

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051975.D
 Acq On : 24 Oct 2018 9:12
 Operator : MD\SY
 Sample : VN1024WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 24 14:27:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1126615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1635563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1512283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	716104	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	581535	57.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.92%	
35) Dibromofluoromethane	7.59	113	609543	58.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.80%	
50) Toluene-d8	10.09	98	2236260	59.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.58%	
62) 4-Bromofluorobenzene	12.40	95	715005	55.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.32%	

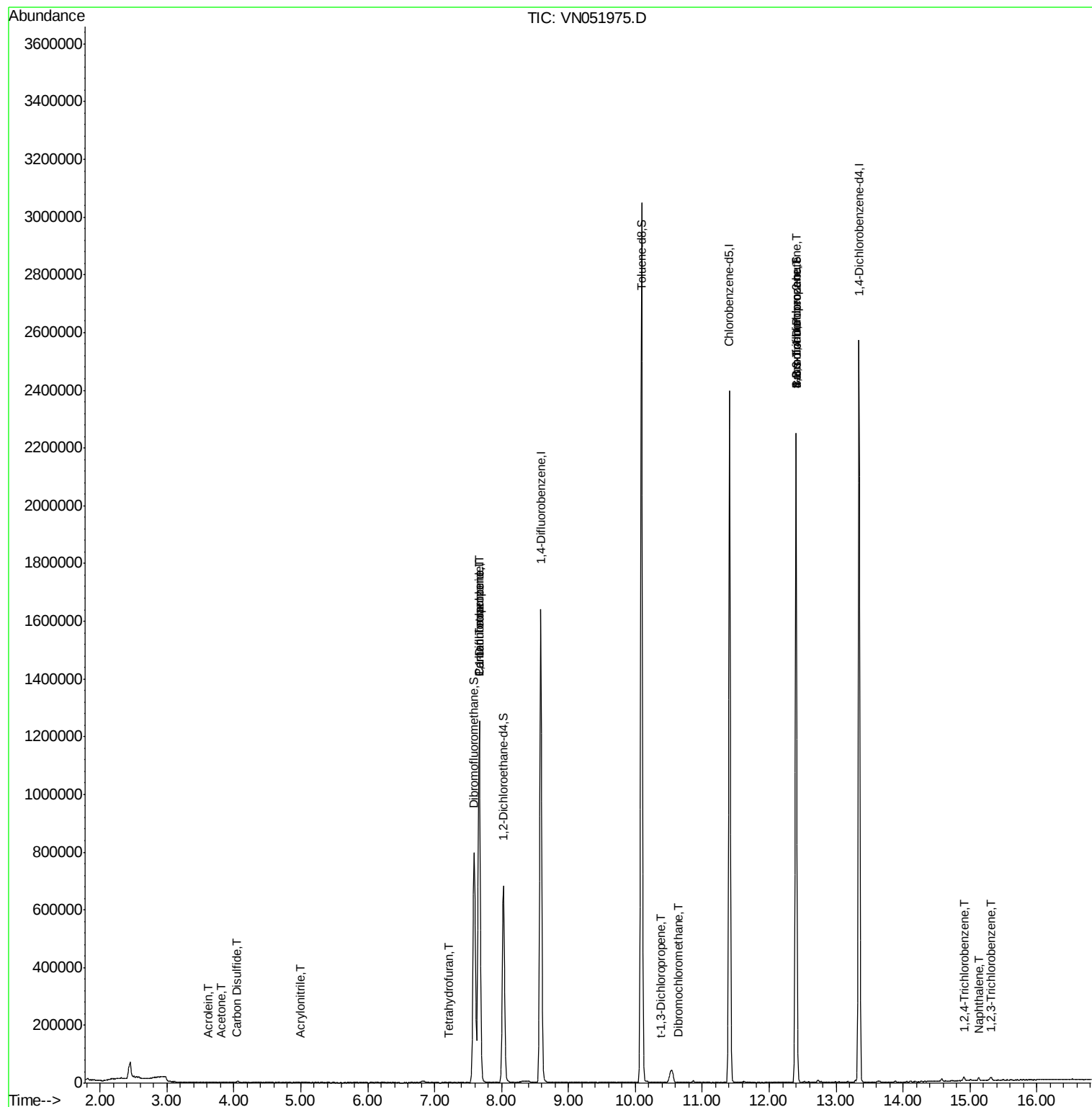
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	156	37.716	ug/l #	54
15) Acrylonitrile	5.00	53	496	0.226	ug/l #	52
16) Acetone	3.81	43	334	0.202	ug/l #	64
17) Carbon Disulfide	4.05	76	5172	0.264	ug/l #	95
18) Methyl Acetate	4.33	43	143	Below Cal	#	37
29) Tetrahydrofuran	7.22	42	651	0.408	ug/l #	22
31) Cyclohexane	7.66	56	18432	Below Cal	#	26
36) 1,1-Dichloropropene	7.67	75	67176	5.354	ug/l #	48
37) Ethyl Acetate	6.94	43	294	Below Cal	#	64
38) Carbon Tetrachloride	7.67	117	101743	7.064	ug/l #	15
53) t-1,3-Dichloropropene	10.38	75	190	1.258	ug/l #	43
60) Dibromochloromethane	10.64	129	104	1.986	ug/l #	11
71) Bromoform	12.40	173	6464	4.430	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	350232	47.348	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	350232	148.927	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	4180	0.316	ug/l	99
95) Naphthalene	15.13	128	9402	0.328	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	4840	0.383	ug/l	92

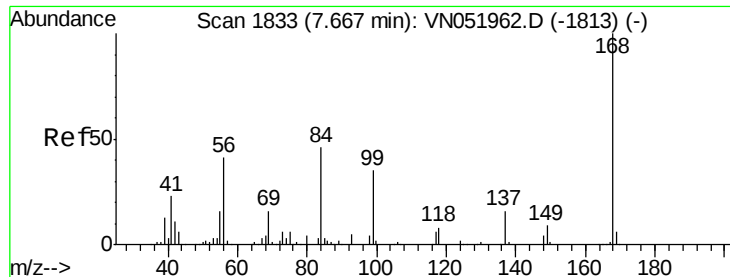
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 24 14:15:44 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 24 10:12:55 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051975.D

Acq: 24 Oct 2018 9:12

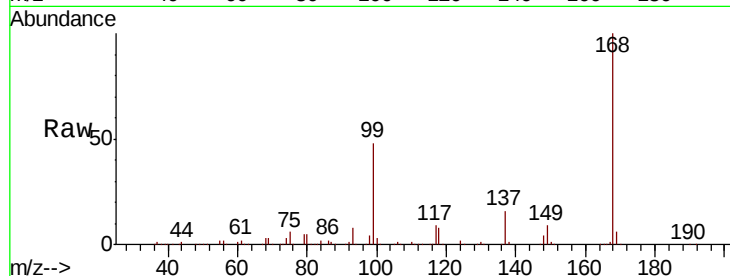
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1126615

Ion Ratio Lower Upper

168 100

99 48.3 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): VN051962.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051962.D (-1813) (-)

7.67

500000

400000

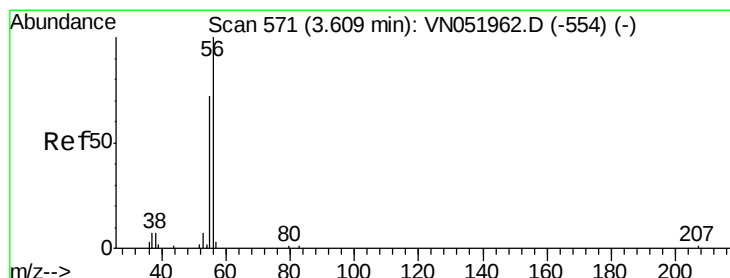
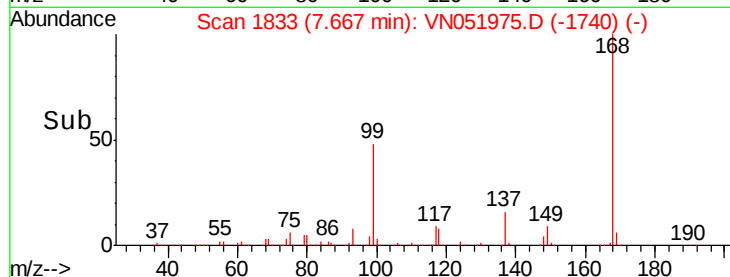
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 37.716 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051975.D

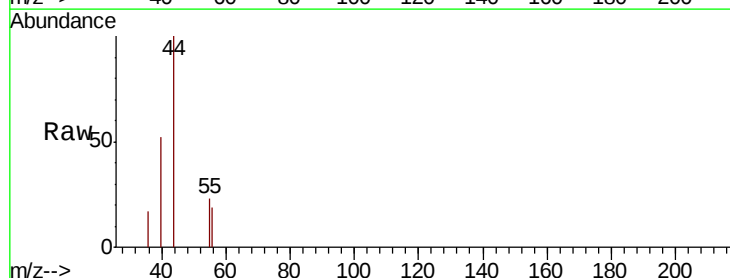
Acq: 24 Oct 2018 9:12

Tgt Ion: 56 Resp: 156

Ion Ratio Lower Upper

56 100

55 108.3 56.6 84.8#



Abundance Ion 56.00 (55.70 to 56.70): VN051962.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN051962.D (-554) (-)

3.61

400

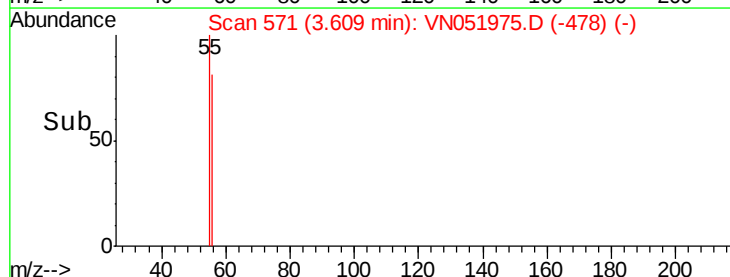
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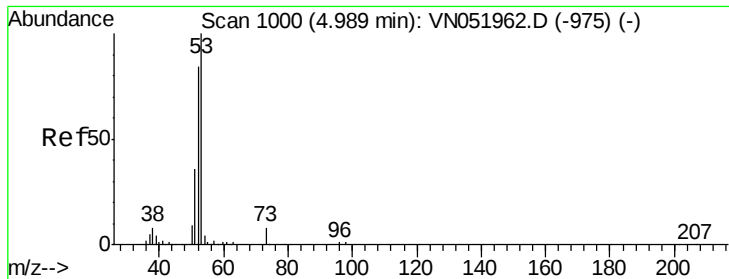
200

100

0

Time-->





#15

Acrylonitrile

Concen: 0.226 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. 0.02 min

Lab File: VN051975.D

Acq: 24 Oct 2018 9:12

Instrument :

MSVOA_N

ClientSampled :

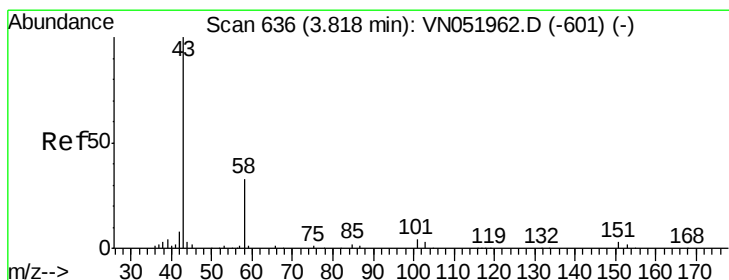
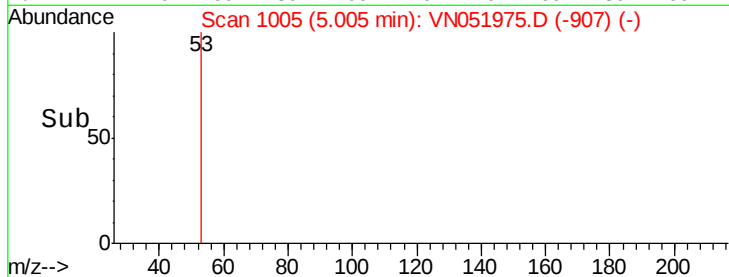
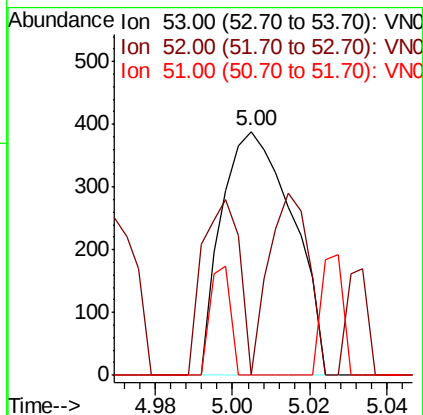
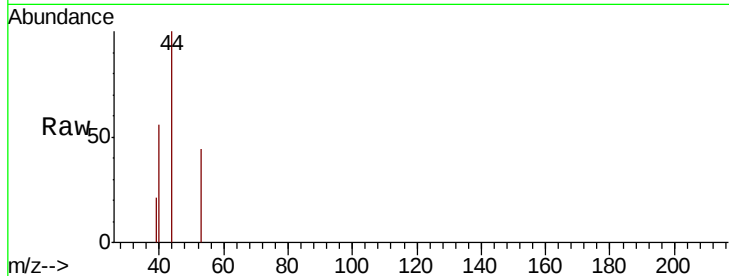
Tot Ion: 53 Resp: 496

Ion Ratio Lower Upper

53 100

52 37.3 67.0 100.4#

51 13.1 29.5 44.3#



#16

Acetone

Concen: 0.202 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.01 min

Lab File: VN051975.D

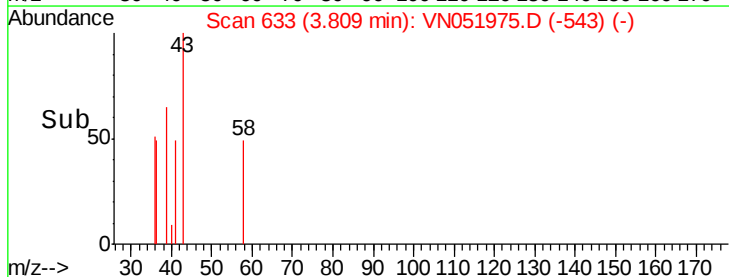
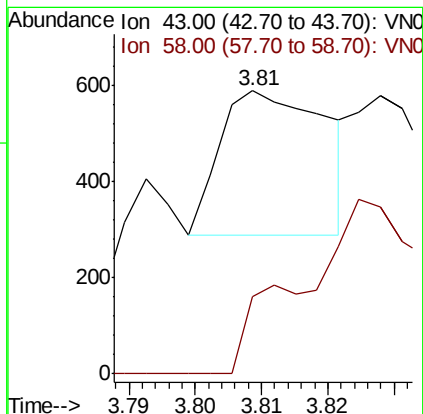
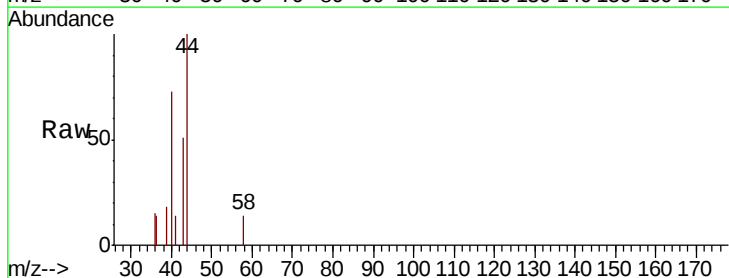
Acq: 24 Oct 2018 9:12

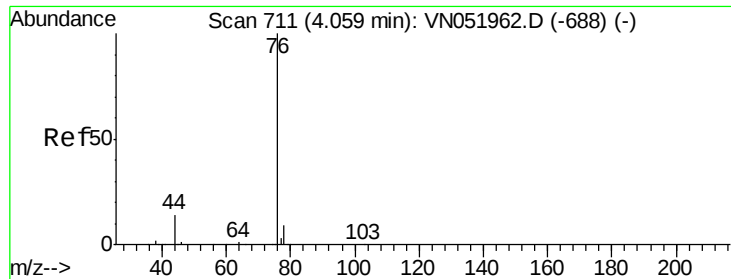
Tgt Ion: 43 Resp: 334

Ion Ratio Lower Upper

43 100

58 53.7 26.7 40.1#

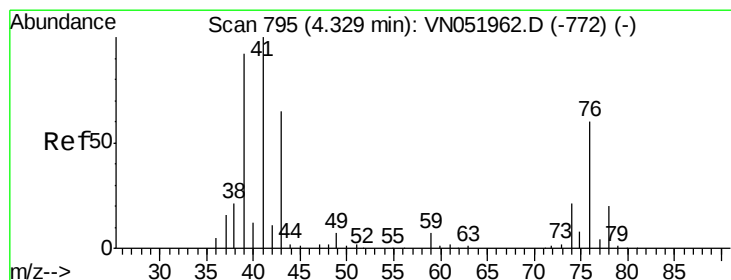
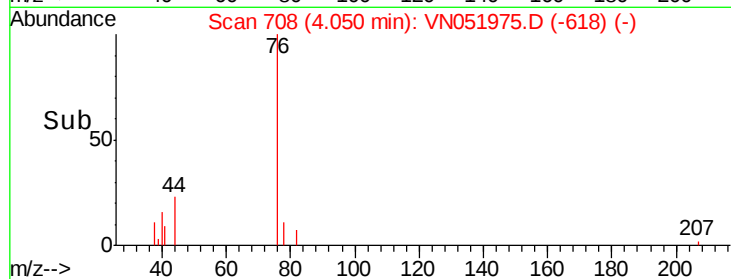
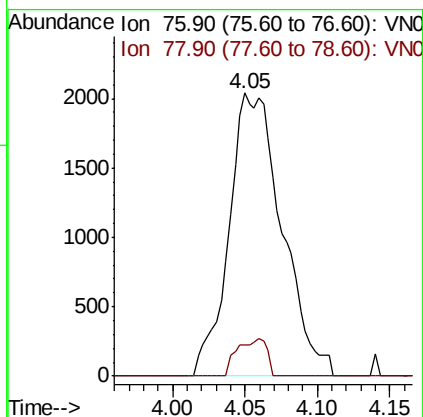
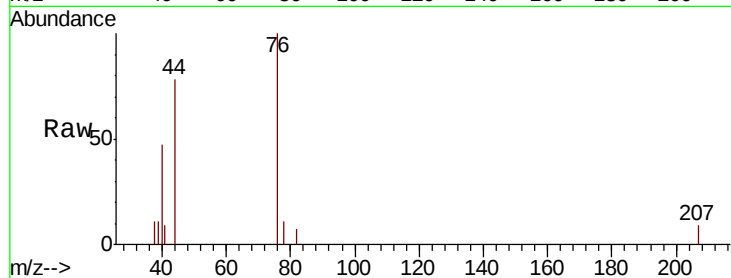




#17
Carbon Disulfide
Concen: 0.264 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.01 min
Lab File: VN051975.D
Acq: 24 Oct 2018 9:12

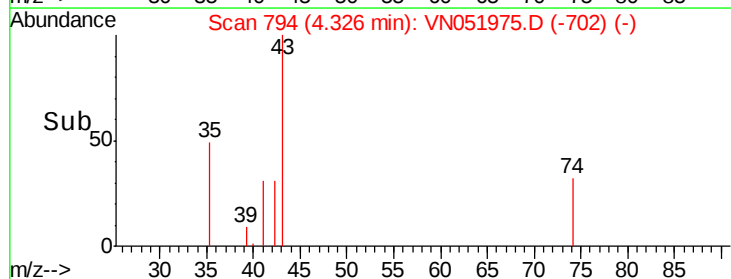
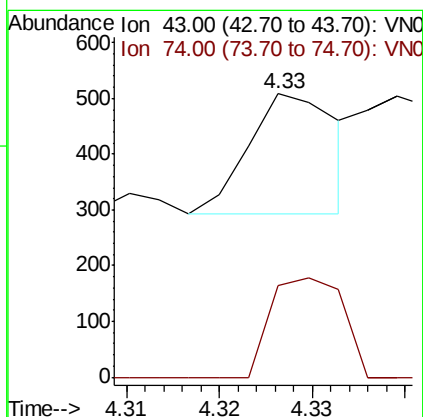
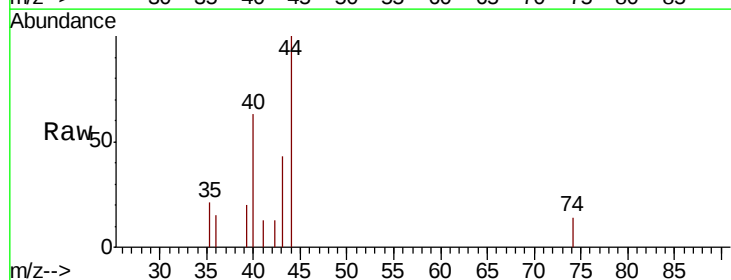
Instrument :
MSVOA_N
ClientSampleId :

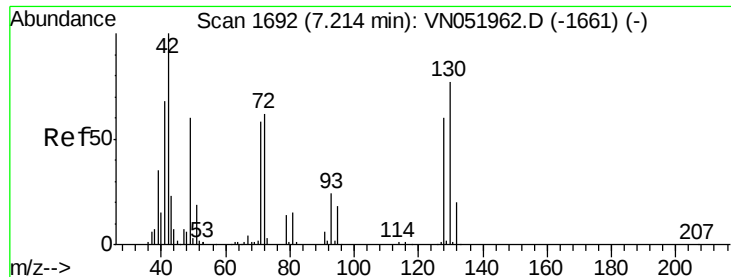
Tot Ion: 76 Resp: 5172
Ion Ratio Lower Upper
76 100
78 11.1 7.3 10.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051975.D
Acq: 24 Oct 2018 9:12

Tgt Ion: 43 Resp: 143
Ion Ratio Lower Upper
43 100
74 67.1 25.7 38.5#

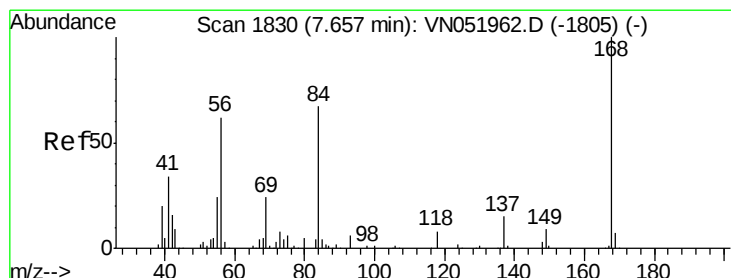
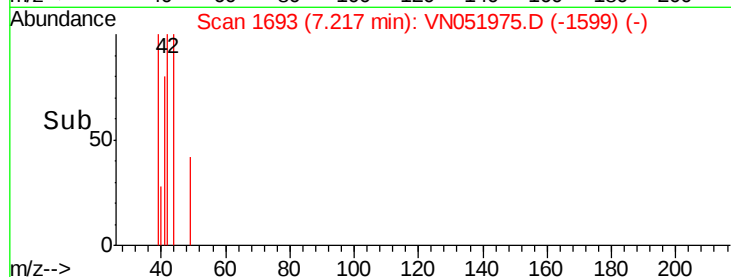
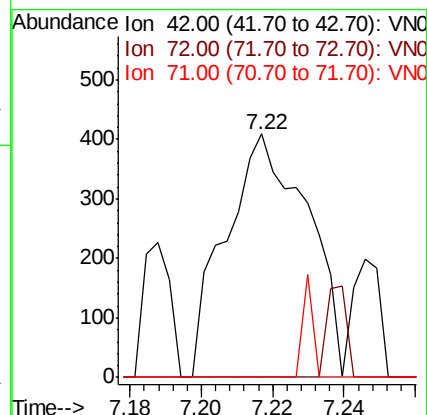
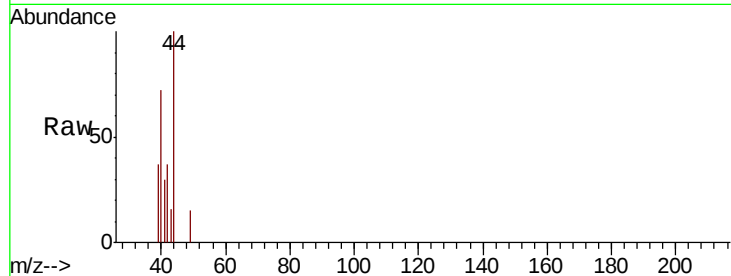




#29
Tetrahydrofuran
Concen: 0.408 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051975.D
Acq: 24 Oct 2018 9:12

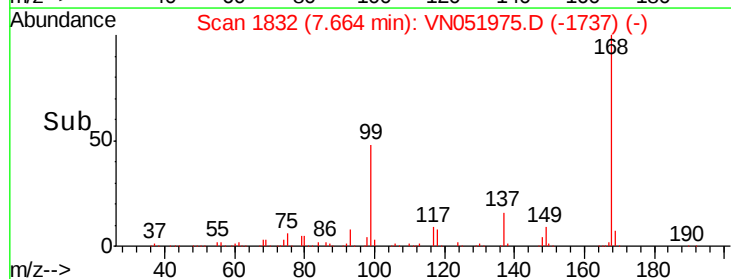
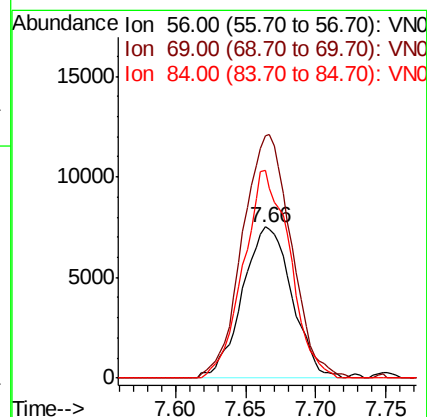
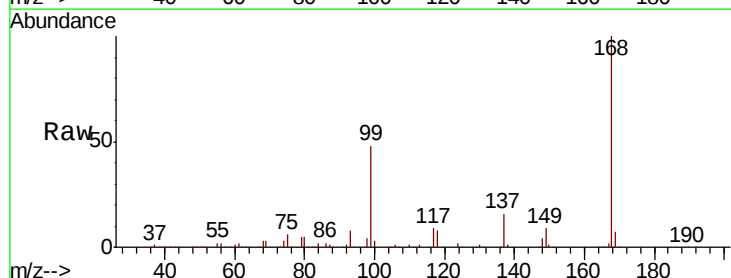
Instrument :
MSVOA_N
ClientSampled :

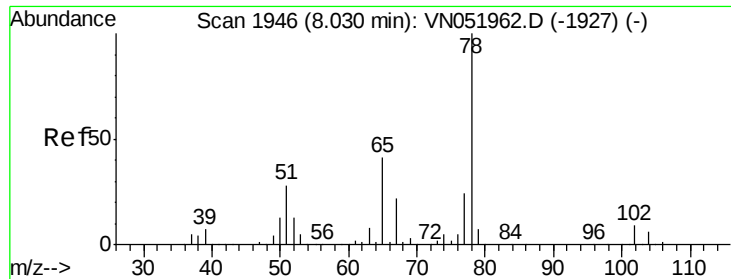
Tot Ion: 42 Resp: 651
Ion Ratio Lower Upper
42 100
72 0.0 47.5 71.3#
71 0.0 45.4 68.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051975.D
Acq: 24 Oct 2018 9:12

Tgt Ion: 56 Resp: 18432
Ion Ratio Lower Upper
56 100
69 160.3 31.2 46.8#
84 137.8 86.3 129.5#

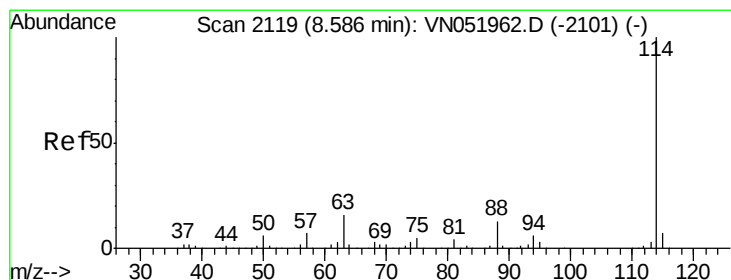
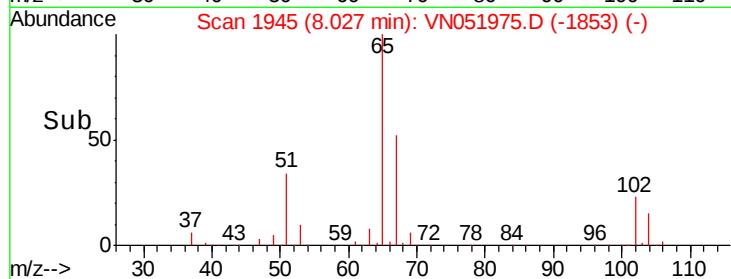
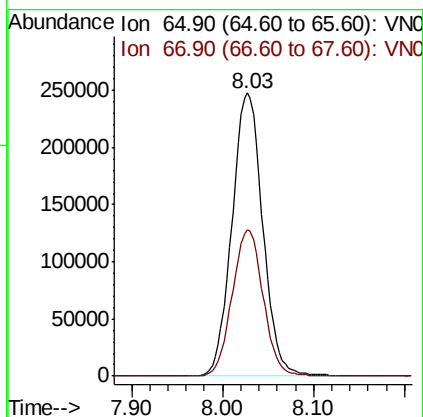
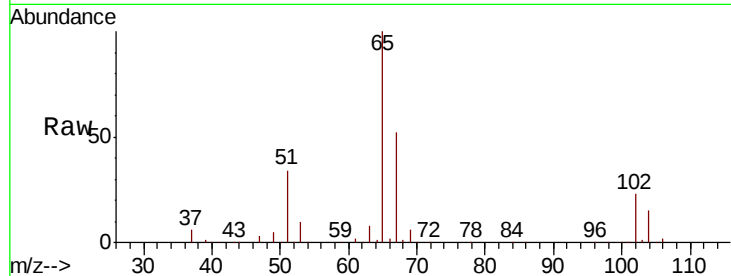




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051975.D
 Acq: 24 Oct 2018 9:12

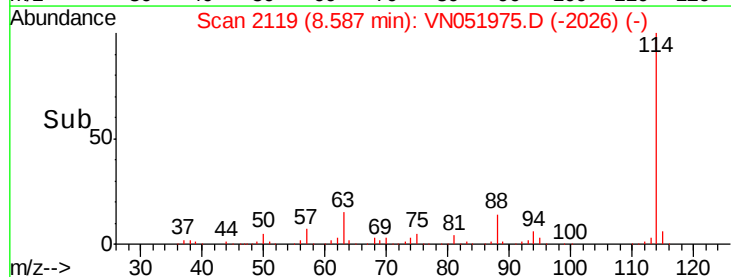
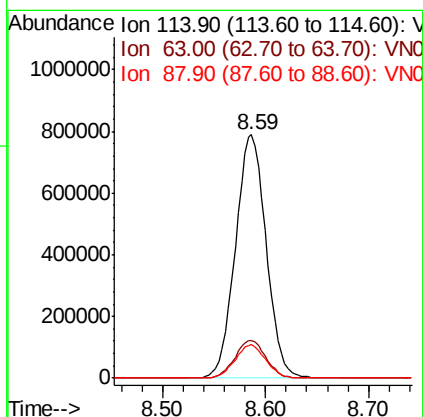
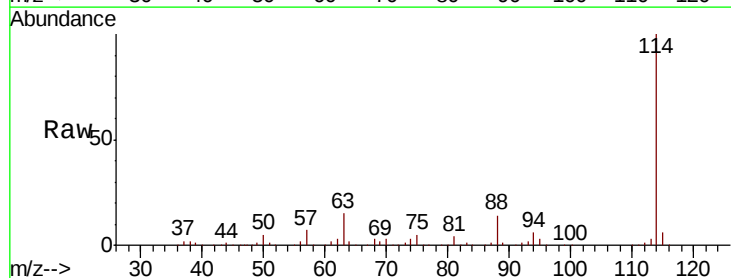
Instrument :
 MSVOA_N
 ClientSampled :

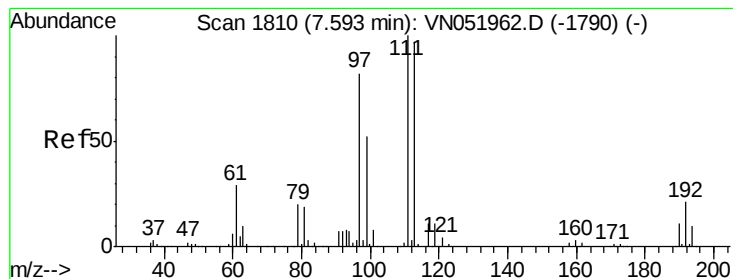
Tot Ion: 65 Resp: 581535
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051975.D
 Acq: 24 Oct 2018 9:12

Tgt Ion: 114 Resp: 1635563
 Ion Ratio Lower Upper
 114 100
 63 15.3 0.0 31.2
 88 13.6 0.0 27.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN051975.D

Acq: 24 Oct 2018 9:12

Instrument :

MSVOA_N

ClientSampleId :

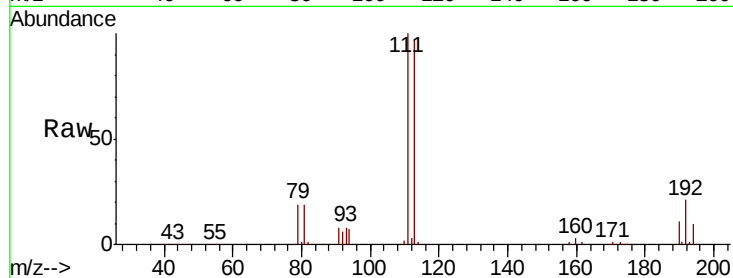
Tot Ion:113 Resp: 609543

Ion Ratio Lower Upper

113 100

111 102.1 80.7 121.1

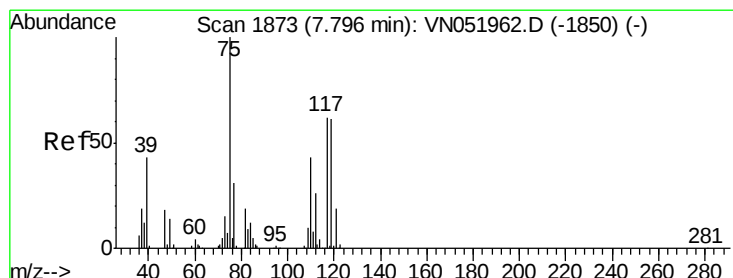
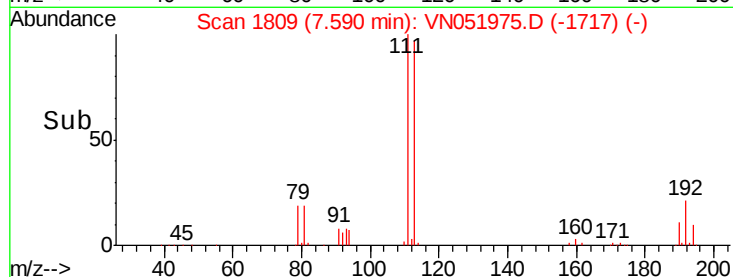
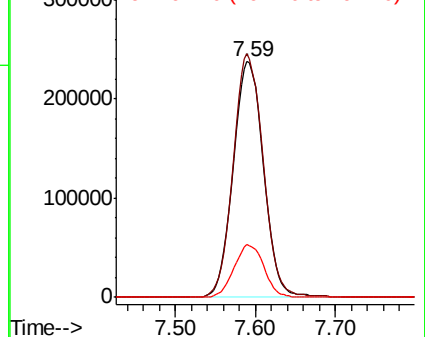
192 22.0 17.2 25.8



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: 5.354 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051975.D

Acq: 24 Oct 2018 9:12

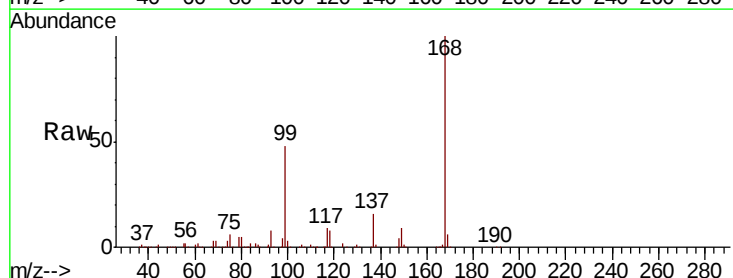
Tgt Ion: 75 Resp: 67176

Ion Ratio Lower Upper

75 100

110 11.2 20.9 62.8#

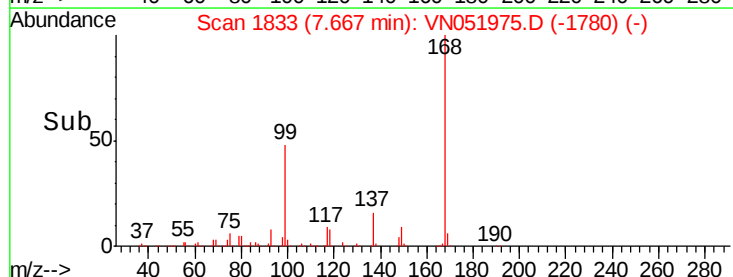
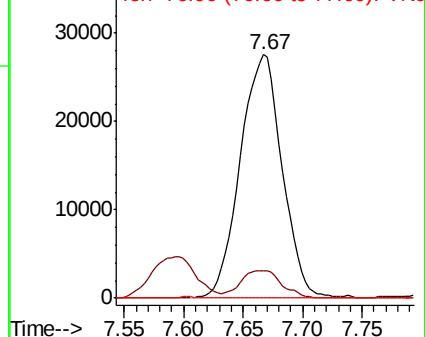
77 0.0 24.9 37.3#

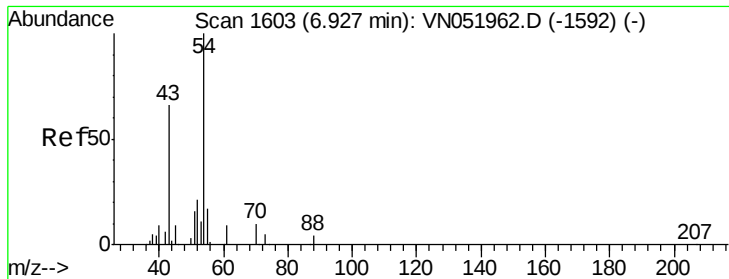


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

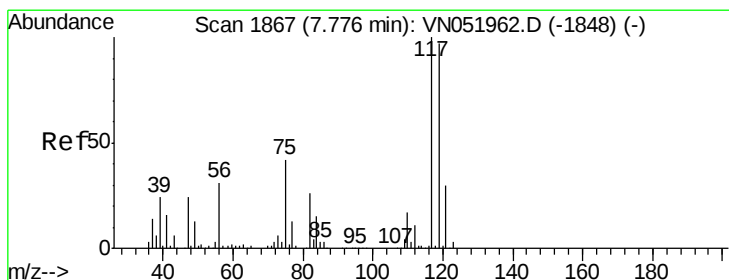
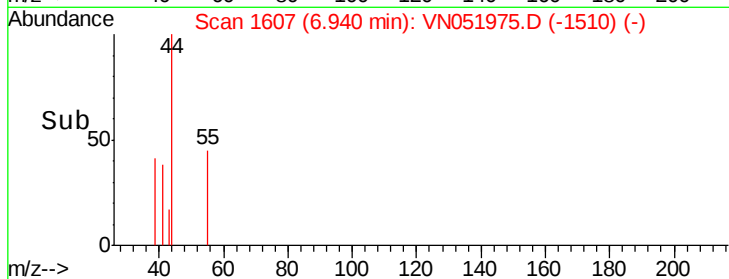
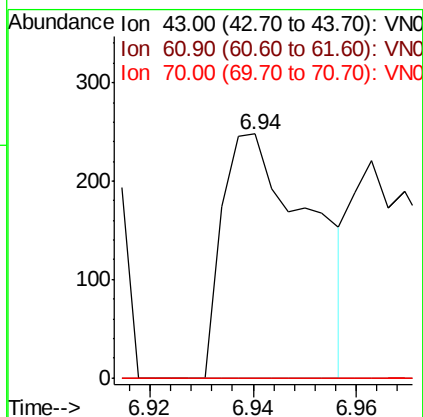
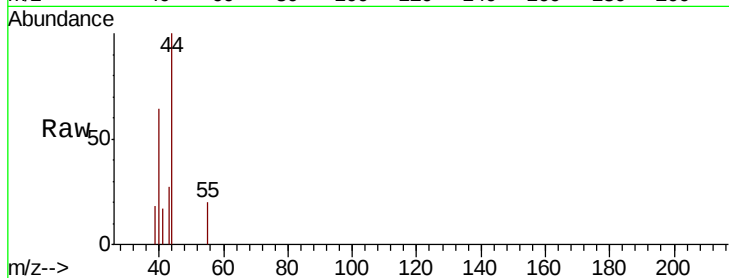




#37
Ethyl Acetate
Concen: Below Cal
RT: 6.94 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VN051975.D
Acq: 24 Oct 2018 9:12

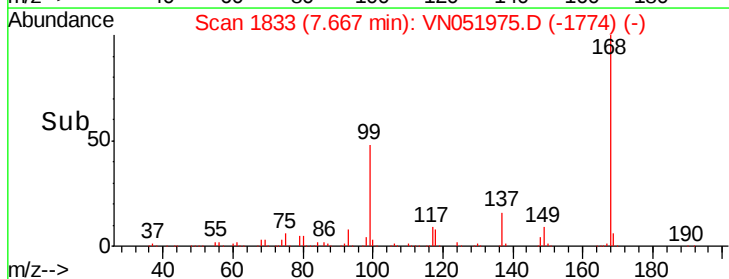
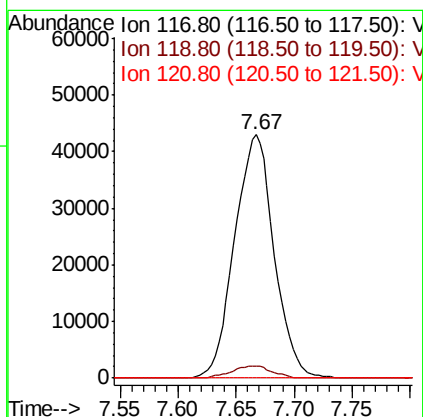
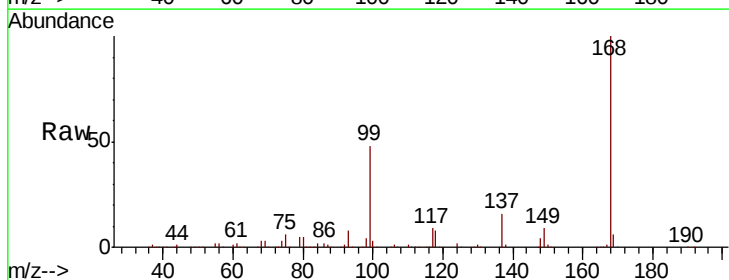
Instrument :
MSVOA_N
ClientSampleId :

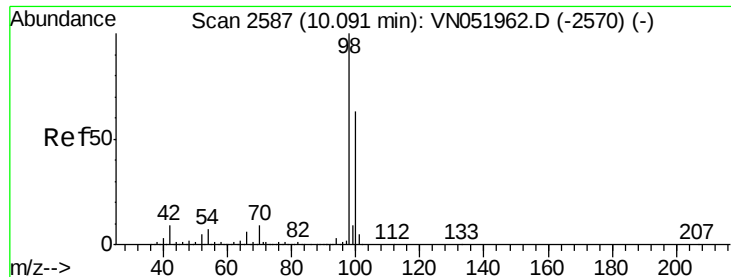
Tot Ion: 43 Resp: 294
Ion Ratio Lower Upper
43 100
61 0.0 13.5 20.3#
70 0.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 7.064 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN051975.D
Acq: 24 Oct 2018 9:12

Tgt Ion: 117 Resp: 101743
Ion Ratio Lower Upper
117 100
119 4.7 77.4 116.0#
121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051975.D

Acq: 24 Oct 2018 9:12

Instrument :

MSVOA_N

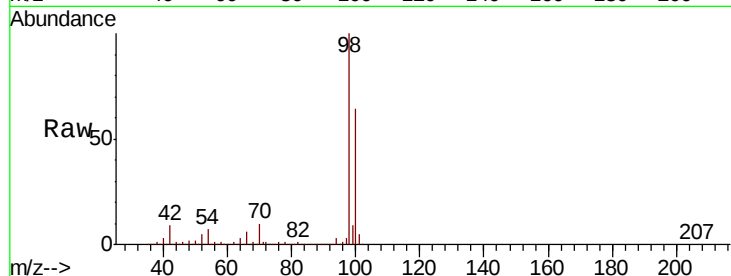
ClientSampled :

Tot Ion: 98 Resp: 2236260

Ion Ratio Lower Upper

98 100

100 63.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN051962.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051975.D (-2494) (-)

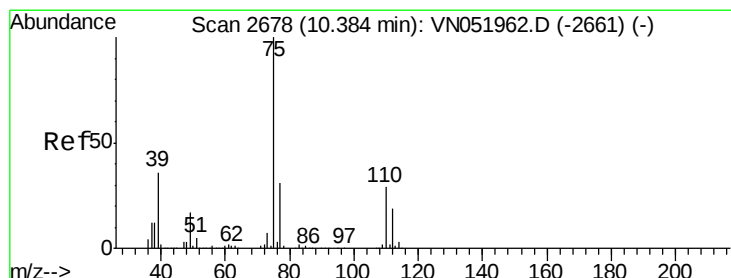
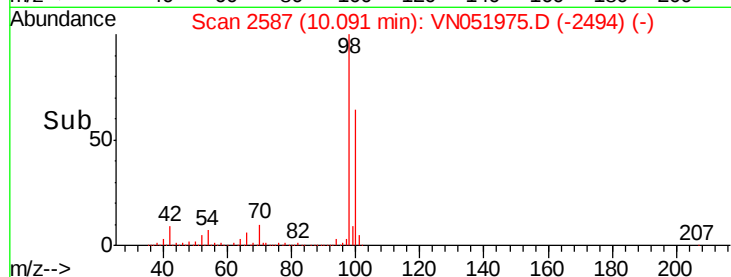
10.09

1000000

500000

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 1.258 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051975.D

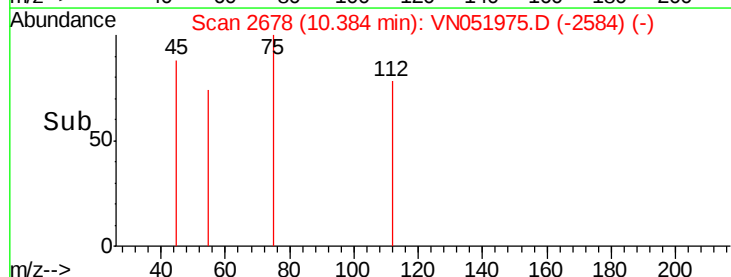
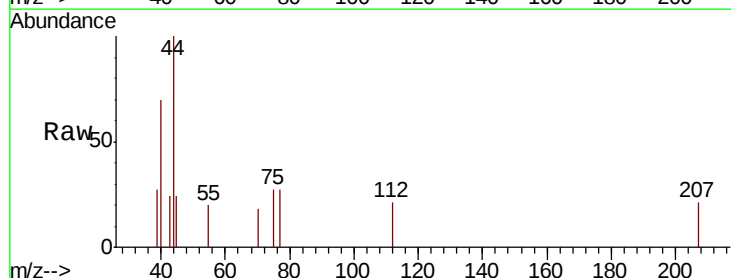
Acq: 24 Oct 2018 9:12

Tgt Ion: 75 Resp: 190

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN051962.D (-2661) (-)

Ion 76.90 (76.60 to 77.60): VN051975.D (-2584) (-)

500

400

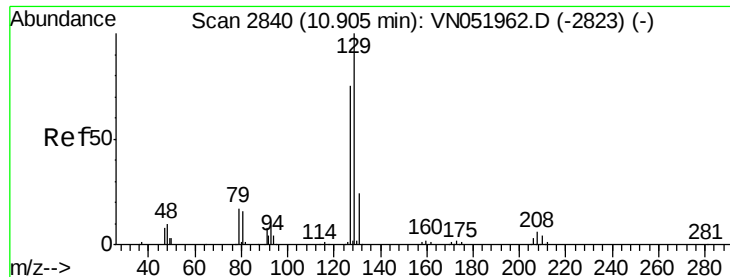
300

200

100

0

Time-->



#60

Dibromochloromethane

Concen: 1.986 ug/l

RT: 10.64 min Scan# 2757

Delta R.T. -0.27 min

Lab File: VN051975.D

Acq: 24 Oct 2018 9:12

Instrument :

MSVOA_N

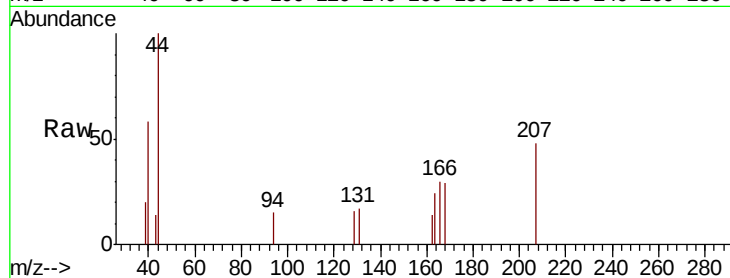
ClientSampleId :

Tot Ion:129 Resp: 104

Ion Ratio Lower Upper

129 100

127 0.0 38.0 114.0#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.64

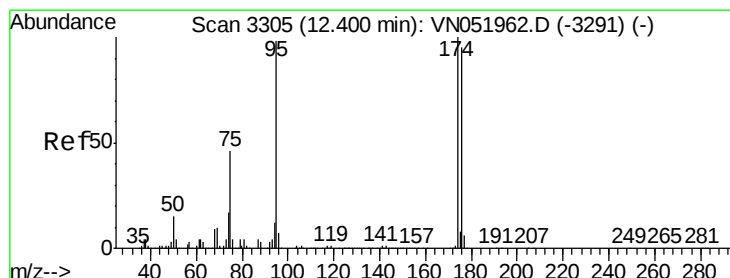
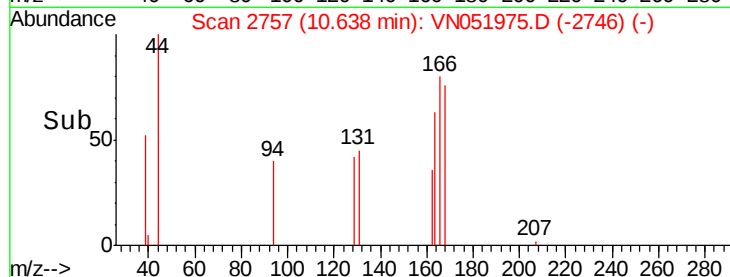
150

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051975.D

Acq: 24 Oct 2018 9:12

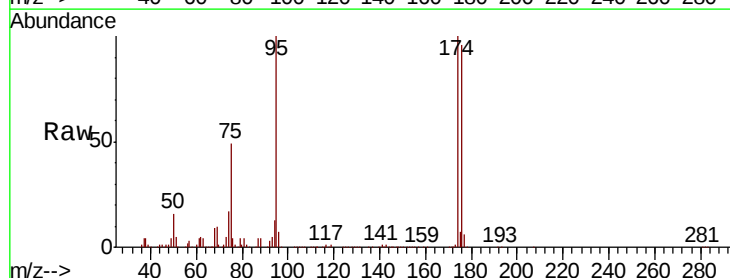
Tgt Ion: 95 Resp: 715005

Ion Ratio Lower Upper

95 100

174 99.8 0.0 206.0

176 95.6 0.0 198.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

600000

500000

400000

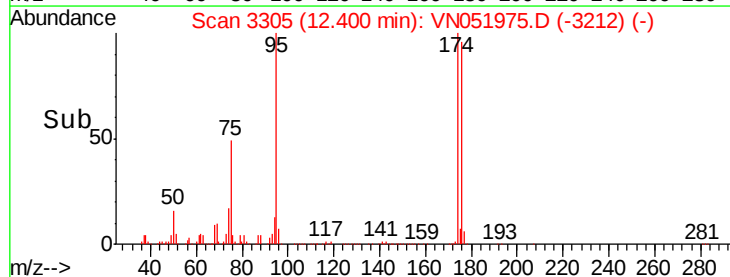
300000

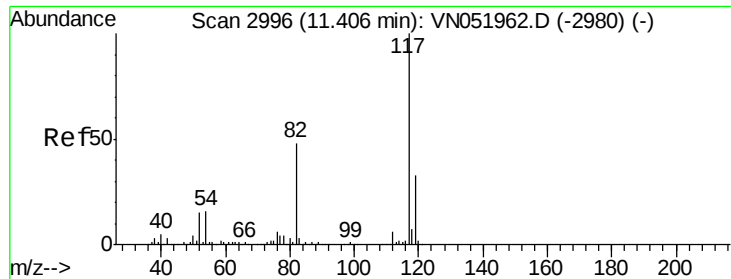
200000

100000

0

Time-->

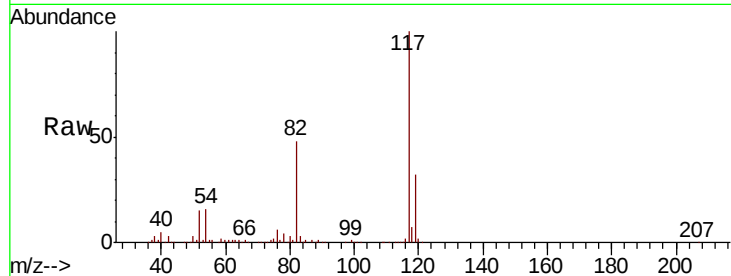




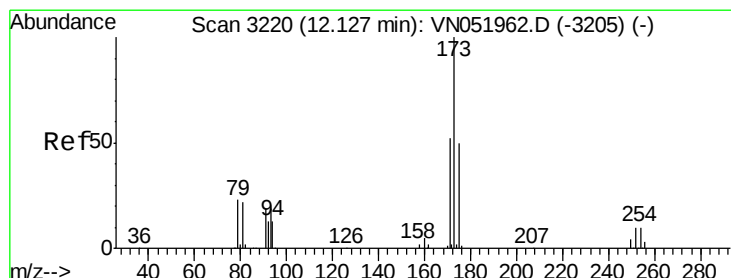
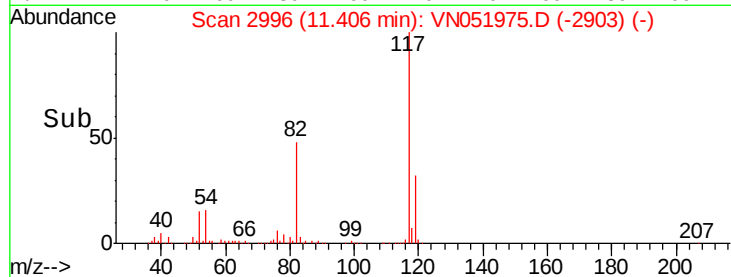
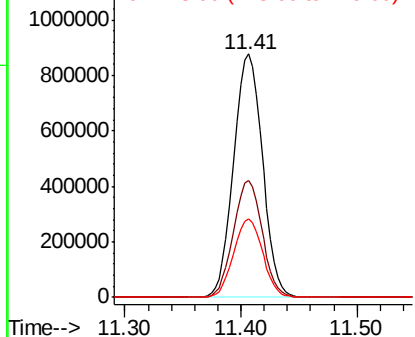
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051975.D
Acq: 24 Oct 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1512283
Ion Ratio Lower Upper
117 100
82 47.8 38.1 57.1
119 32.2 26.4 39.6

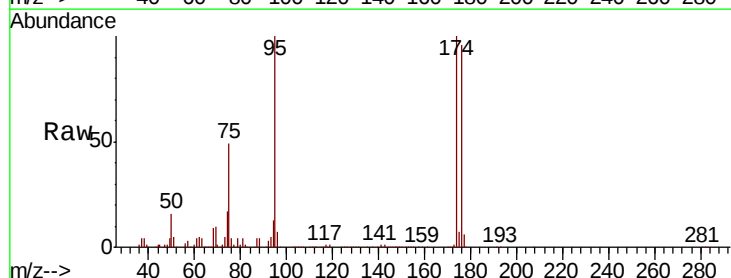


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

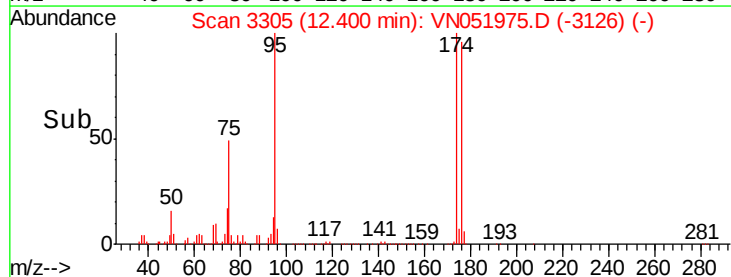
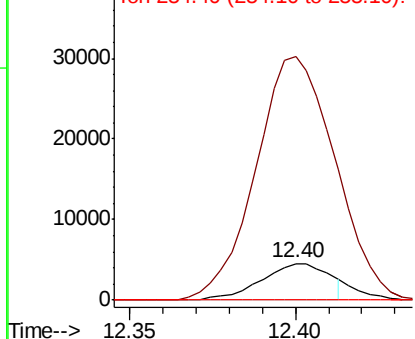


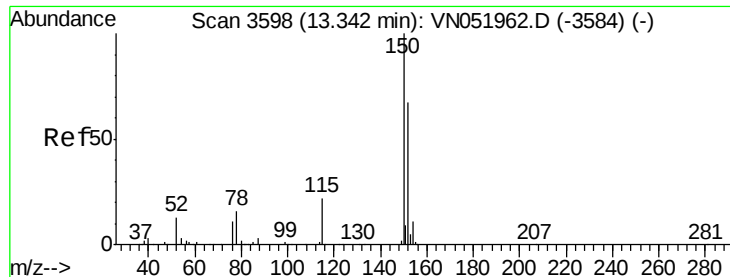
#71
Bromoform
Concen: 4.430 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051975.D
Acq: 24 Oct 2018 9:12

Tgt Ion:173 Resp: 6464
Ion Ratio Lower Upper
173 100
175 702.2 24.6 74.0#
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



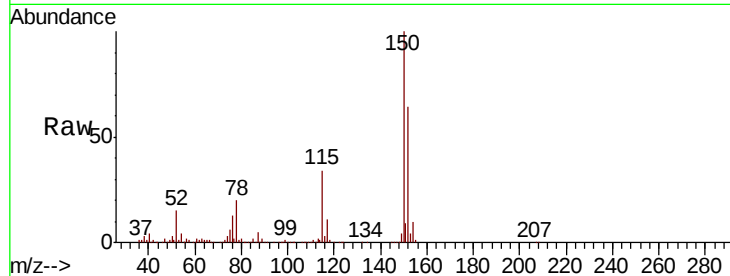


#72

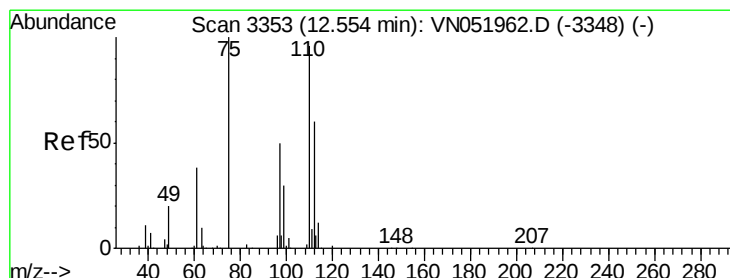
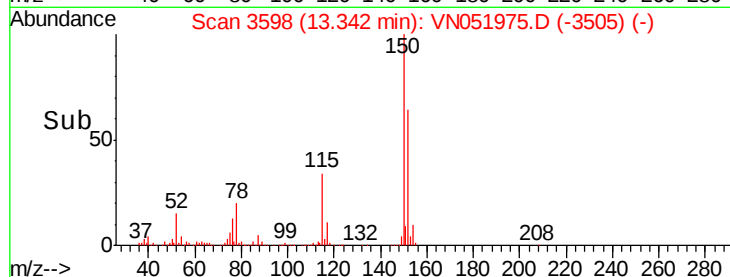
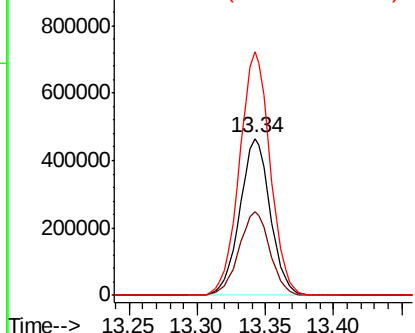
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051975.D
Acq: 24 Oct 2018 9:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.2	25.8	77.3
150	157.3	0.0	344.4



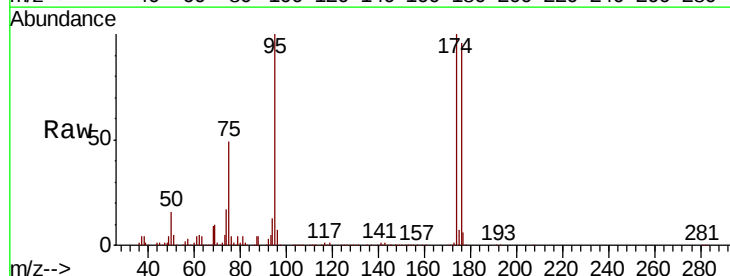
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



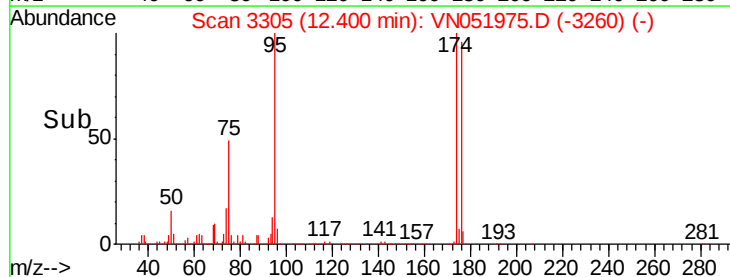
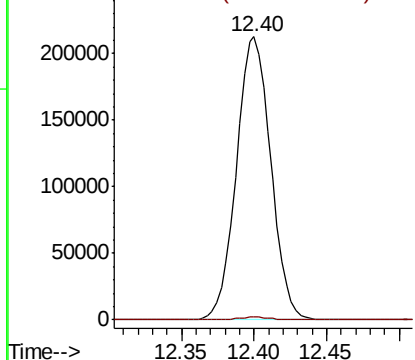
#76

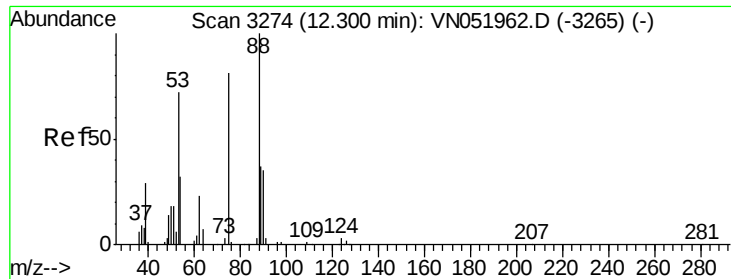
1,2,3-Trichloropropane
Concen: 47.348 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN051975.D
Acq: 24 Oct 2018 9:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.9	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V

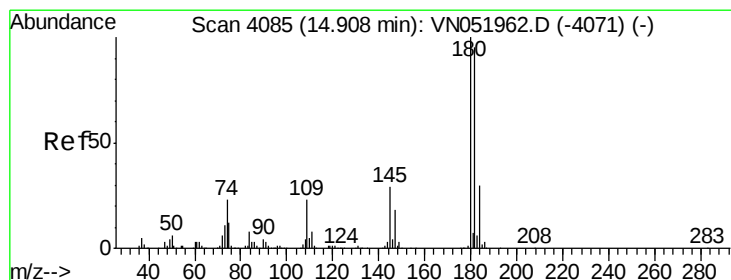
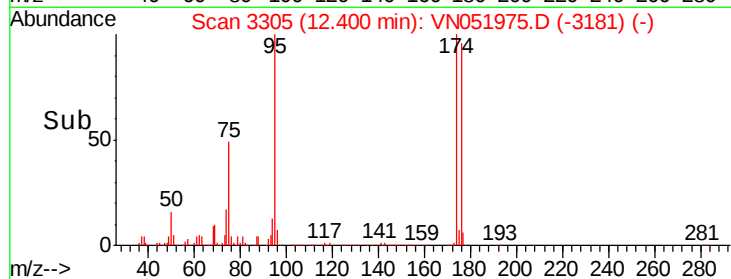
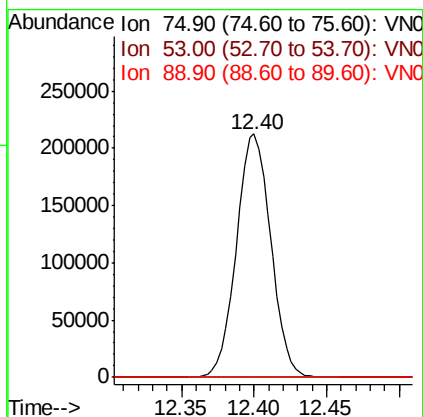
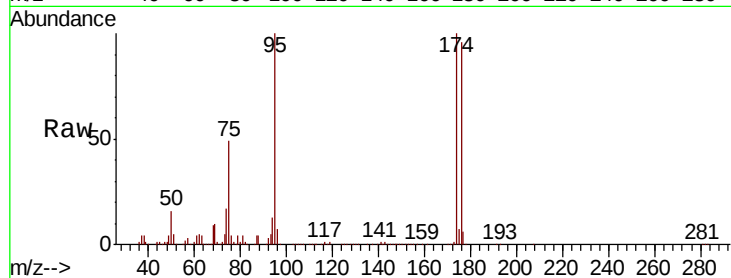




#81
trans-1,4-Dichloro-2-butene
Concen: 148.927 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN051975.D
Acq: 24 Oct 2018 9:12

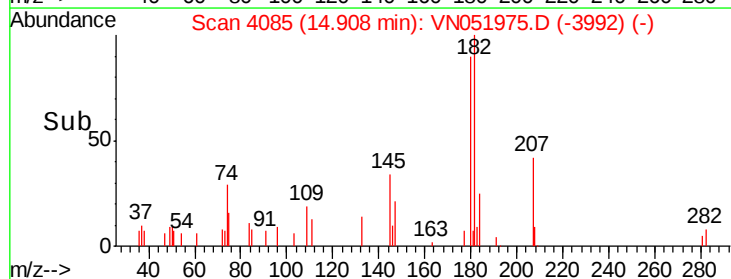
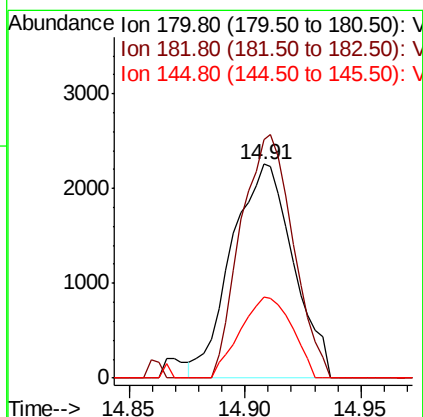
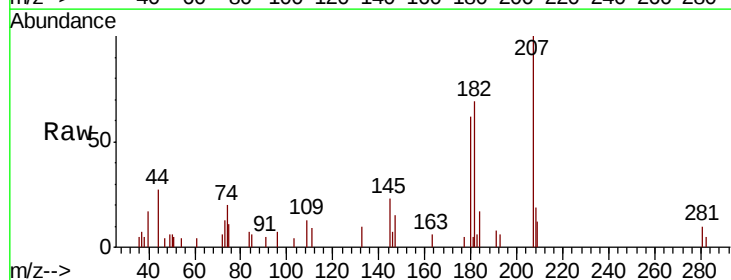
Instrument :
MSVOA_N
ClientSampled :

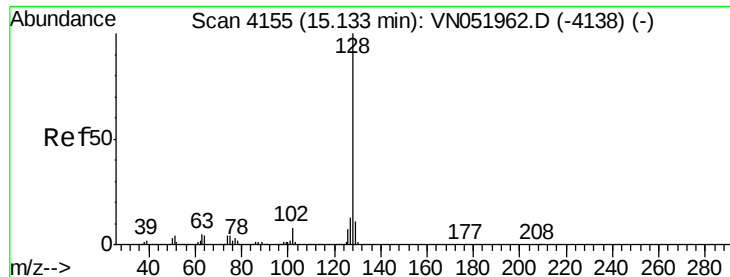
Tot Ion: 75 Resp: 350232
Ion Ratio Lower Upper
75 100
53 0.0 73.5 110.3#
89 0.0 41.6 62.4#



#93
1,2,4-Trichlorobenzene
Concen: 0.316 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN051975.D
Acq: 24 Oct 2018 9:12

Tgt Ion:180 Resp: 4180
Ion Ratio Lower Upper
180 100
182 96.0 47.8 143.4
145 31.7 14.5 43.5





#95

Naphthalene

Concen: 0.328 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051975.D

Acq: 24 Oct 2018 9:12

Instrument :

MSVOA_N

ClientSampleId :

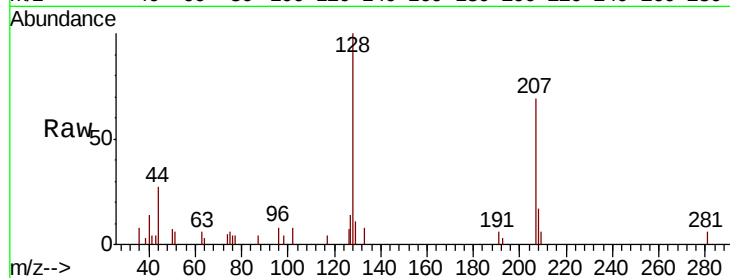
Tot Ion:128 Resp: 9402

Ion Ratio Lower Upper

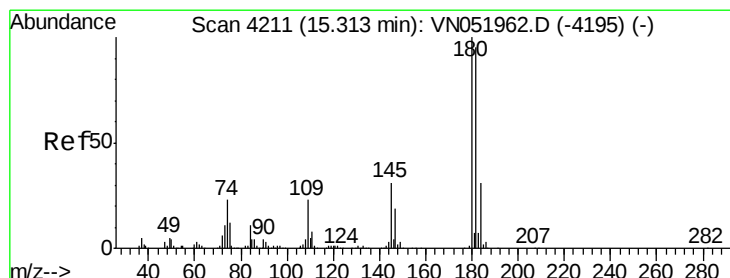
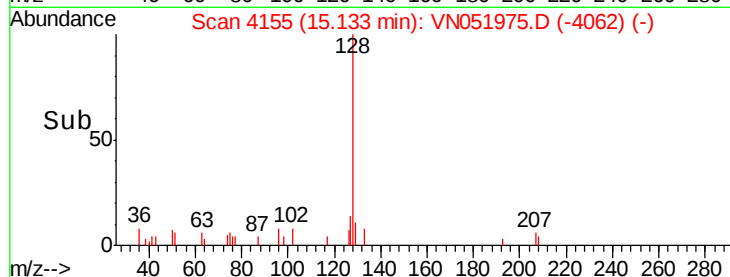
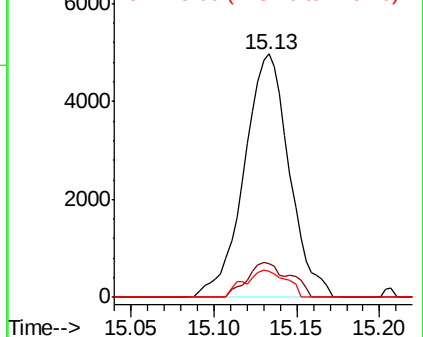
128 100

127 13.2 10.3 15.5

129 10.2 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: 0.383 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051975.D

Acq: 24 Oct 2018 9:12

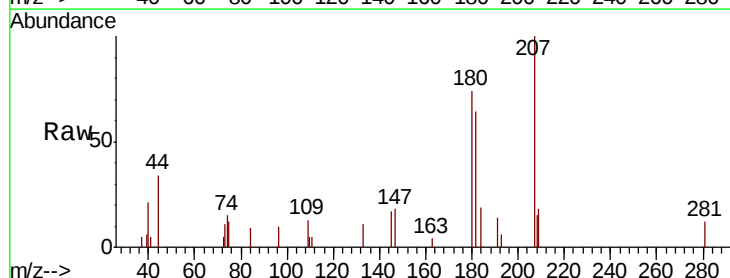
Tgt Ion:180 Resp: 4840

Ion Ratio Lower Upper

180 100

182 89.4 47.9 143.6

145 24.6 15.4 46.2



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

