

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052509.D
 Acq On : 28 Nov 2018 10:29
 Operator : MD\SY
 Sample : J6084-01 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 MS-SFVP8283LM

Quant Time: Nov 29 00:07:16 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	1260781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1933588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1649258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	647178	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	659364	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
35) Dibromofluoromethane	7.59	113	590945	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
50) Toluene-d8	10.09	98	2328705	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.40	95	723599	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	

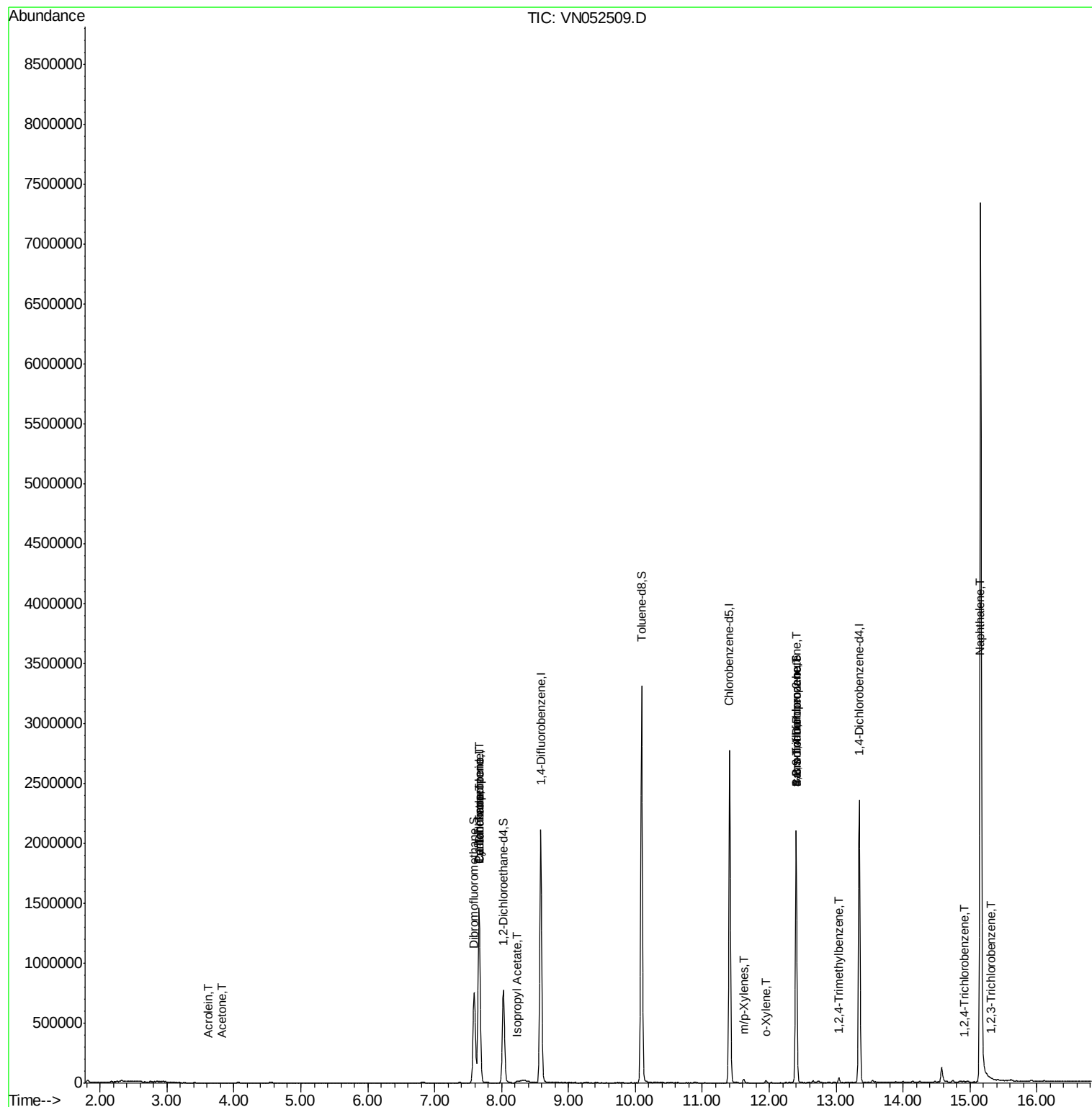
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	148	33.581	ug/l #	77
16) Acetone	3.82	43	1298	0.358	ug/l	97
31) Cyclohexane	7.66	56	22460	0.589	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	86691	4.748	ug/l #	50
38) Carbon Tetrachloride	7.66	117	111976	6.774	ug/l #	16
43) Isopropyl Acetate	8.23	43	8108	0.430	ug/l #	51
68) m/p-Xylenes	11.62	106	9512	0.429	ug/l	98
69) o-Xylene	11.95	106	4690	0.218	ug/l	99
71) Bromoform	12.40	173	4348	0.555	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	351404	35.211	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	351404	117.589	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	23099	0.569	ug/l	98
93) 1,2,4-Trichlorobenzene	14.92	180	728	2.889	ug/l #	69
95) Naphthalene	15.14	128	7085	3.699	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	1066	2.822	ug/l #	77

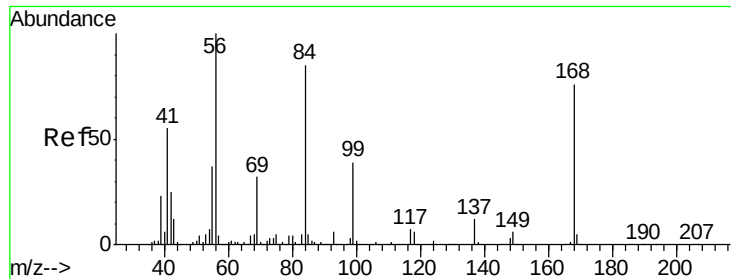
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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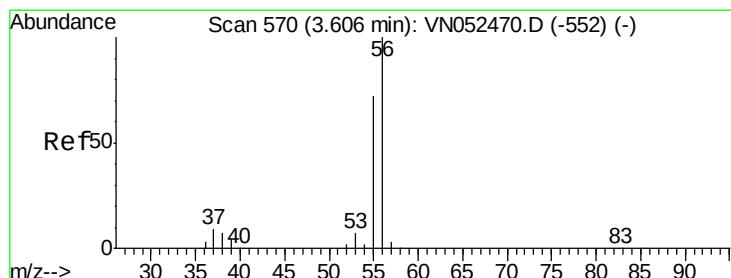
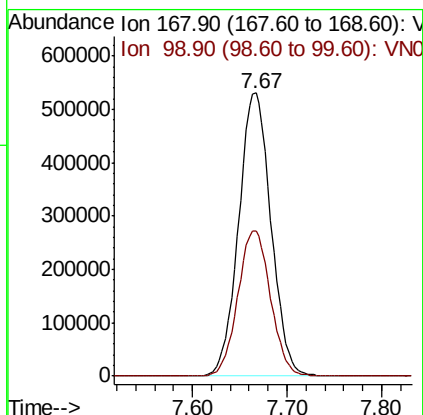
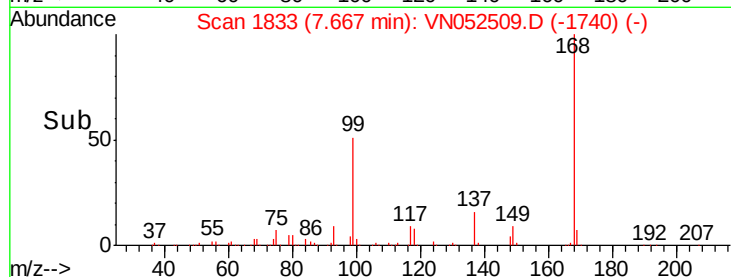
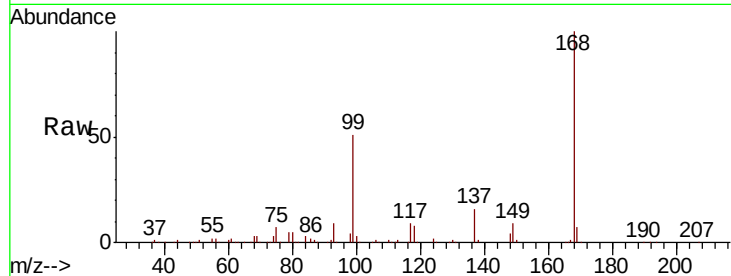




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VN052509.D
 Acq: 28 Nov 2018 10:29

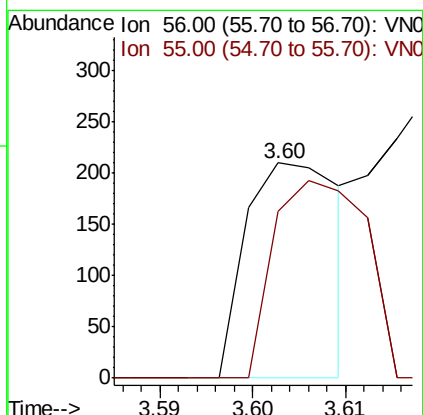
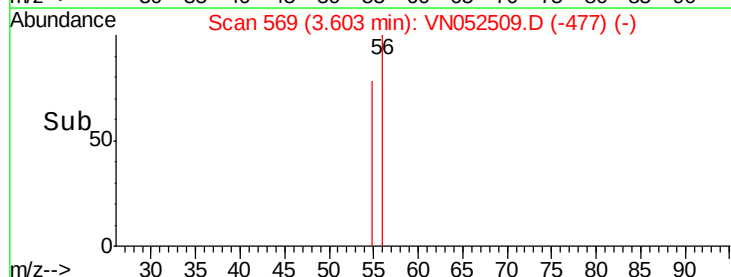
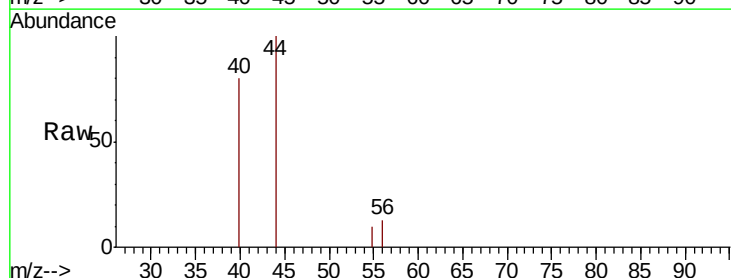
Instrument :
 MSVOA_N
 ClientSampleId :
 MS-SFVP8283LM

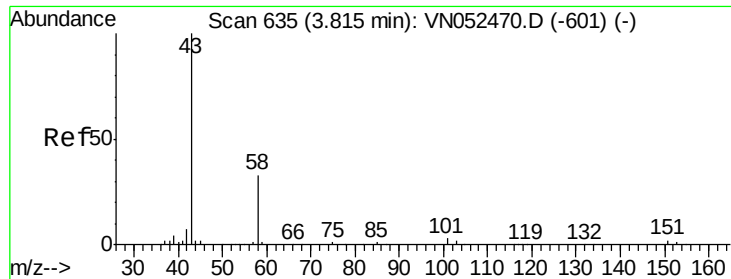
Tot Ion:168 Resp: 1260781
 Ion Ratio Lower Upper
 168 100
 99 51.2 41.7 62.5



#13
 Acrolein
 Concen: 33.581 ug/l
 RT: 3.60 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VN052509.D
 Acq: 28 Nov 2018 10:29

Tgt Ion: 56 Resp: 148
 Ion Ratio Lower Upper
 56 100
 55 89.9 56.8 85.2#





#16

Acetone

Concen: 0.358 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052509.D

Acq: 28 Nov 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

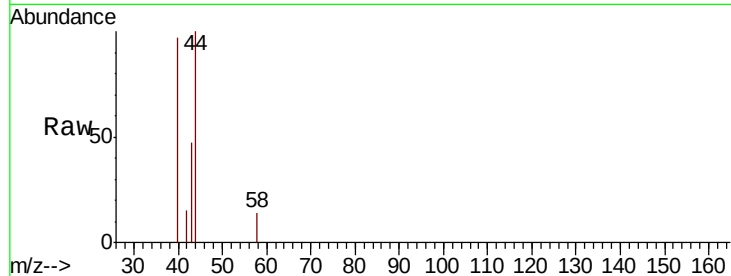
MS-SFVP8283LM

Tot Ion: 43 Resp: 1298

Ion Ratio Lower Upper

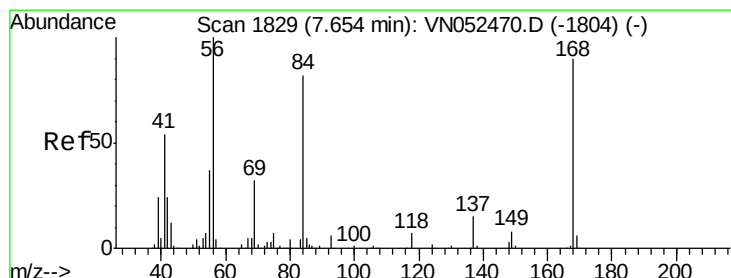
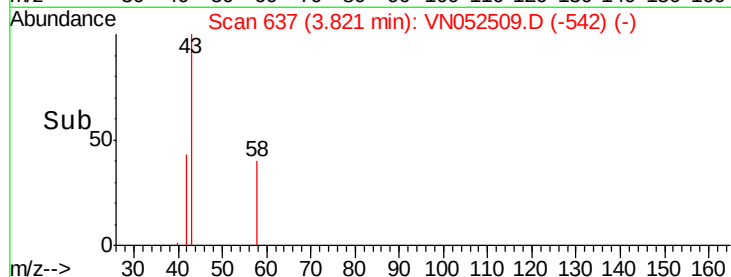
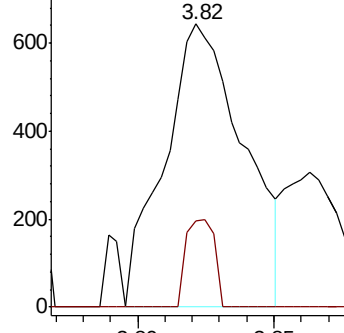
43 100

58 30.6 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#31

Cyclohexane

Concen: 0.589 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052509.D

Acq: 28 Nov 2018 10:29

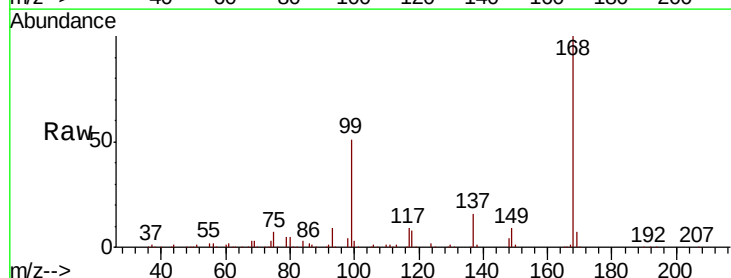
Tgt Ion: 56 Resp: 22460

Ion Ratio Lower Upper

56 100

69 191.1 25.8 38.6#

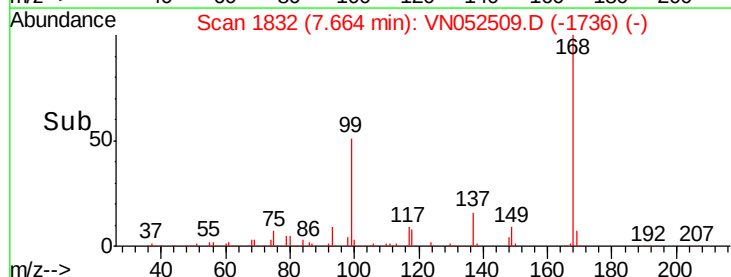
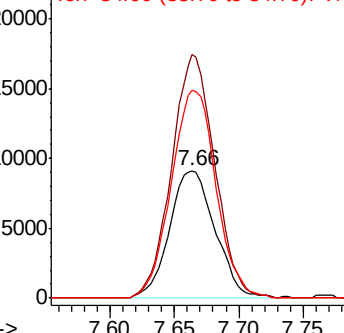
84 162.8 65.3 97.9#

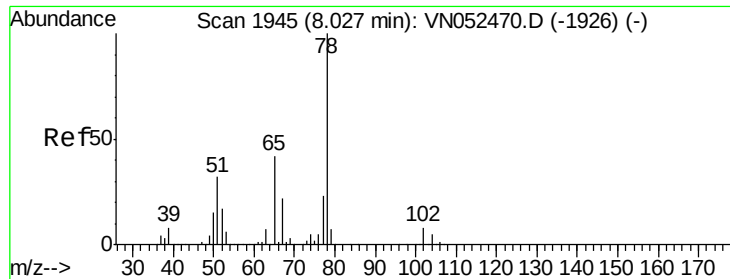


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

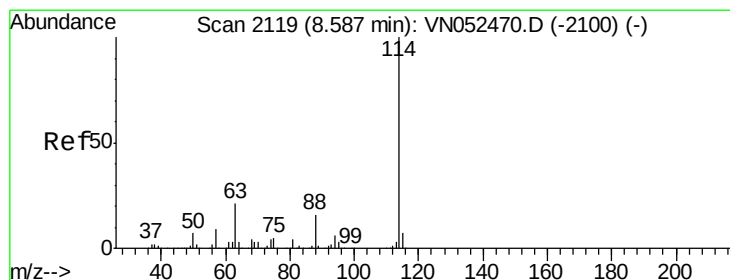
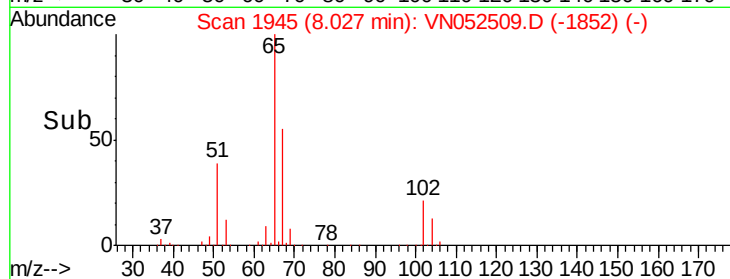
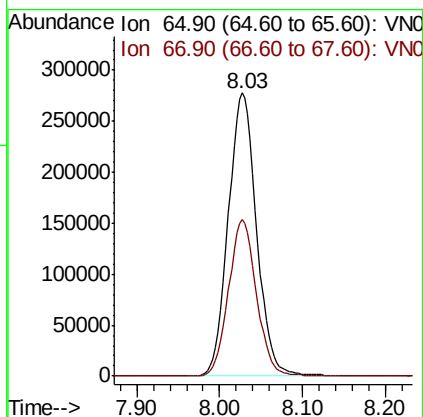
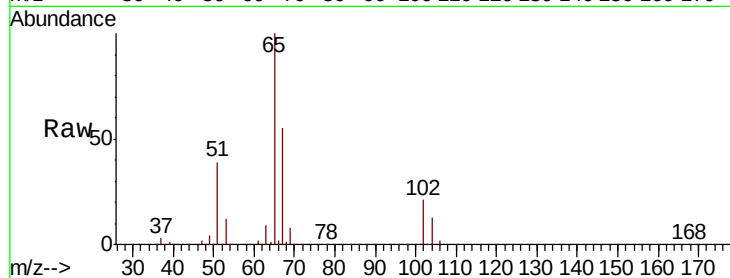




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052509.D
 Acq: 28 Nov 2018 10:29

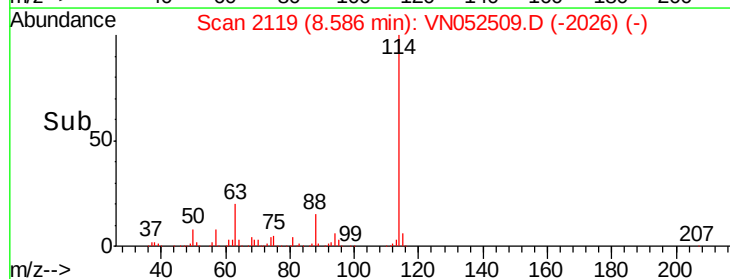
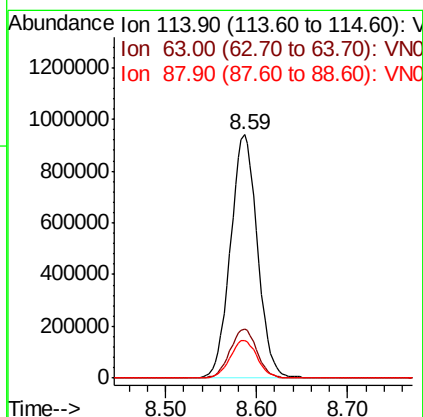
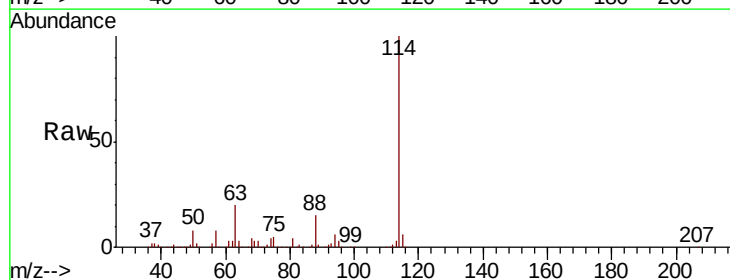
Instrument :
 MSVOA_N
 ClientSampleId :
 MS-SFVP8283LM

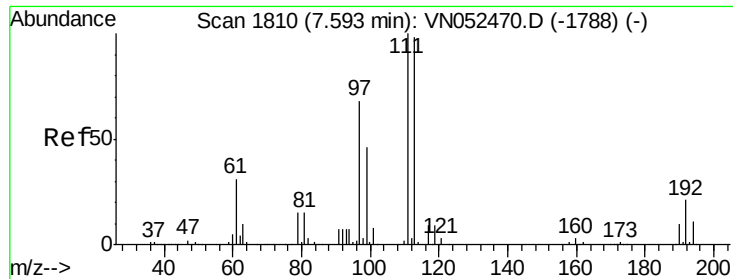
Tot Ion: 65 Resp: 659364
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052509.D
 Acq: 28 Nov 2018 10:29

Tgt Ion: 114 Resp: 1933588
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.8
 88 15.5 0.0 31.6

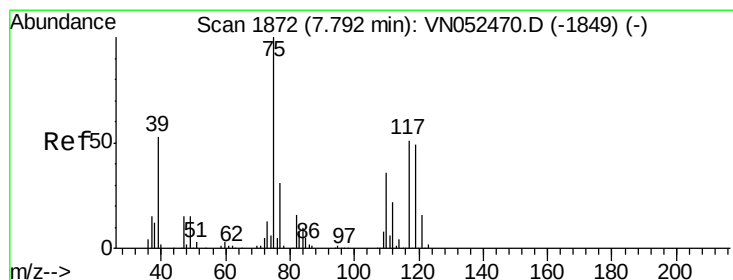
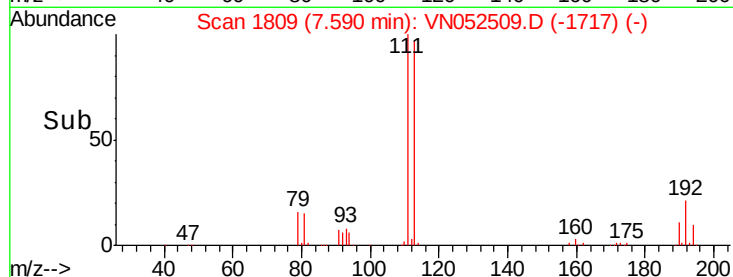
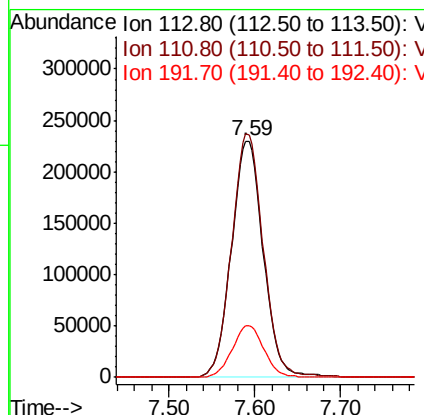
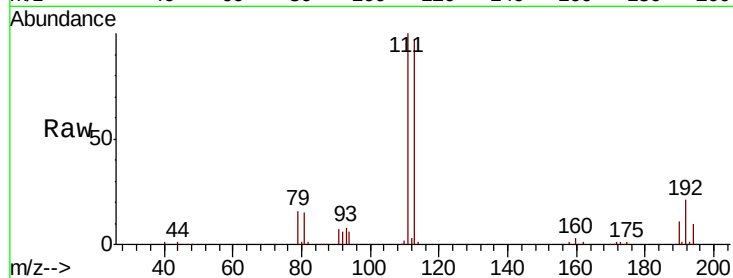




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052509.D
 Acq: 28 Nov 2018 10:29

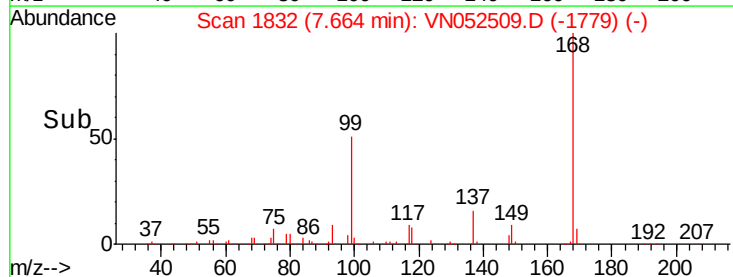
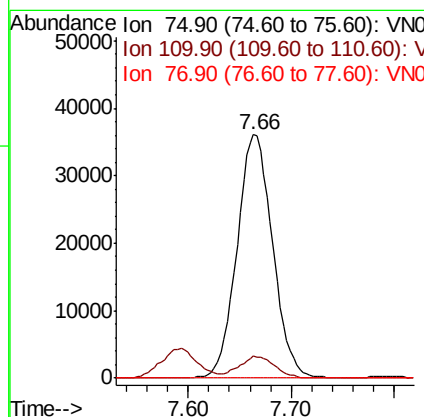
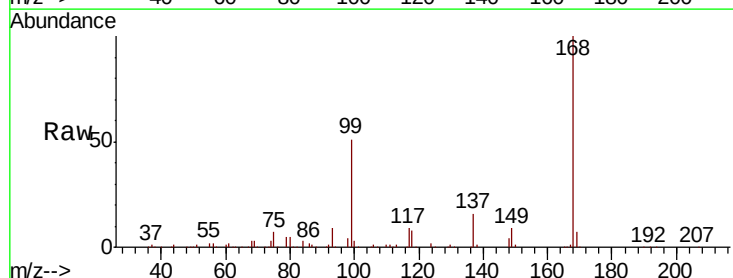
Instrument :
 MSVOA_N
 ClientSampleId :
 MS-SFVP8283LM

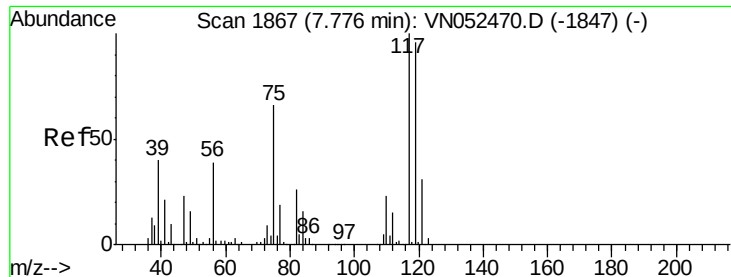
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.0	123.0
192	21.8	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 4.748 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052509.D
 Acq: 28 Nov 2018 10:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.5	52.6#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.774 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN052509.D

Acq: 28 Nov 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

MS-SFVP8283LM

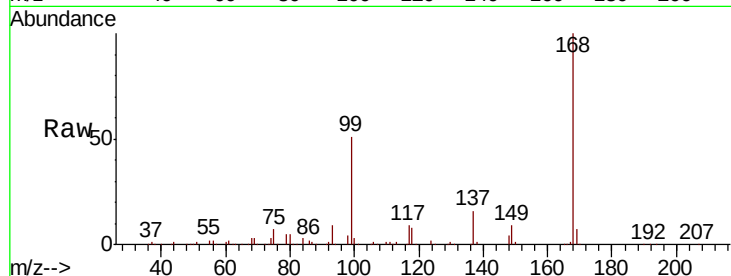
Tot Ion:117 Resp: 111976

Ion Ratio Lower Upper

117 100

119 5.5 76.8 115.2#

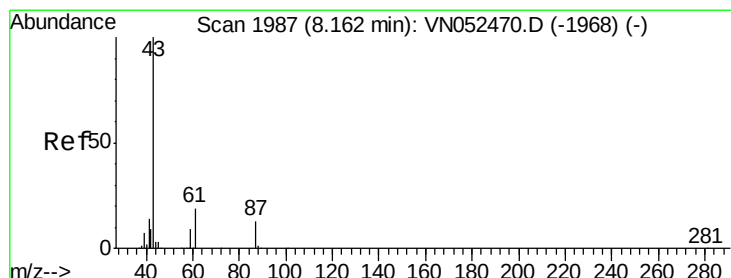
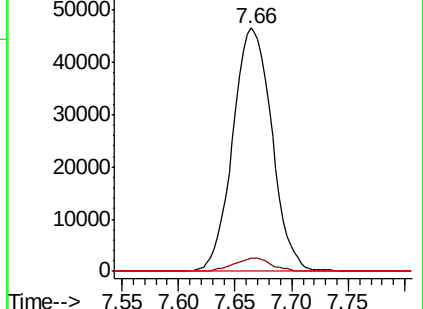
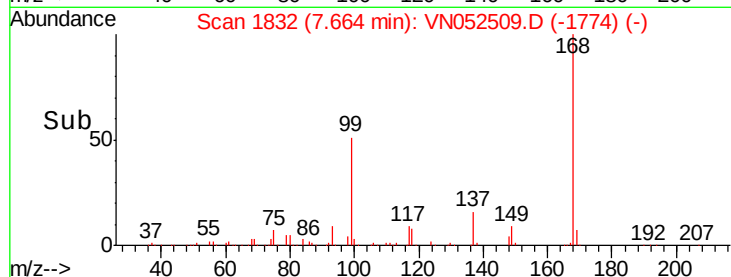
121 0.0 24.9 37.3#



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: 0.430 ug/l

RT: 8.23 min Scan# 2009

Delta R.T. 0.07 min

Lab File: VN052509.D

Acq: 28 Nov 2018 10:29

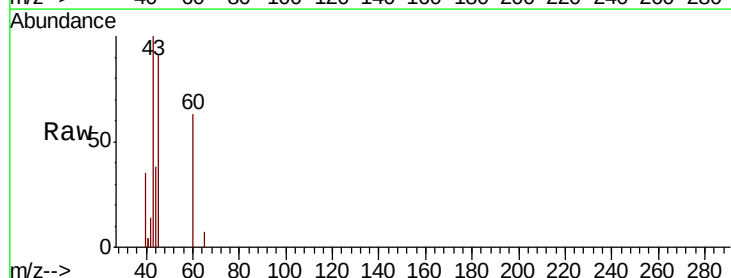
Tgt Ion: 43 Resp: 8108

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

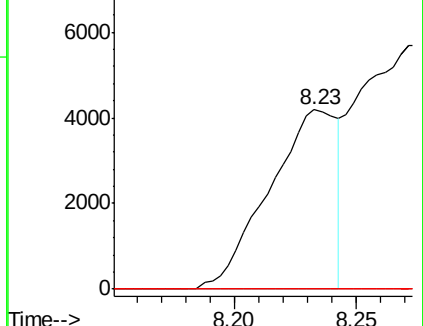
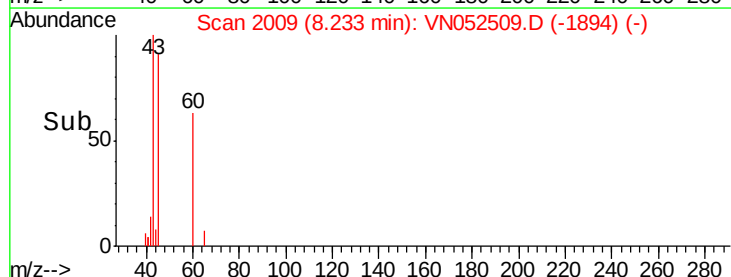
87 0.0 10.6 15.8#

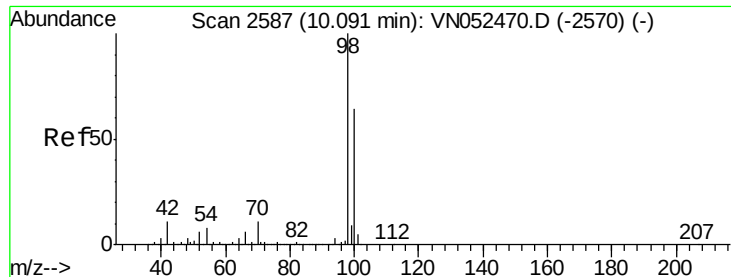


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052509.D

Acq: 28 Nov 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

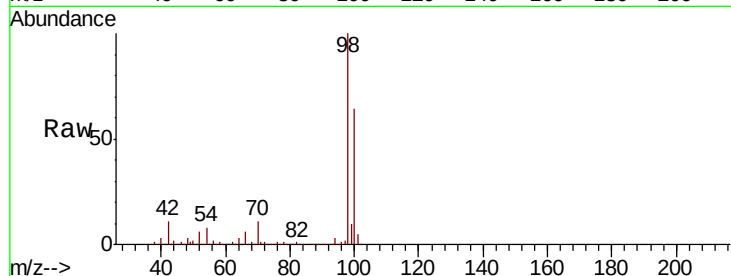
MS-SFVP8283LM

Tot Ion: 98 Resp: 2328705

Ion Ratio Lower Upper

98 100

100 64.4 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN052470.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052470.D (-2570) (-)

10.09

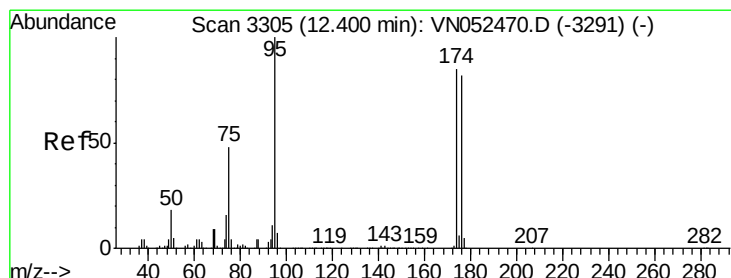
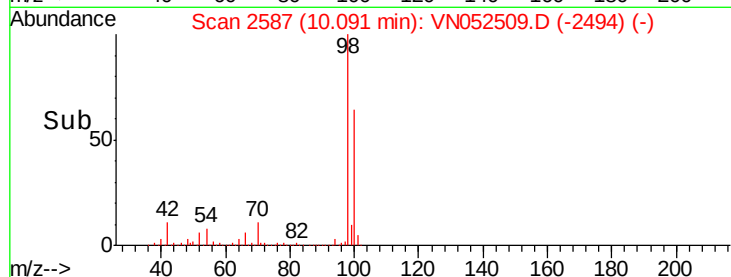
1500000

1000000

500000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052509.D

Acq: 28 Nov 2018 10:29

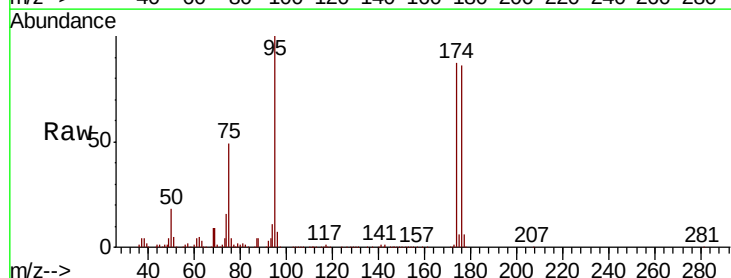
Tgt Ion: 95 Resp: 723599

Ion Ratio Lower Upper

95 100

174 87.3 0.0 173.0

176 85.7 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) (-)

12.40

600000

500000

400000

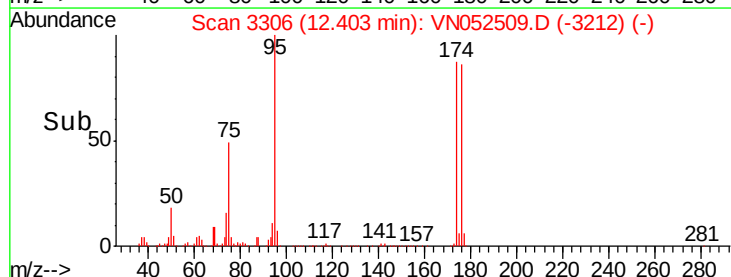
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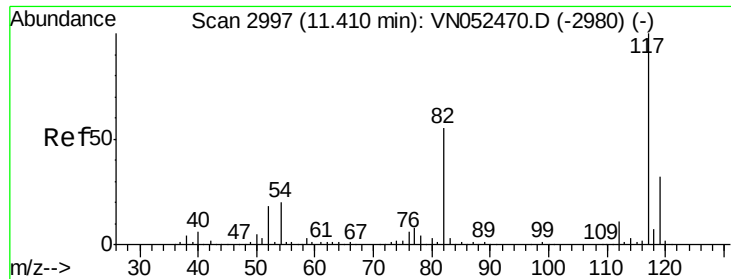
200000

100000

0

Time-->

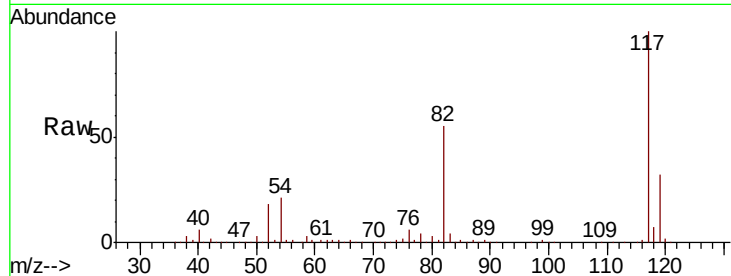




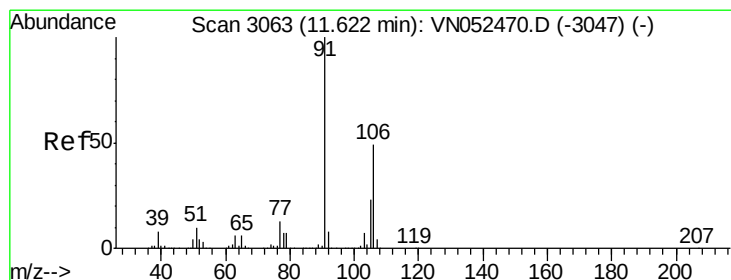
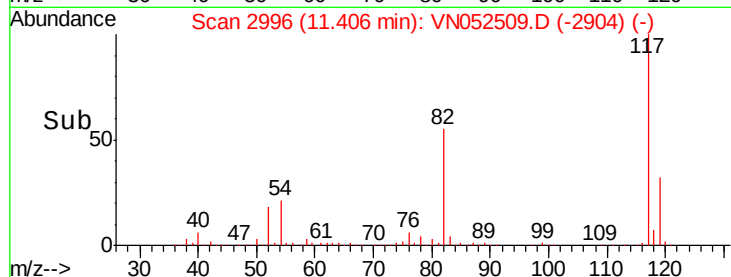
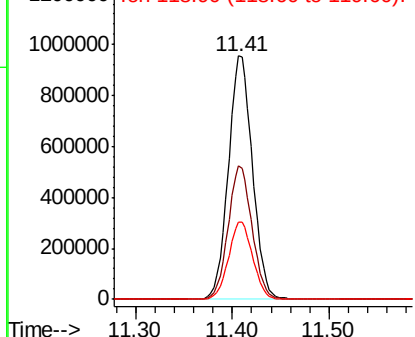
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052509.D
Acq: 28 Nov 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
MS-SFVP8283LM

Tot Ion:117 Resp: 1649258
Ion Ratio Lower Upper
117 100
82 54.7 43.6 65.4
119 31.7 25.4 38.2

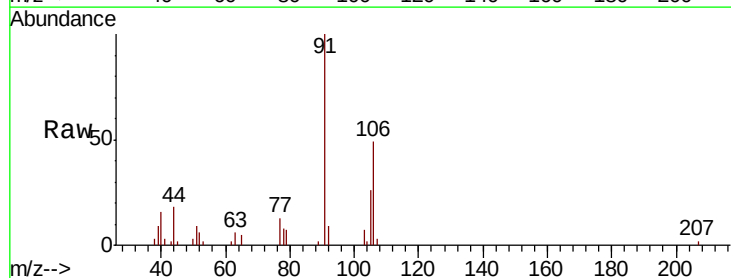


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

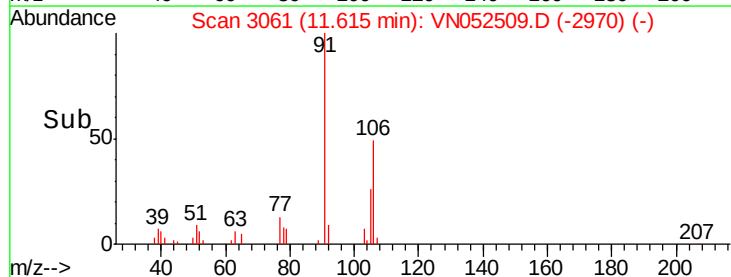
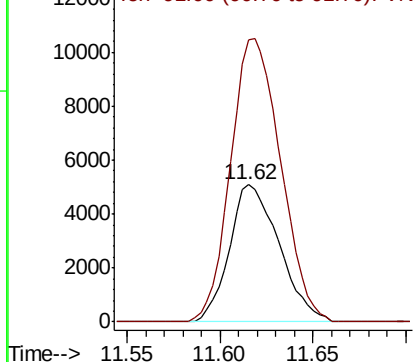


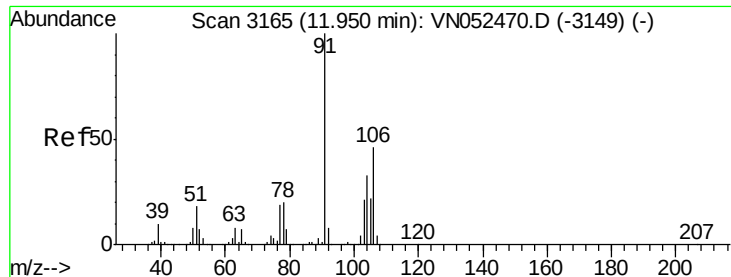
#68
m/p-Xylenes
Concen: 0.429 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN052509.D
Acq: 28 Nov 2018 10:29

Tgt Ion:106 Resp: 9512
Ion Ratio Lower Upper
106 100
91 207.3 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

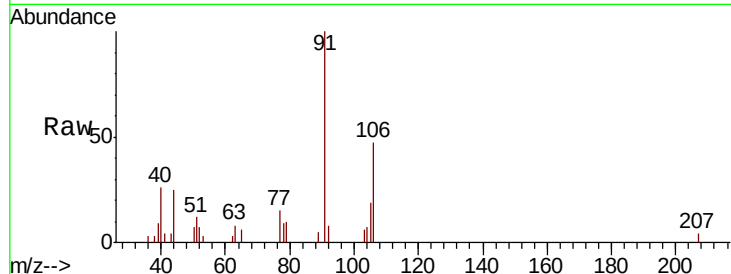




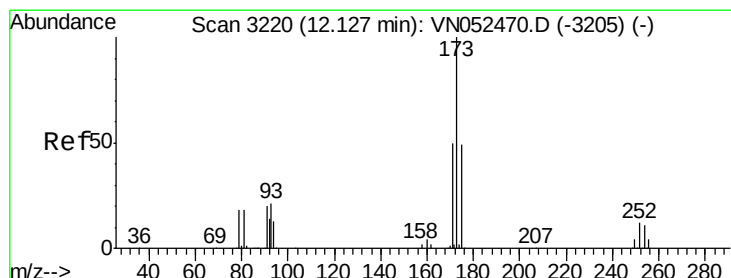
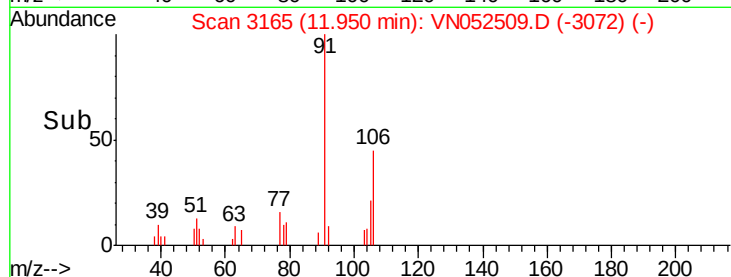
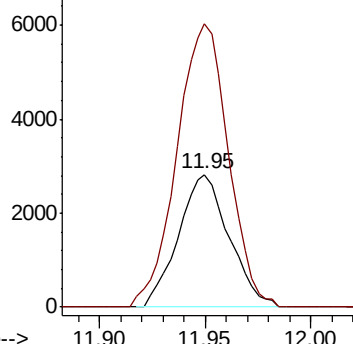
#69
o-Xylene
Concen: 0.218 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052509.D
Acq: 28 Nov 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
MS-SFVP8283LM

Tot Ion:106 Resp: 4690
Ion Ratio Lower Upper
106 100
91 217.1 107.7 323.1

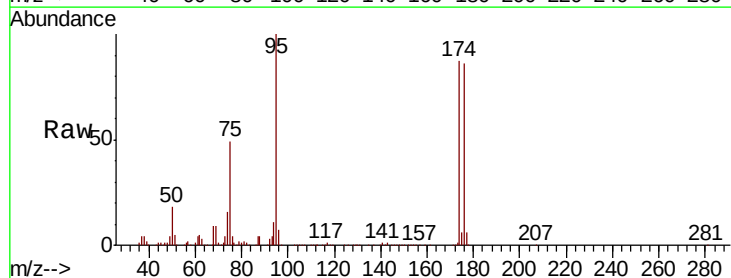


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

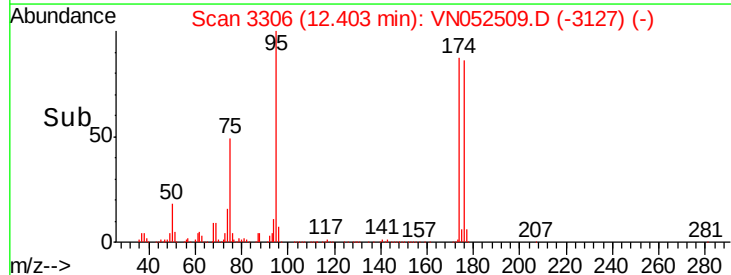
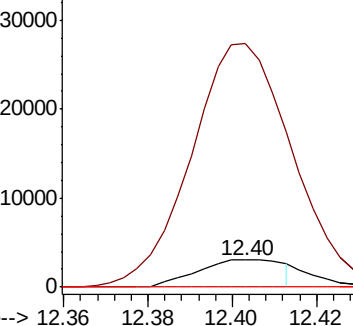


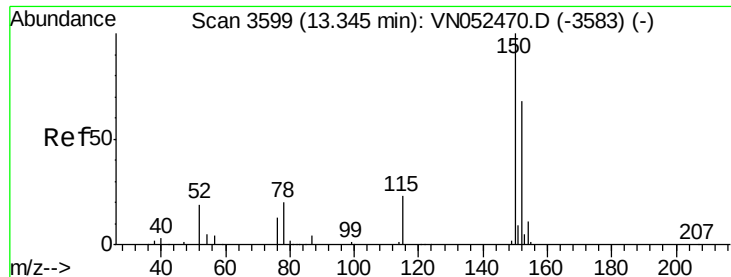
#71
Bromoform
Concen: 0.555 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052509.D
Acq: 28 Nov 2018 10:29

Tgt Ion:173 Resp: 4348
Ion Ratio Lower Upper
173 100
175 901.5 24.4 73.2#
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: VN052509.D

Acq: 28 Nov 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

MS-SFVP8283LM

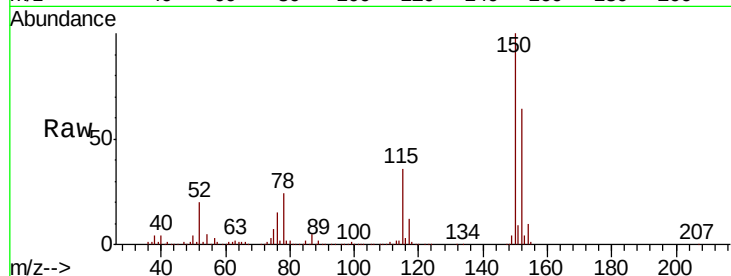
Tot Ion:152 Resp: 647178

Ion Ratio Lower Upper

152 100

115 57.2 28.4 85.2

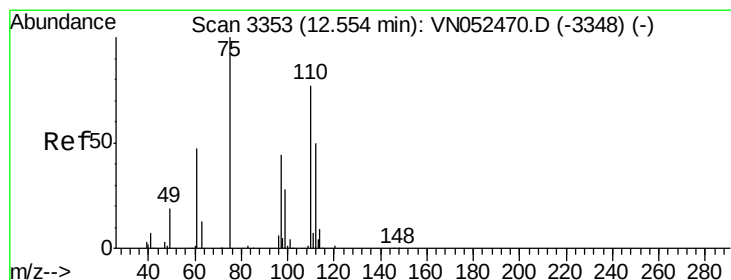
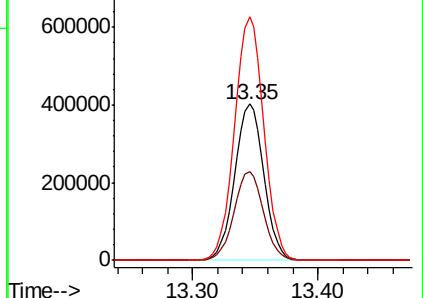
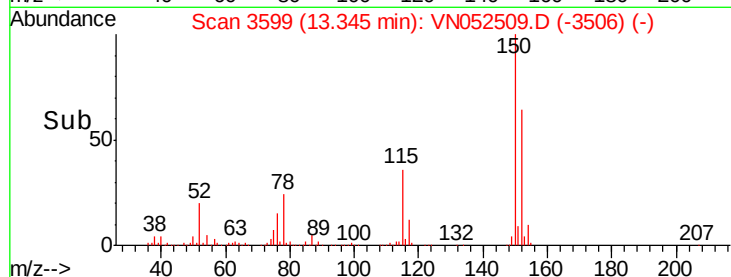
150 156.9 0.0 346.0



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: 35.211 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052509.D

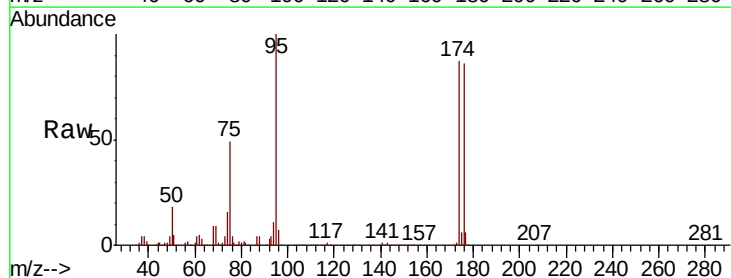
Acq: 28 Nov 2018 10:29

Tgt Ion: 75 Resp: 351404

Ion Ratio Lower Upper

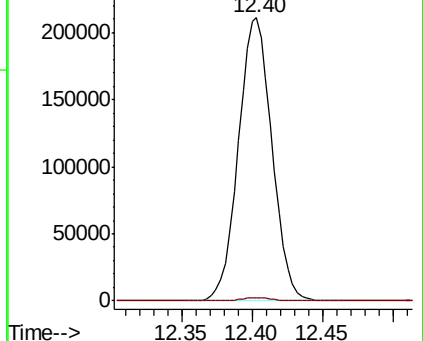
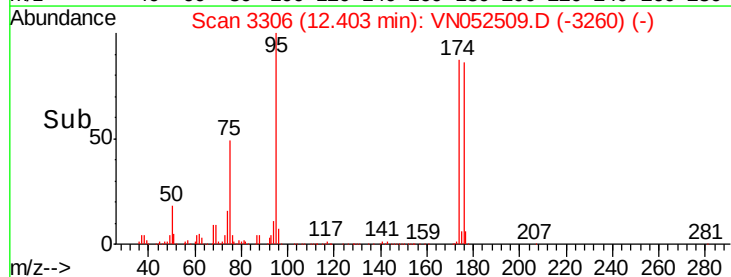
75 100

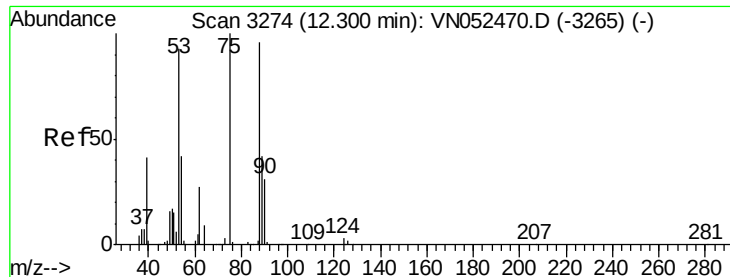
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 117.589 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052509.D

Acq: 28 Nov 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

MS-SFVP8283LM

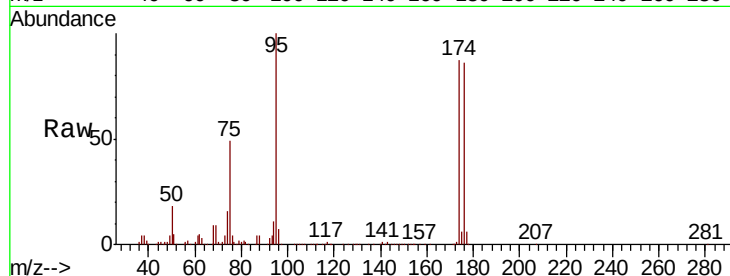
Tot Ion: 75 Resp: 351404

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

250000

200000

150000

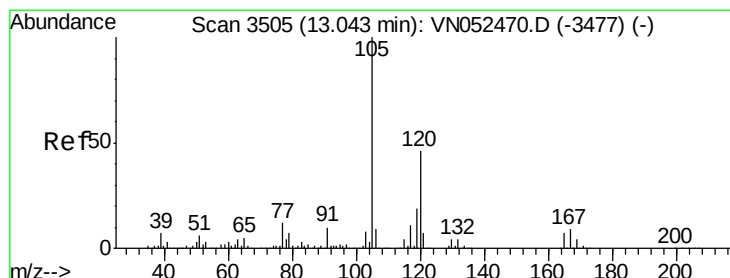
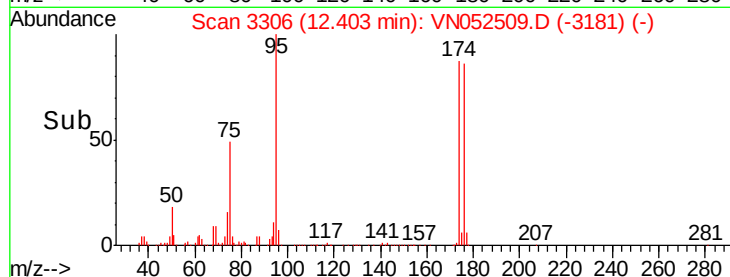
100000

50000

0

12.35 12.40 12.45

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 0.569 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VN052509.D

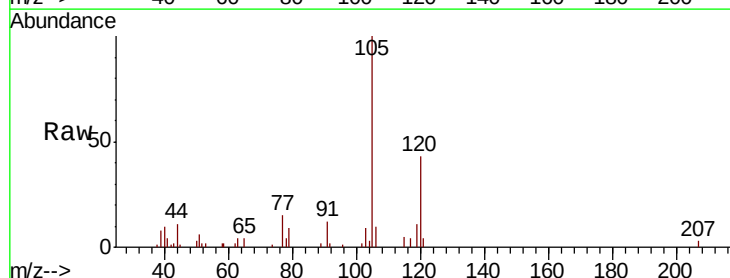
Acq: 28 Nov 2018 10:29

Tgt Ion: 105 Resp: 23099

Ion Ratio Lower Upper

105 100

120 44.4 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

15000

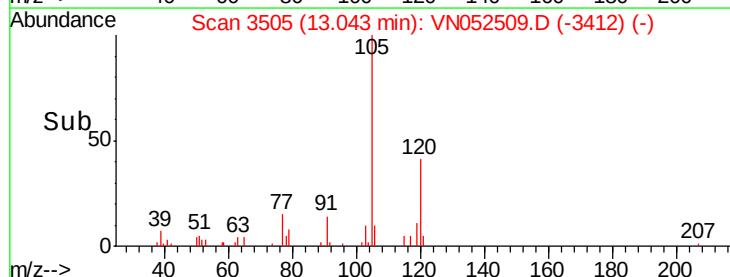
10000

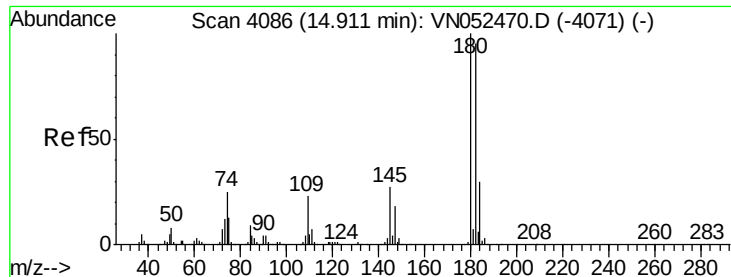
5000

0

13.00 13.05 13.10

Time-->

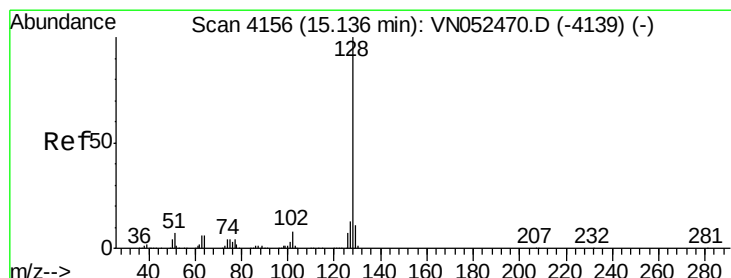
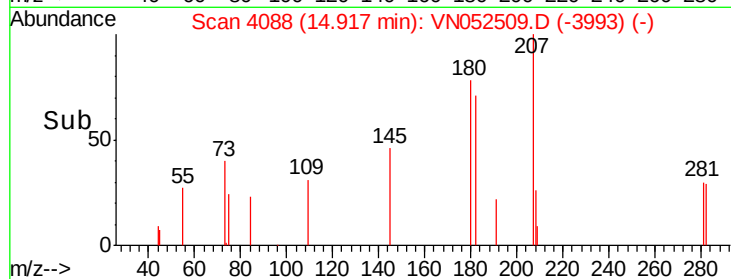
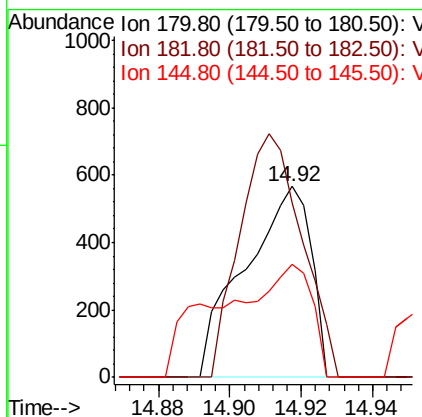
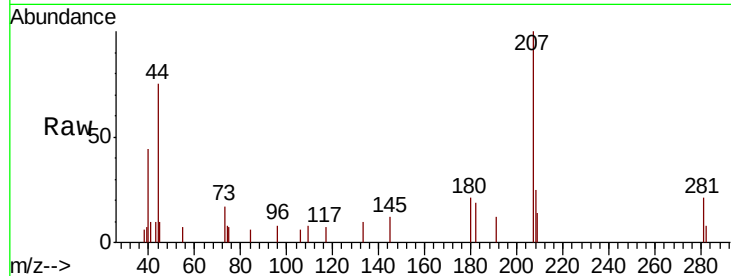




#93
 1,2,4-Trichlorobenzene
 Concen: 2.889 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.01 min
 Lab File: VN052509.D
 Acq: 28 Nov 2018 10:29

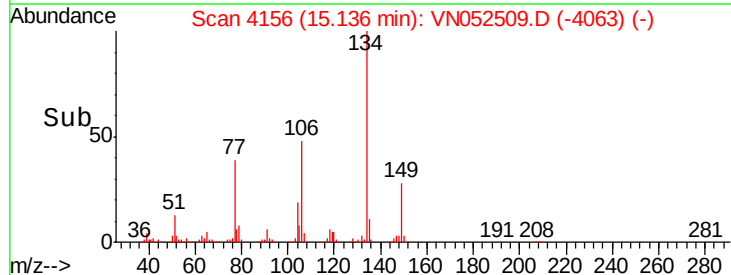
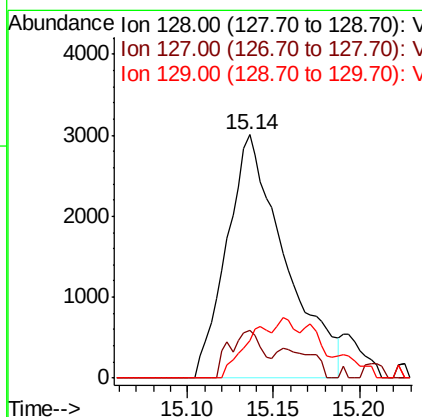
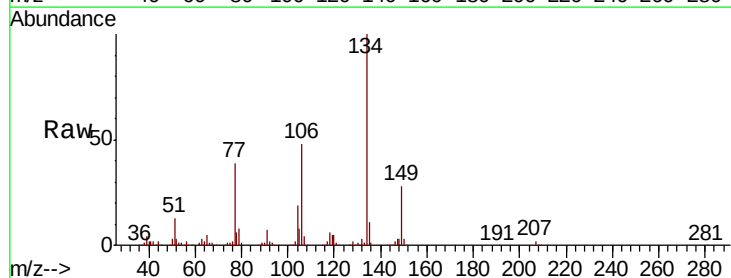
Instrument :
 MSVOA_N
 ClientSampleId :
 MS-SFVP8283LM

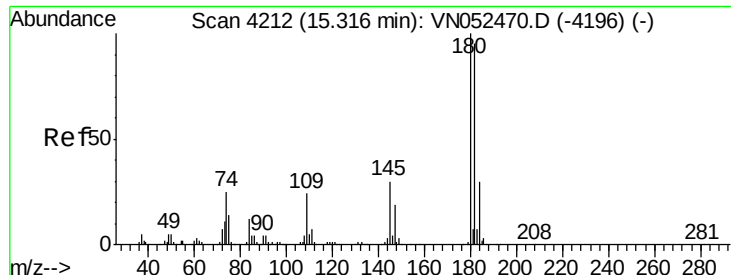
Tot Ion:180 Resp: 728
 Ion Ratio Lower Upper
 180 100
 182 119.2 47.8 143.4
 145 0.0 14.1 42.3#



#95
 Naphthalene
 Concen: 3.699 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN052509.D
 Acq: 28 Nov 2018 10:29

Tgt Ion:128 Resp: 7085
 Ion Ratio Lower Upper
 128 100
 127 11.2 10.2 15.2
 129 10.7 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.822 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN052509.D
 Acq: 28 Nov 2018 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 MS-SFVP8283LM

Tot Ion	Ratio	Lower	Upper
180	100		
182	107.6	47.8	143.3
145	0.0	15.2	45.5

