

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052518.D
 Acq On : 28 Nov 2018 14:35
 Operator : MD\SY
 Sample : J6084-01 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 MS-SFVP8283LM

Quant Time: Nov 29 00:09:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1560041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2359339	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2072950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	940473	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	768634	45.25	ug/l	0.00
Spiked Amount			Recovery	=	90.50%	
35) Dibromofluoromethane	7.59	113	702941	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
50) Toluene-d8	10.09	98	2859868	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.40	95	963165	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	

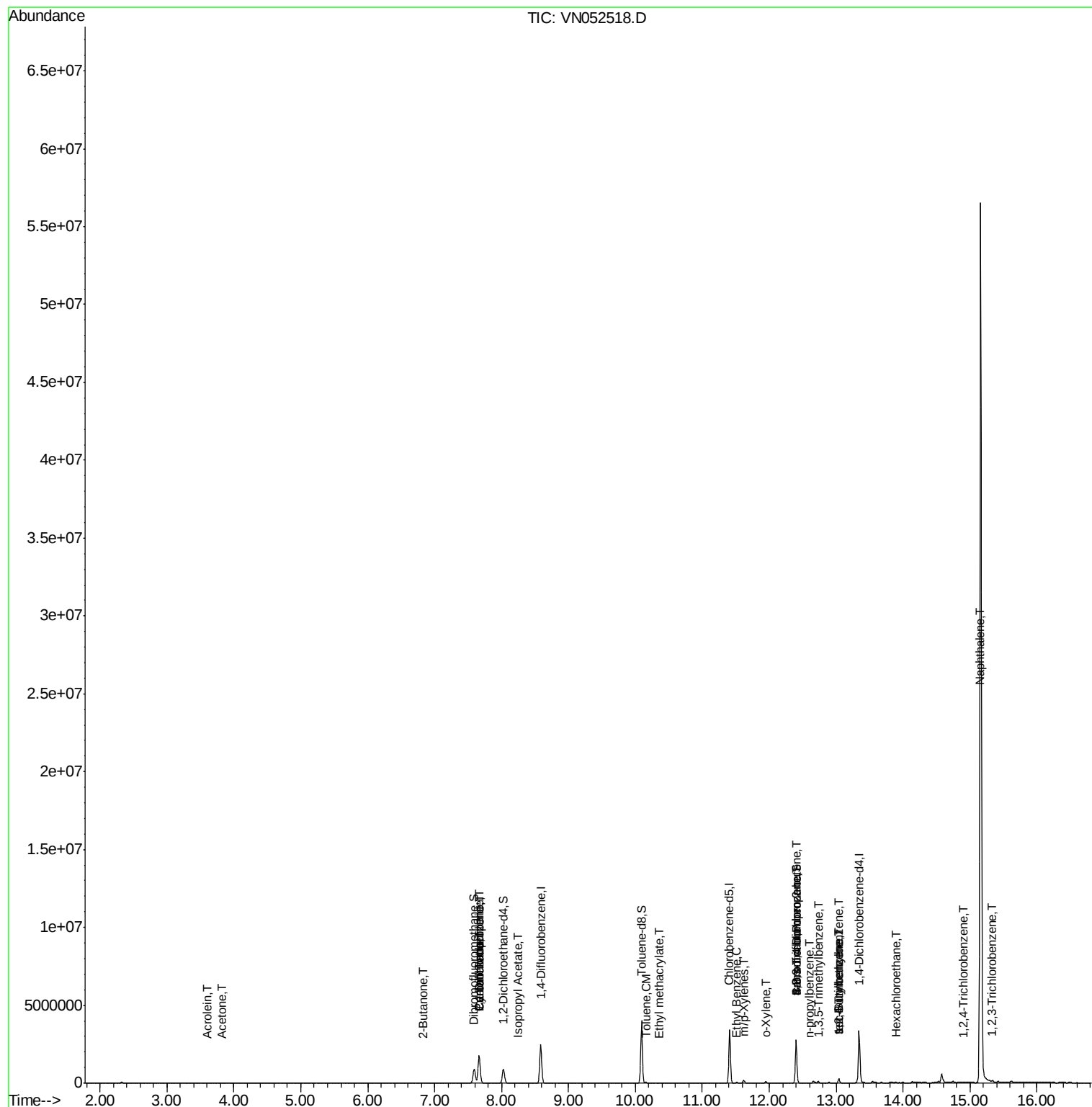
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	248	33.619	ug/l #	14
16) Acetone	3.82	43	4199	0.937	ug/l #	80
25) 2-Butanone	6.84	43	1288	0.203	ug/l #	50
31) Cyclohexane	7.66	56	27291	0.572	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	106519	4.781	ug/l #	49
38) Carbon Tetrachloride	7.66	117	133965	6.642	ug/l #	16
43) Isopropyl Acetate	8.25	43	17819	0.774	ug/l #	51
52) Toluene	10.16	92	14996	0.380	ug/l	94
56) Ethyl methacrylate	10.35	69	66	2.696	ug/l #	14
67) Ethyl Benzene	11.51	91	26820	0.358	ug/l	91
68) m/p-Xylenes	11.62	106	54140	1.943	ug/l	94
69) o-Xylene	11.95	106	25319	0.936	ug/l	95
71) Bromoform	12.40	173	5461	0.555	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	460547	31.756	ug/l #	100
78) n-propylbenzene	12.59	91	18608	0.222	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	37862	0.643	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	460547	106.050	ug/l #	11
83) tert-Butylbenzene	13.04	119	18166	0.346	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.04	105	155956	2.644	ug/l	99
85) sec-Butylbenzene	13.04	105	155956	2.183	ug/l #	57
90) Hexachloroethane	13.89	117	3296	0.320	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.91	180	1527	2.916	ug/l #	30
95) Naphthalene	15.14	128	44010	4.586	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.31	180	2125	2.858	ug/l #	25

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

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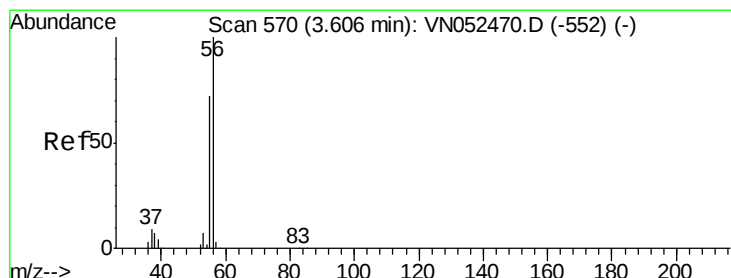
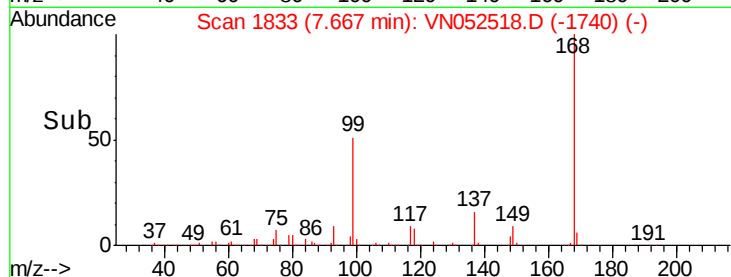
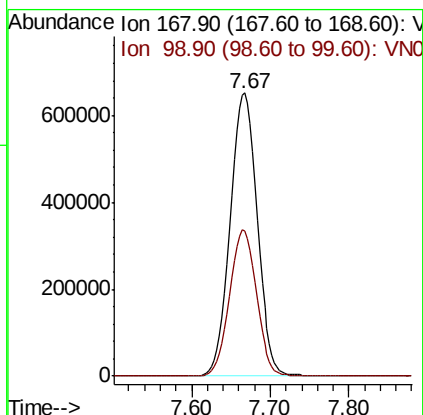
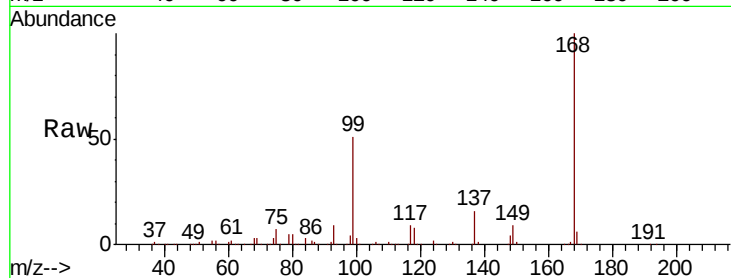


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VN052518.D
Acq: 28 Nov 2018 14:35

Instrument :
MSVOA_N
ClientSampleId :
MS-SFVP8283LM

Tot Ion:168 Resp: 1560041

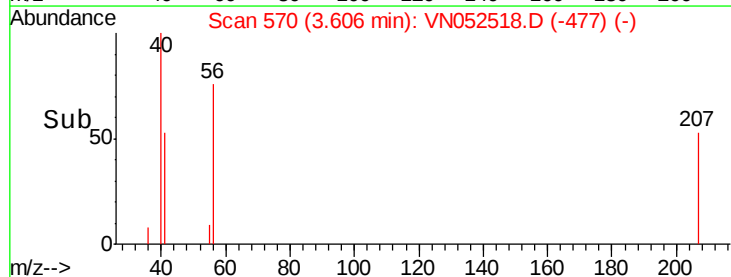
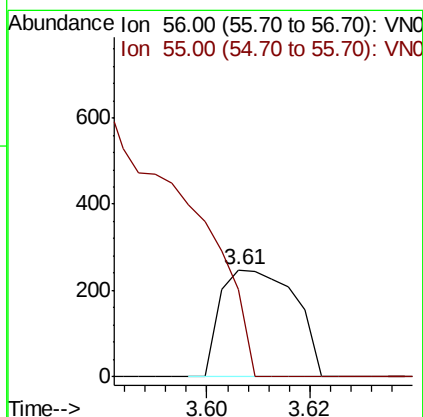
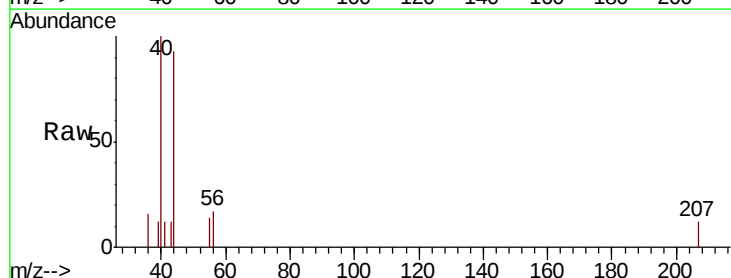
Ion	Ratio	Lower	Upper
168	100		
99	51.1	41.7	62.5

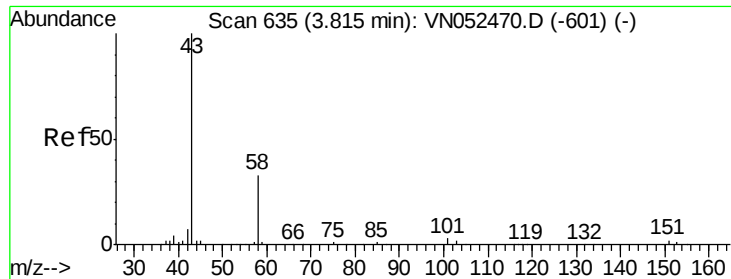


#13
Acrolein
Concen: 33.619 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN052518.D
Acq: 28 Nov 2018 14:35

Tgt Ion: 56 Resp: 248

Ion	Ratio	Lower	Upper
56	100		
55	0.0	56.8	85.2#





#16

Acetone

Concen: 0.937 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052518.D

Acq: 28 Nov 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

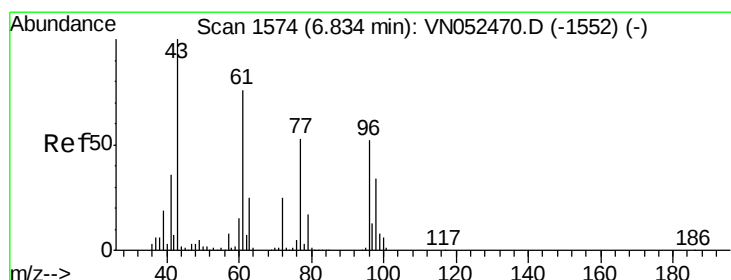
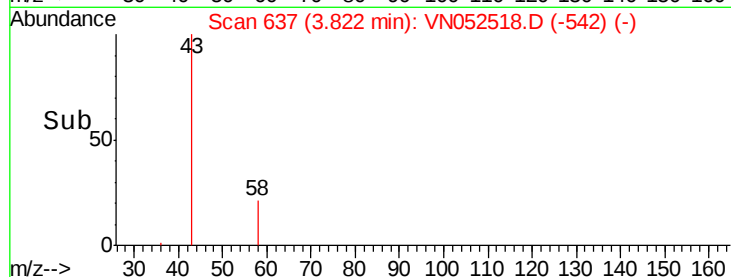
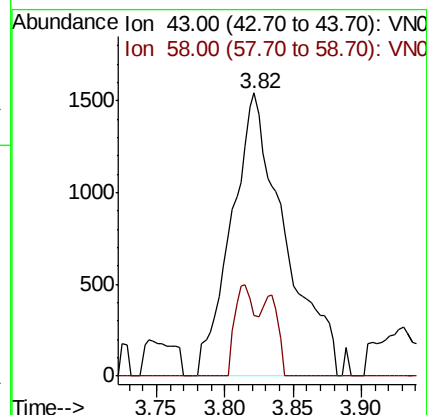
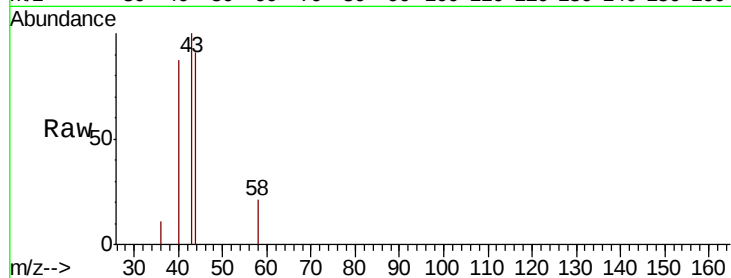
MS-SFVP8283LM

Tot Ion: 43 Resp: 4199

Ion Ratio Lower Upper

43 100

58 21.3 26.0 39.0#



#25

2-Butanone

Concen: 0.203 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN052518.D

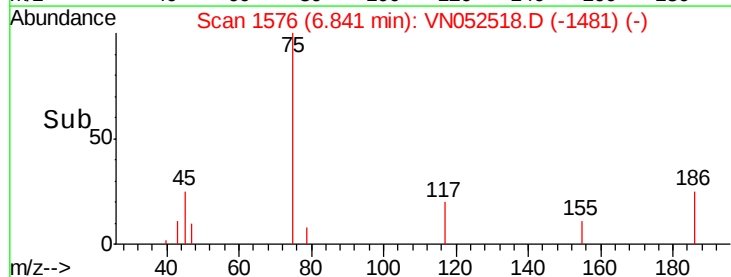
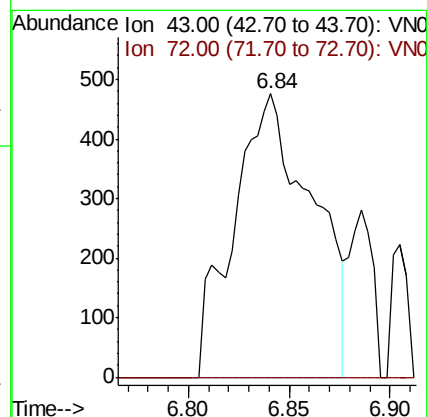
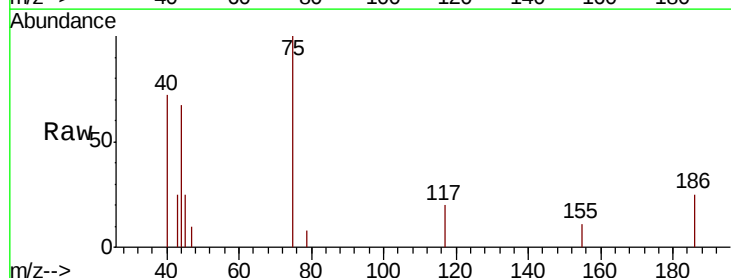
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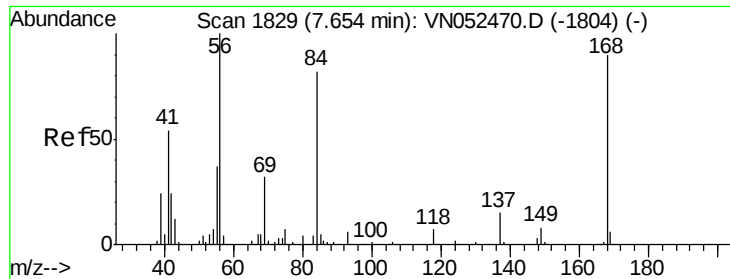
Tgt Ion: 43 Resp: 1288

Ion Ratio Lower Upper

43 100

72 0.0 20.1 30.1#

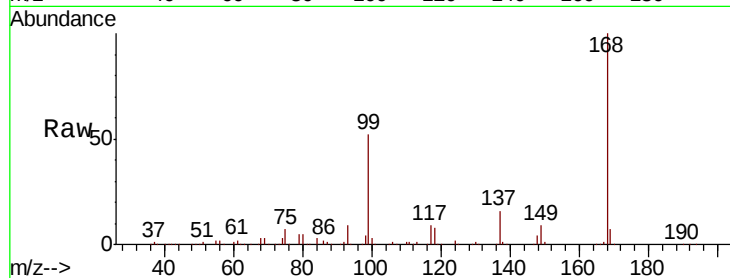




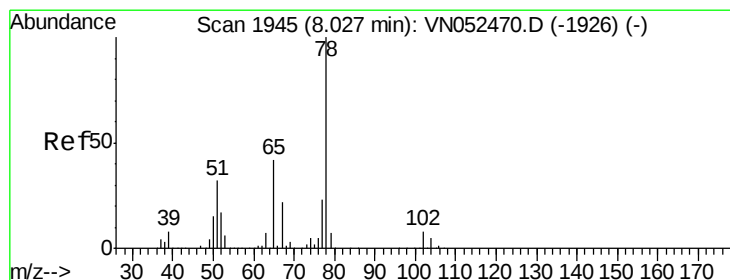
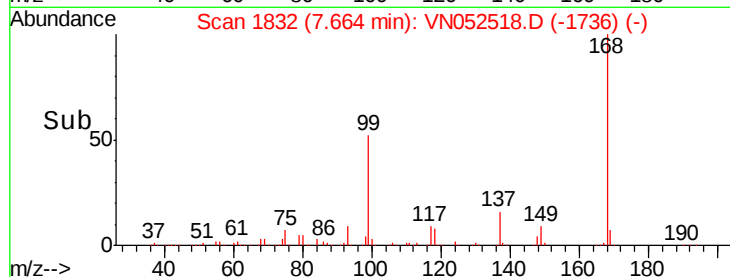
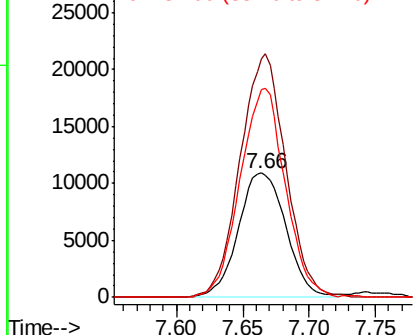
#31
Cyclohexane
Concen: 0.572 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052518.D
Acq: 28 Nov 2018 14:35

Instrument :
MSVOA_N
ClientSampleId :
MS-SFVP8283LM

Tot Ion: 56 Resp: 27291
Ion Ratio Lower Upper
56 100
69 192.7 25.8 38.6#
84 167.3 65.3 97.9#

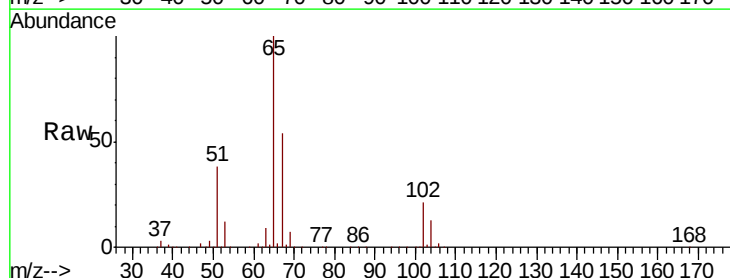


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

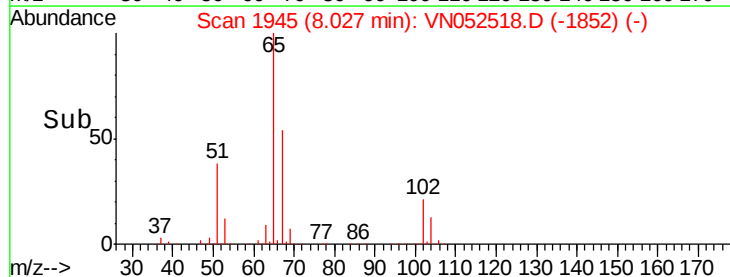
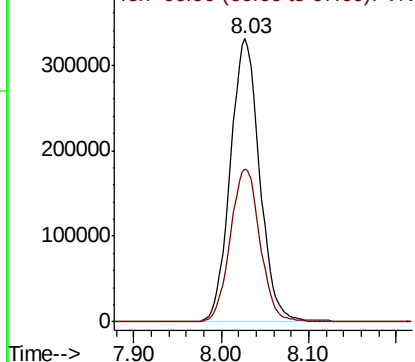


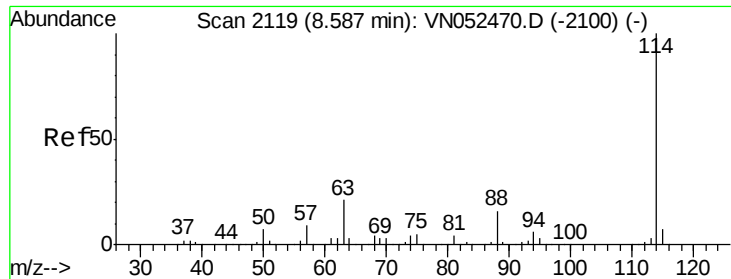
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052518.D
Acq: 28 Nov 2018 14:35

Tgt Ion: 65 Resp: 768634
Ion Ratio Lower Upper
65 100
67 54.8 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

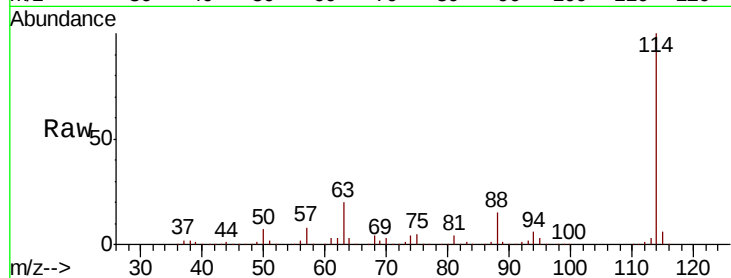




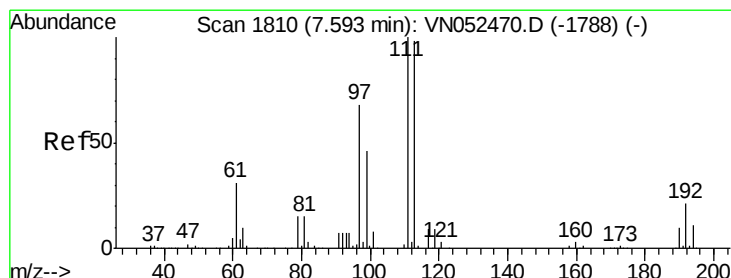
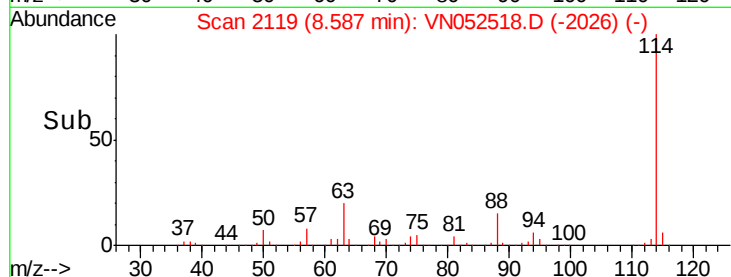
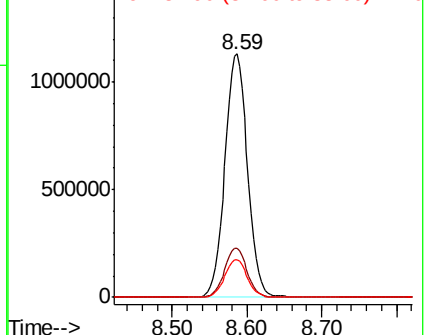
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN052518.D
Acq: 28 Nov 2018 14:35

Instrument :
MSVOA_N
ClientSampleId :
MS-SFVP8283LM

Tot Ion:114 Resp: 2359339
Ion Ratio Lower Upper
114 100
63 20.1 0.0 41.8
88 15.4 0.0 31.6

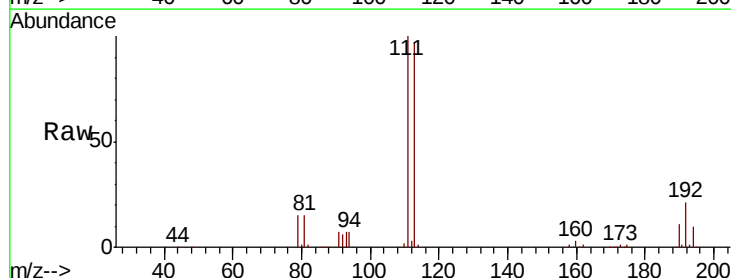


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

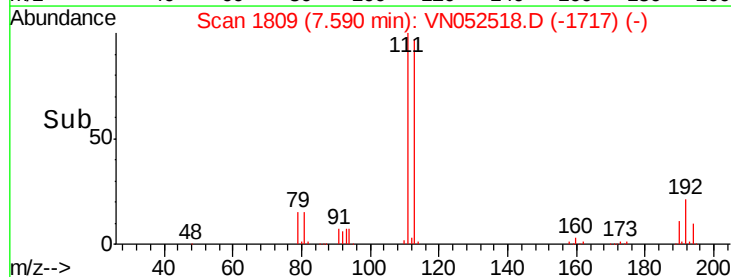
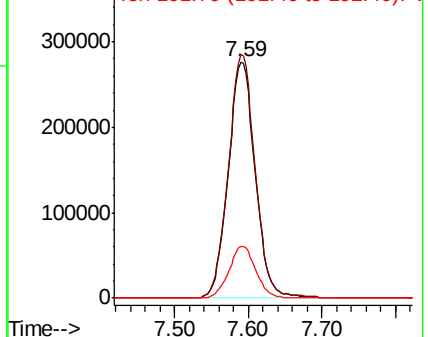


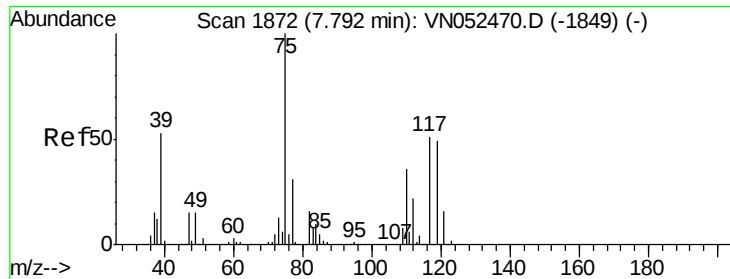
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052518.D
Acq: 28 Nov 2018 14:35

Tgt Ion:113 Resp: 702941
Ion Ratio Lower Upper
113 100
111 102.5 82.0 123.0
192 21.8 17.0 25.6



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

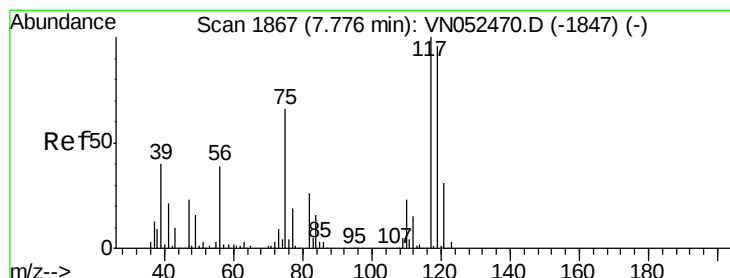
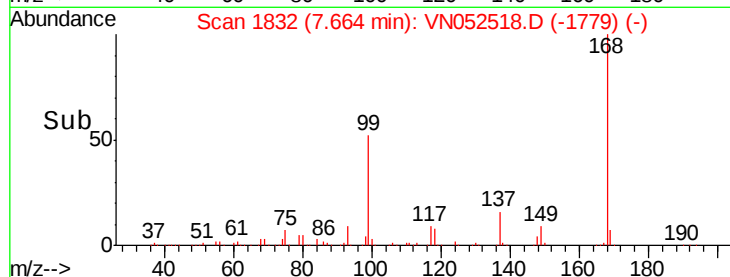
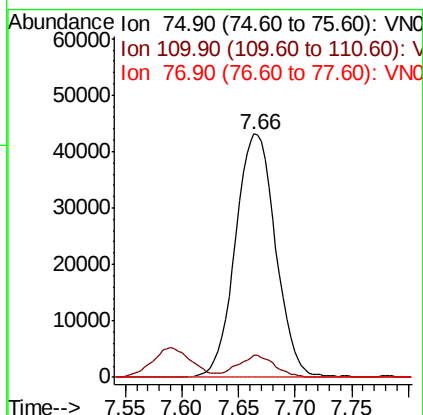
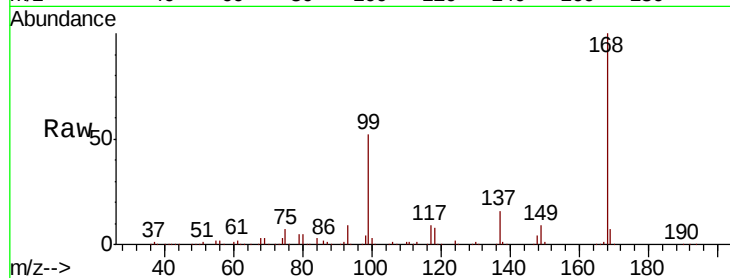




#36
 1,1-Dichloropropene
 Concen: 4.781 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052518.D
 Acq: 28 Nov 2018 14:35

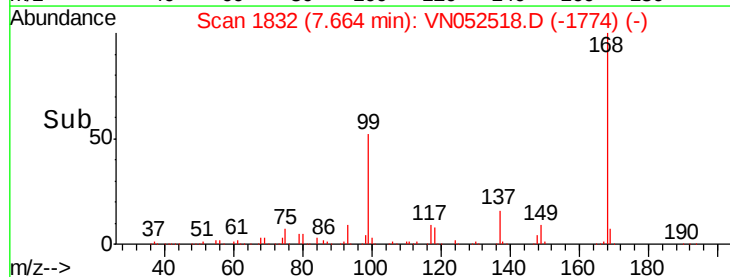
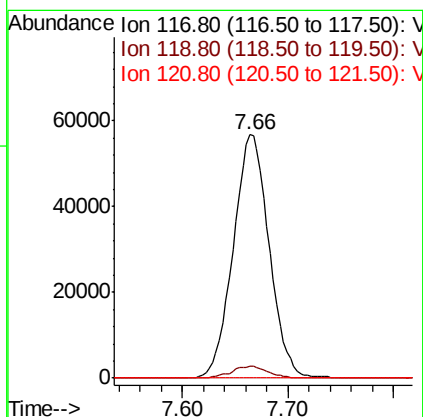
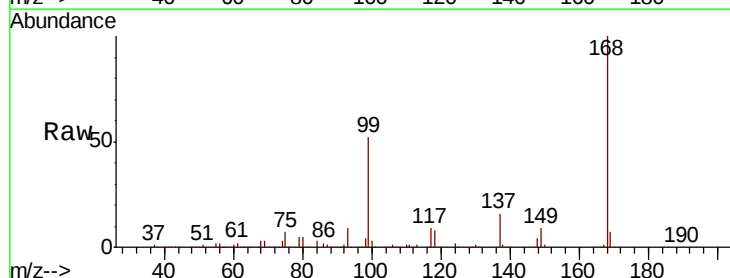
Instrument :
 MSVOA_N
 ClientSampleId :
 MS-SFVP8283LM

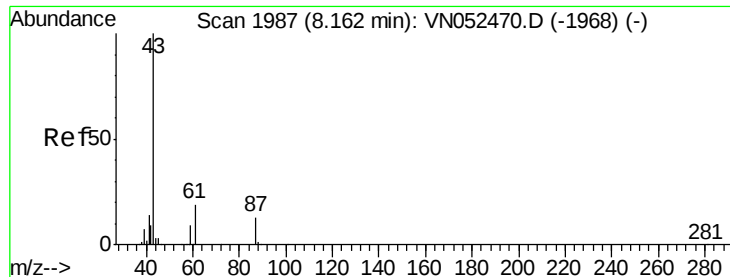
Tot Ion: 75 Resp: 106519
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.5 52.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 6.642 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN052518.D
 Acq: 28 Nov 2018 14:35

Tgt Ion: 117 Resp: 133965
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.8 115.2#
 121 0.0 24.9 37.3#





#43

Isopropyl Acetate

Concen: 0.774 ug/l

RT: 8.25 min Scan# 2015

Delta R.T. 0.09 min

Lab File: VN052518.D

Acq: 28 Nov 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

MS-SFVP8283LM

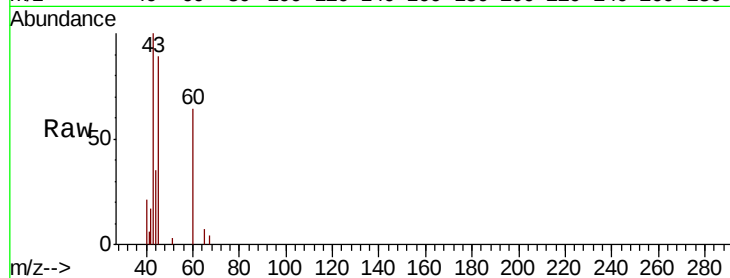
Tot Ion: 43 Resp: 17819

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

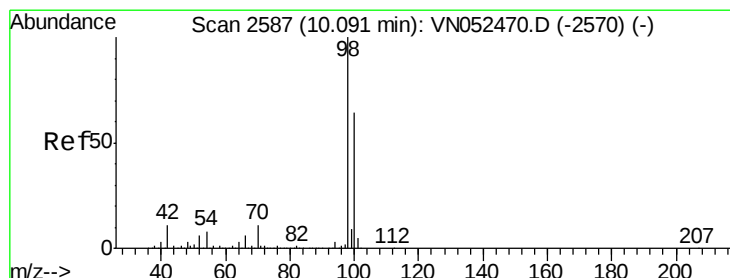
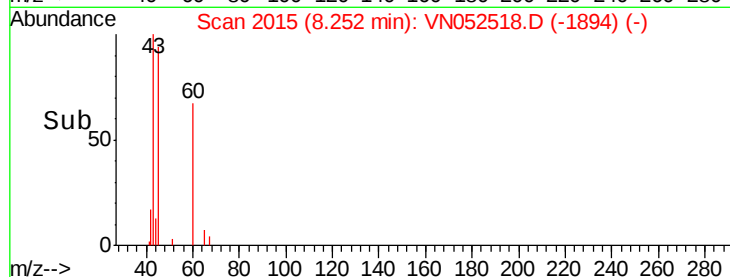
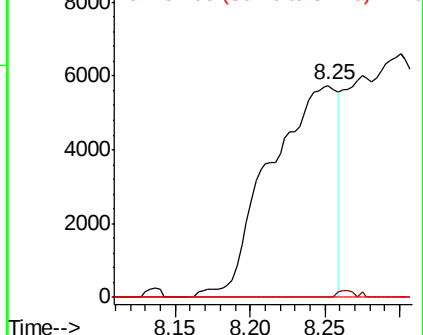
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052518.D

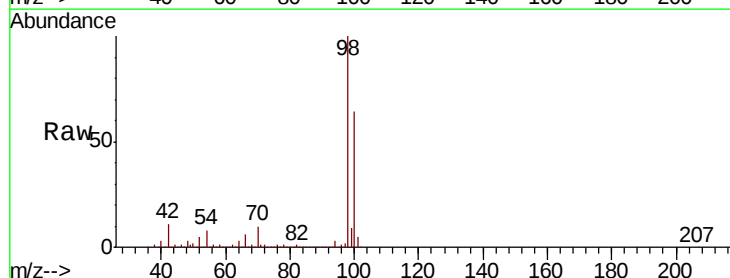
Acq: 28 Nov 2018 14:35

Tgt Ion: 98 Resp: 2859868

Ion Ratio Lower Upper

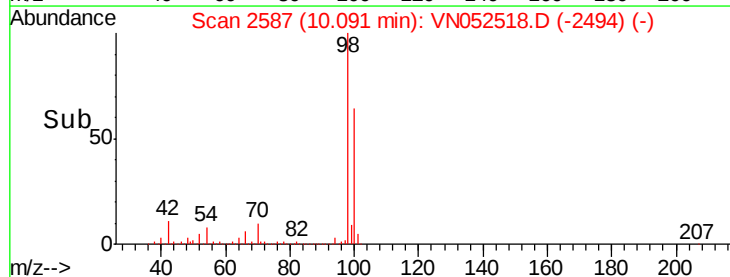
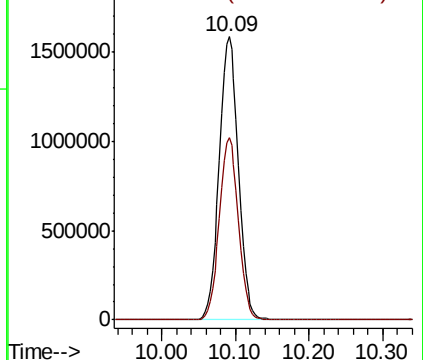
98 100

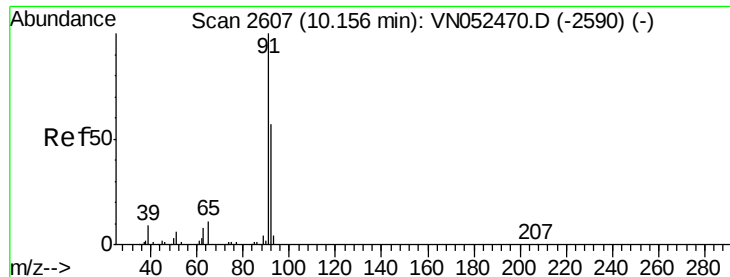
100 64.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 0.380 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052518.D

Acq: 28 Nov 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

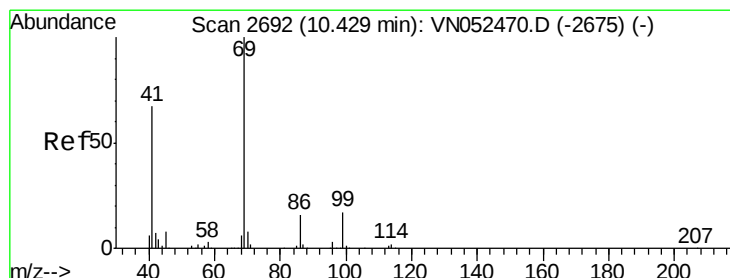
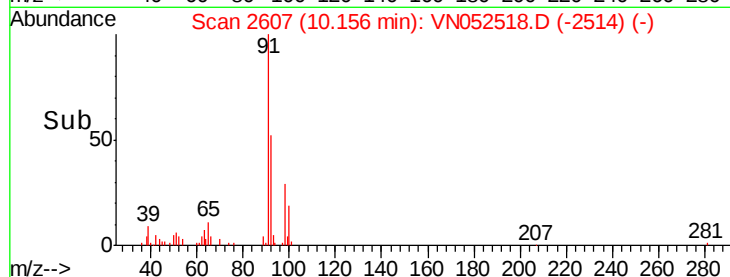
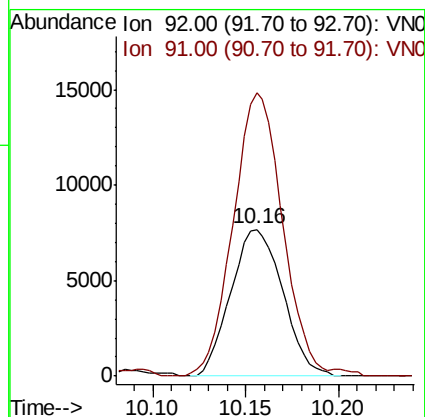
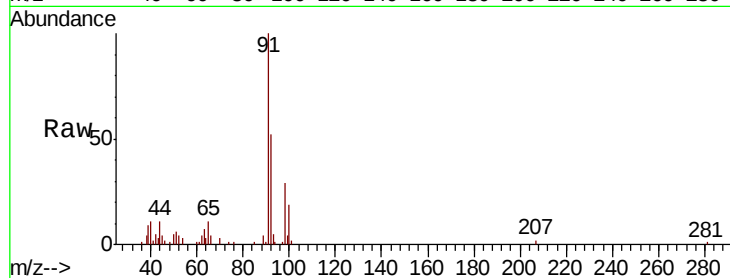
MS-SFVP8283LM

Tot Ion: 92 Resp: 14996

Ion Ratio Lower Upper

92 100

91 184.2 141.0 211.4



#56

Ethyl methacrylate

Concen: 2.696 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.08 min

Lab File: VN052518.D

Acq: 28 Nov 2018 14:35

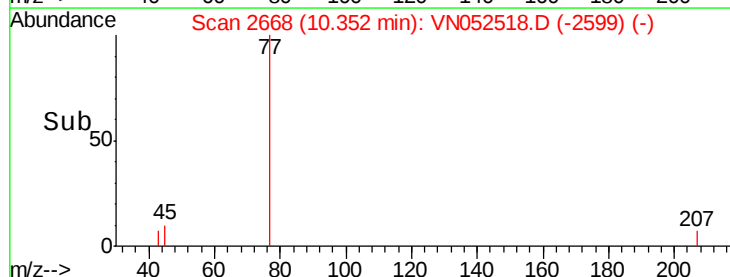
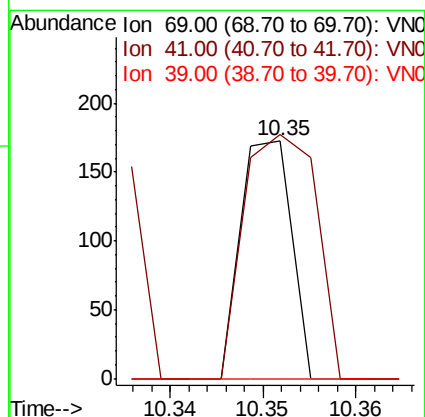
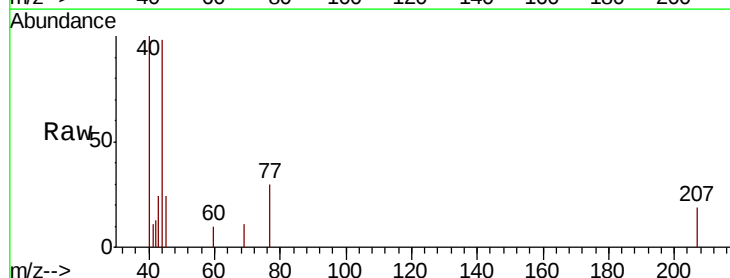
Tgt Ion: 69 Resp: 66

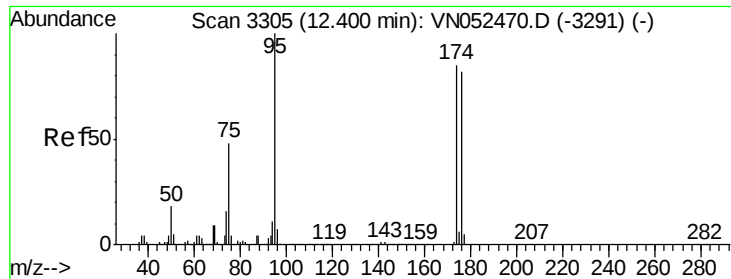
Ion Ratio Lower Upper

69 100

41 145.5 52.6 79.0#

39 0.0 25.9 38.9#

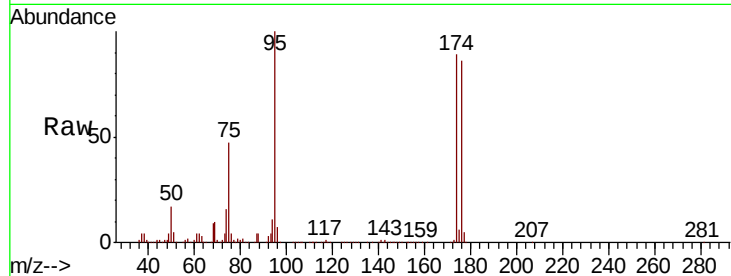




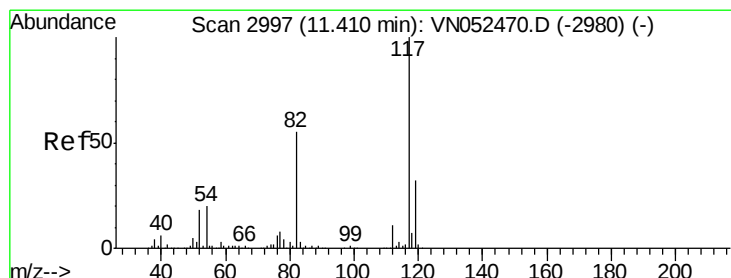
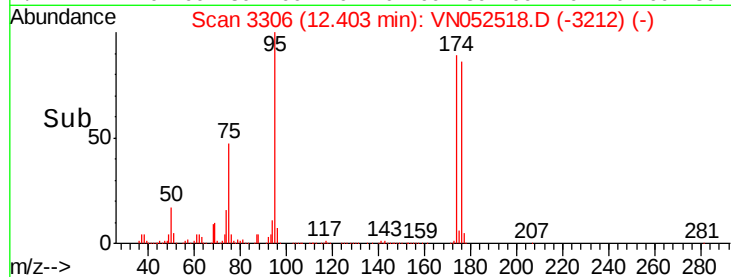
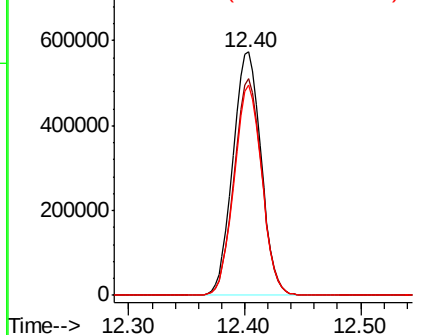
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052518.D
Acq: 28 Nov 2018 14:35

Instrument :
MSVOA_N
ClientSampleId :
MS-SFVP8283LM

Tot Ion: 95 Resp: 963165
Ion Ratio Lower Upper
95 100
174 87.3 0.0 173.0
176 84.9 0.0 166.2

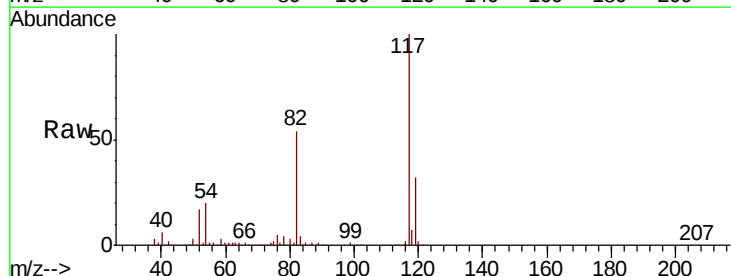


Abundance Ion 94.90 (94.60 to 95.60): VN052470.D (-3291) (-)
Ion 173.80 (173.50 to 174.50): VN052470.D (-3291) (-)
Ion 175.80 (175.50 to 176.50): VN052470.D (-3291) (-)

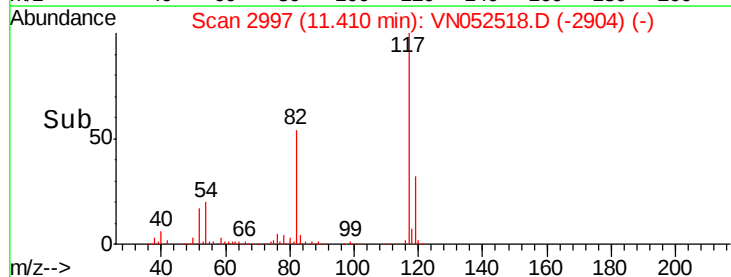
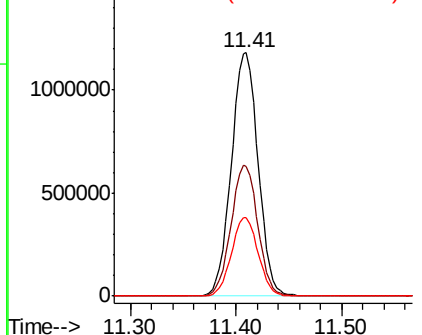


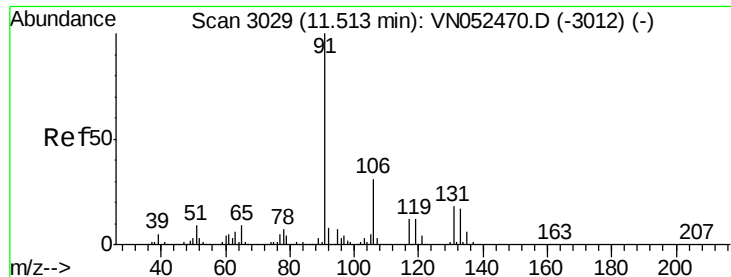
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052518.D
Acq: 28 Nov 2018 14:35

Tgt Ion: 117 Resp: 2072950
Ion Ratio Lower Upper
117 100
82 53.5 43.6 65.4
119 32.3 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN052470.D (-2980) (-)
Ion 82.00 (81.70 to 82.70): VN052470.D (-2980) (-)
Ion 118.90 (118.60 to 119.60): VN052470.D (-2980) (-)





#67

Ethyl Benzene

Concen: 0.358 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052518.D

Acq: 28 Nov 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

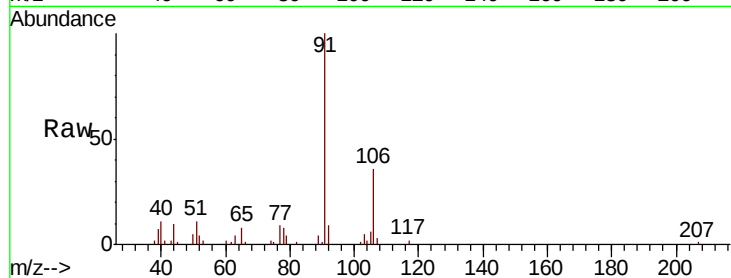
MS-SFVP8283LM

Tot Ion: 91 Resp: 26820

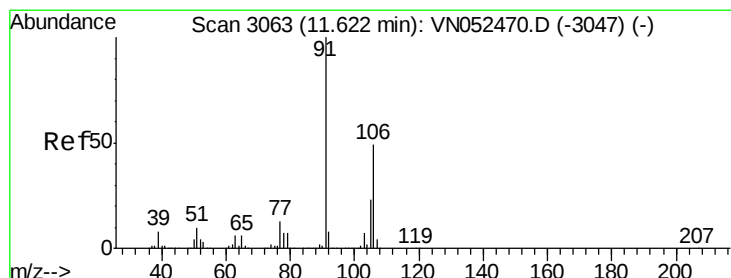
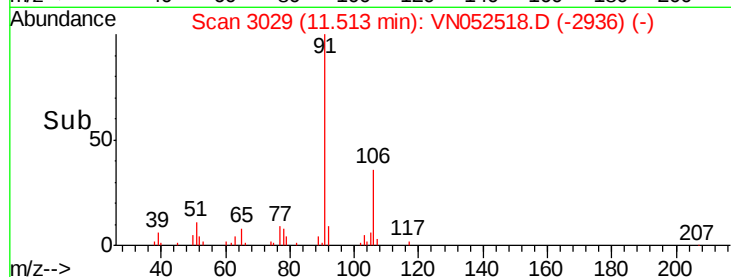
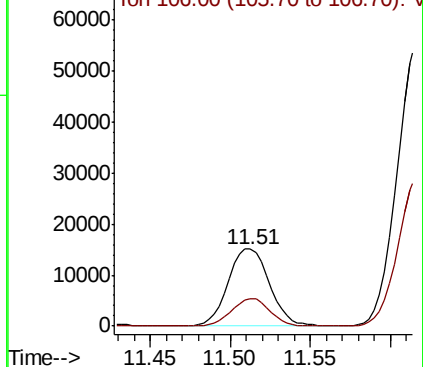
Ion Ratio Lower Upper

91 100

106 36.3 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3012) (-)



#68

m/p-Xylenes

Concen: 1.943 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN052518.D

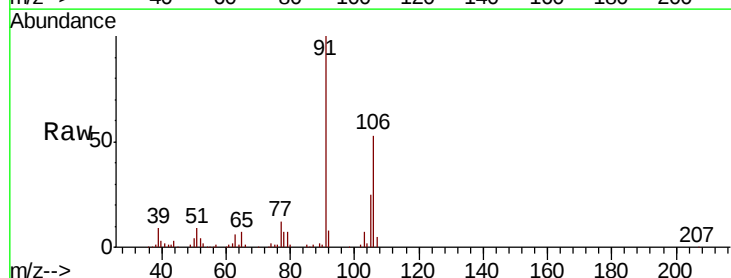
Acq: 28 Nov 2018 14:35

Tgt Ion: 106 Resp: 54140

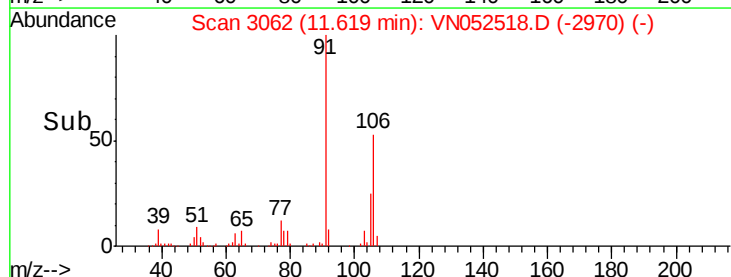
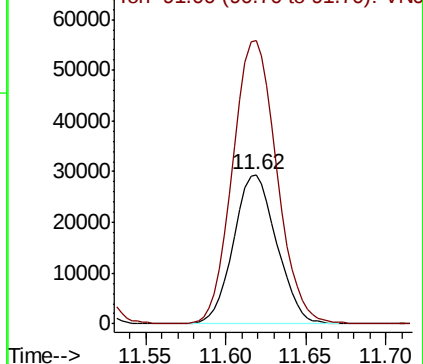
Ion Ratio Lower Upper

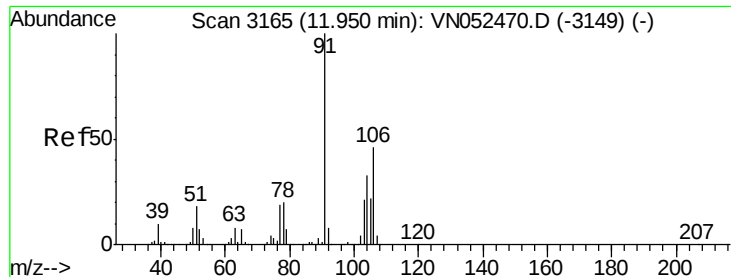
106 100

91 194.3 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): VN052470.D (-3047) (-)

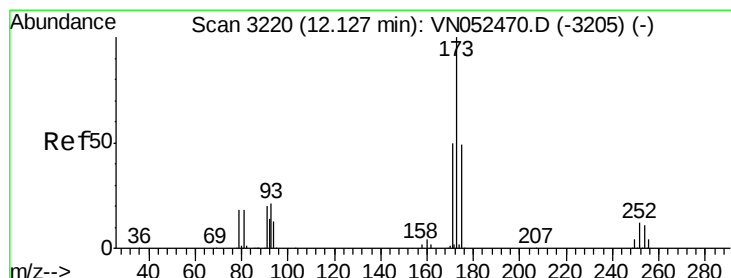
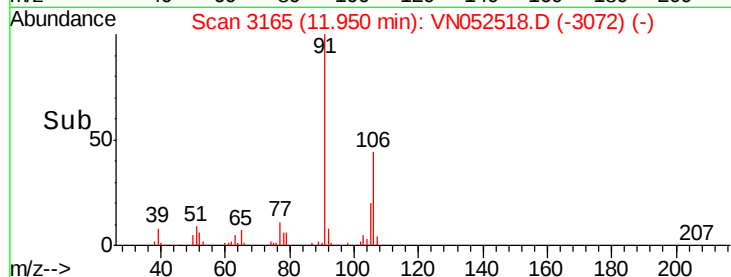
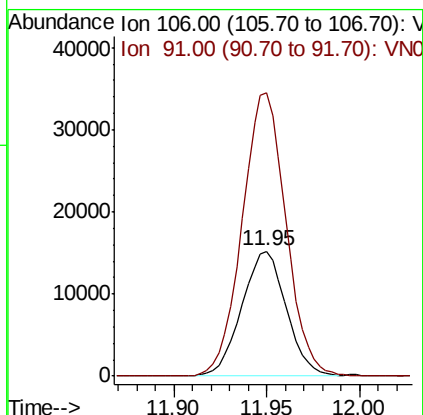
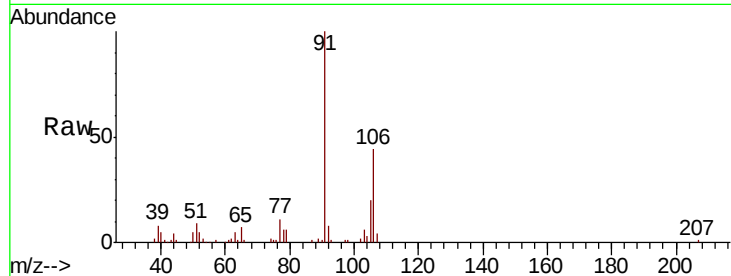




#69
o-Xylene
Concen: 0.936 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052518.D
Acq: 28 Nov 2018 14:35

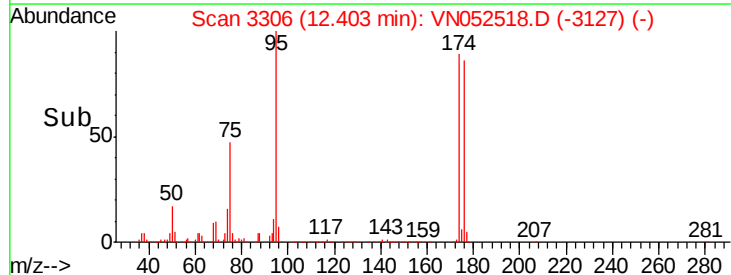
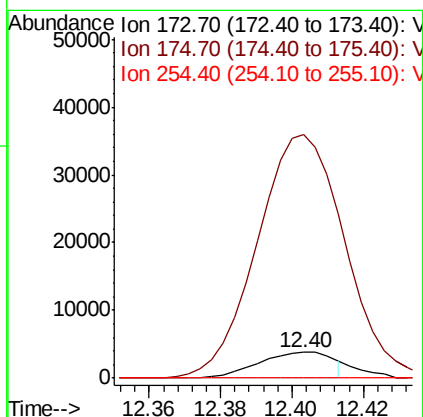
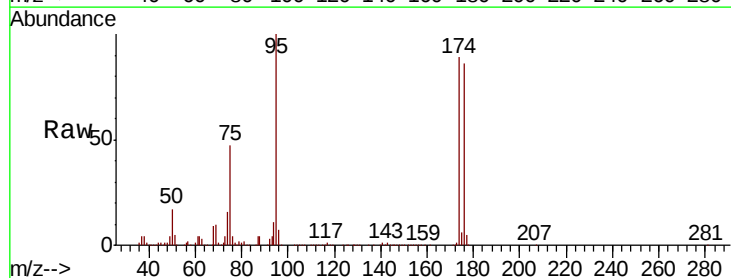
Instrument :
MSVOA_N
ClientSampleId :
MS-SFVP8283LM

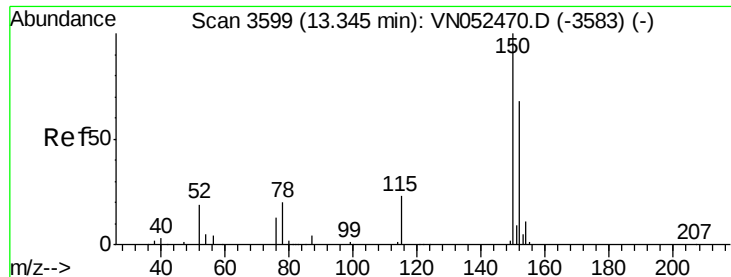
Tot Ion:106 Resp: 25319
Ion Ratio Lower Upper
106 100
91 223.3 107.7 323.1



#71
Bromoform
Concen: 0.555 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052518.D
Acq: 28 Nov 2018 14:35

Tgt Ion:173 Resp: 5461
Ion Ratio Lower Upper
173 100
175 961.8 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052518.D

Acq: 28 Nov 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

MS-SFVP8283LM

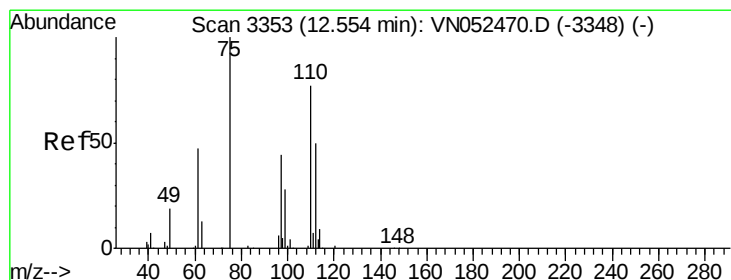
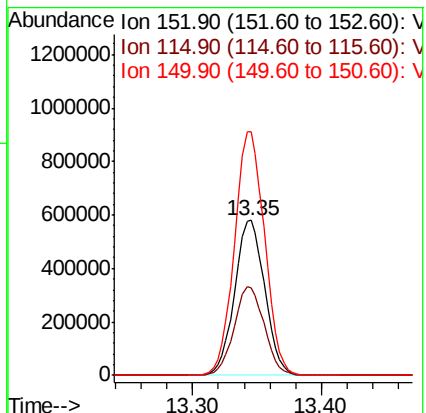
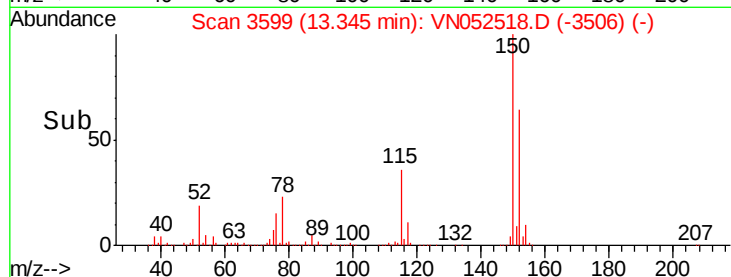
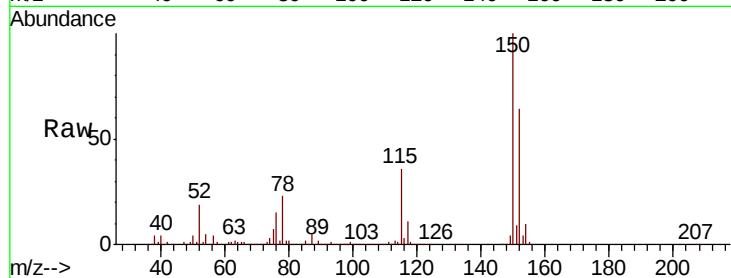
Tot Ion:152 Resp: 940473

Ion Ratio Lower Upper

152 100

115 57.2 28.4 85.2

150 157.4 0.0 346.0



#76

1,2,3-Trichloropropane

Concen: 31.756 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052518.D

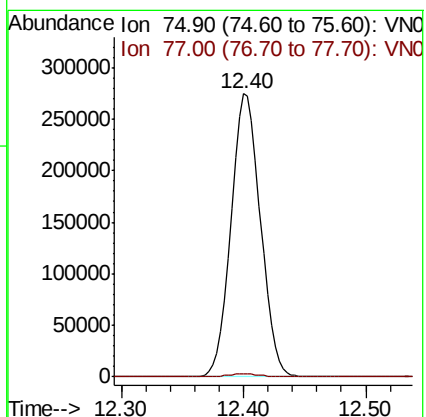
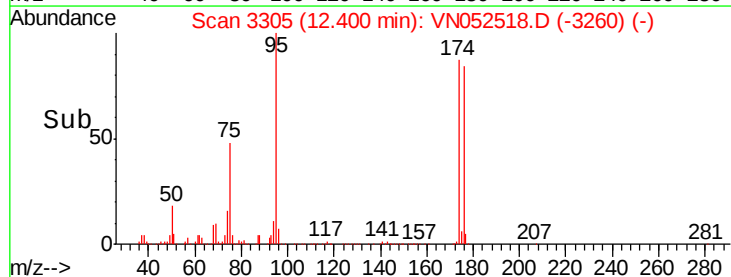
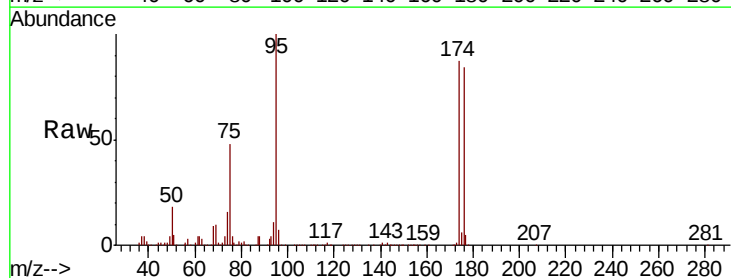
Acq: 28 Nov 2018 14:35

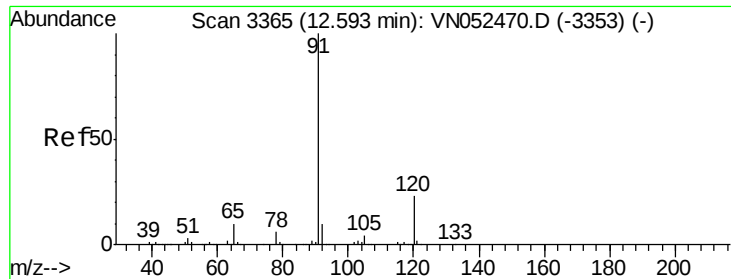
Tgt Ion: 75 Resp: 460547

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#78

n-propylbenzene

Concen: 0.222 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052518.D

Acq: 28 Nov 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

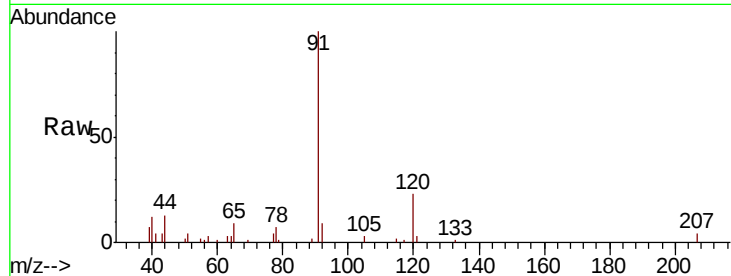
MS-SFVP8283LM

Tot Ion: 91 Resp: 18608

Ion Ratio Lower Upper

91 100

120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN052518.D (-3353) (-)

Ion 120.00 (119.70 to 120.70): VN052518.D (-3353) (-)

15000

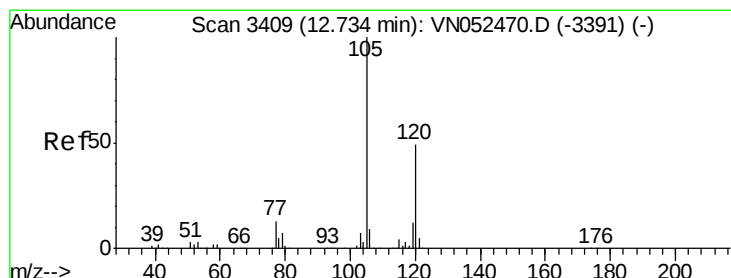
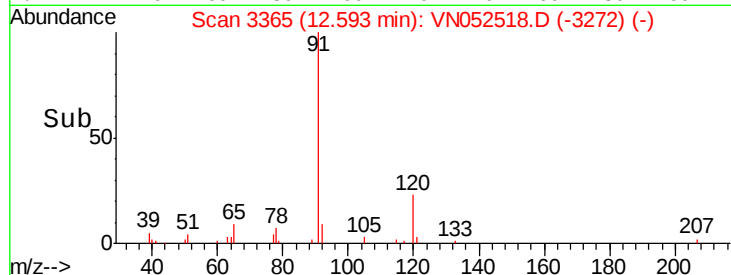
10000

5000

0

12.55 12.60

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.643 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052518.D

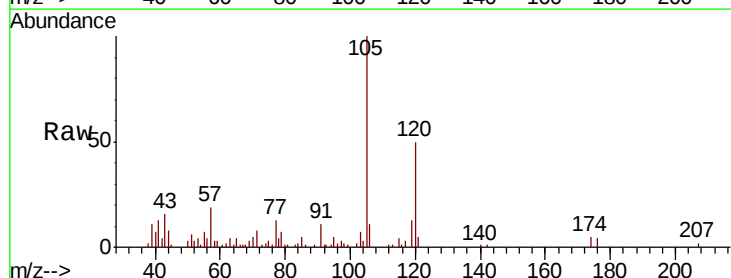
Acq: 28 Nov 2018 14:35

Tgt Ion: 105 Resp: 37862

Ion Ratio Lower Upper

105 100

120 50.8 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052518.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052518.D (-3391) (-)

25000

20000

15000

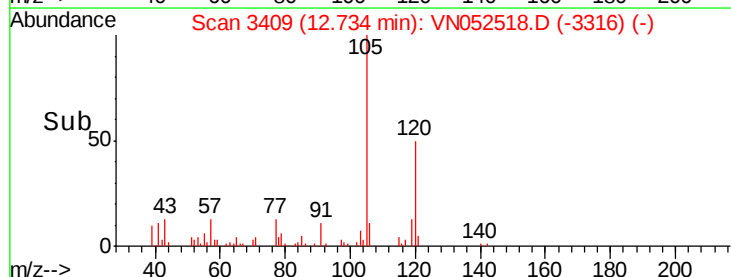
10000

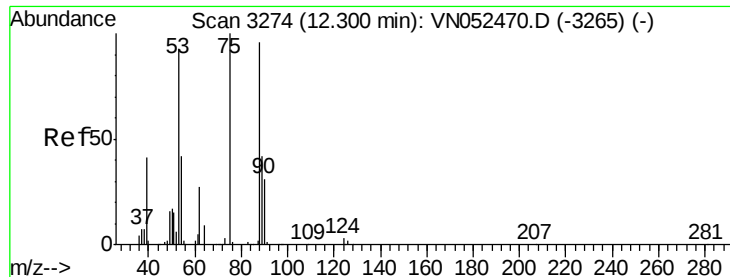
5000

0

12.70 12.75

Time-->

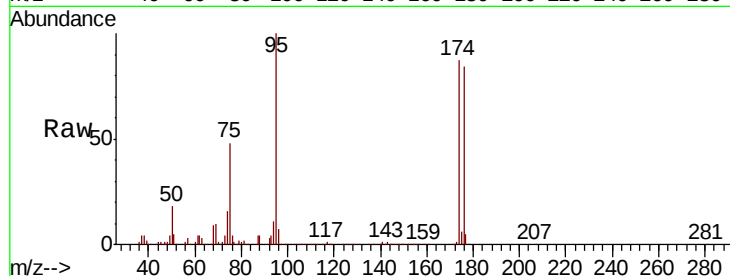




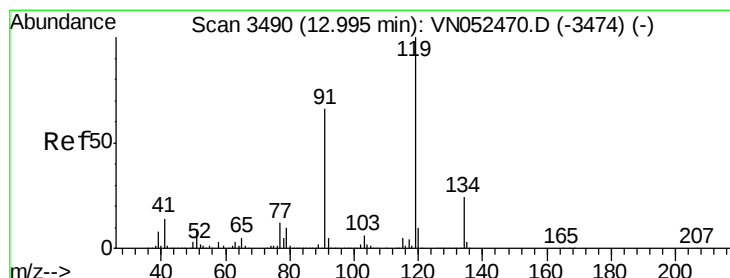
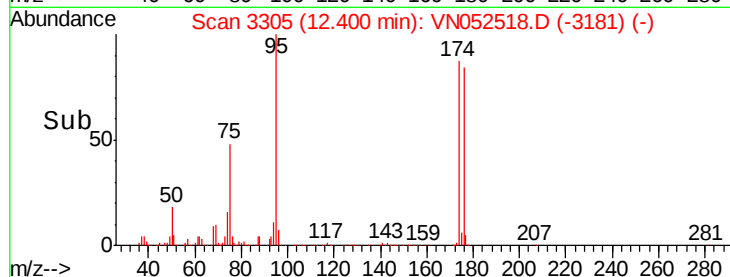
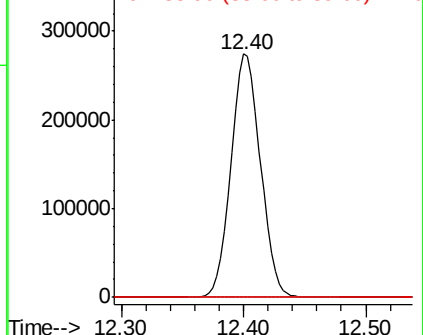
#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.050 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052518.D
 Acq: 28 Nov 2018 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 MS-SFVP8283LM

Tot Ion: 75 Resp: 460547
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.4 116.0#
 89 0.0 35.4 53.2#

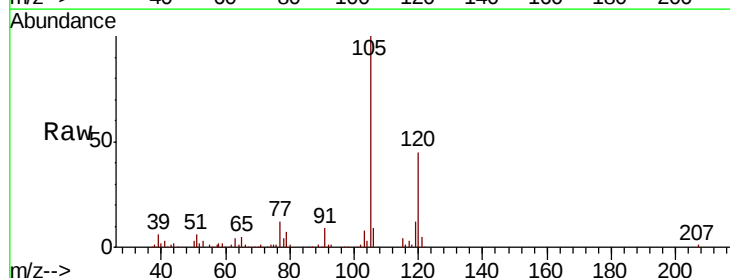


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 53.00 (52.70 to 53.70): VN0
 Ion 88.90 (88.60 to 89.60): VN0

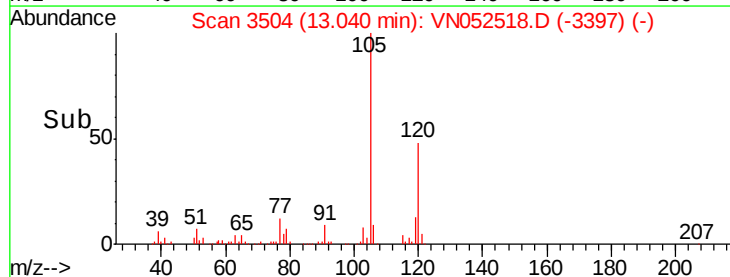
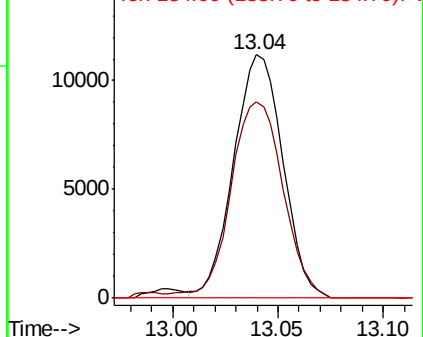


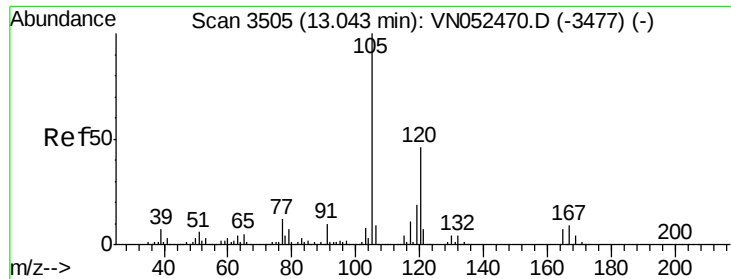
#83
 tert-Butylbenzene
 Concen: 0.346 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.05 min
 Lab File: VN052518.D
 Acq: 28 Nov 2018 14:35

Tgt Ion: 119 Resp: 18166
 Ion Ratio Lower Upper
 119 100
 91 85.5 32.3 96.9
 134 0.0 13.0 38.9#



Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN0
 Ion 134.00 (133.70 to 134.70): V

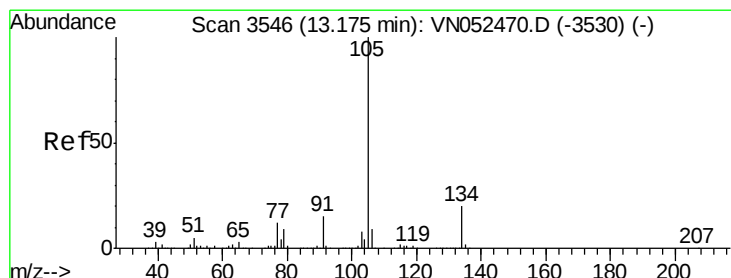
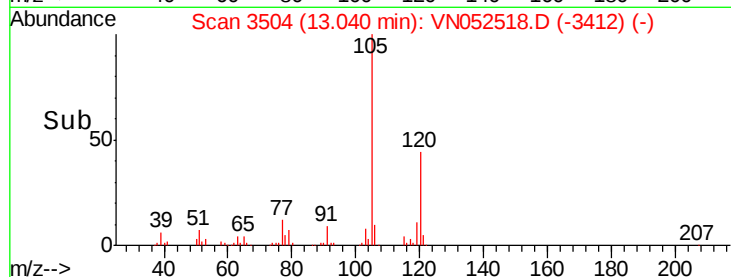
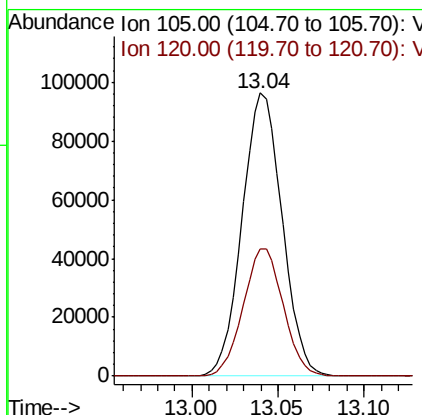
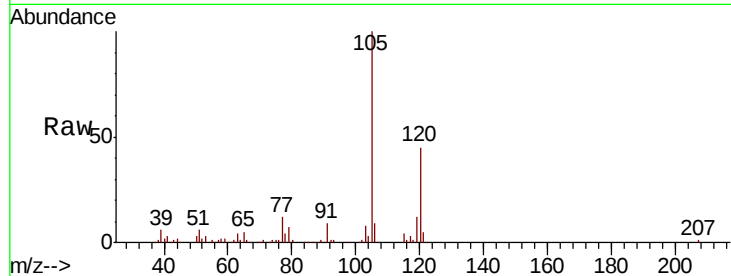




#84
 1,2,4-Trimethylbenzene
 Concen: 2.644 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052518.D
 Acq: 28 Nov 2018 14:35

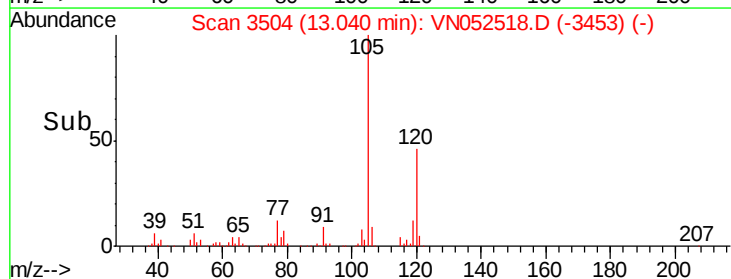
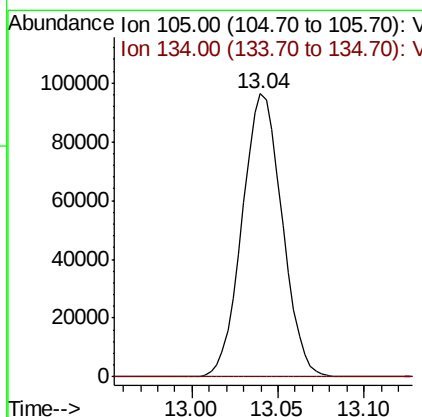
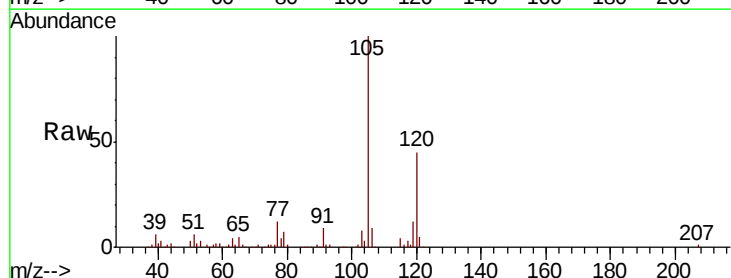
Instrument :
 MSVOA_N
 ClientSampleId :
 MS-SFVP8283LM

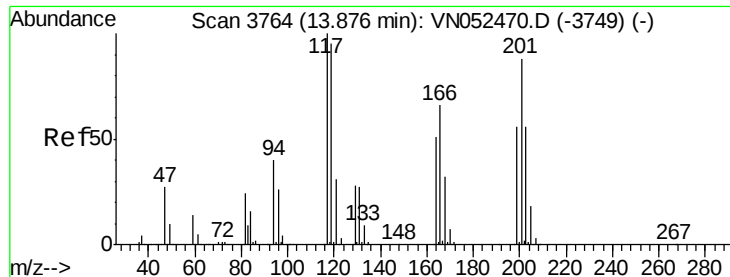
Tot Ion:105 Resp: 155956
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.8 68.4



#85
 sec-Butylbenzene
 Concen: 2.183 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.14 min
 Lab File: VN052518.D
 Acq: 28 Nov 2018 14:35

Tgt Ion:105 Resp: 155956
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.9 29.7#





#90

Hexachloroethane

Concen: 0.320 ug/l

RT: 13.89 min Scan# 3769

Delta R.T. 0.02 min

Lab File: VN052518.D

Acq: 28 Nov 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

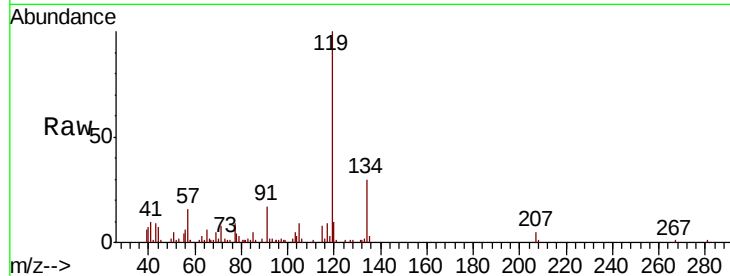
MS-SFVP8283LM

Tot Ion:117 Resp: 3296

Ion Ratio Lower Upper

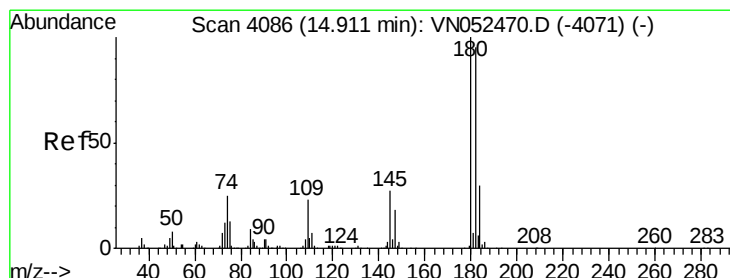
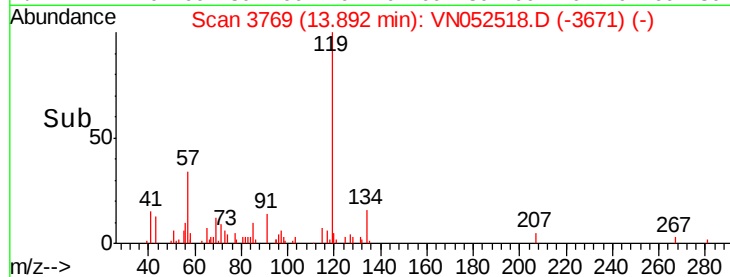
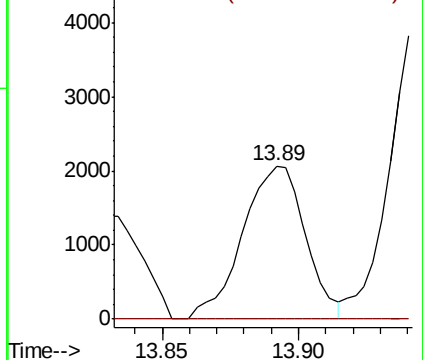
117 100

201 0.0 43.6 130.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 2.916 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052518.D

Acq: 28 Nov 2018 14:35

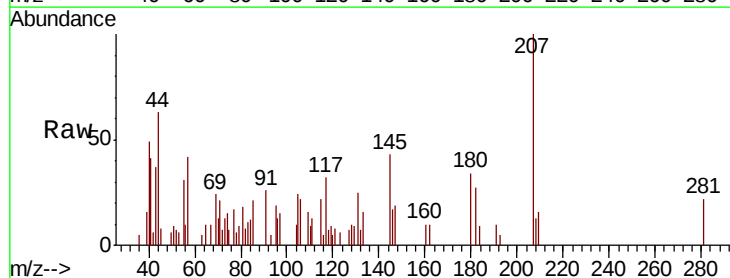
Tgt Ion:180 Resp: 1527

Ion Ratio Lower Upper

180 100

182 102.6 47.8 143.4

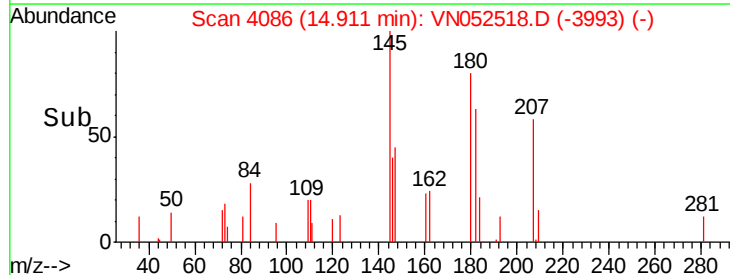
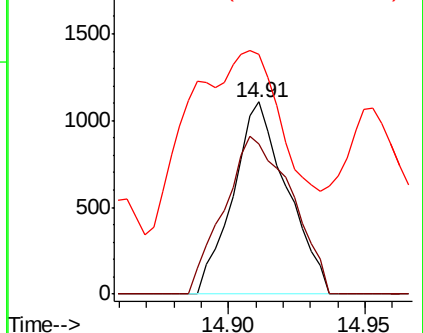
145 177.9 14.1 42.3#

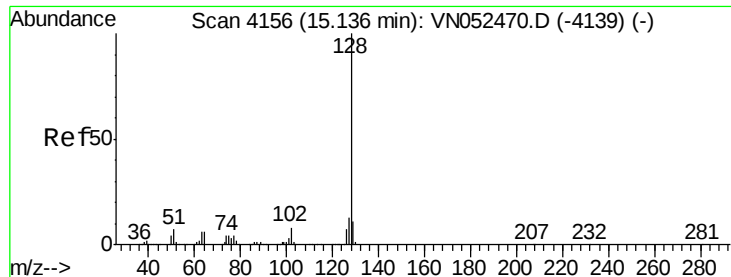


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 4.586 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052518.D

Acq: 28 Nov 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

MS-SFVP8283LM

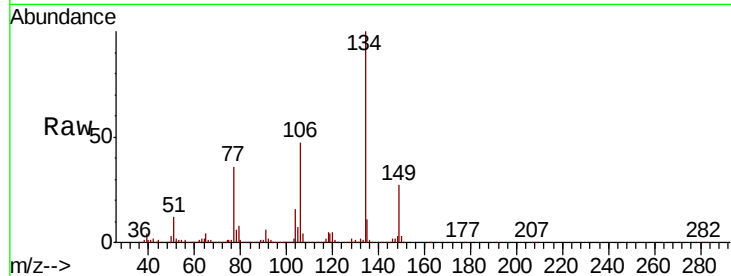
Tot Ion:128 Resp: 44010

Ion Ratio Lower Upper

128 100

127 10.7 10.2 15.2

129 0.0 8.7 13.1#

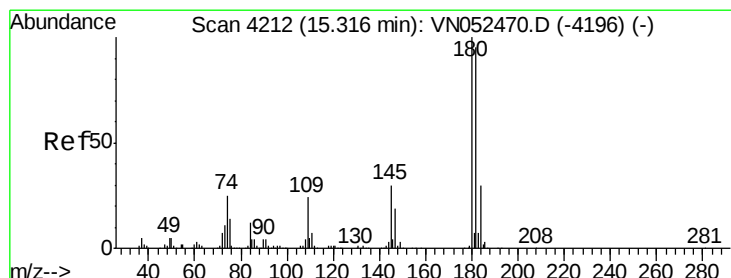
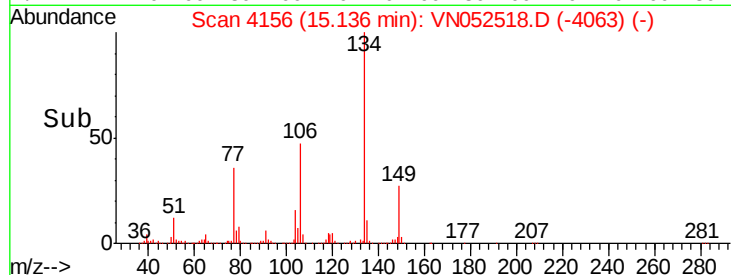
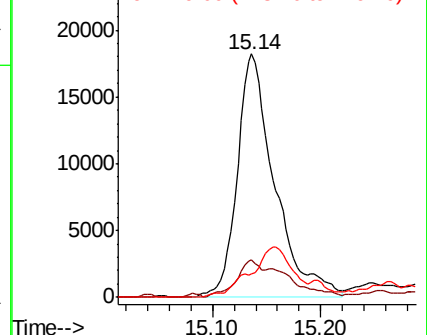


Abundance

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: 2.858 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052518.D

Acq: 28 Nov 2018 14:35

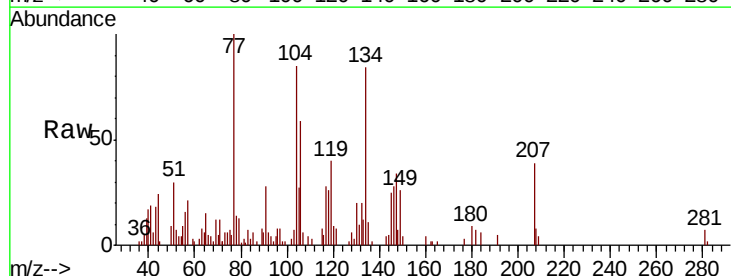
Tgt Ion:180 Resp: 2125

Ion Ratio Lower Upper

180 100

182 72.7 47.8 143.3

145 160.1 15.2 45.5#



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

