

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054798.D
 Acq On : 30 Mar 2019 13:19
 Operator : JC/SP
 Sample : K2176-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 30 22:38:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	530717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	874627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	734518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	253601	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	357869	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
35) Dibromofluoromethane	7.59	113	278082	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
50) Toluene-d8	10.09	98	1042986	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
62) 4-Bromofluorobenzene	12.40	95	311208	43.16	ug/l	0.00
Spiked Amount			Recovery	=	86.32%	

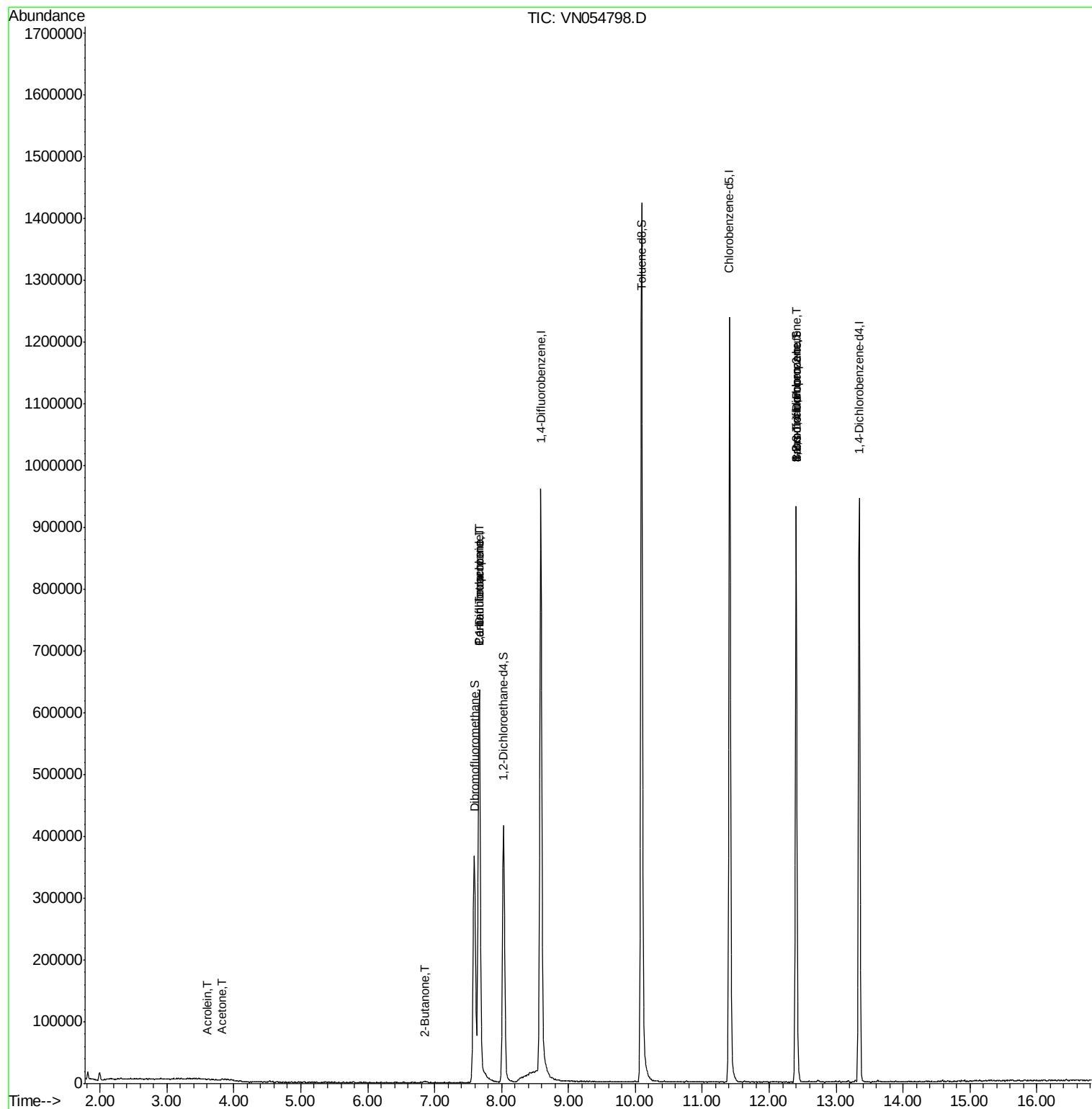
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	236	Below Cal	#	2
13) Acrolein	3.60	56	367	1.101	ug/l #	74
16) Acetone	3.82	43	1249	0.732	ug/l #	38
18) Methyl Acetate	4.33	43	1040	Below Cal	#	49
25) 2-Butanone	6.86	43	585	0.232	ug/l #	46
31) Cyclohexane	7.66	56	11953	Below Cal	#	25
36) 1,1-Dichloropropene	7.66	75	42110	5.167	ug/l #	48
38) Carbon Tetrachloride	7.67	117	50930	6.434	ug/l #	15
71) Bromoform	12.40	173	2235	0.709	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.60	83	60	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	164673	37.378	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	164673	145.390	ug/l #	11
83) tert-Butylbenzene	12.99	119	585	Below Cal	#	69
94) Hexachlorobutadiene	15.02	225	144	Below Cal	#	32

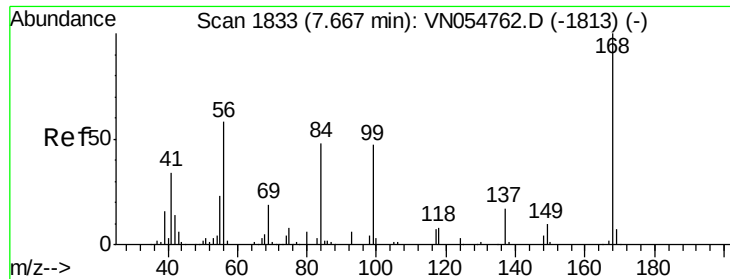
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN033019\
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QLast Update : Sat Mar 30 00:48:18 2019
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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: VN054798.D

Acq: 30 Mar 2019 13:19

Instrument :

MSVOA_N

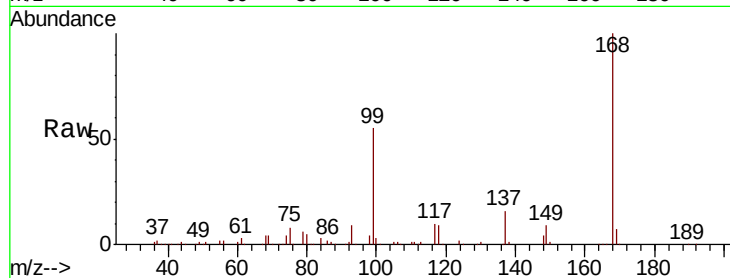
ClientSampleId :

Tot Ion:168 Resp: 530717

Ion Ratio Lower Upper

168 100

99 55.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054762.D

Ion 98.90 (98.60 to 99.60): VN054762.D

7.67

250000

200000

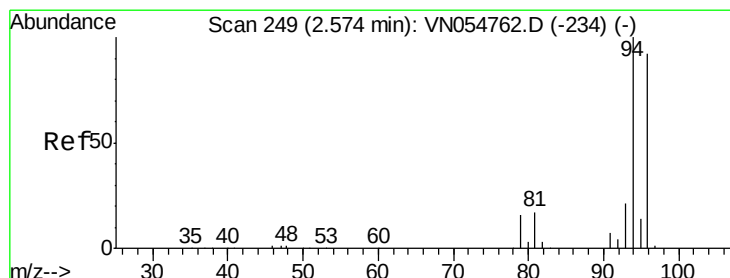
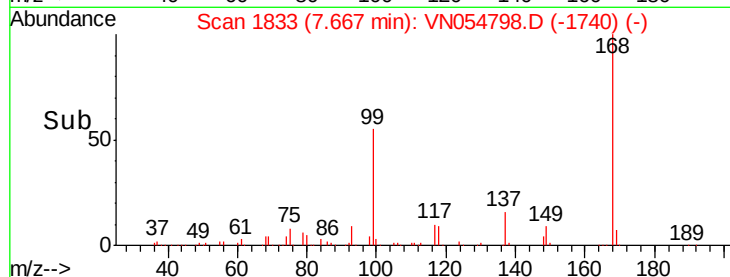
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054798.D

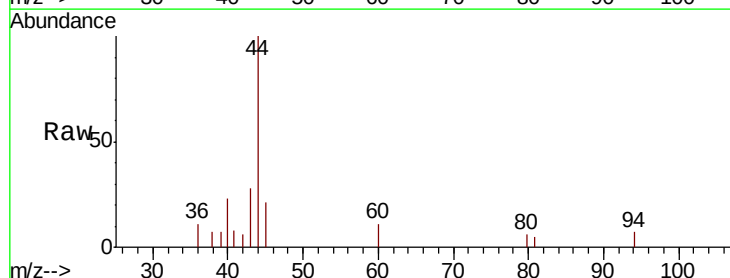
Acq: 30 Mar 2019 13:19

Tgt Ion: 94 Resp: 236

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN054762.D

Ion 95.90 (95.60 to 96.60): VN054762.D

250

200

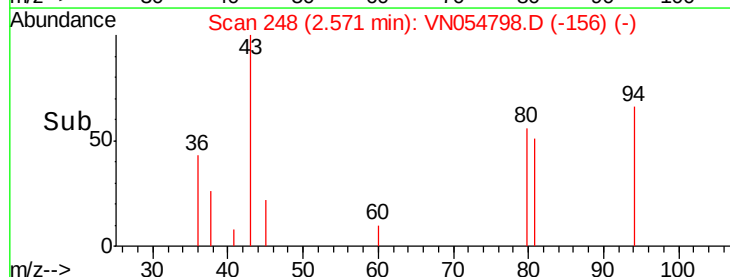
150

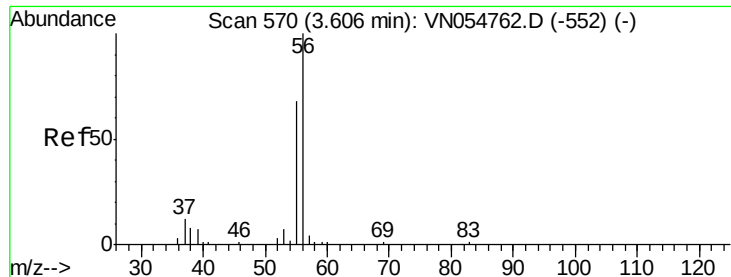
100

50

0

Time-->





#13

Acrolein

Concen: 1.101 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN054798.D

Acq: 30 Mar 2019 13:19

Instrument :

MSVOA_N

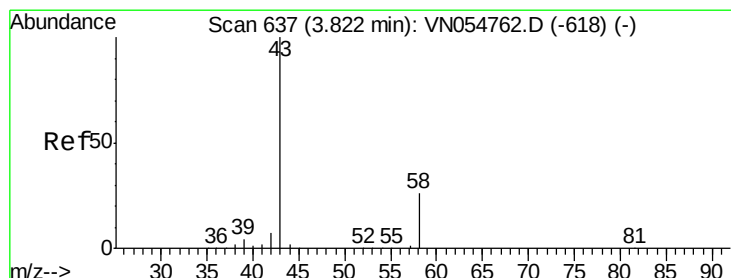
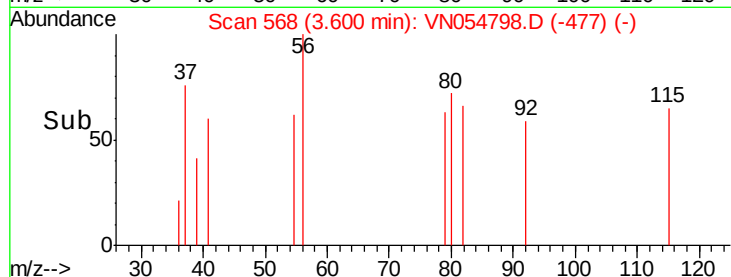
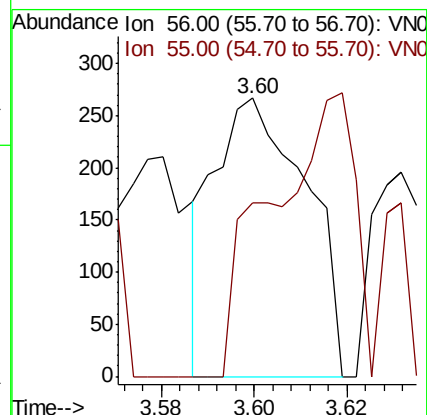
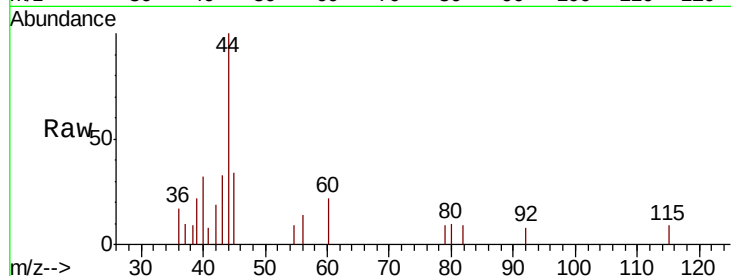
ClientSampleId :

Tot Ion: 56 Resp: 367

Ion Ratio Lower Upper

56 100

55 92.1 56.7 85.1#



#16

Acetone

Concen: 0.732 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054798.D

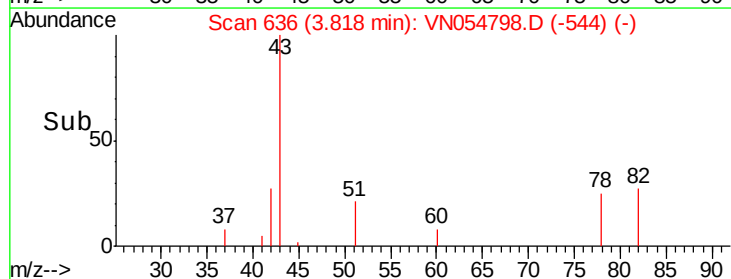
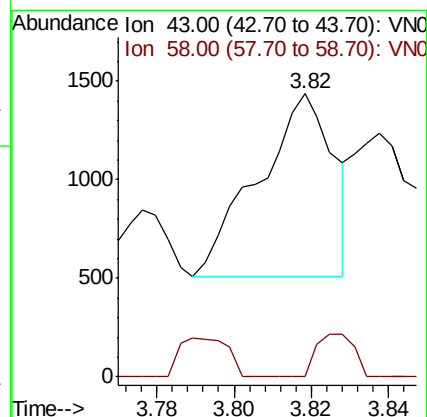
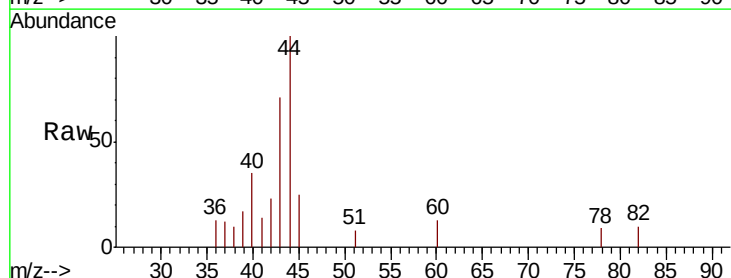
Acq: 30 Mar 2019 13:19

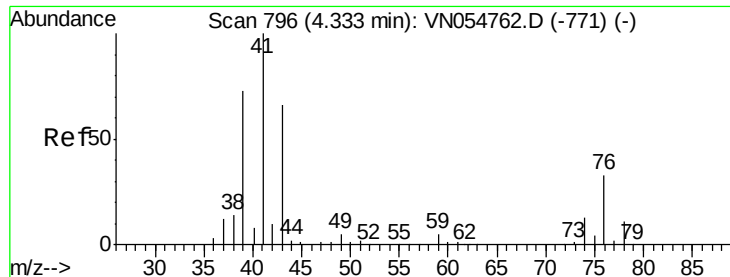
Tgt Ion: 43 Resp: 1249

Ion Ratio Lower Upper

43 100

58 0.0 29.9 44.9#

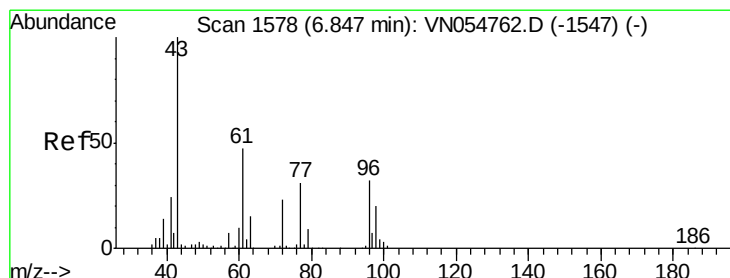
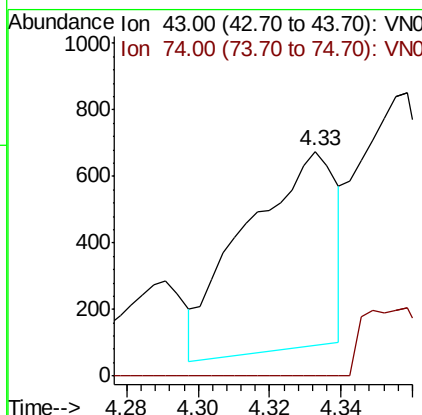
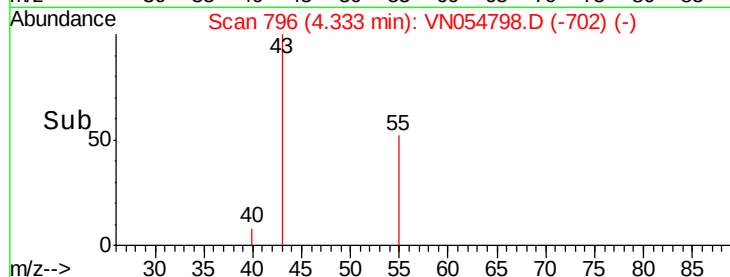
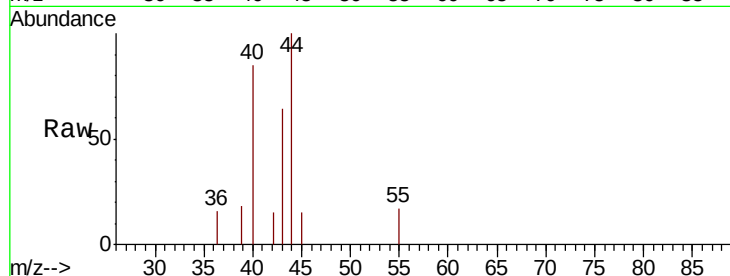




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054798.D
Acq: 30 Mar 2019 13:19

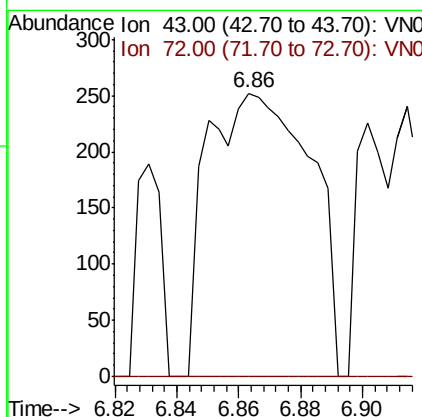
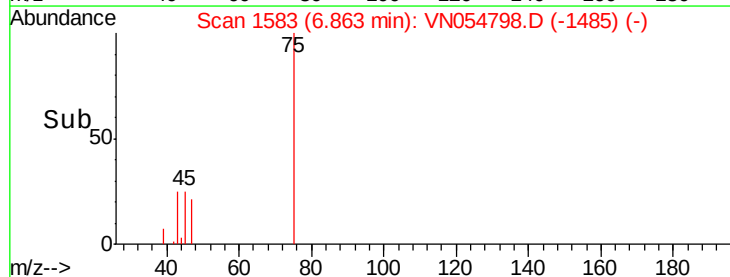
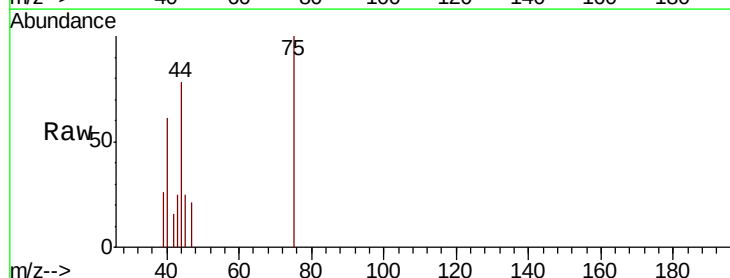
Instrument :
MSVOA_N
ClientSampled :

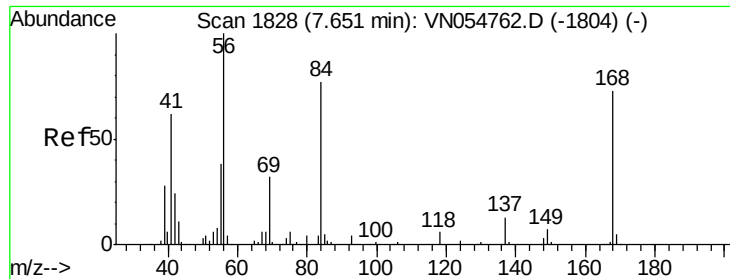
Tot Ion: 43 Resp: 1040
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#25
2-Butanone
Concen: 0.232 ug/l
RT: 6.86 min Scan# 1583
Delta R.T. 0.02 min
Lab File: VN054798.D
Acq: 30 Mar 2019 13:19

Tgt Ion: 43 Resp: 585
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

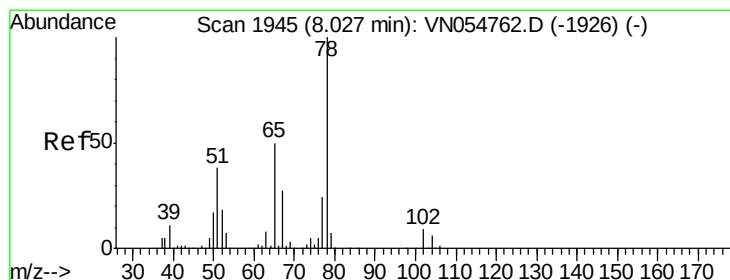
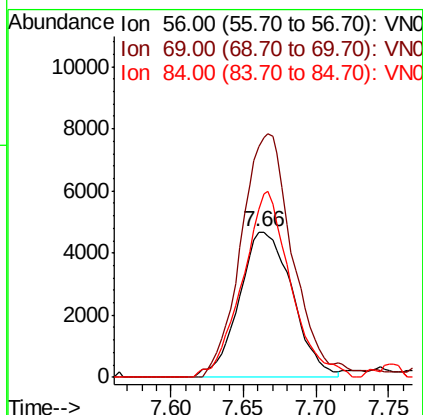
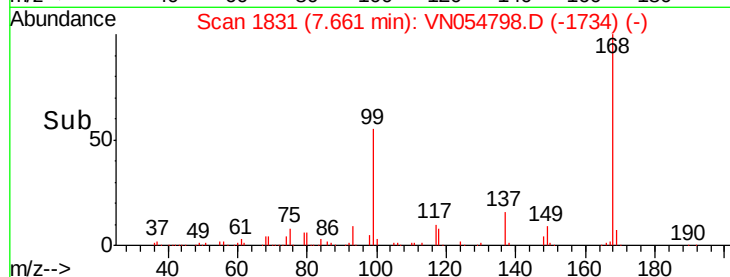
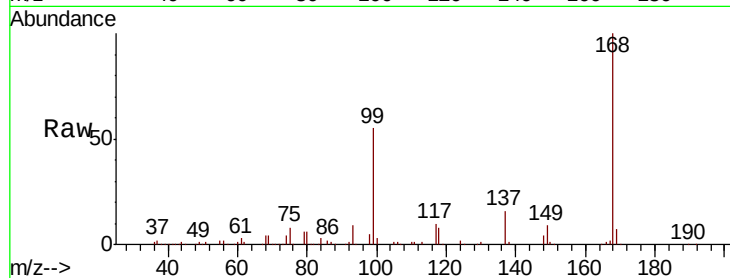
Lab File: VN054798.D

Acq: 30 Mar 2019 13:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 11953

Ion	Ratio	Lower	Upper
56	100		
69	159.0	27.8	41.6#
84	115.6	74.6	111.8#



#33

1,2-Dichloroethane-d4

Concen: 50.022 ug/l

RT: 8.03 min Scan# 1946

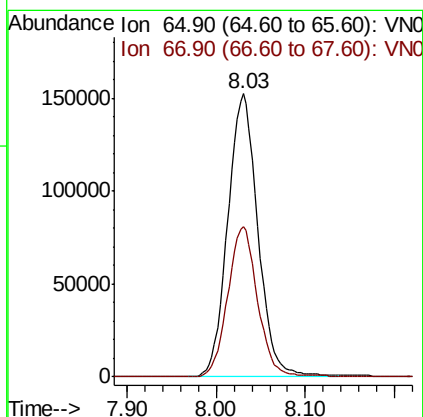
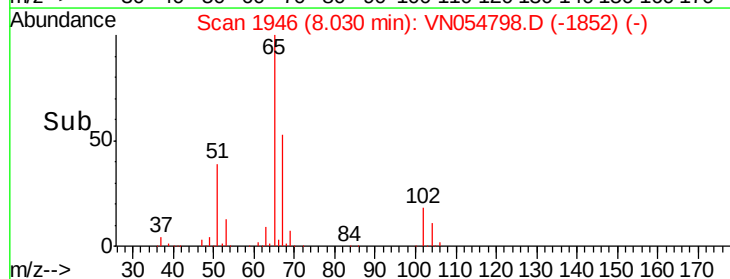
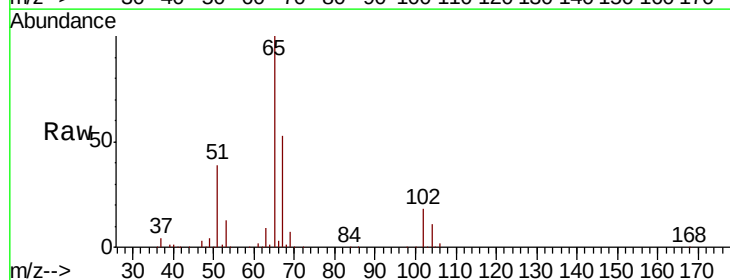
Delta R.T. 0.00 min

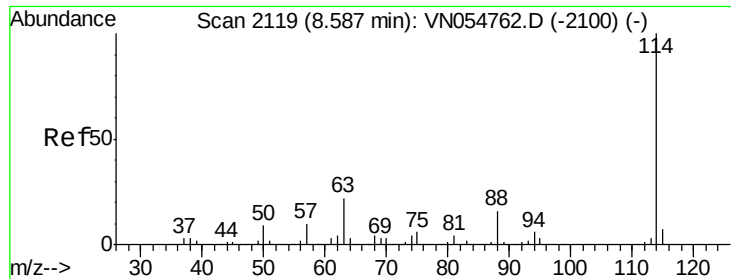
Lab File: VN054798.D

Acq: 30 Mar 2019 13:19

Tgt Ion: 65 Resp: 357869

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.6

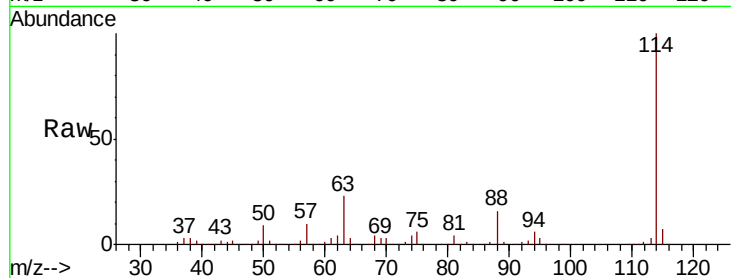




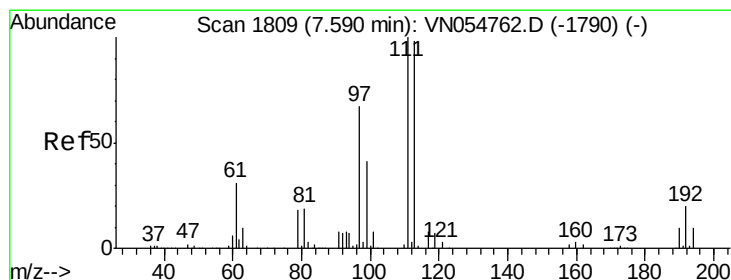
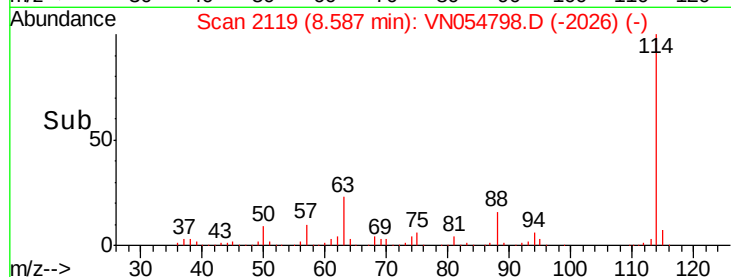
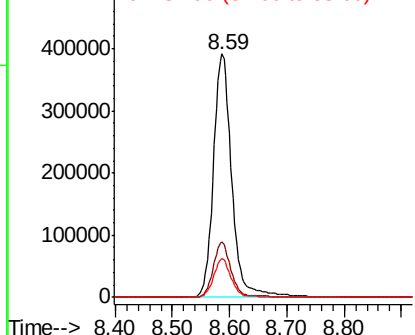
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN054798.D
Acq: 30 Mar 2019 13:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:114 Resp: 874627
Ion Ratio Lower Upper
114 100
63 22.7 0.0 35.2
88 15.9 0.0 30.2

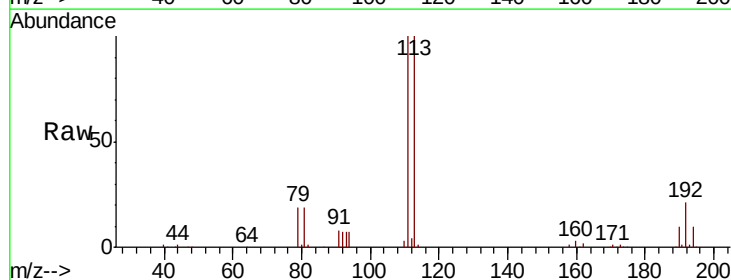


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

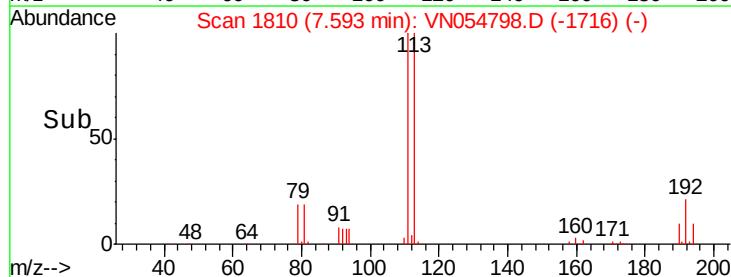
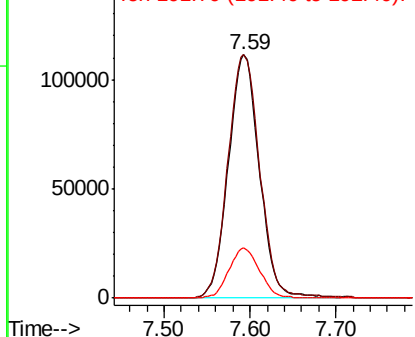


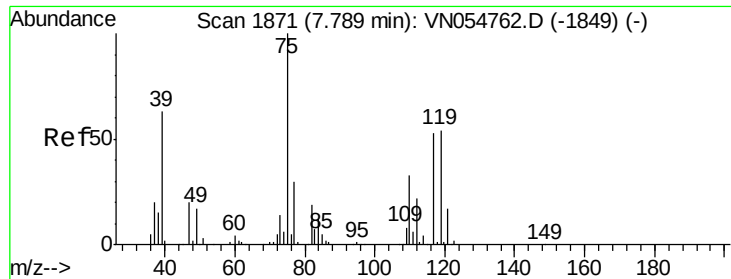
#35
Dibromofluoromethane
Concen: 47.690 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054798.D
Acq: 30 Mar 2019 13:19

Tgt Ion:113 Resp: 278082
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.4
192 20.6 19.2 28.8



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

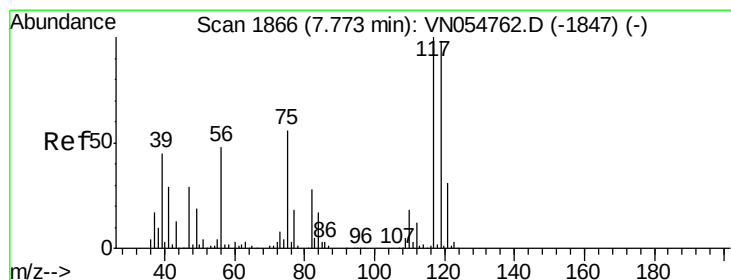
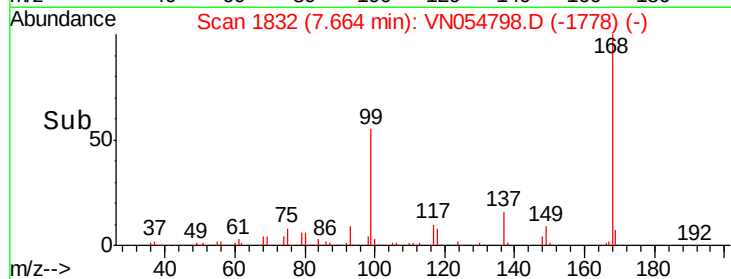
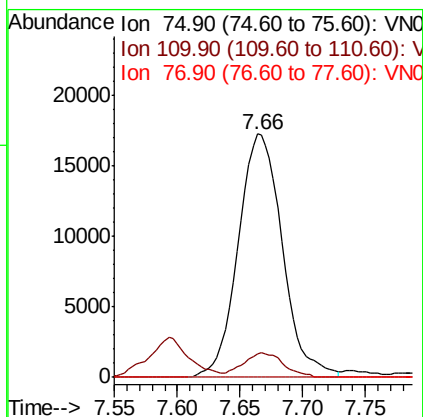
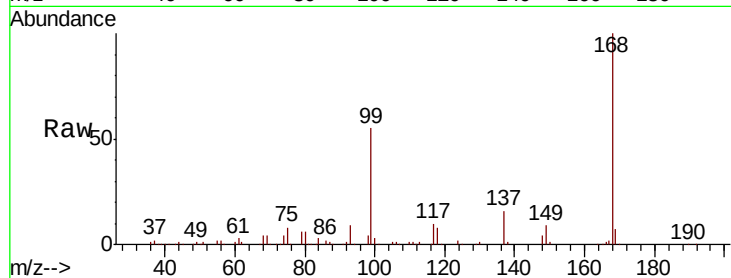




#36
 1,1-Dichloropropene
 Concen: 5.167 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054798.D
 Acq: 30 Mar 2019 13:19

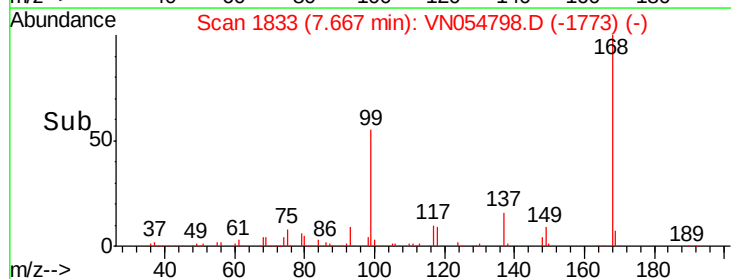
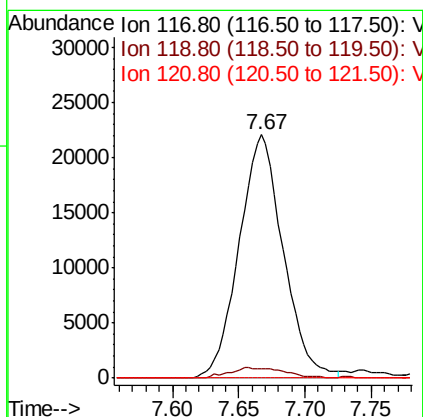
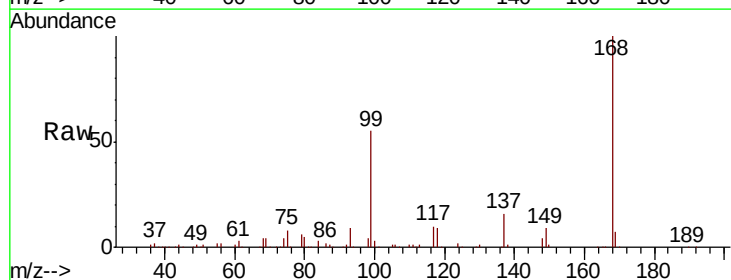
Instrument :
 MSVOA_N
 ClientSampled :

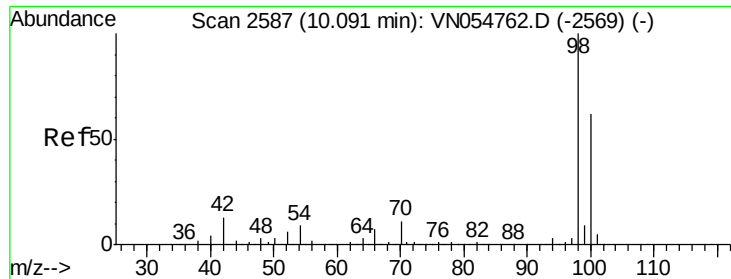
Tot Ion: 75 Resp: 42110
 Ion Ratio Lower Upper
 75 100
 110 9.3 19.1 57.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.434 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN054798.D
 Acq: 30 Mar 2019 13:19

Tgt Ion: 117 Resp: 50930
 Ion Ratio Lower Upper
 117 100
 119 4.1 76.3 114.5#
 121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 48.111 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054798.D

Acq: 30 Mar 2019 13:19

Instrument :

MSVOA_N

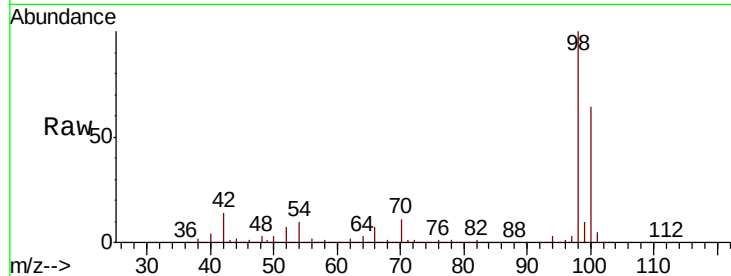
ClientSampleId :

Tot Ion: 98 Resp: 1042986

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

500000

400000

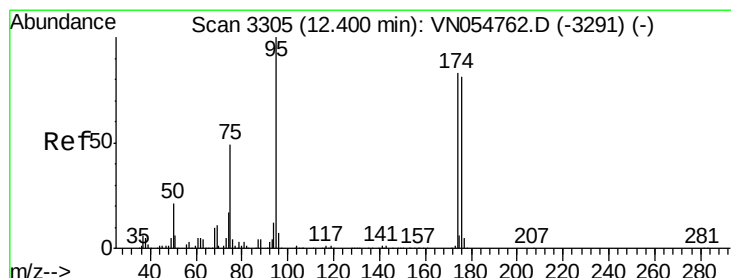
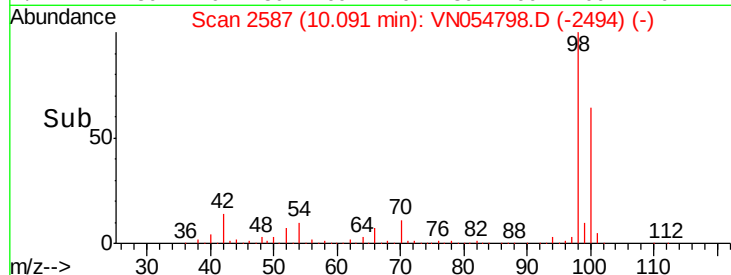
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.165 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054798.D

Acq: 30 Mar 2019 13:19

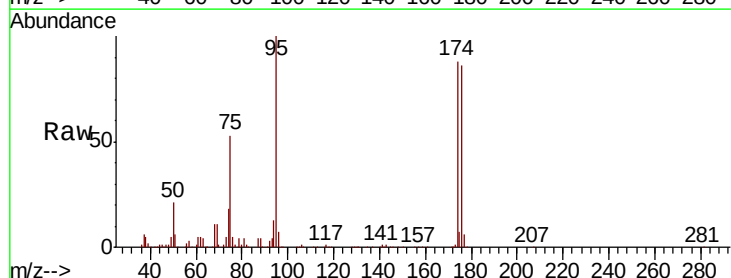
Tgt Ion: 95 Resp: 311208

Ion Ratio Lower Upper

95 100

174 84.9 0.0 191.0

176 83.0 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

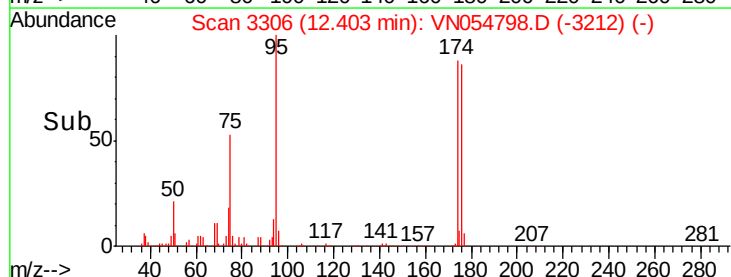
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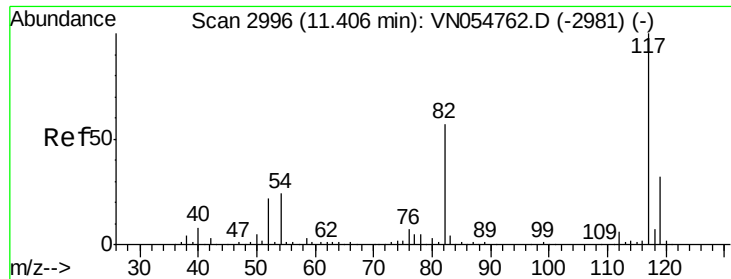
100000

50000

0

Time-->

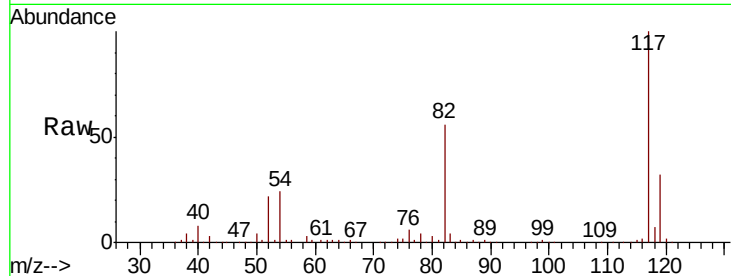




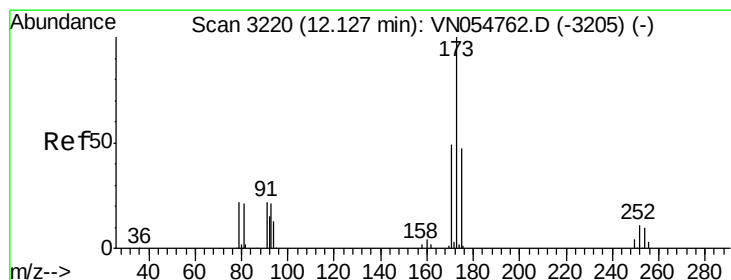
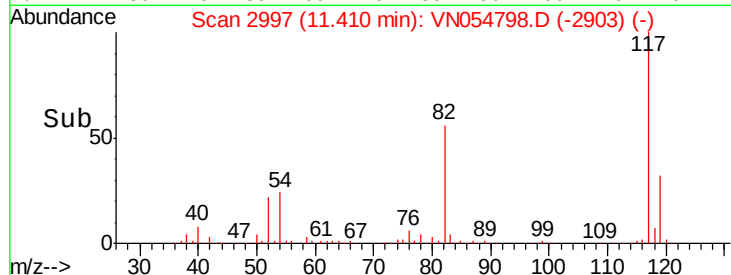
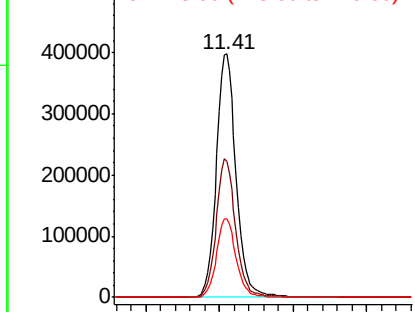
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054798.D
Acq: 30 Mar 2019 13:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 734518
Ion Ratio Lower Upper
117 100
82 56.0 40.0 60.0
119 32.0 25.8 38.6

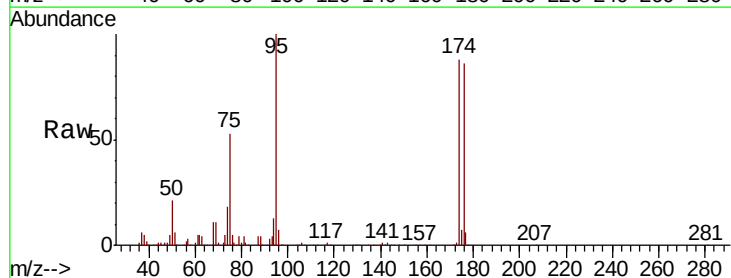


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

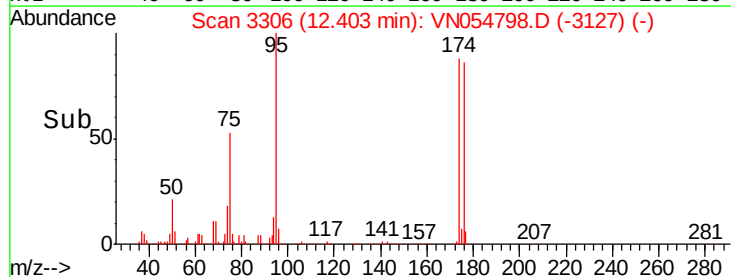
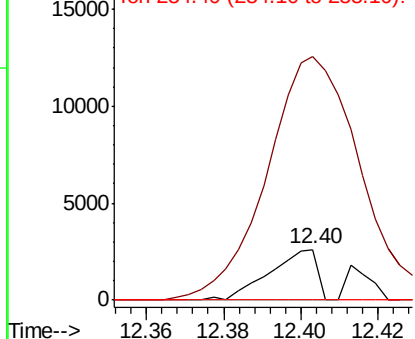


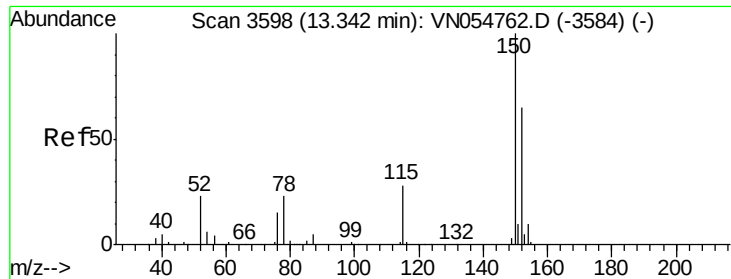
#71
Bromoform
Concen: 0.709 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054798.D
Acq: 30 Mar 2019 13:19

Tgt Ion:173 Resp: 2235
Ion Ratio Lower Upper
173 100
175 785.7 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

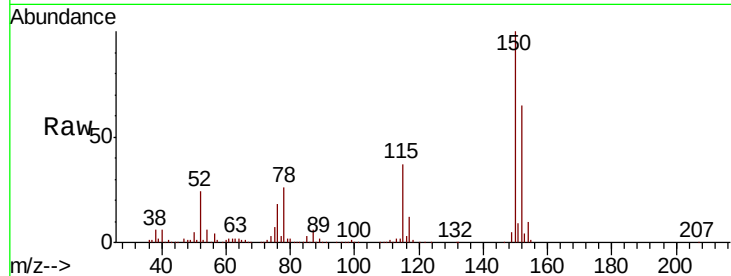




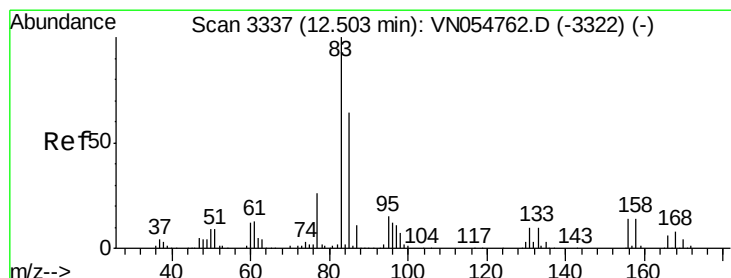
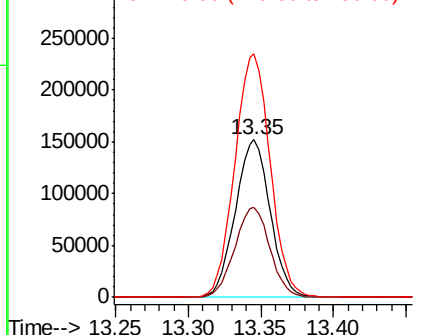
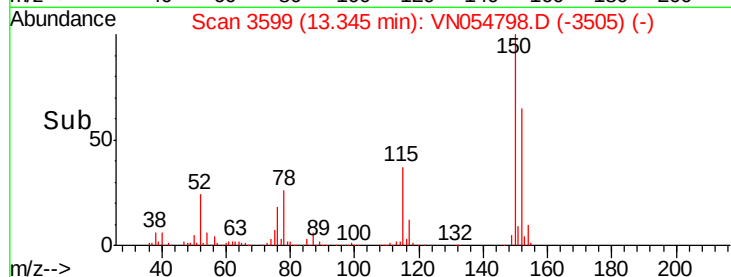
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. 0.00 min
 Lab File: VN054798.D
 Acq: 30 Mar 2019 13:19

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:152 Resp: 253601
 Ion Ratio Lower Upper
 152 100
 115 57.7 27.2 81.6
 150 157.4 0.0 349.2

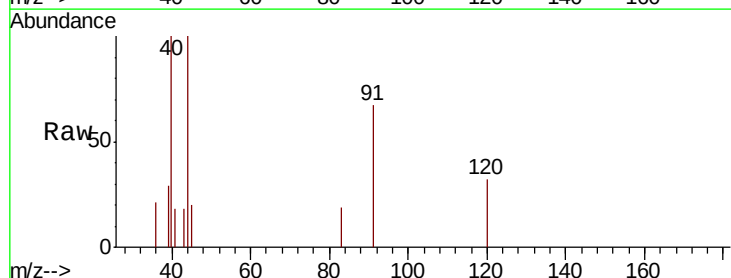


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

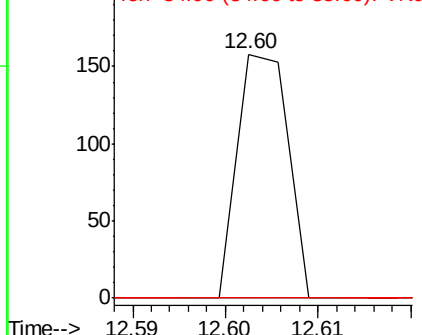
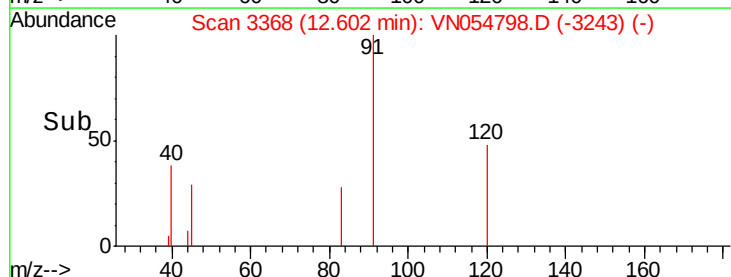


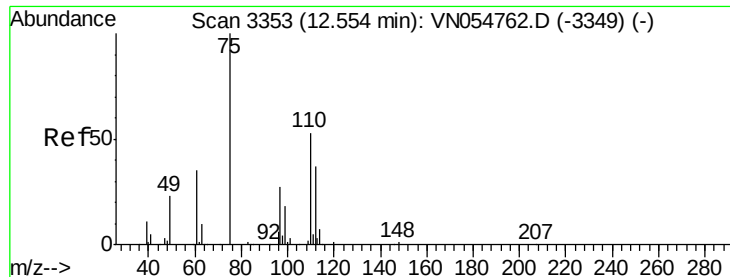
#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.60 min Scan# 3368
 Delta R.T. 0.10 min
 Lab File: VN054798.D
 Acq: 30 Mar 2019 13:19

Tgt Ion: 83 Resp: 60
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.8 17.4#
 85 0.0 32.2 96.6#



Abundance Ion 82.90 (82.60 to 83.60): V
 Ion 130.80 (130.50 to 131.50): V
 Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 37.378 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN054798.D

Acq: 30 Mar 2019 13:19

Instrument :

MSVOA_N

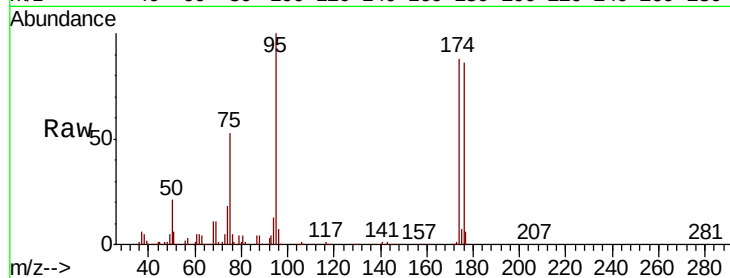
ClientSampled :

Tot Ion: 75 Resp: 164673

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

100000

80000

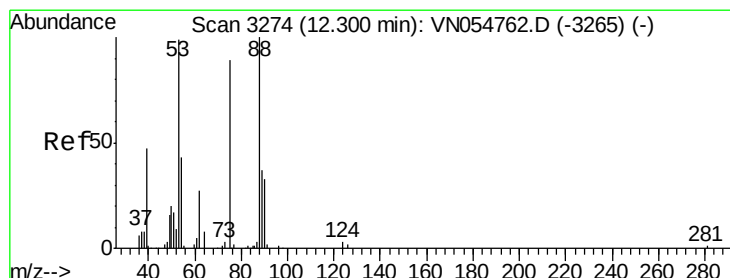
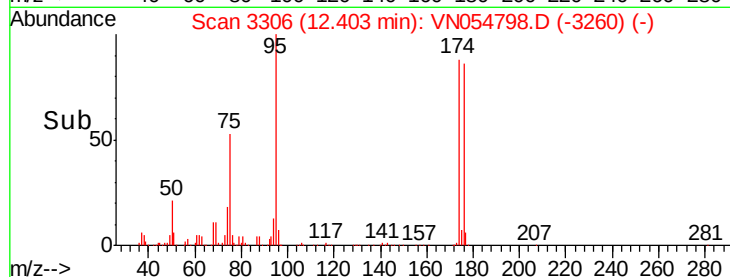
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 145.390 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN054798.D

Acq: 30 Mar 2019 13:19

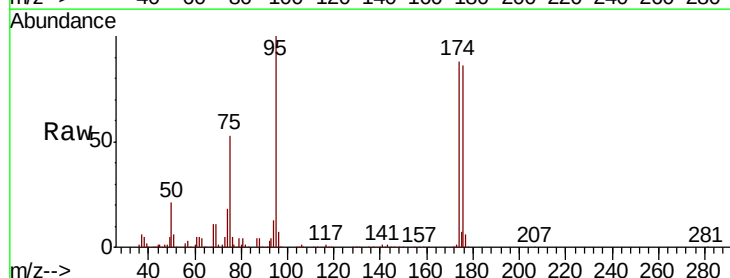
Tgt Ion: 75 Resp: 164673

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



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

12.40

120000

100000

80000

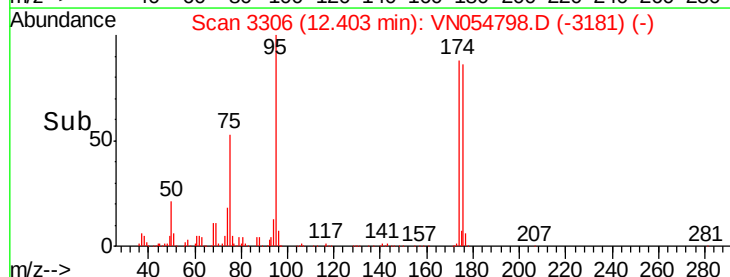
60000

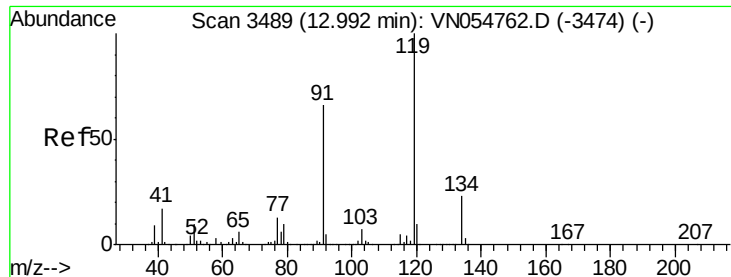
40000

20000

0

Time--> 12.30 12.40 12.50

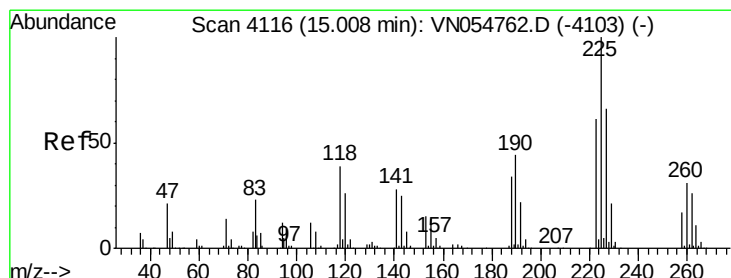
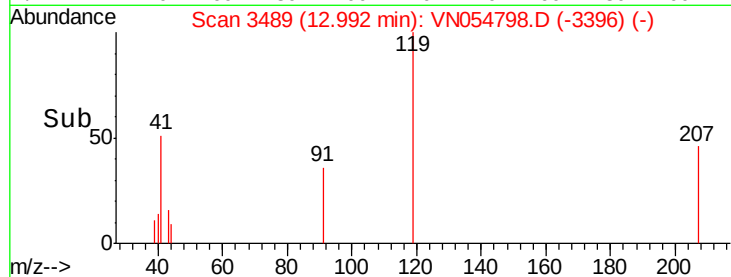
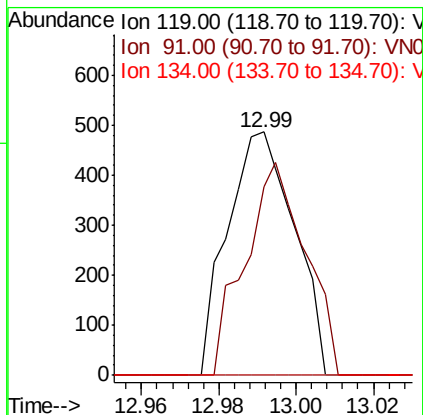
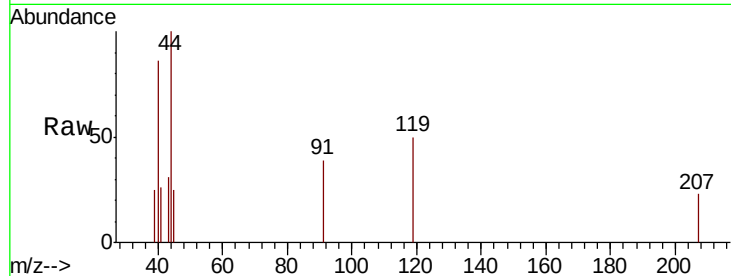




#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054798.D
Acq: 30 Mar 2019 13:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 585
Ion Ratio Lower Upper
119 100
91 79.1 30.9 92.8
134 0.0 13.2 39.6#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.02 min Scan# 4119
Delta R.T. 0.01 min
Lab File: VN054798.D
Acq: 30 Mar 2019 13:19

Tgt Ion:225 Resp: 144
Ion Ratio Lower Upper
225 100
223 20.8 31.1 93.5#
227 0.0 31.9 95.9#

