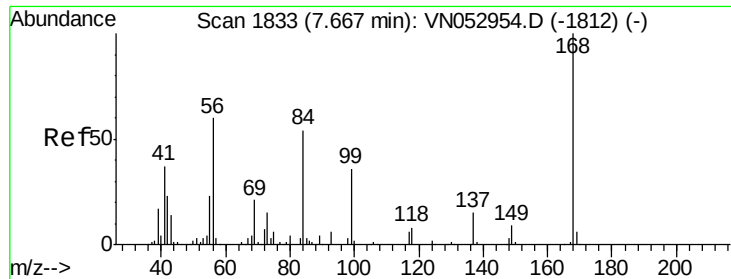
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN122218\
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Acq On : 22 Dec 2018 12:45
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Misc : 3.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053127.D

Acq: 22 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

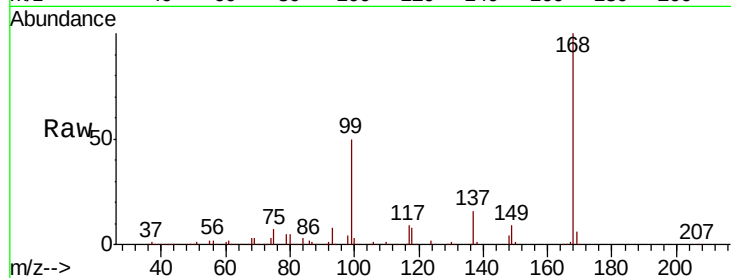
P001-SS010-0612-01ME

Tot Ion:168 Resp: 1112251

Ion Ratio Lower Upper

168 100

99 50.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053127.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053127.D (-1740) (-)

7.66

500000

400000

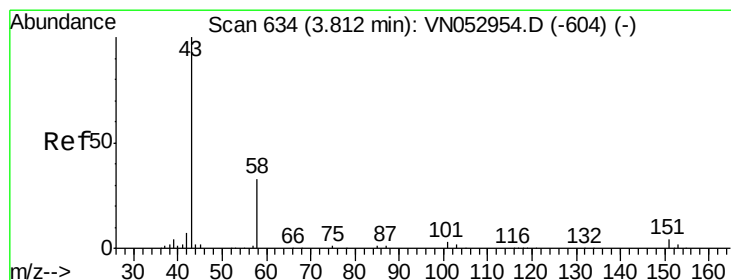
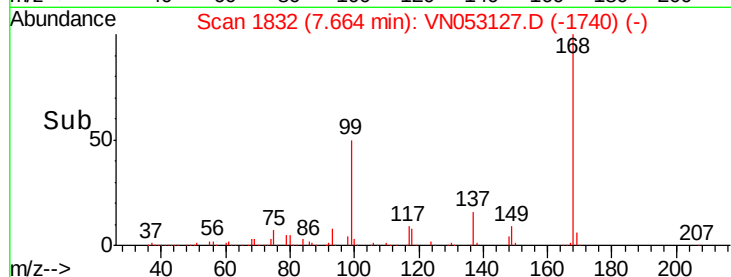
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 5.769 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053127.D

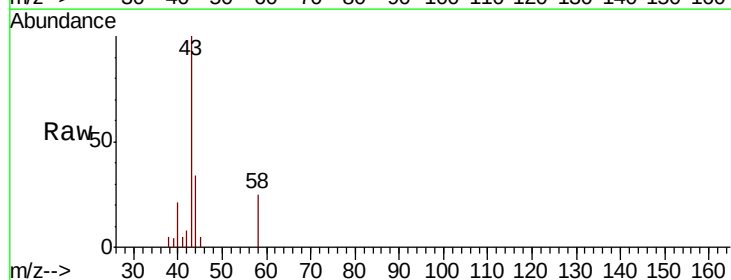
Acq: 22 Dec 2018 12:45

Tgt Ion: 43 Resp: 12768

Ion Ratio Lower Upper

43 100

58 25.4 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053127.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053127.D (-541) (-)

3.82

5000

4000

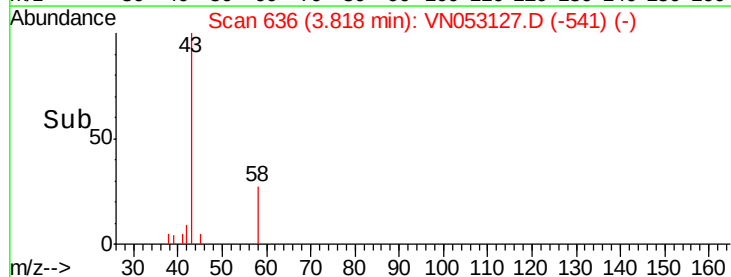
3000

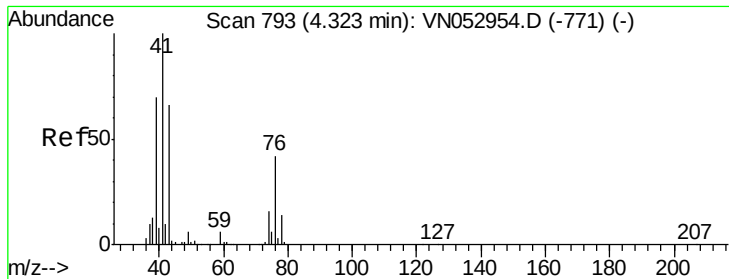
2000

1000

0

Time-->

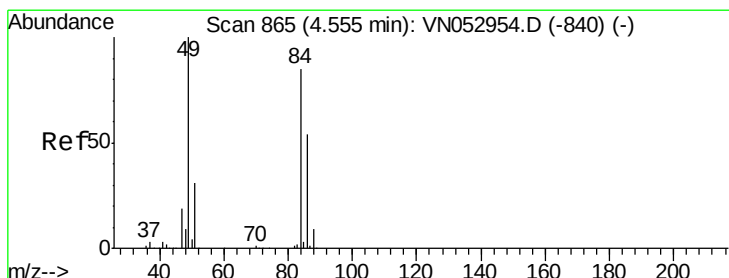
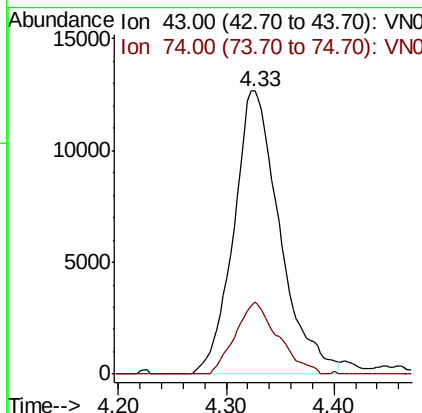
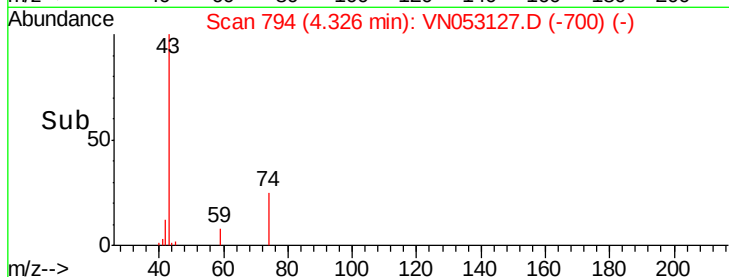
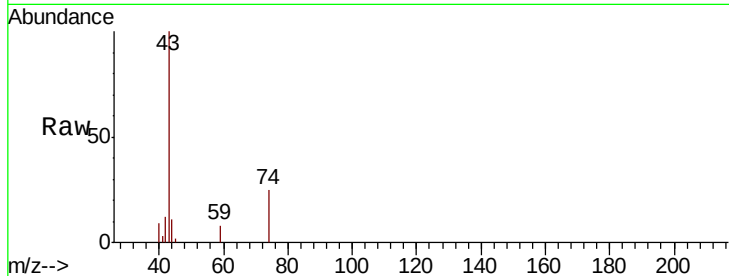




#18
Methvl Acetate
Concen: 4.672 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053127.D
Acq: 22 Dec 2018 12:45

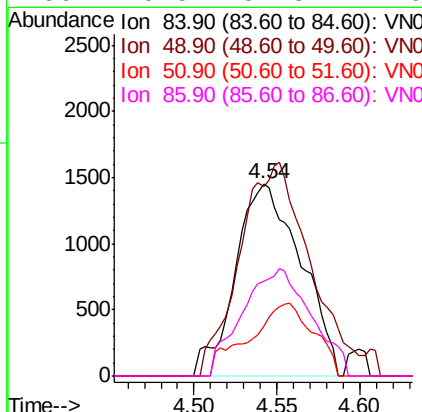
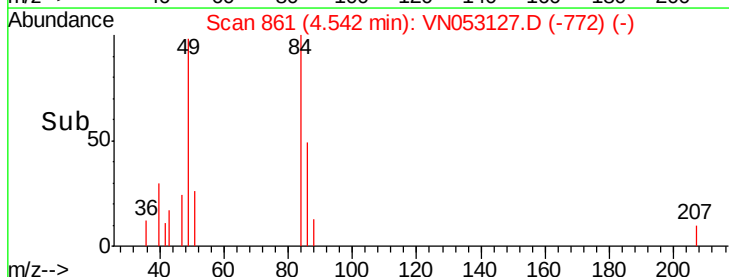
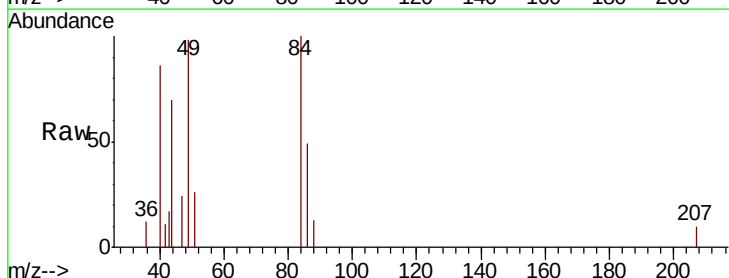
Instrument :
MSVOA_N
ClientSampleId :
P001-SS010-0612-01ME

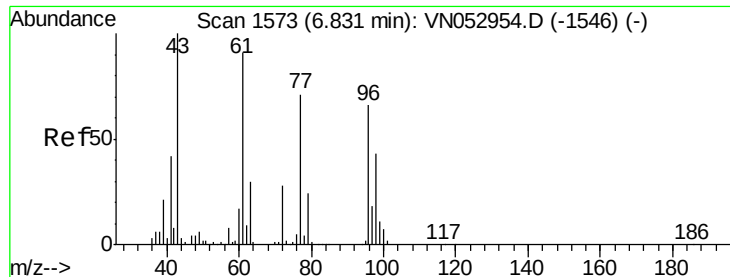
Tot Ion: 43 Resp: 37711
Ion Ratio Lower Upper
43 100
74 23.5 19.2 28.8



#20
Methylene Chloride
Concen: 0.331 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.01 min
Lab File: VN053127.D
Acq: 22 Dec 2018 12:45

Tgt Ion: 84 Resp: 3998
Ion Ratio Lower Upper
84 100
49 98.1 96.8 145.2
51 26.0 29.9 44.9#
86 49.5 51.8 77.6#





#25

2-Butanone

Concen: 0.292 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.02 min

Lab File: VN053127.D

Acq: 22 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

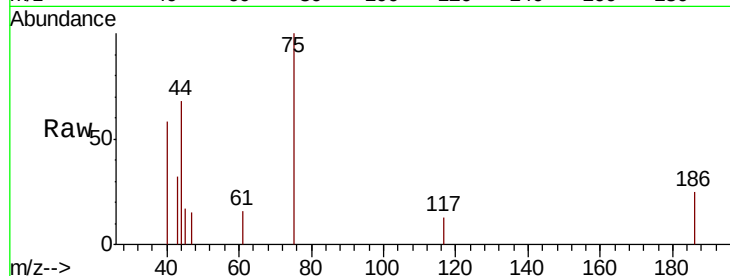
P001-SS010-0612-01ME

Tot Ion: 43 Resp: 1085

Ion Ratio Lower Upper

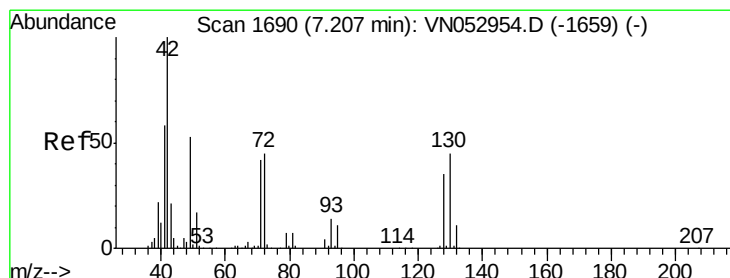
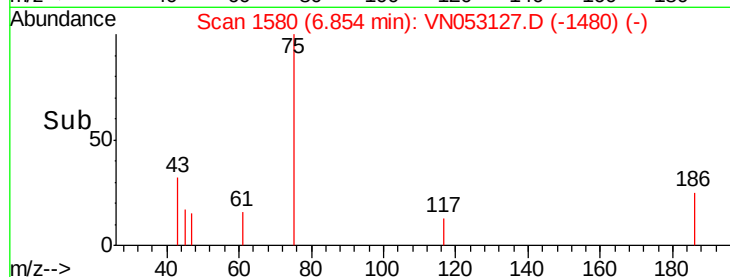
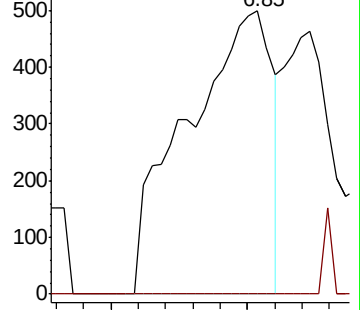
43 100

72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.773 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VN053127.D

Acq: 22 Dec 2018 12:45

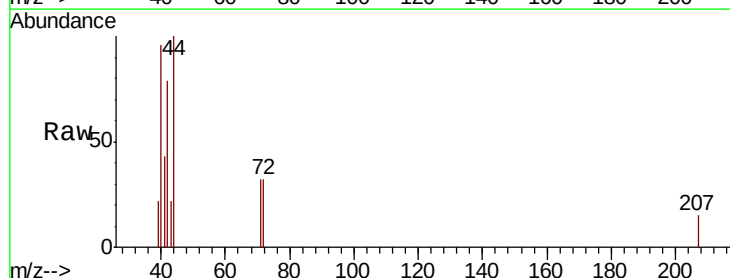
Tgt Ion: 42 Resp: 2145

Ion Ratio Lower Upper

42 100

72 20.9 34.7 52.1#

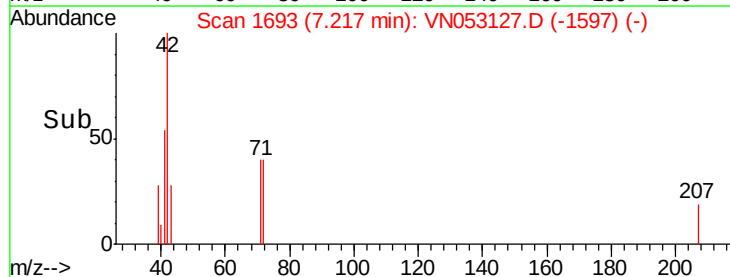
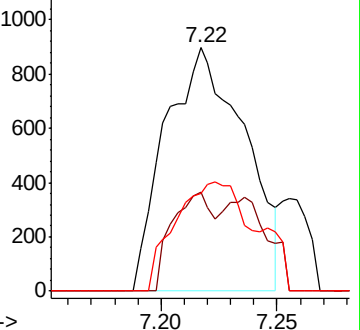
71 45.8 32.3 48.5

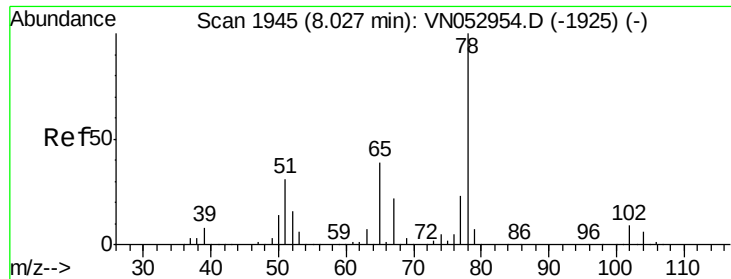


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

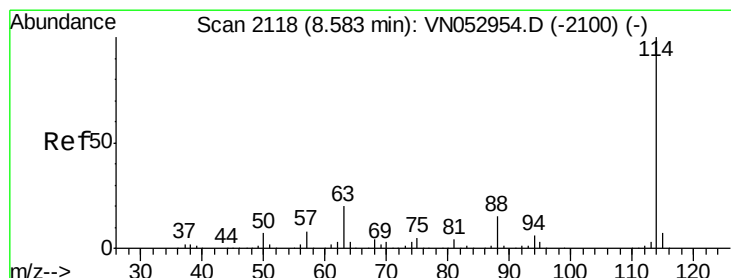
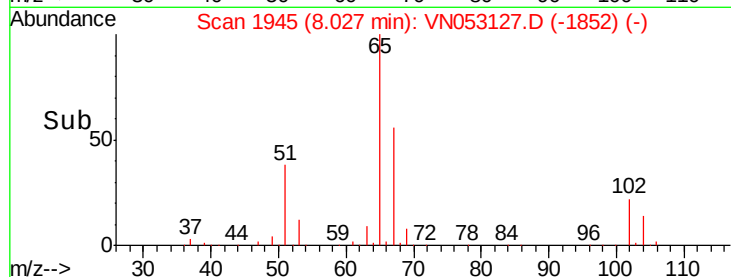
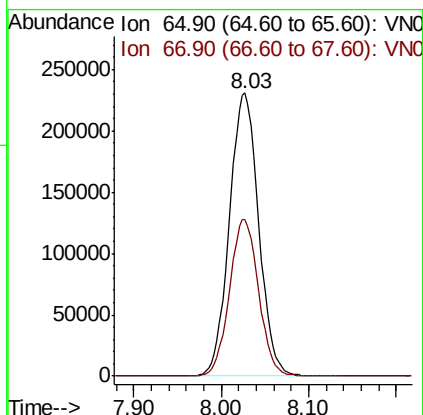
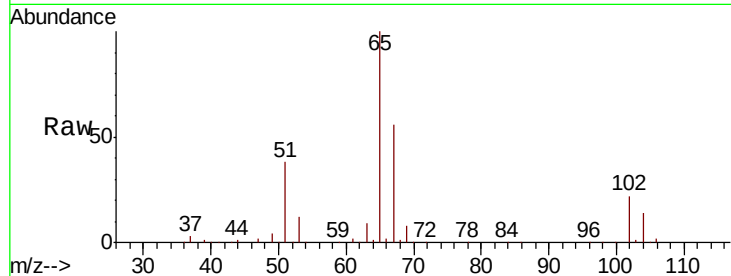




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053127.D
 Acq: 22 Dec 2018 12:45

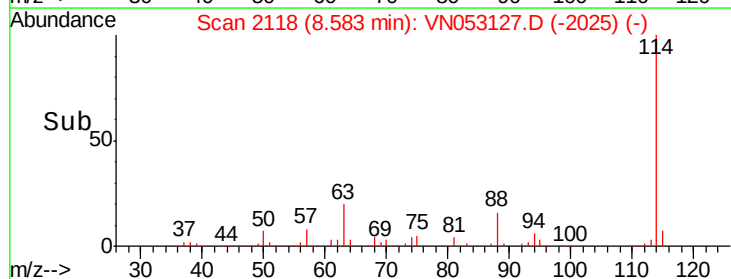
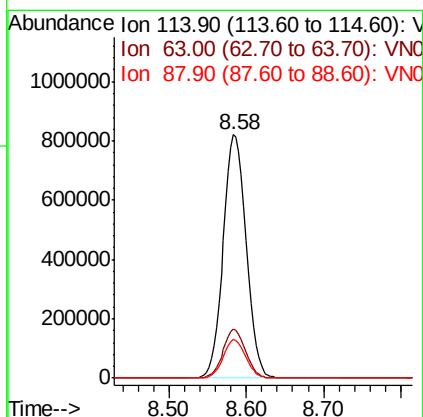
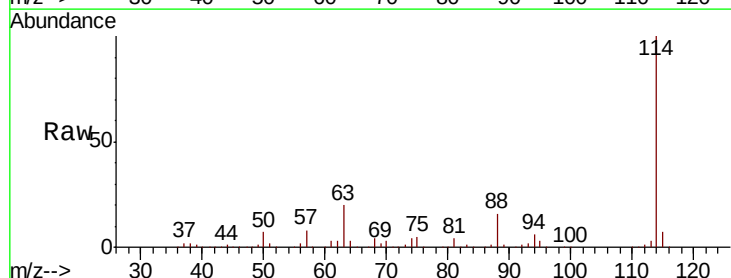
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS010-0612-01ME

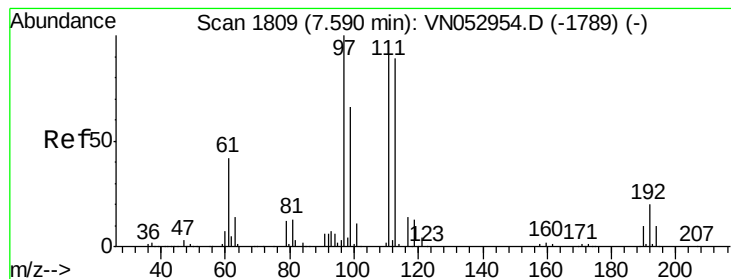
Tot Ion: 65 Resp: 536476
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN053127.D
 Acq: 22 Dec 2018 12:45

Tgt Ion: 114 Resp: 1691157
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053127.D

Acq: 22 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

P001-SS010-0612-01ME

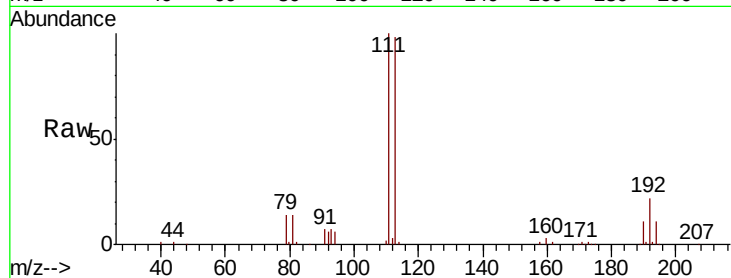
Tot Ion:113 Resp: 432469

Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.4

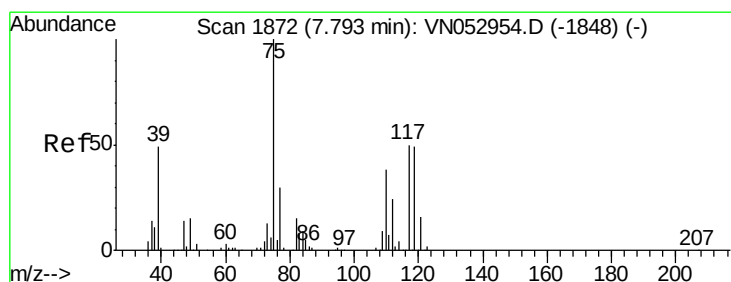
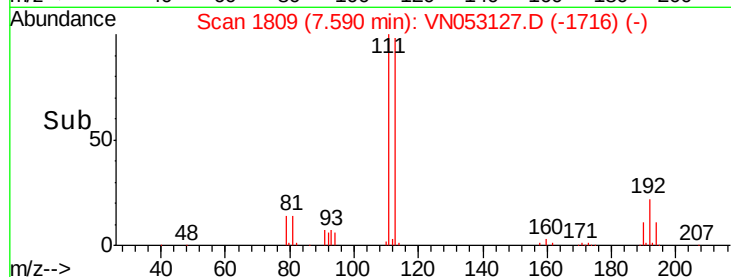
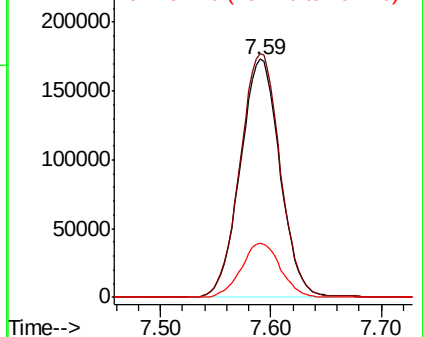
192 22.5 17.5 26.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.547 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN053127.D

Acq: 22 Dec 2018 12:45

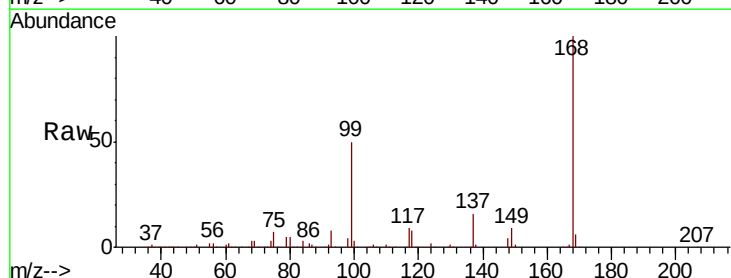
Tgt Ion: 75 Resp: 73810

Ion Ratio Lower Upper

75 100

110 7.9 18.2 54.6#

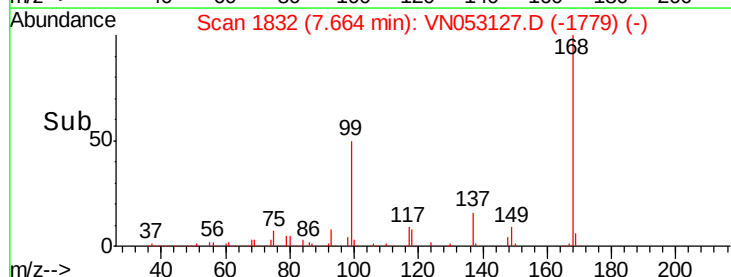
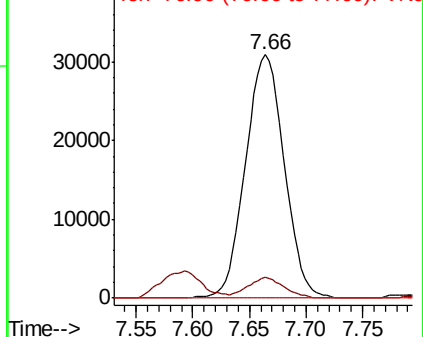
77 0.0 24.9 37.3#

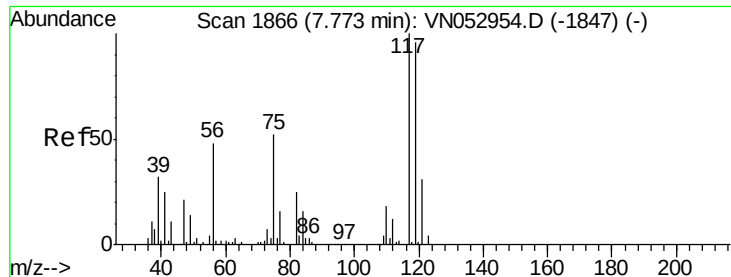


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.494 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053127.D

Acq: 22 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

P001-SS010-0612-01ME

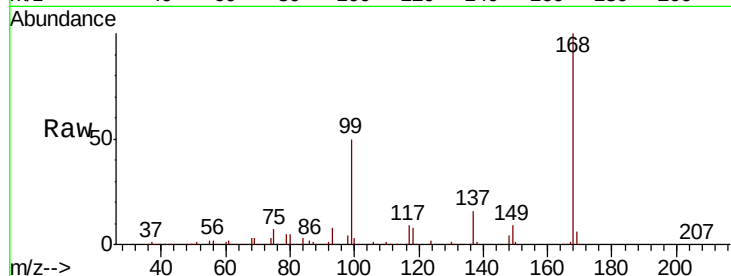
Tot Ion:117 Resp: 96618

Ion Ratio Lower Upper

117 100

119 5.0 77.1 115.7#

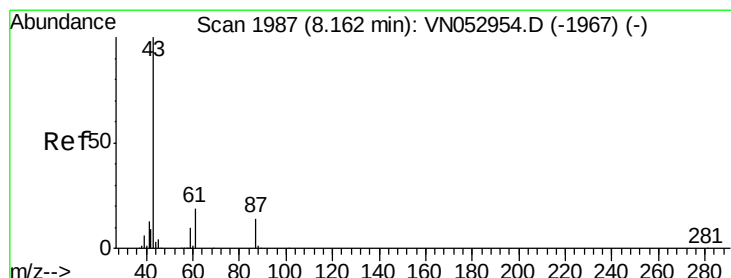
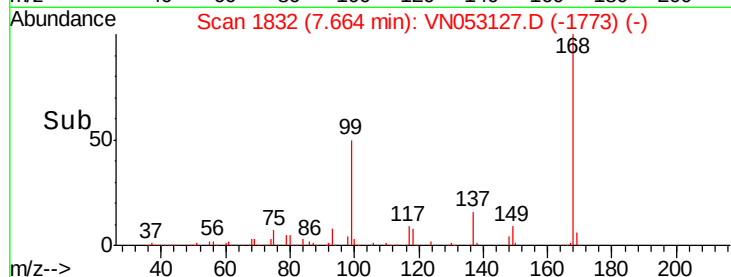
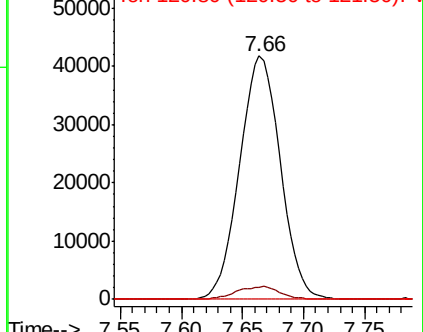
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 0.325 ug/l

RT: 8.23 min Scan# 2008

Delta R.T. 0.07 min

Lab File: VN053127.D

Acq: 22 Dec 2018 12:45

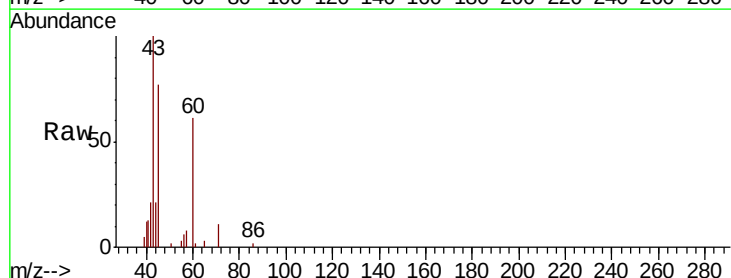
Tgt Ion: 43 Resp: 23892

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

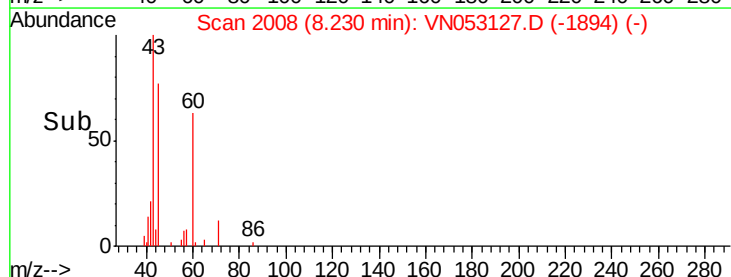
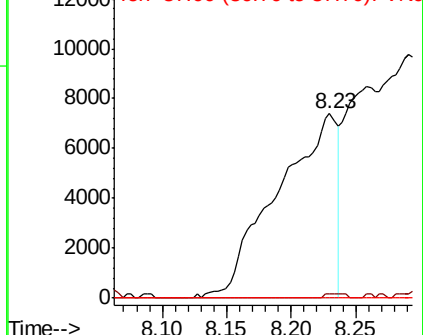
87 0.0 10.6 15.8#

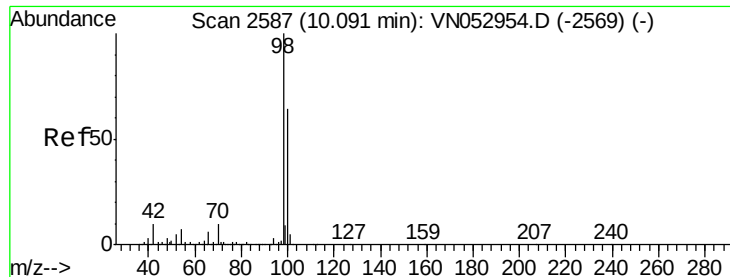


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053127.D

Acq: 22 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

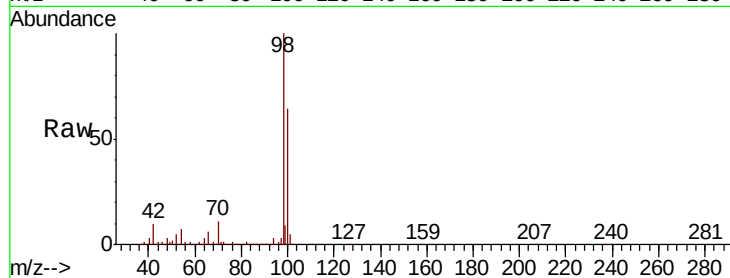
P001-SS010-0612-01ME

Tot Ion: 98 Resp: 2074240

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

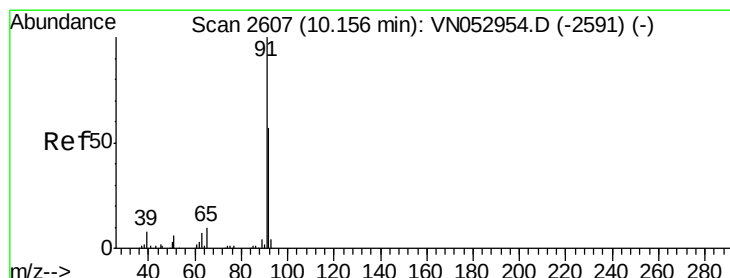
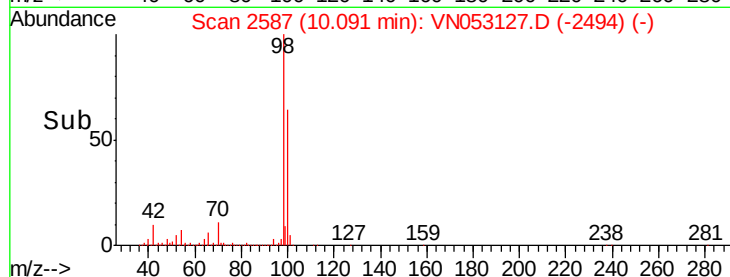
10.09

1000000

500000

0

Time-->



#52

Toluene

Concen: 0.262 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN053127.D

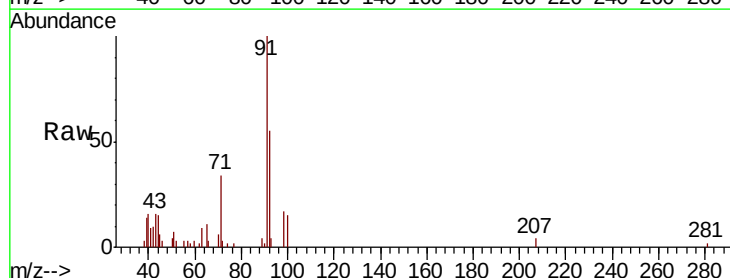
Acq: 22 Dec 2018 12:45

Tgt Ion: 92 Resp: 7842

Ion Ratio Lower Upper

92 100

91 178.3 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

8000

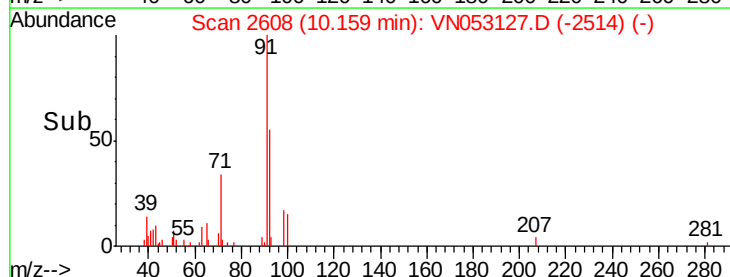
6000

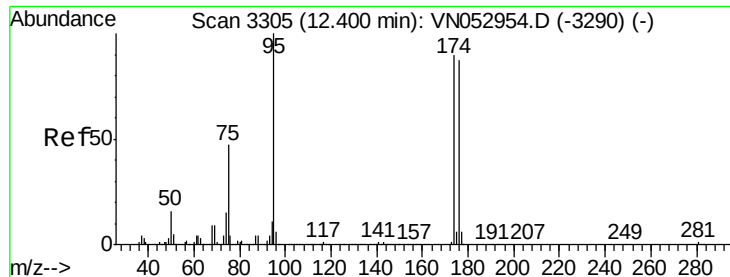
4000

2000

0

Time-->





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053127.D

Acq: 22 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

P001-SS010-0612-01ME

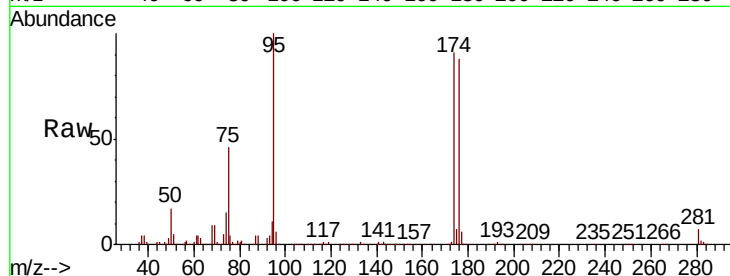
Tot Ion: 95 Resp: 655235

Ion Ratio Lower Upper

95 100

174 89.9 0.0 178.8

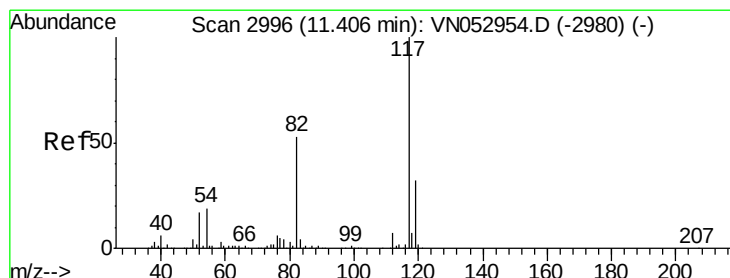
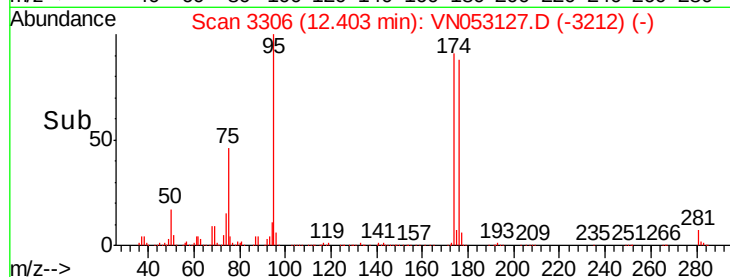
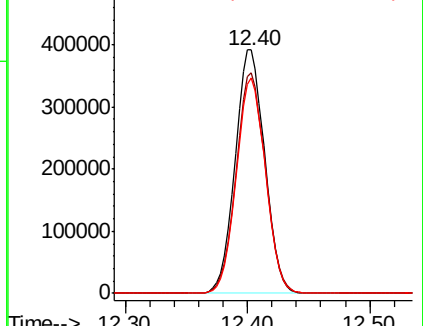
176 87.4 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053127.D

Acq: 22 Dec 2018 12:45

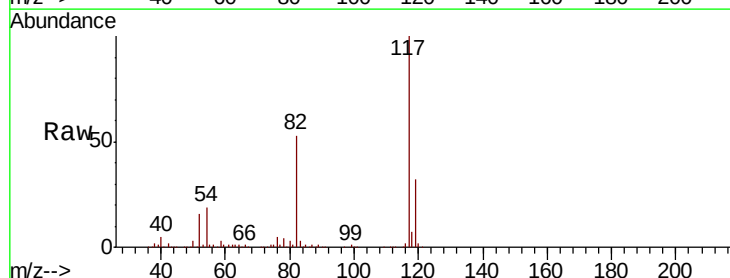
Tgt Ion: 117 Resp: 1511757

Ion Ratio Lower Upper

117 100

82 52.7 42.8 64.2

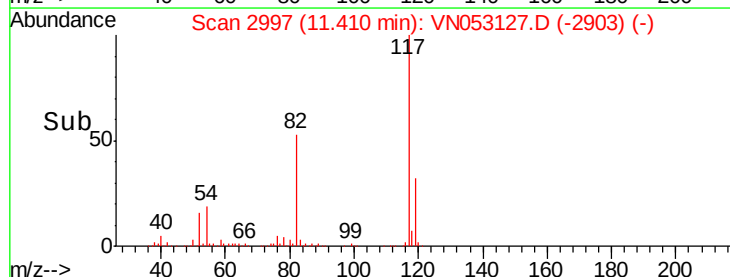
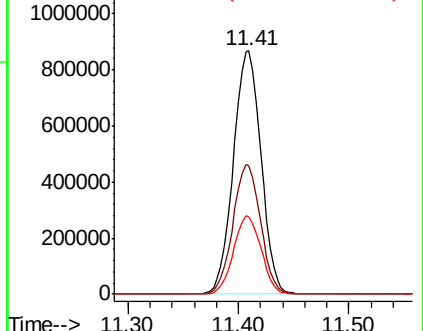
119 31.8 25.5 38.3

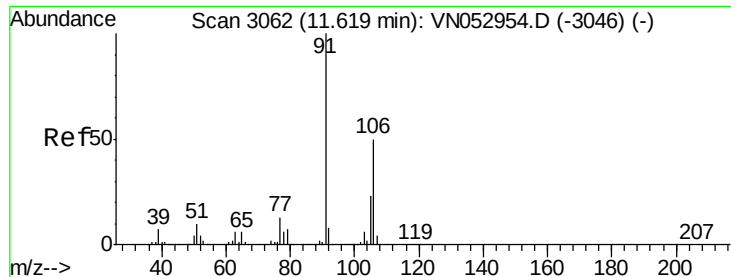


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

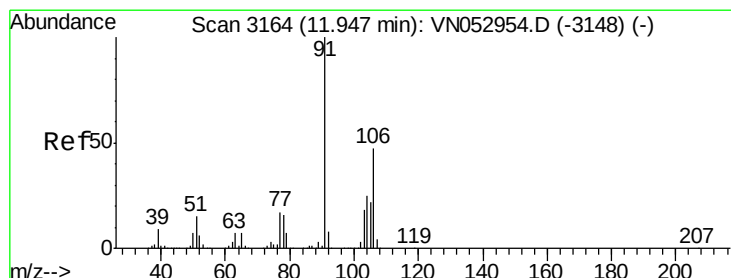
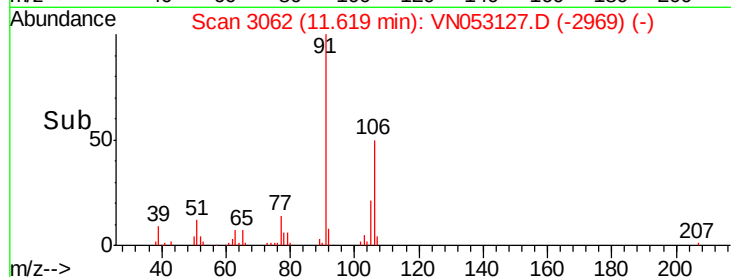
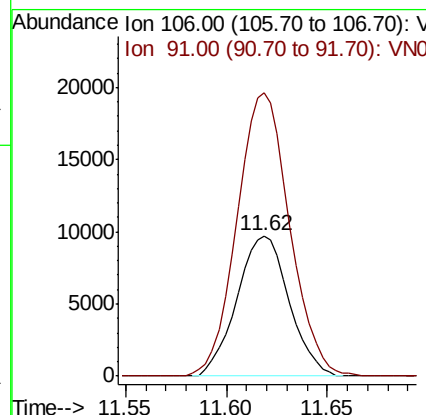
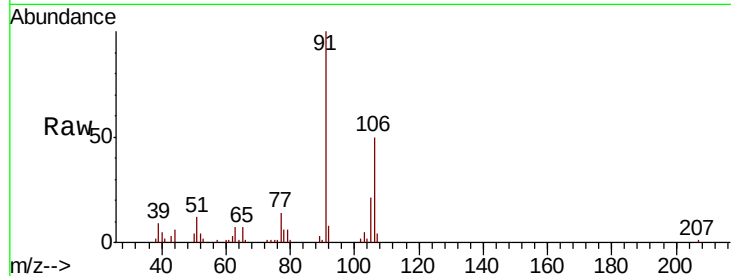




#68
m/p-Xylenes
Concen: 0.800 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN053127.D
Acq: 22 Dec 2018 12:45

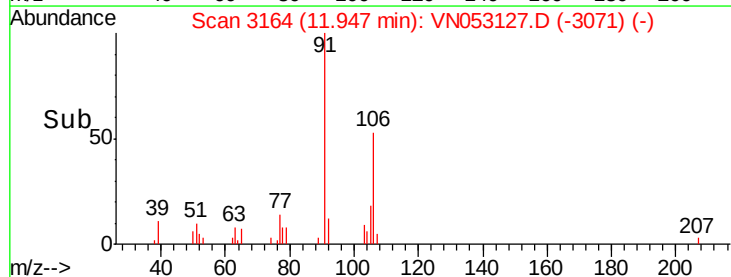
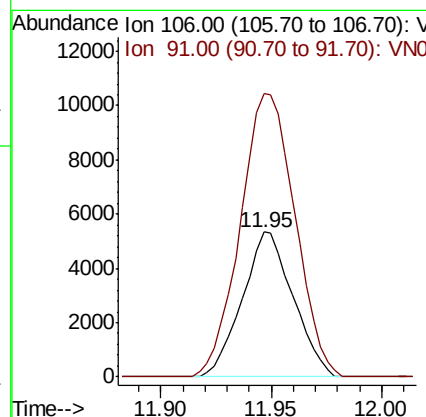
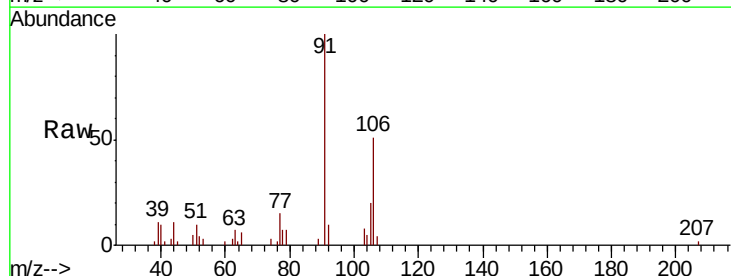
Instrument :
MSVOA_N
ClientSampleId :
P001-SS010-0612-01ME

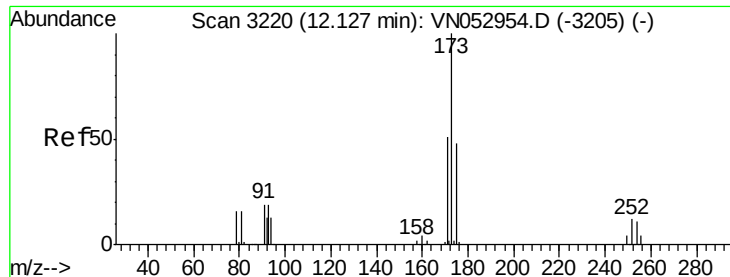
Tot Ion:106 Resp: 17528
Ion Ratio Lower Upper
106 100
91 203.8 162.2 243.4



#69
o-Xylene
Concen: 0.406 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053127.D
Acq: 22 Dec 2018 12:45

Tgt Ion:106 Resp: 8528
Ion Ratio Lower Upper
106 100
91 210.1 106.6 319.8





#71

Bromoform

Concen: 0.456 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053127.D

Acq: 22 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

P001-SS010-0612-01ME

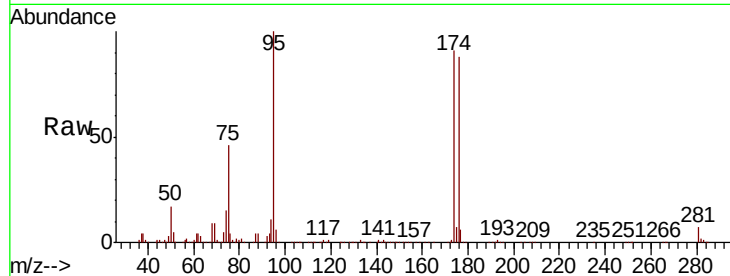
Tot Ion:173 Resp: 3835

Ion Ratio Lower Upper

173 100

175 955.2 24.3 72.9#

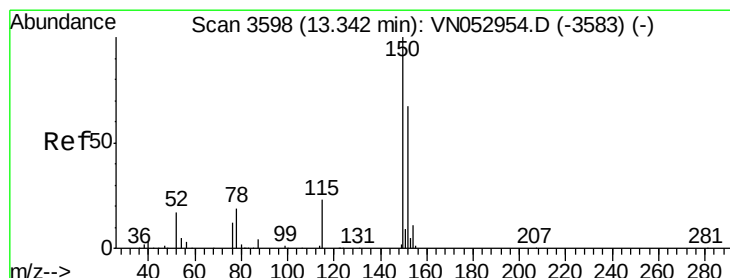
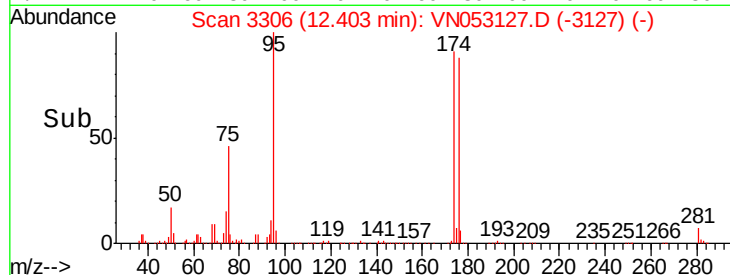
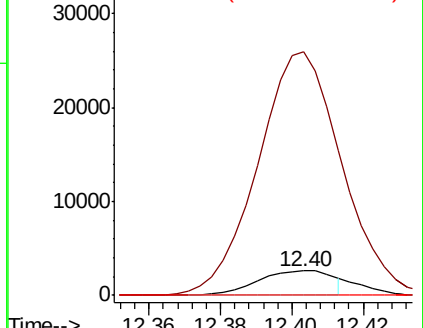
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053127.D

Acq: 22 Dec 2018 12:45

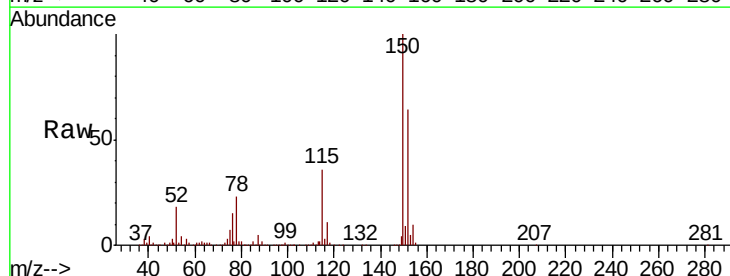
Tgt Ion:152 Resp: 582515

Ion Ratio Lower Upper

152 100

115 56.1 28.3 85.0

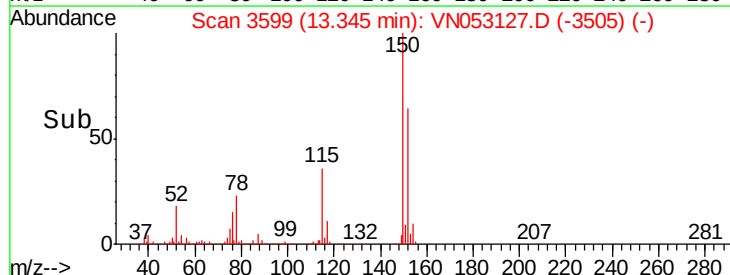
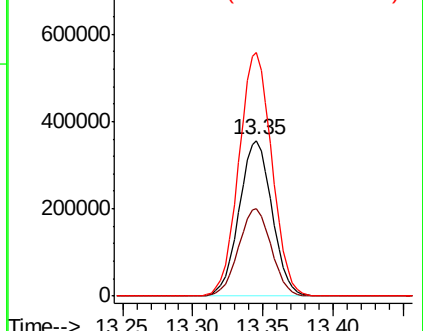
150 157.3 0.0 347.8

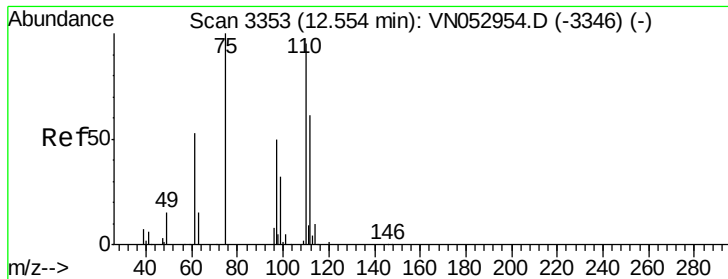


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

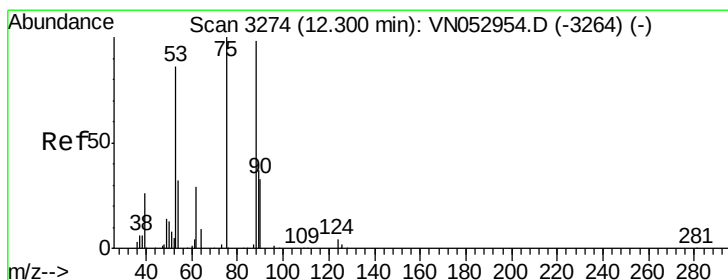
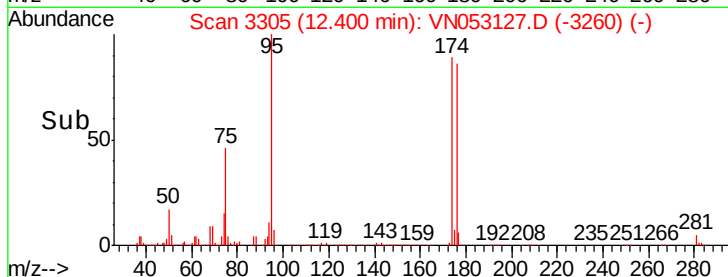
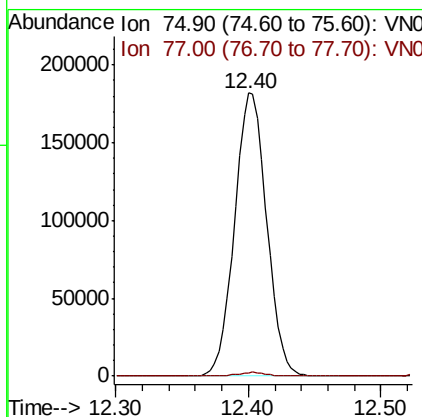
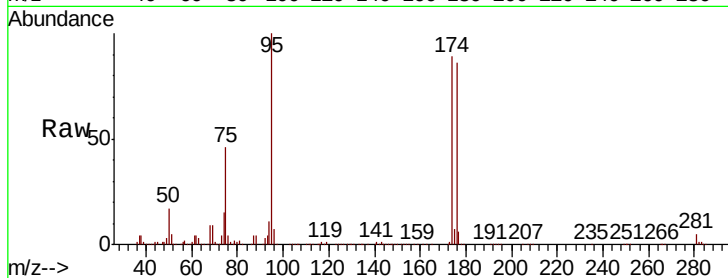




#76
 1,2,3-Trichloropropane
 Concen: 31.121 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN053127.D
 Acq: 22 Dec 2018 12:45

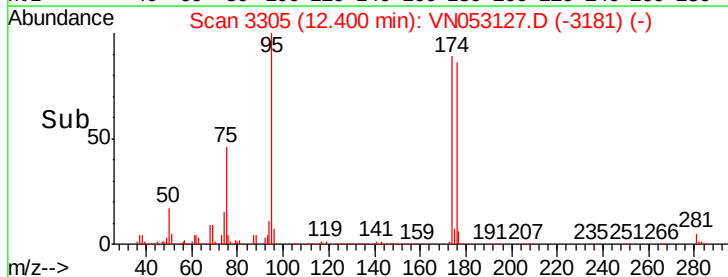
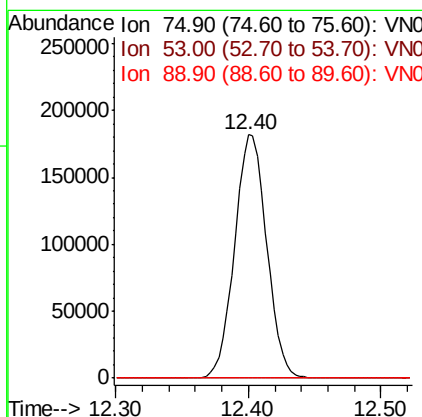
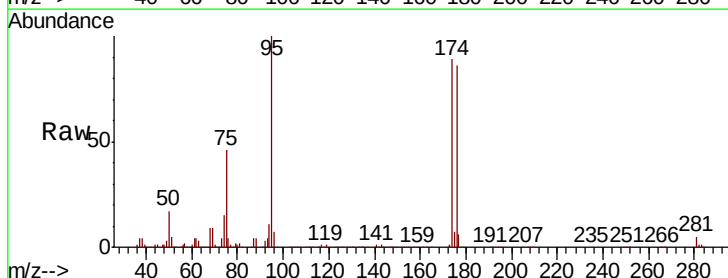
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS010-0612-01ME

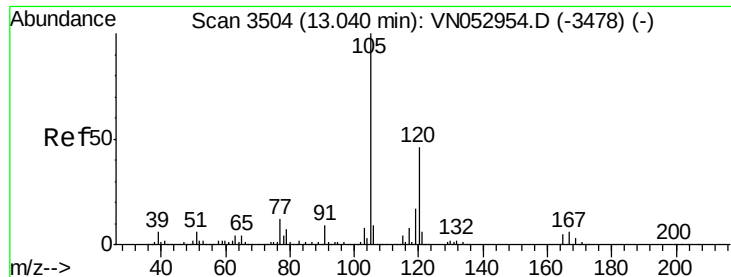
Tot Ion: 75 Resp: 305178
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.308 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN053127.D
 Acq: 22 Dec 2018 12:45

Tgt Ion: 75 Resp: 305178
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.7 112.1#
 89 0.1 36.1 54.1#





#84

1,2,4-Trimethylbenzene

Concen: 0.284 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN053127.D

Acq: 22 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

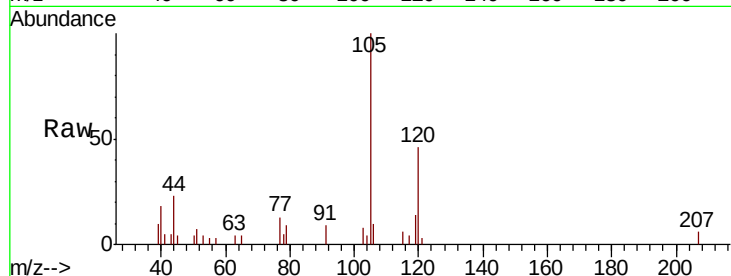
P001-SS010-0612-01ME

Tot Ion:105 Resp: 10622

Ion Ratio Lower Upper

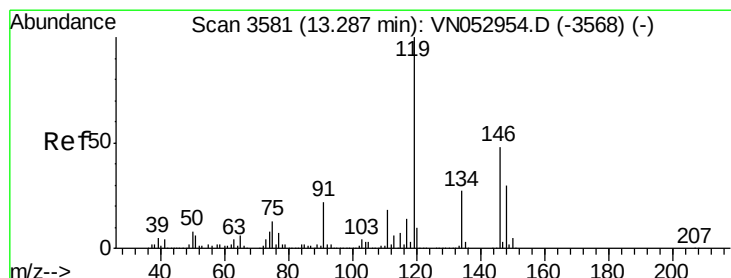
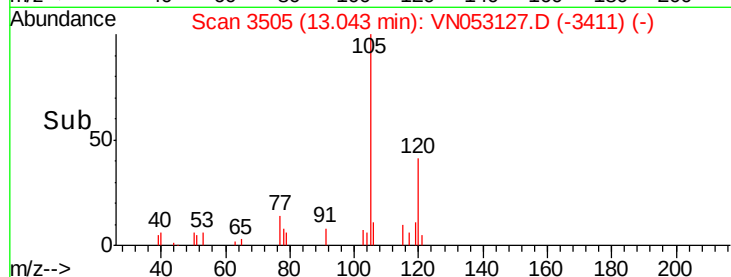
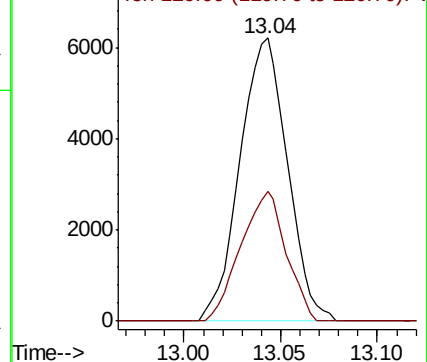
105 100

120 43.7 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#86

p-Isopropyltoluene

Concen: 0.203 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053127.D

Acq: 22 Dec 2018 12:45

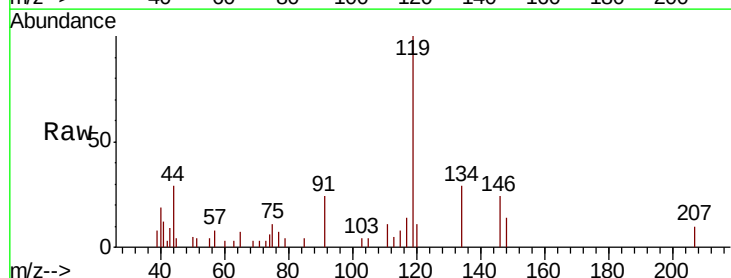
Tgt Ion:119 Resp: 7790

Ion Ratio Lower Upper

119 100

134 28.1 13.4 40.2

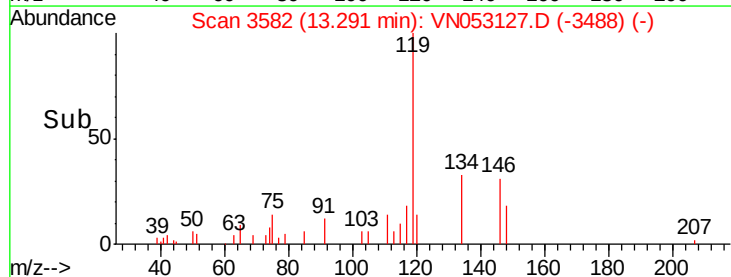
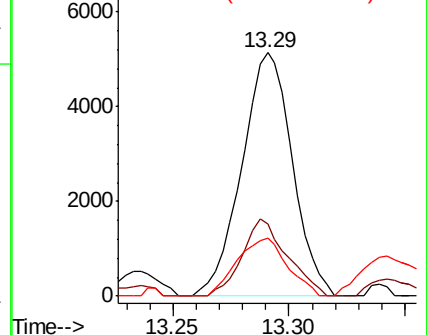
91 23.6 11.1 33.3

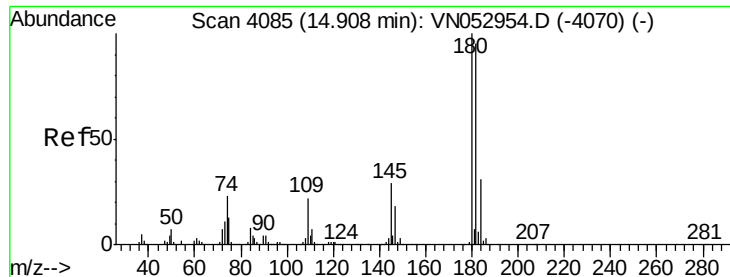


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

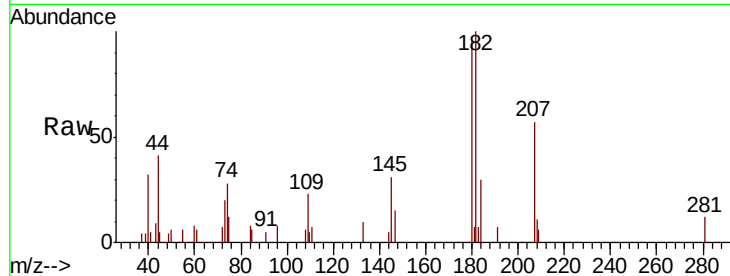




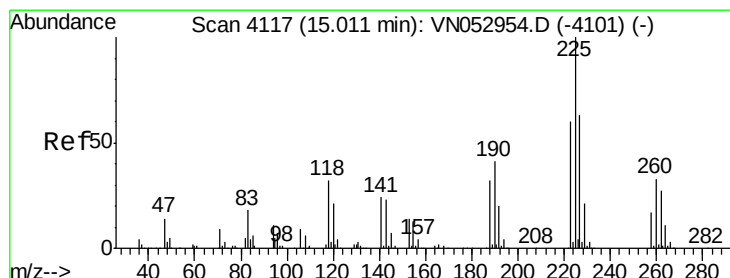
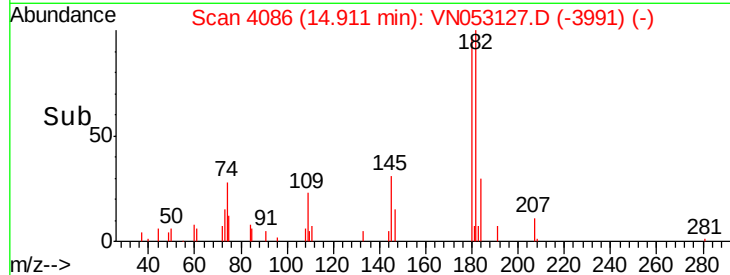
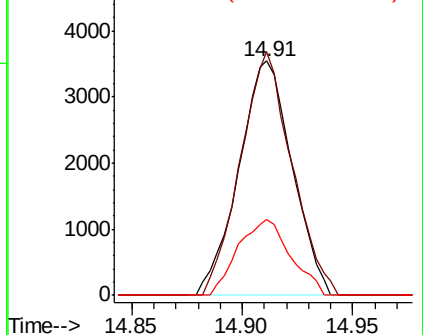
#93
 1,2,4-Trichlorobenzene
 Concen: 1.157 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053127.D
 Acq: 22 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS010-0612-01ME

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.3	47.8	143.3
145	31.7	14.2	42.6

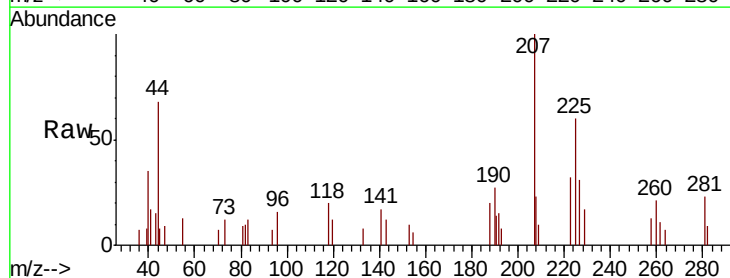


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

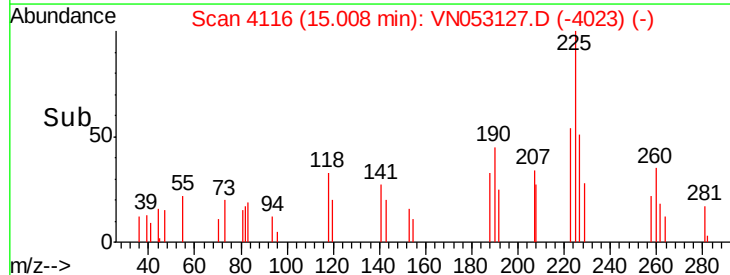
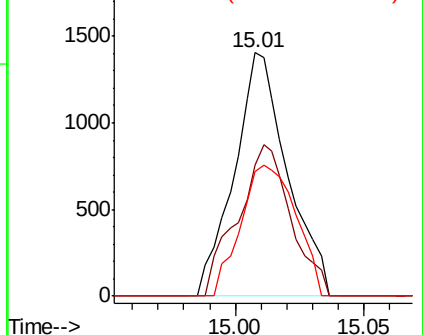


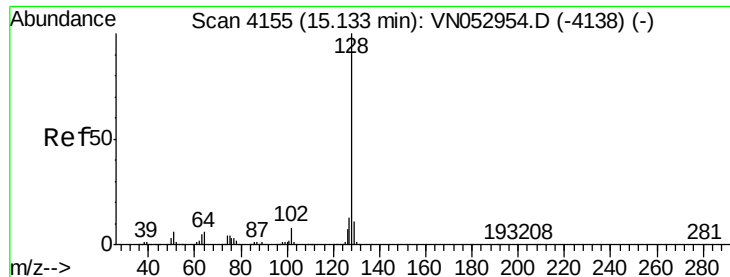
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053127.D
 Acq: 22 Dec 2018 12:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.5	94.5
227	55.9	31.9	95.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 1.943 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053127.D

Acq: 22 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

P001-SS010-0612-01ME

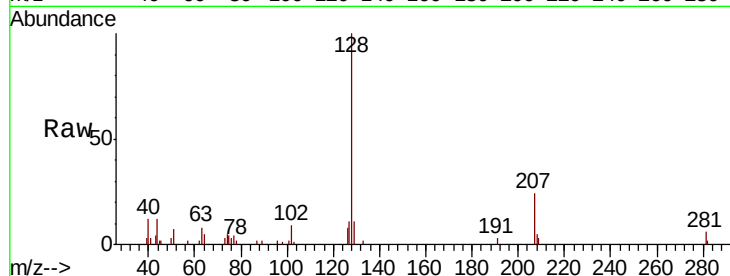
Tot Ion:128 Resp: 18661

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.4

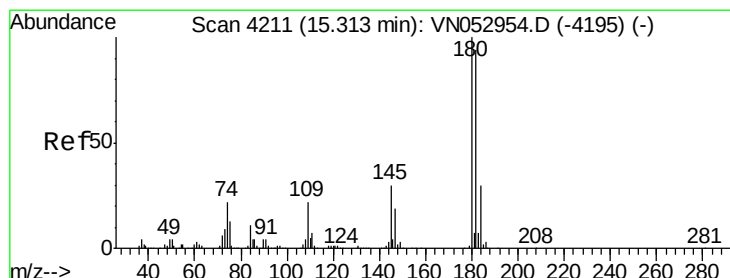
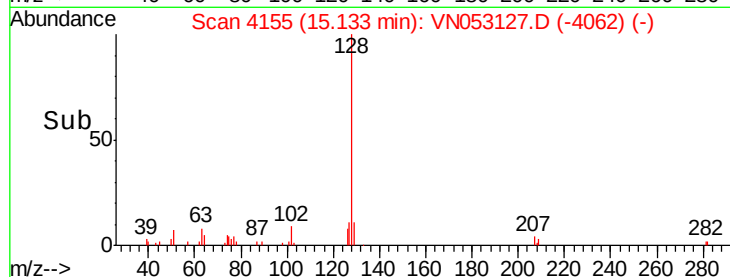
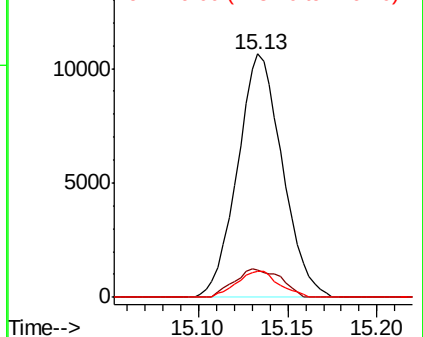
129 10.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.135 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053127.D

Acq: 22 Dec 2018 12:45

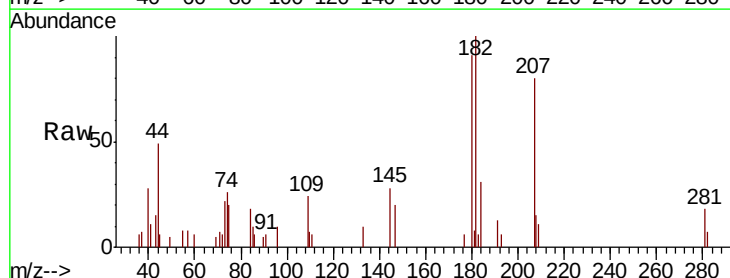
Tgt Ion:180 Resp: 5966

Ion Ratio Lower Upper

180 100

182 93.1 47.9 143.7

145 27.5 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

