

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102919\
 Data File : VN058997.D
 Acq On : 29 Oct 2019 10:14
 Operator : JC/SP
 Sample : VN1029MBL01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 03:53:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	429213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	667172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	572058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	207234	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	287638	45.69	ug/l	0.00
Spiked Amount			Recovery	=	91.38%	
35) Dibromofluoromethane	7.57	113	209868	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
50) Toluene-d8	10.08	98	807761	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
62) 4-Bromofluorobenzene	12.40	95	252533	40.39	ug/l	0.00
Spiked Amount			Recovery	=	80.78%	

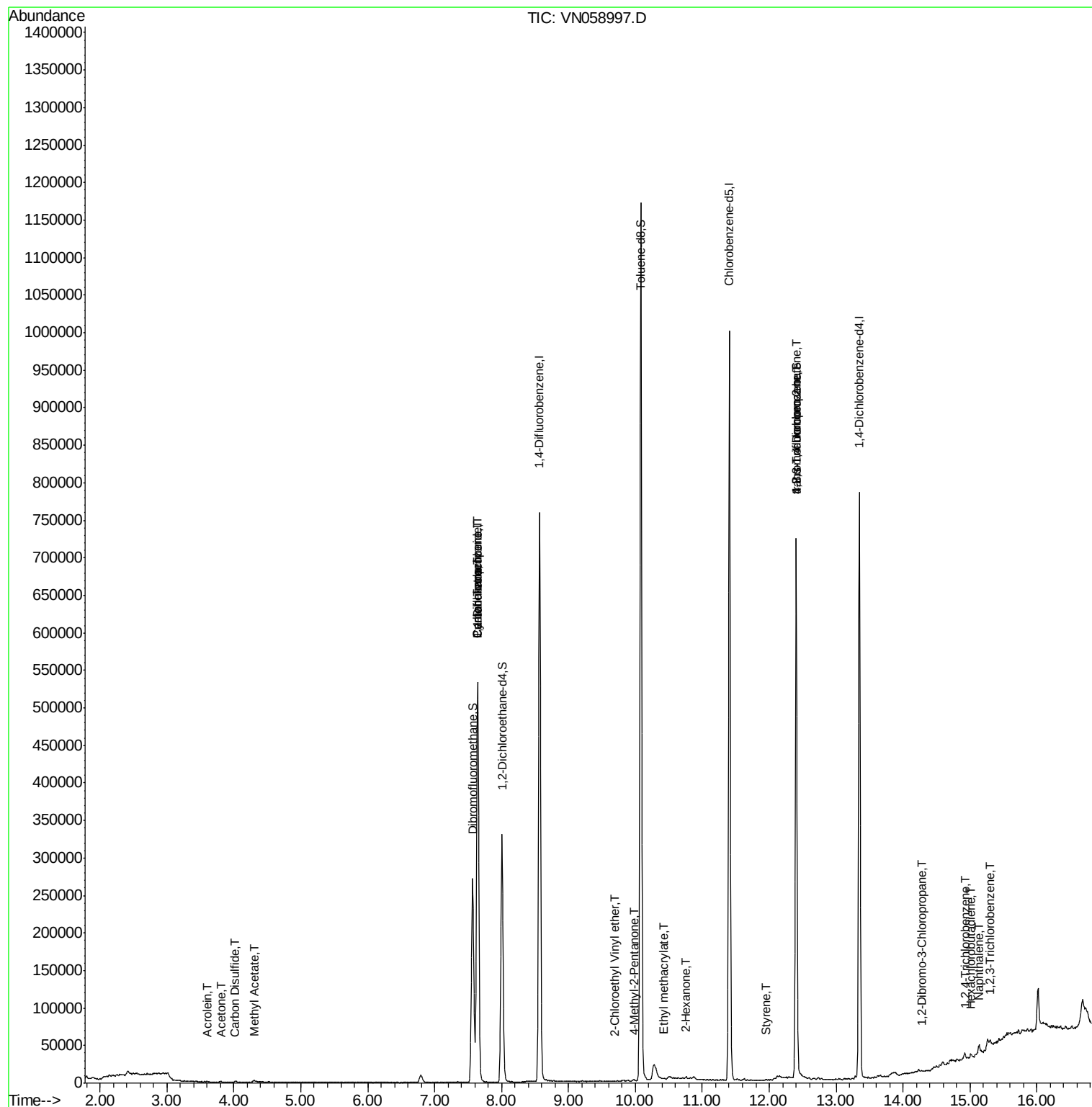
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.59	56	180	0.251	ug/l #	1
16) Acetone	3.80	43	1302	0.419	ug/l #	46
17) Carbon Disulfide	4.03	76	2997	0.220	ug/l #	75
18) Methyl Acetate	4.31	43	3844	0.544	ug/l #	72
31) Cyclohexane	7.64	56	9390	1.038	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	35381	5.180	ug/l #	50
38) Carbon Tetrachloride	7.64	117	41277	5.866	ug/l #	17
51) 4-Methyl-2-Pentanone	9.97	43	1443	0.207	ug/l #	63
56) Ethyl methacrylate	10.43	69	29	2.101	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.69	63	30	5.672	ug/l #	50
59) 2-Hexanone	10.76	43	1540	0.286	ug/l	90
70) Styrene	11.96	104	485	1.749	ug/l	91
76) 1,2,3-Trichloropropane	12.40	75	131555	27.391	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	131555	71.355	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.27	75	491	0.408	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.91	180	2249	3.038	ug/l	97
94) Hexachlorobutadiene	15.02	225	740	0.348	ug/l #	79
95) Naphthalene	15.13	128	7944	2.865	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.30	180	3428	3.206	ug/l	87

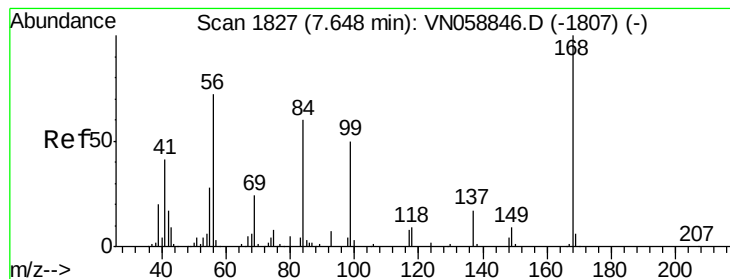
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN102919\
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 30 03:53:26 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN058997.D

Acq: 29 Oct 2019 10:14

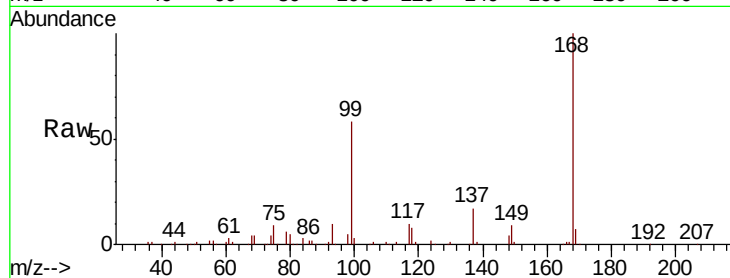
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 429213

Ion Ratio Lower Upper

168 100

99 58.3 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

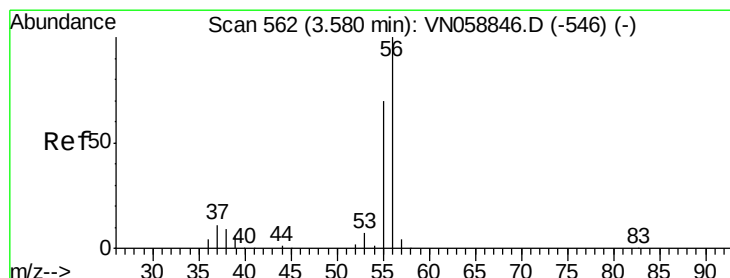
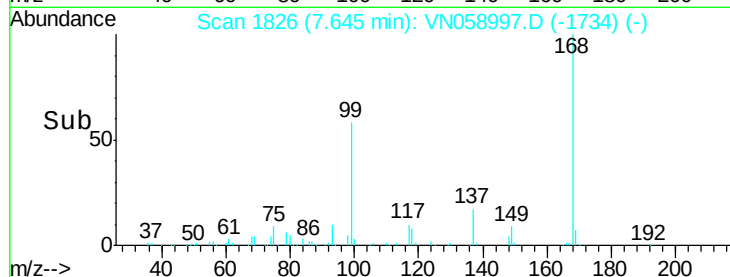
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#13

Acrolein

Concen: 0.251 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN058997.D

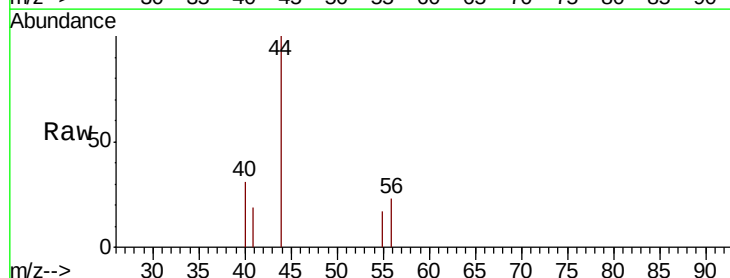
Acq: 29 Oct 2019 10:14

Tgt Ion: 56 Resp: 180

Ion Ratio Lower Upper

56 100

55 190.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.59

250

200

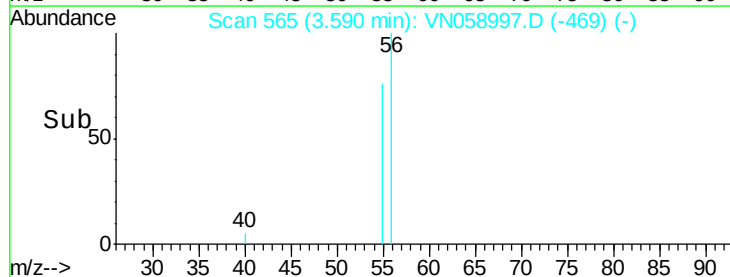
150

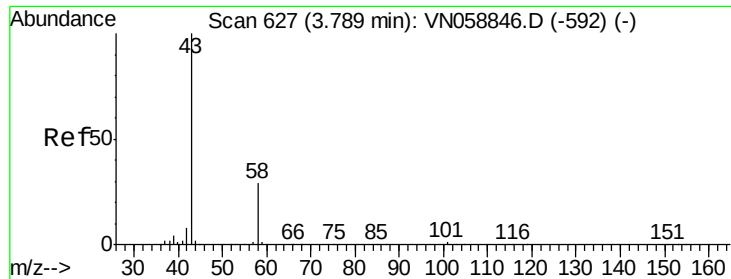
100

50

0

Time--> 3.57 3.58 3.59 3.60 3.61





#16

Acetone

Concen: 0.419 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058997.D

Acq: 29 Oct 2019 10:14

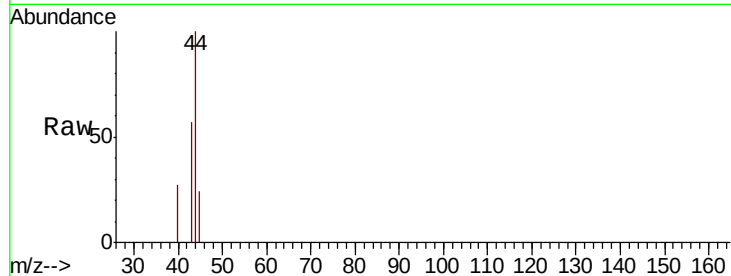
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1302

Ion Ratio Lower Upper

43 100

58 0.0 23.1 34.7#

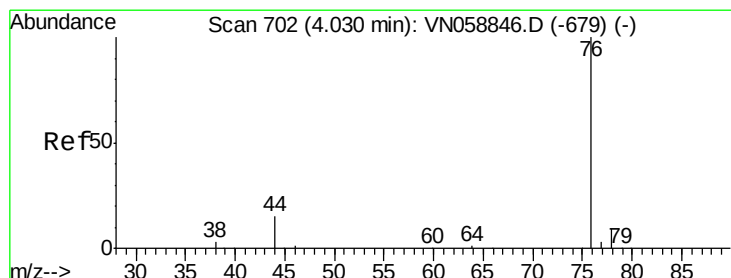
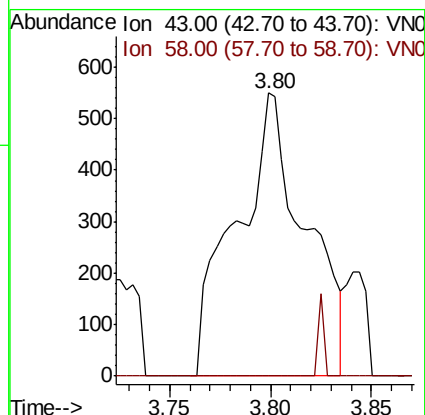
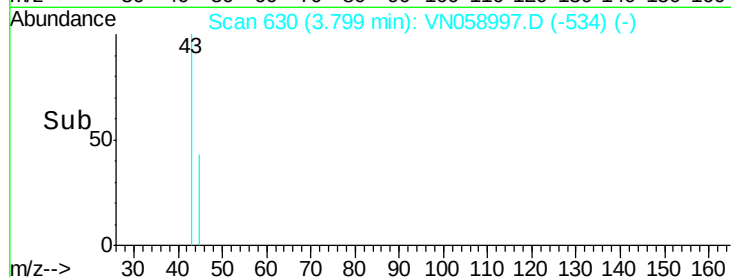


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.80

3.85



#17

Carbon Disulfide

Concen: 0.220 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058997.D

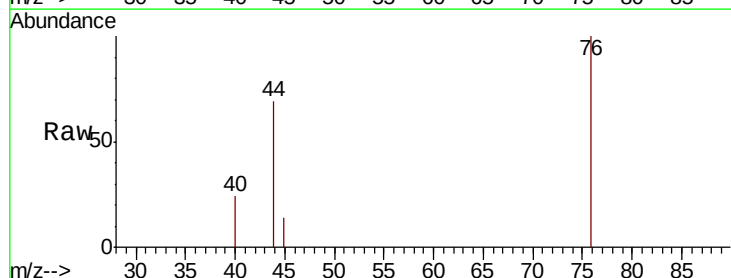
Acq: 29 Oct 2019 10:14

Tgt Ion: 76 Resp: 2997

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

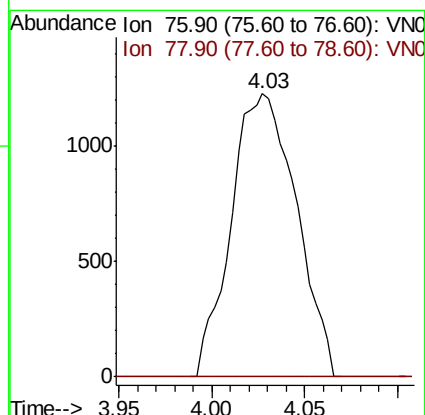
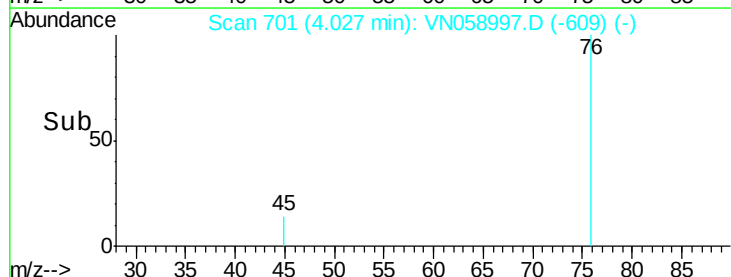


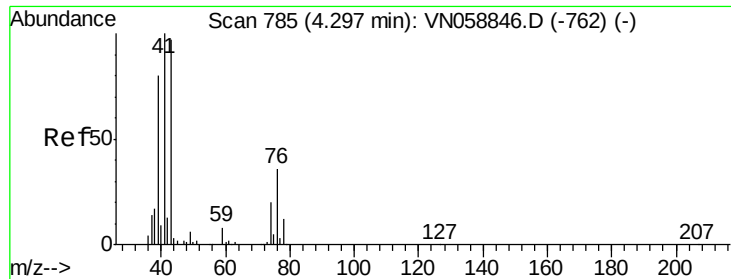
Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

4.05

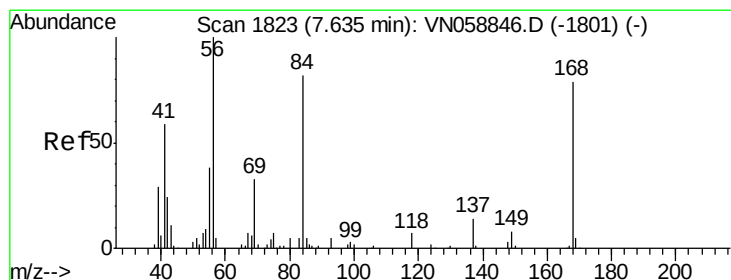
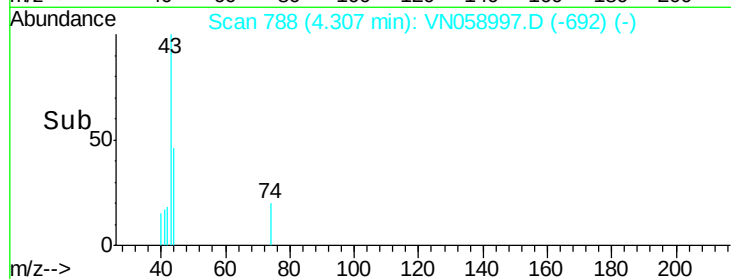
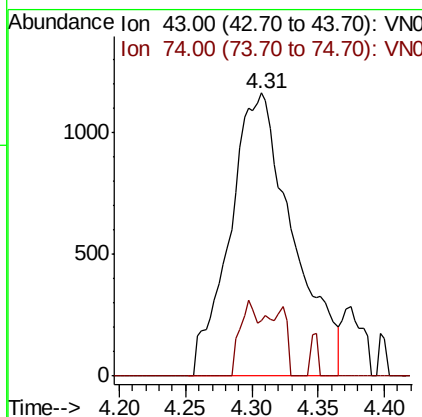
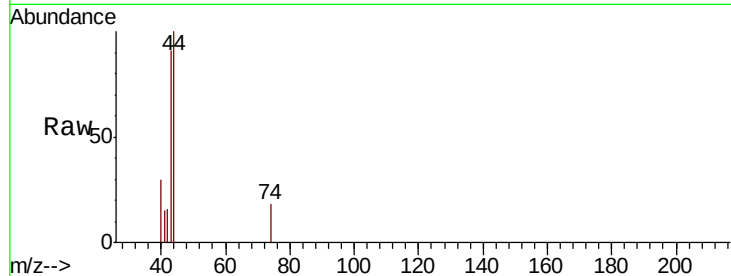




#18
Methyl Acetate
Concen: 0.544 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058997.D
Acq: 29 Oct 2019 10:14

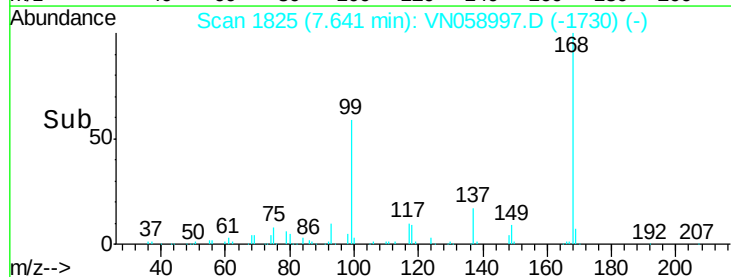
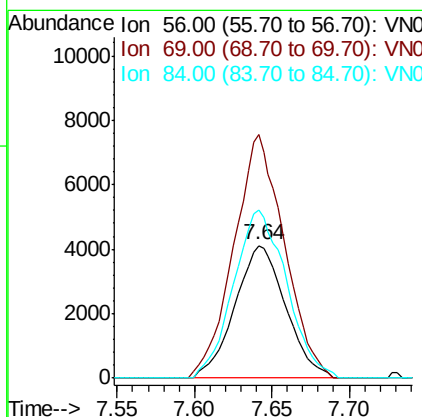
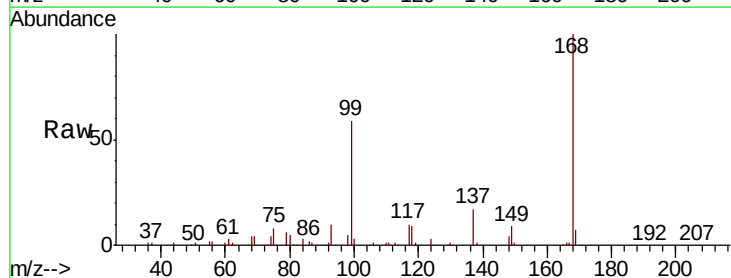
Instrument :
MSVOA_N
ClientSampleId :

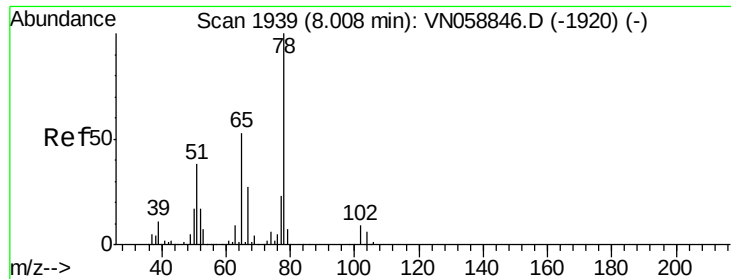
Tot Ion: 43 Resp: 3844
Ion Ratio Lower Upper
43 100
74 8.2 17.1 25.7#



#31
Cyclohexane
Concen: 1.038 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN058997.D
Acq: 29 Oct 2019 10:14

Tgt Ion: 56 Resp: 9390
Ion Ratio Lower Upper
56 100
69 183.6 26.2 39.4#
84 126.7 65.6 98.4#

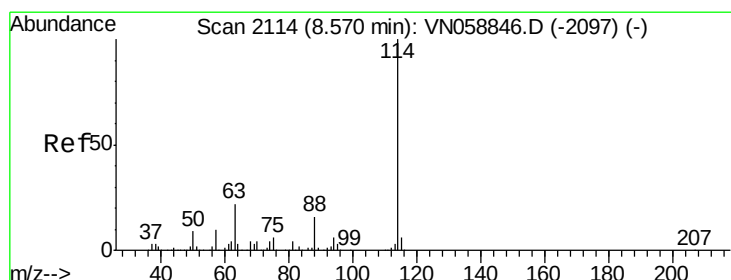
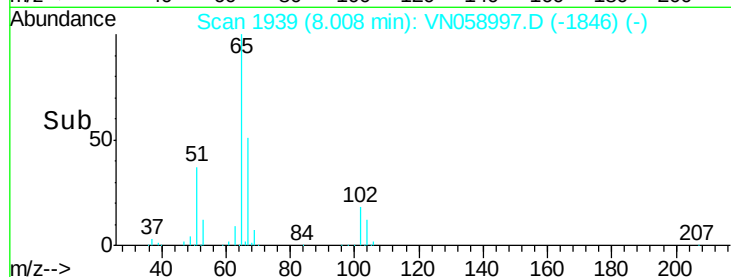
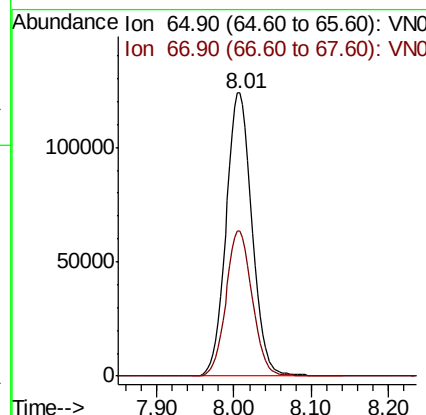
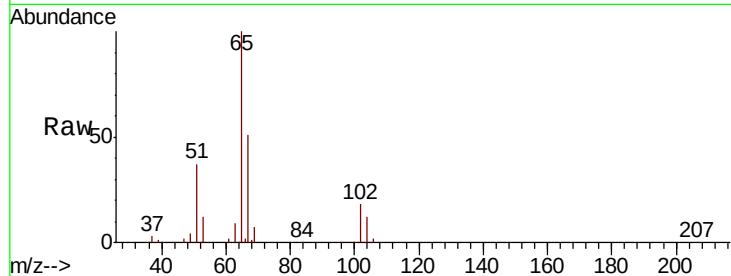




#33
 1,2-Dichloroethane-d4
 Concen: 45.693 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058997.D
 Acq: 29 Oct 2019 10:14

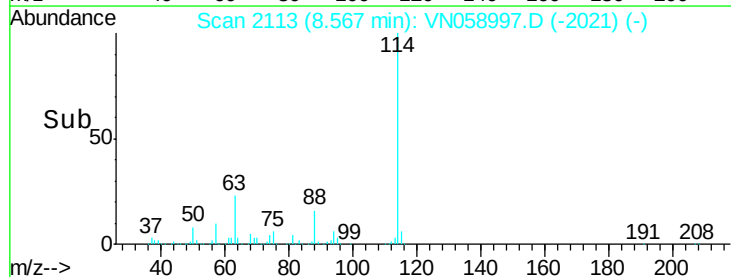
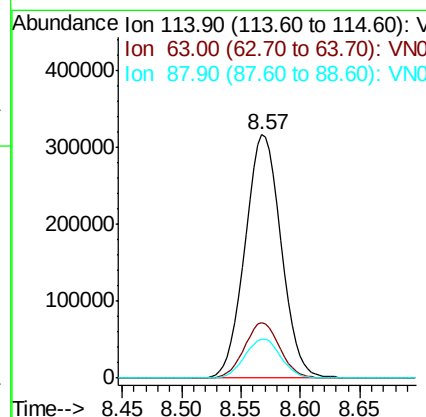
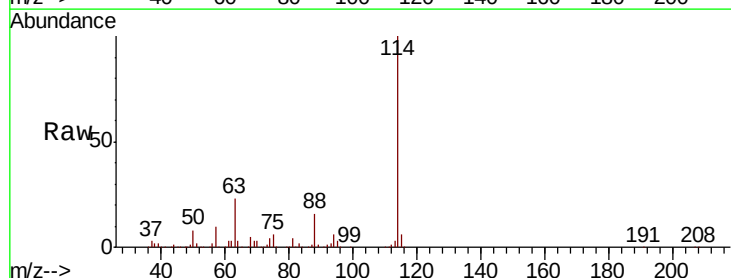
Instrument :
 MSVOA_N
 ClientSampled :

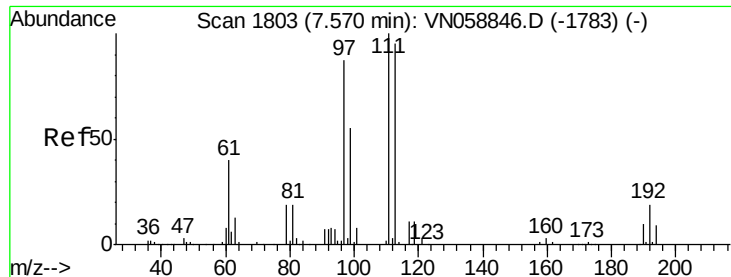
Tot Ion: 65 Resp: 287638
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN058997.D
 Acq: 29 Oct 2019 10:14

Tgt Ion: 114 Resp: 667172
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 44.4
 88 16.0 0.0 31.4

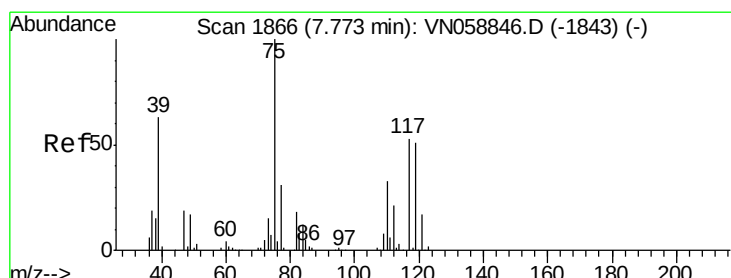
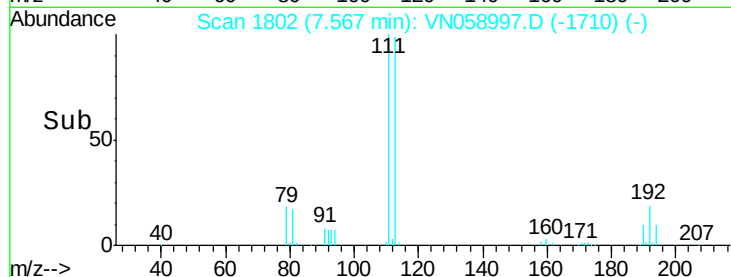
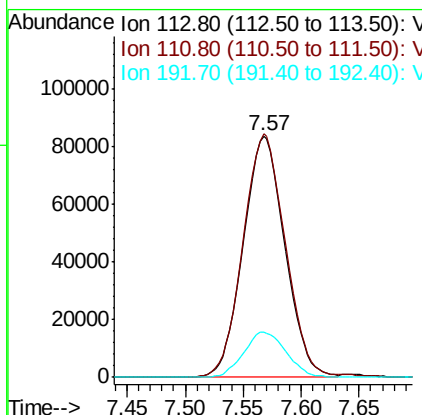
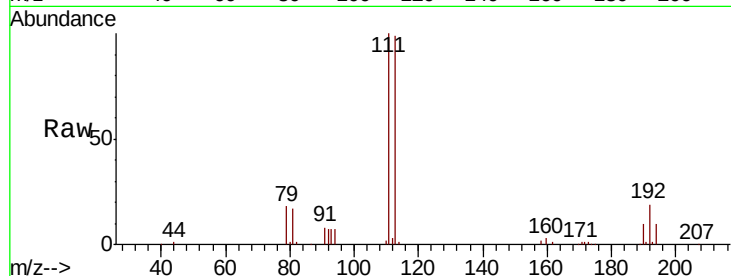




#35
 Dibromofluoromethane
 Concen: 47.844 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN058997.D
 Acq: 29 Oct 2019 10:14

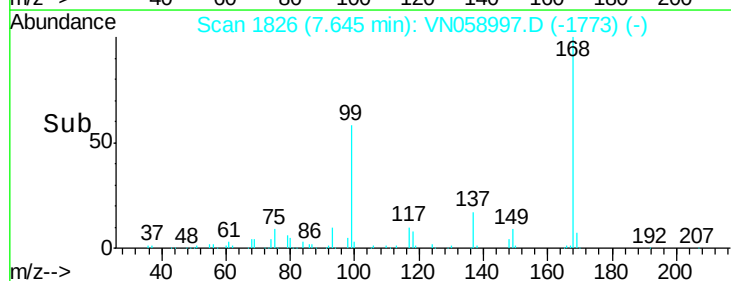
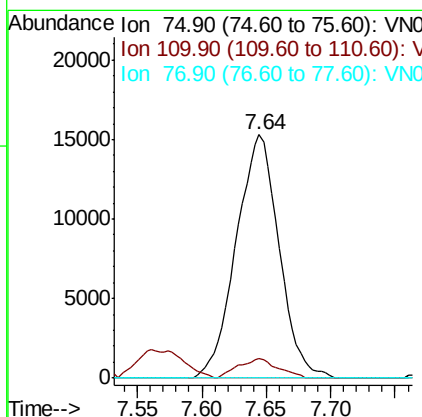
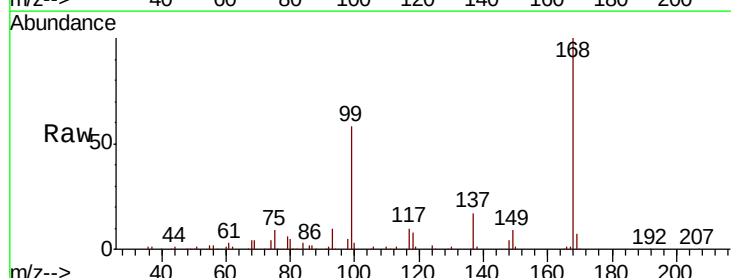
Instrument :
 MSVOA_N
 ClientSampled :

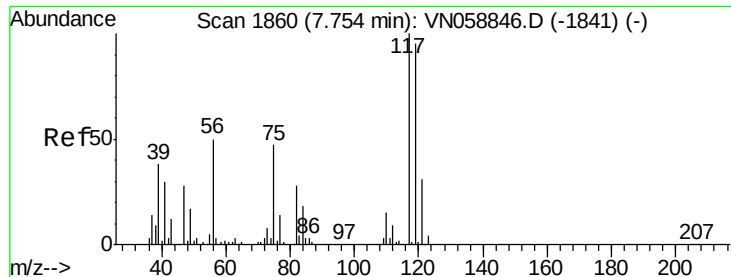
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.0	123.0
192	19.0	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 5.180 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN058997.D
 Acq: 29 Oct 2019 10:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.3	16.3	48.9#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.866 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN058997.D

Acq: 29 Oct 2019 10:14

Instrument :

MSVOA_N

ClientSampled :

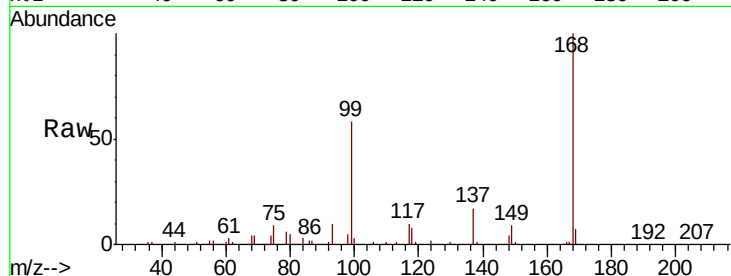
Tot Ion:117 Resp: 41277

Ion Ratio Lower Upper

117 100

119 5.3 75.7 113.5#

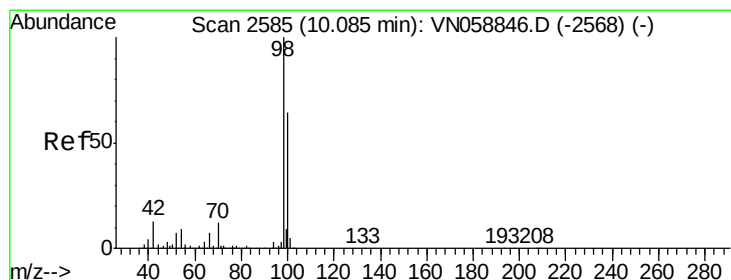
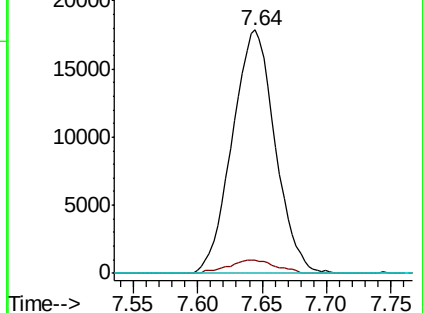
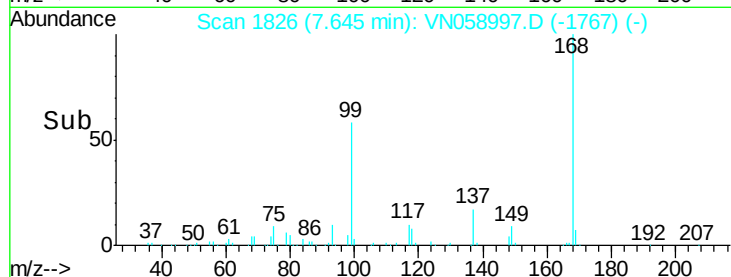
121 0.0 25.0 37.6#



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



#50

Toluene-d8

Concen: 47.438 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058997.D

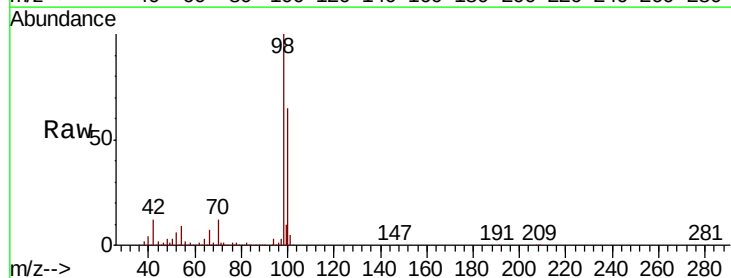
Acq: 29 Oct 2019 10:14

Tgt Ion: 98 Resp: 807761

Ion Ratio Lower Upper

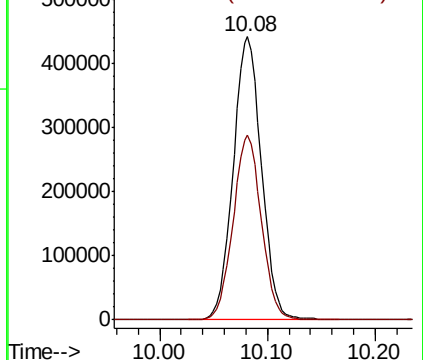
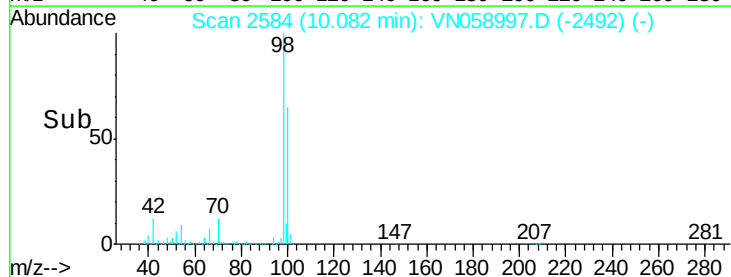
98 100

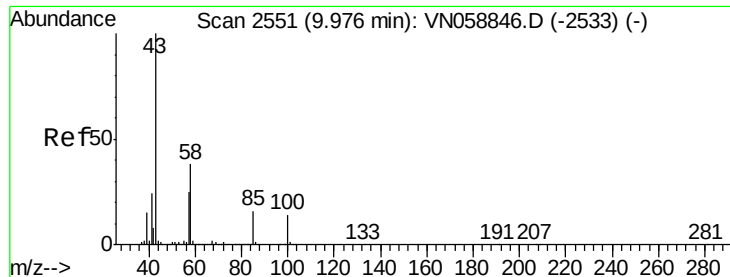
100 65.1 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.207 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN058997.D

Acq: 29 Oct 2019 10:14

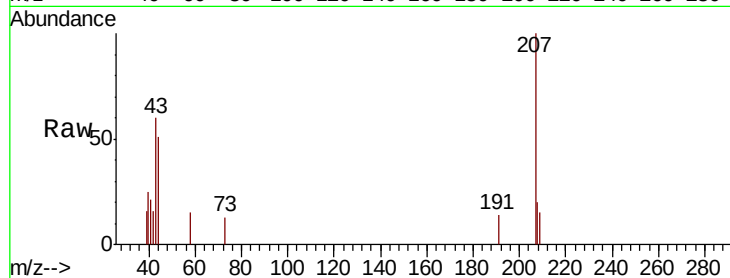
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1443

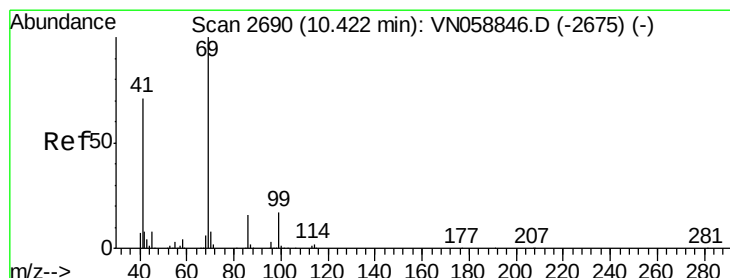
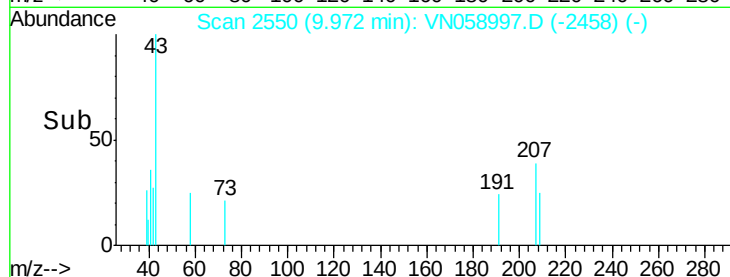
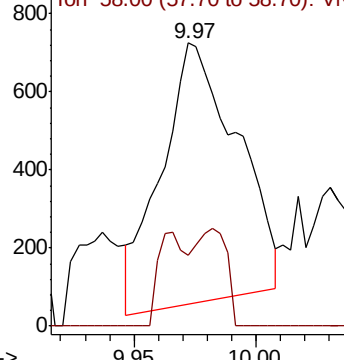
Ion Ratio Lower Upper

43 100

58 15.0 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#56

Ethyl methacrylate

Concen: 2.101 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058997.D

Acq: 29 Oct 2019 10:14

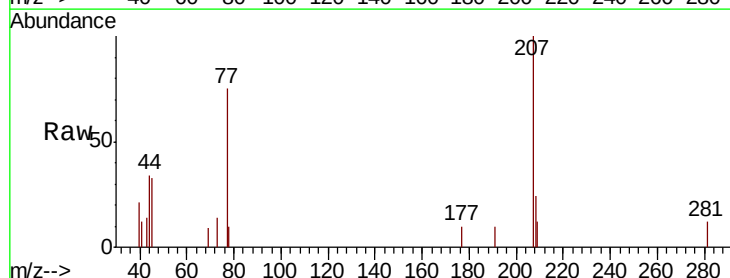
Tgt Ion: 69 Resp: 29

Ion Ratio Lower Upper

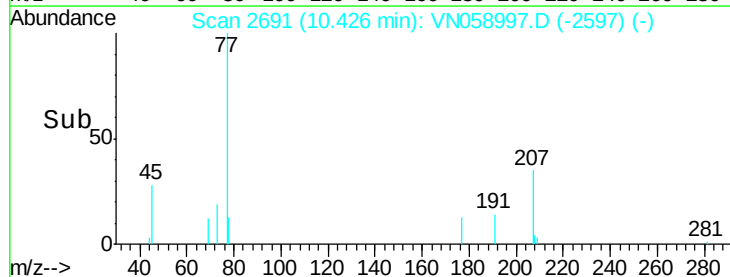
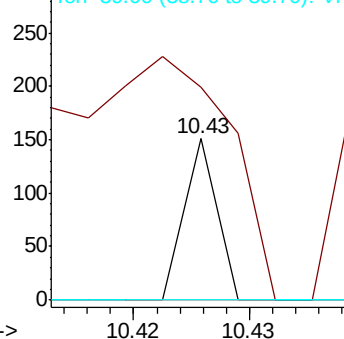
69 100

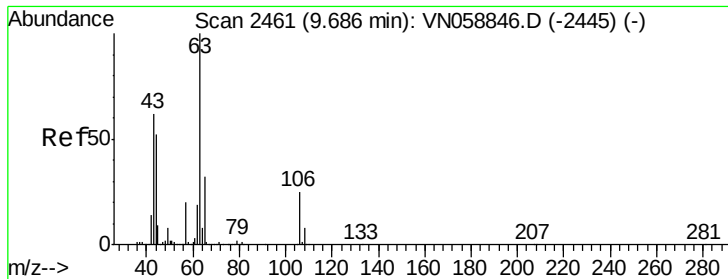
41 865.5 57.2 85.8#

39 0.0 31.0 46.4#



Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

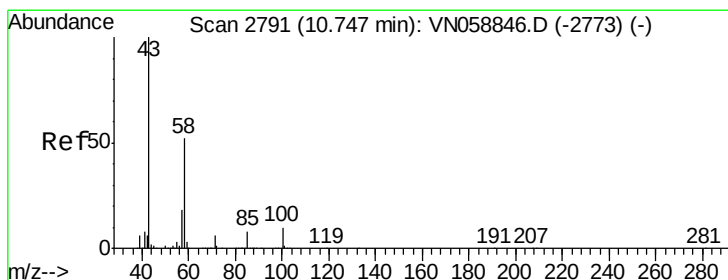
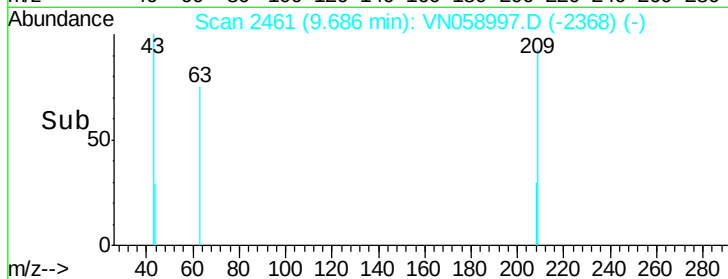
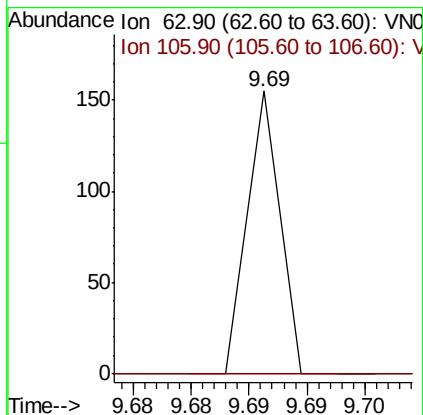
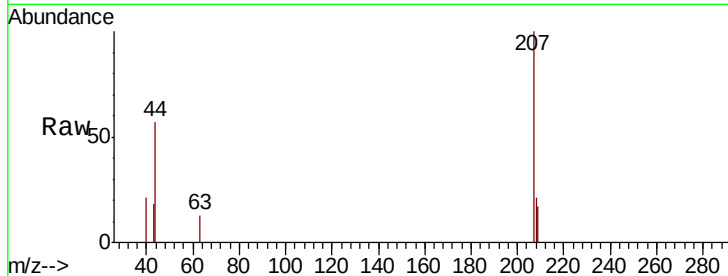




#58
 2-Chloroethyl Vinyl ether
 Concen: 5.672 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058997.D
 Acq: 29 Oct 2019 10:14

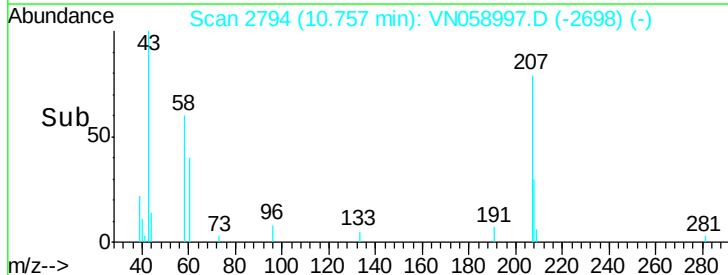
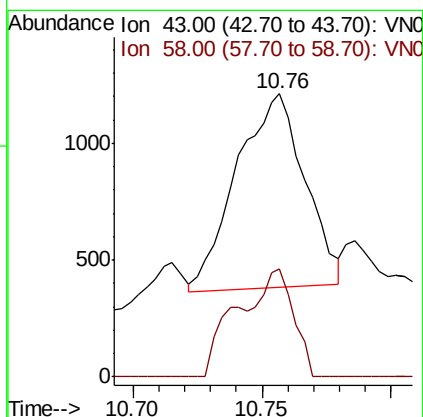
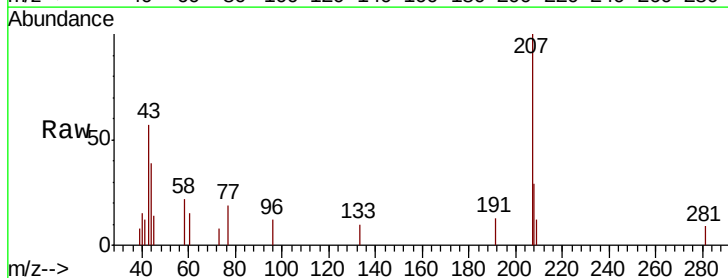
Instrument :
 MSVOA_N
 ClientSampleId :

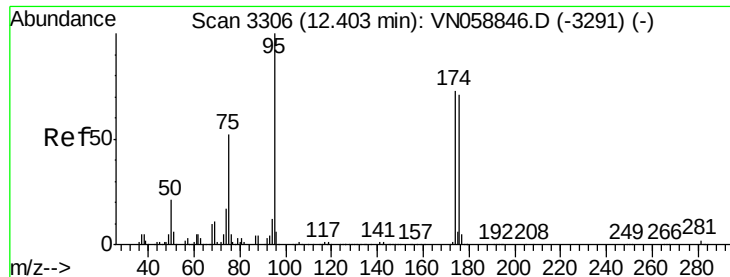
Tot Ion: 63 Resp: 30
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.8 29.8#



#59
 2-Hexanone
 Concen: 0.286 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.01 min
 Lab File: VN058997.D
 Acq: 29 Oct 2019 10:14

Tgt Ion: 43 Resp: 1540
 Ion Ratio Lower Upper
 43 100
 58 45.0 25.9 77.7





#62

4-Bromofluorobenzene

Concen: 40.386 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058997.D

Acq: 29 Oct 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

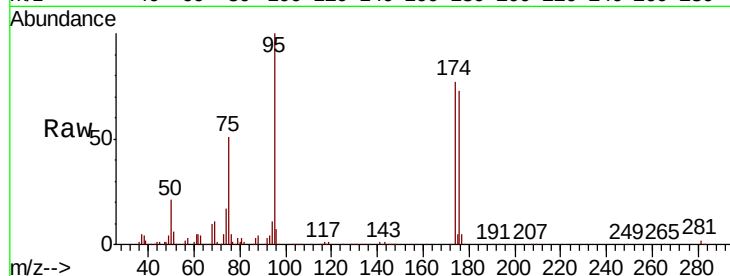
Tot Ion: 95 Resp: 252533

Ion Ratio Lower Upper

95 100

174 77.9 0.0 147.6

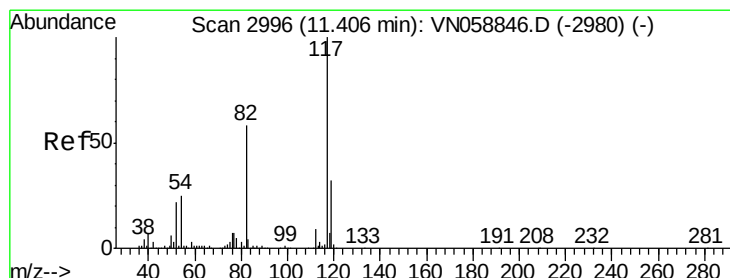
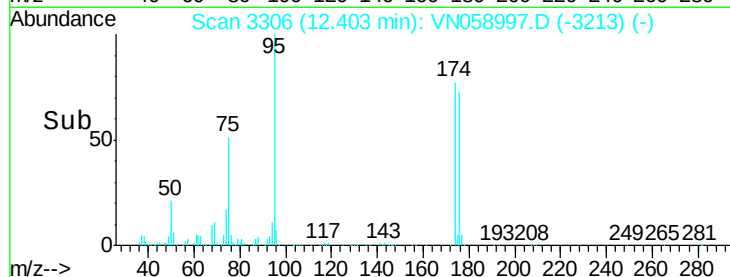
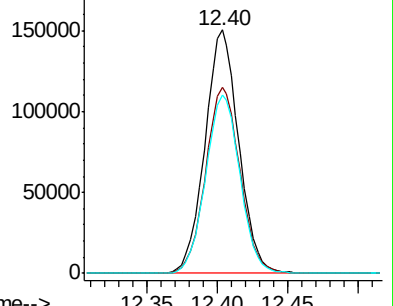
176 74.6 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): VN058846.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058846.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058846.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN058997.D

Acq: 29 Oct 2019 10:14

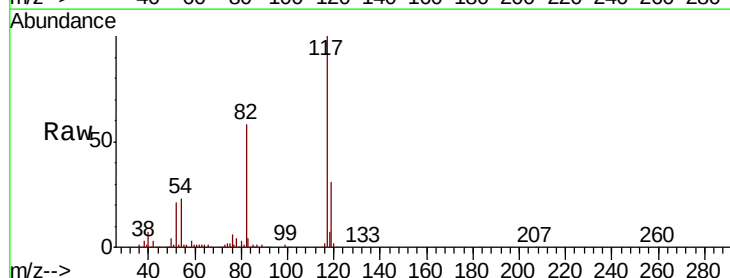
Tgt Ion: 117 Resp: 572058

Ion Ratio Lower Upper

117 100

82 58.0 46.6 69.8

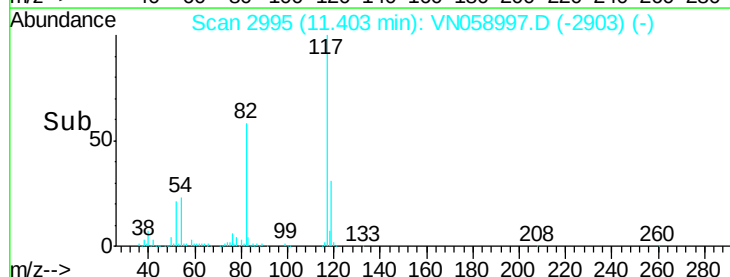
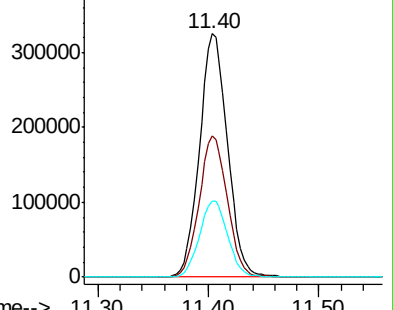
119 31.3 25.6 38.4

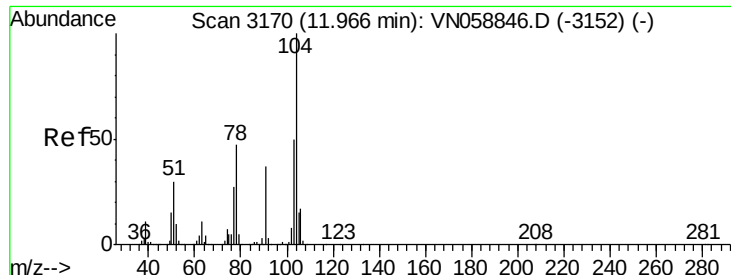


Abundance Ion 116.90 (116.60 to 117.60): VN058846.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058846.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058846.D (-2980) (-)

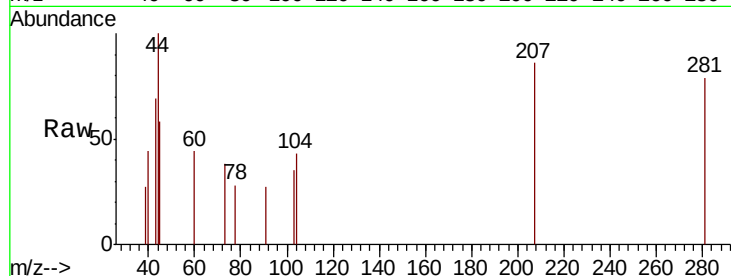




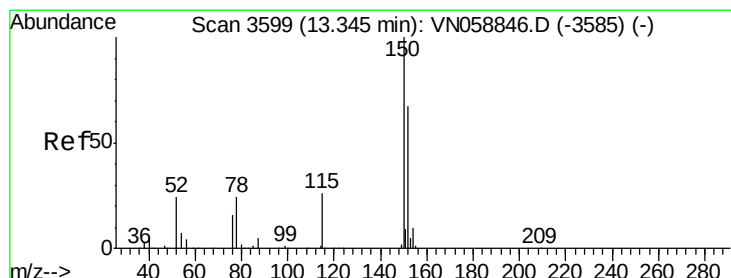
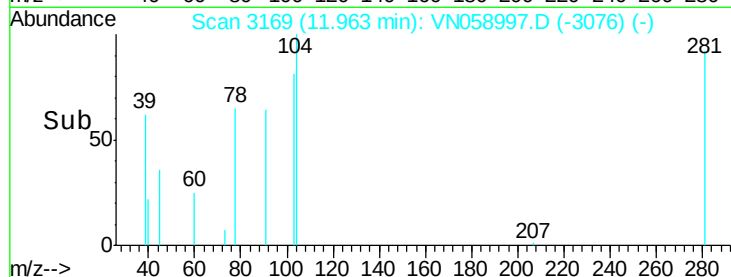
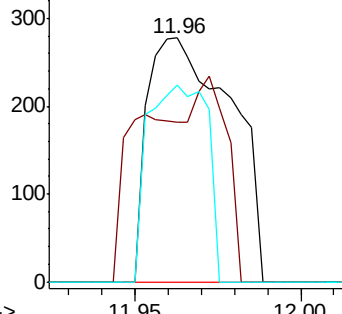
#70
Stvrene
Concen: 1.749 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058997.D
Acq: 29 Oct 2019 10:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
104	100		
78	43.3	42.8	64.2
103	57.7	44.3	66.5

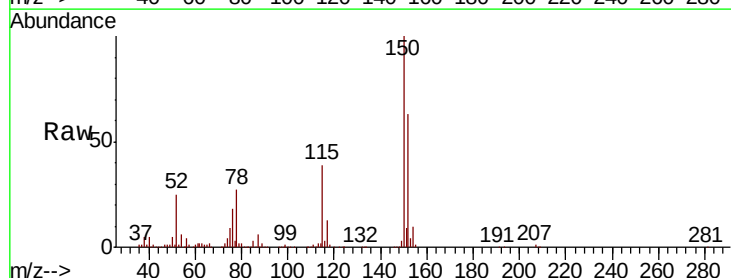


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

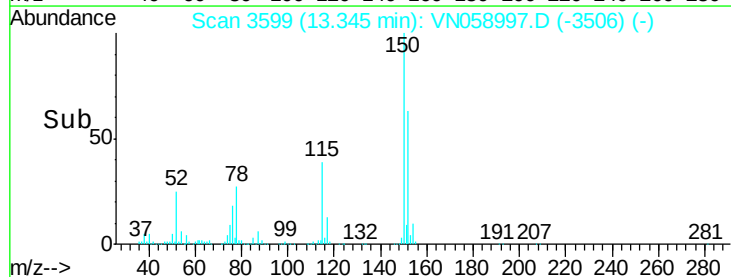
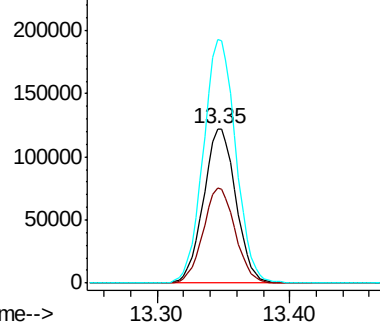


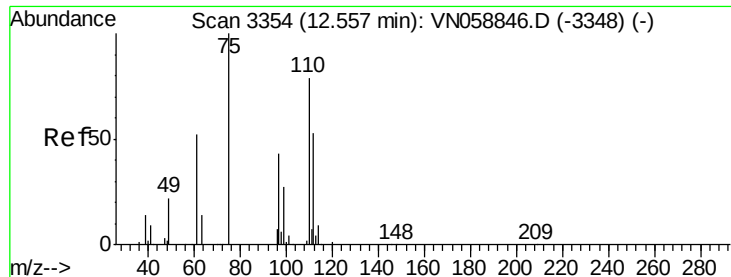
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN058997.D
Acq: 29 Oct 2019 10:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	30.5	91.5
150	157.9	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: 27.391 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058997.D

Acq: 29 Oct 2019 10:14

Instrument :

MSVOA_N

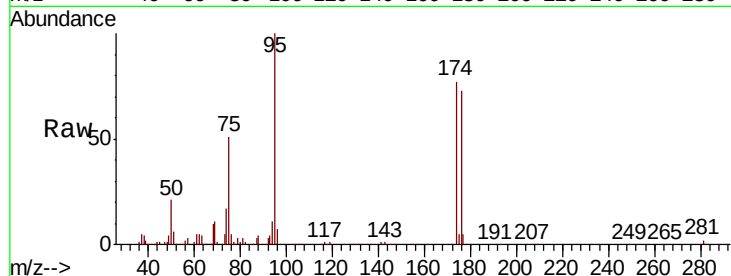
ClientSampled :

Tot Ion: 75 Resp: 131555

Ion Ratio Lower Upper

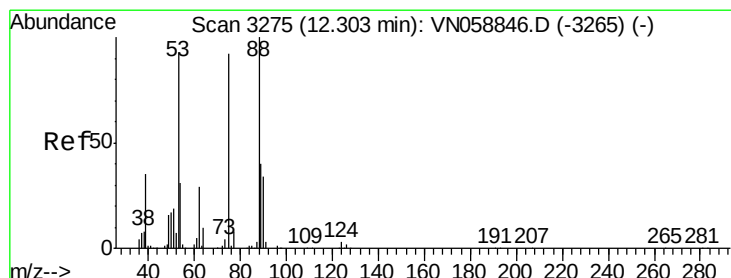
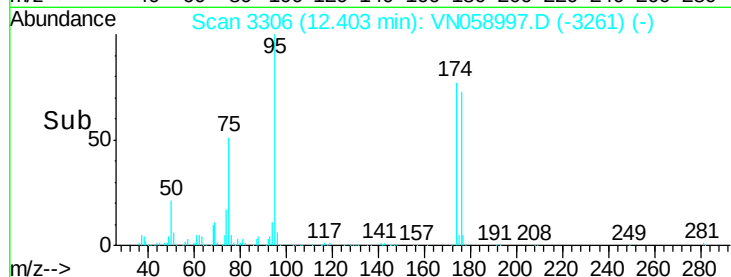
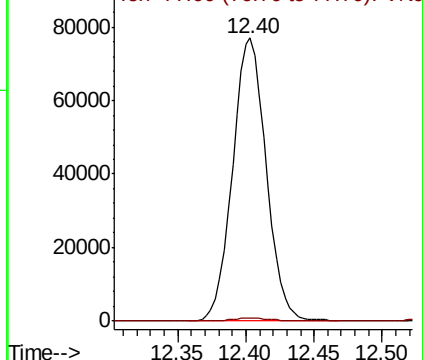
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 71.355 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058997.D

Acq: 29 Oct 2019 10:14

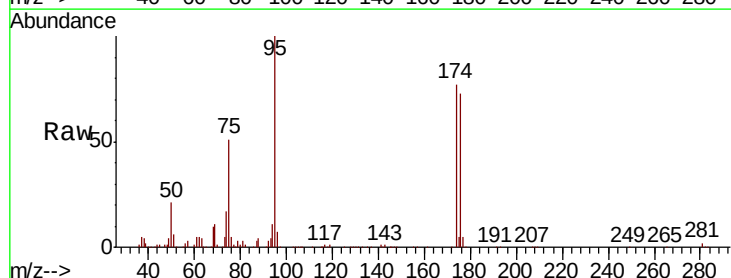
Tgt Ion: 75 Resp: 131555

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

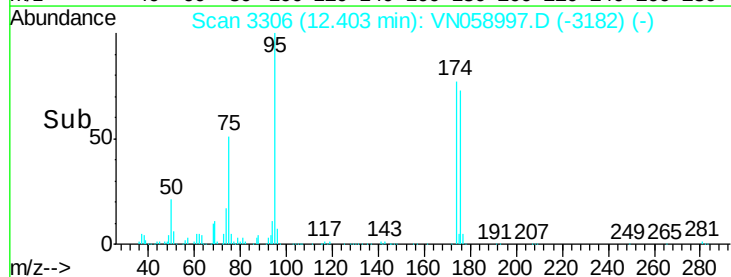
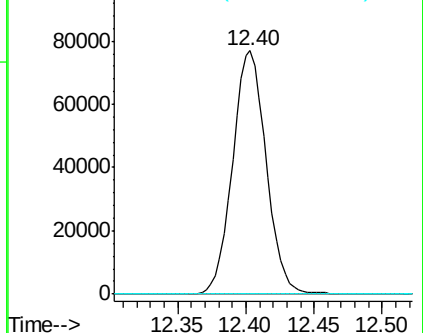
89 0.0 35.4 53.0#

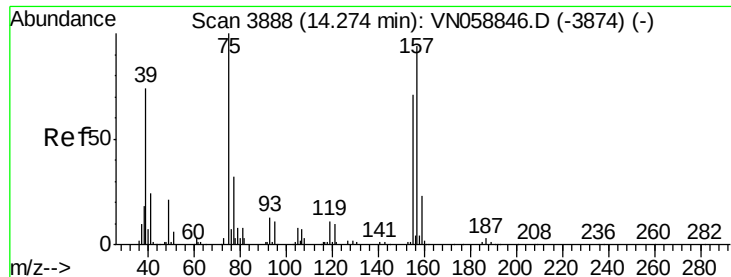


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.408 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN058997.D

Acq: 29 Oct 2019 10:14

Instrument :

MSVOA_N

ClientSampled :

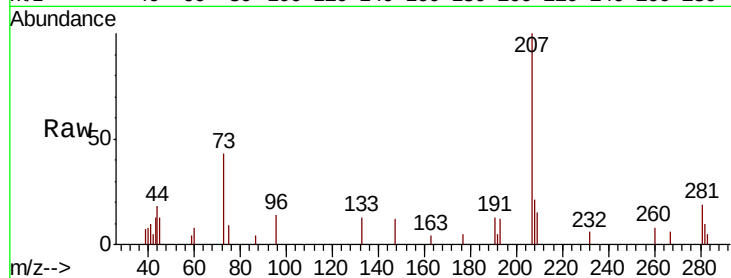
Tot Ion: 75 Resp: 491

Ion Ratio Lower Upper

75 100

155 0.0 35.6 106.8#

157 0.0 47.4 142.2#

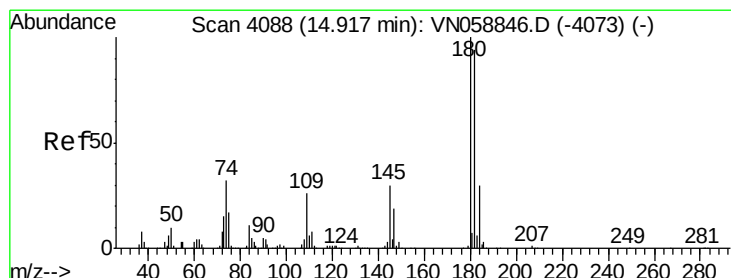
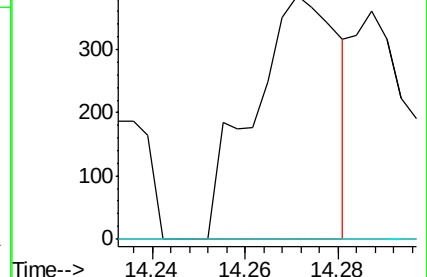
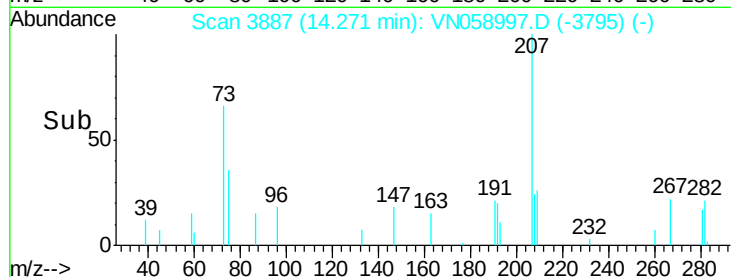


Abundance Ion 74.90 (74.60 to 75.60): VN058846.D (-3874) (-)

Ion 154.80 (154.50 to 155.50): VN058846.D (-3874) (-)

Ion 156.80 (156.50 to 157.50): VN058846.D (-3874) (-)

14.27



#93

1,2,4-Trichlorobenzene

Concen: 3.038 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN058997.D

Acq: 29 Oct 2019 10:14

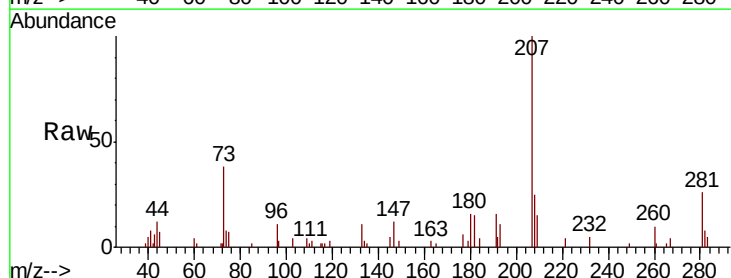
Tgt Ion: 180 Resp: 2249

Ion Ratio Lower Upper

180 100

182 97.1 47.3 142.0

145 32.1 15.3 45.8

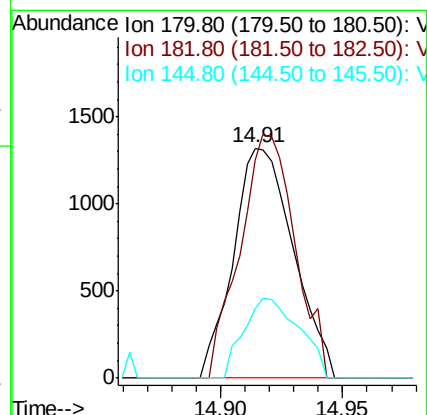
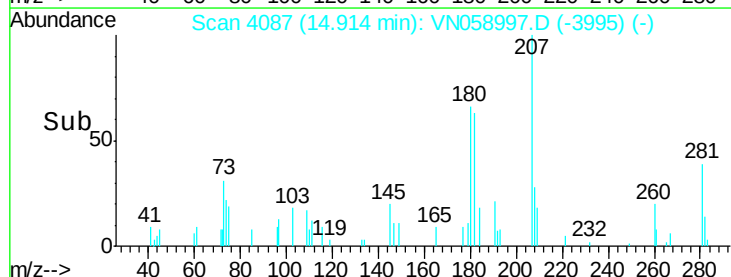


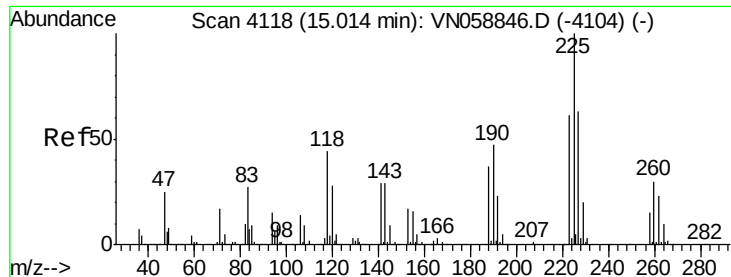
Abundance Ion 179.80 (179.50 to 180.50): VN058846.D (-4073) (-)

Ion 181.80 (181.50 to 182.50): VN058846.D (-4073) (-)

Ion 144.80 (144.50 to 145.50): VN058846.D (-4073) (-)

14.91





#94

Hexachlorobutadiene

Concen: 0.348 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058997.D

Acq: 29 Oct 2019 10:14

Instrument :

MSVOA_N

ClientSampleId :

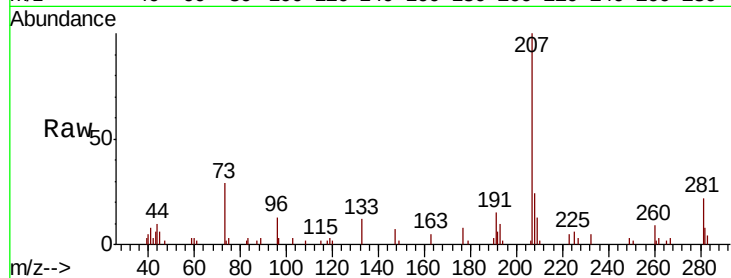
Tot Ion:225 Resp: 740

Ion Ratio Lower Upper

225 100

223 94.7 30.9 92.5#

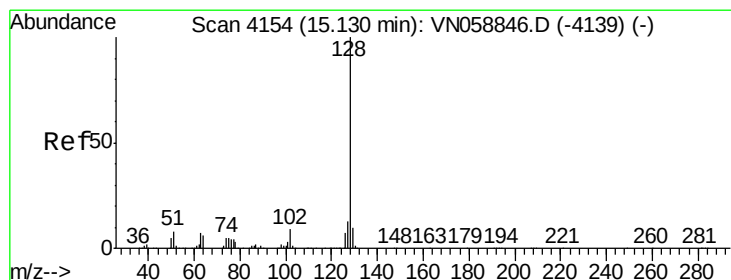
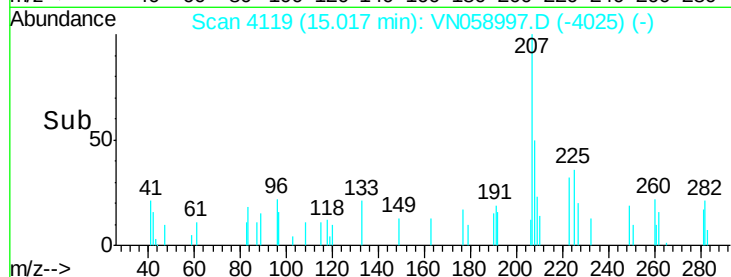
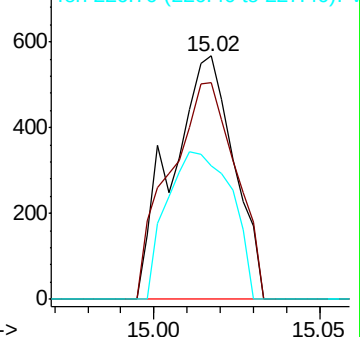
227 63.1 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.865 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058997.D

Acq: 29 Oct 2019 10:14

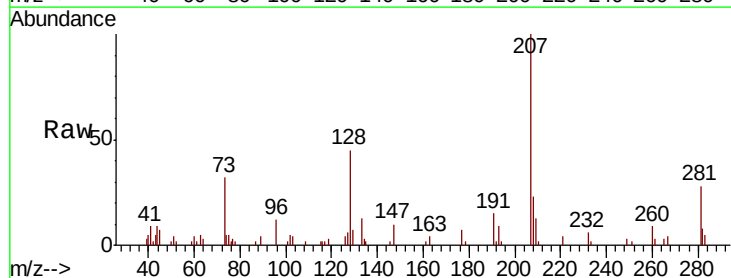
Tgt Ion:128 Resp: 7944

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

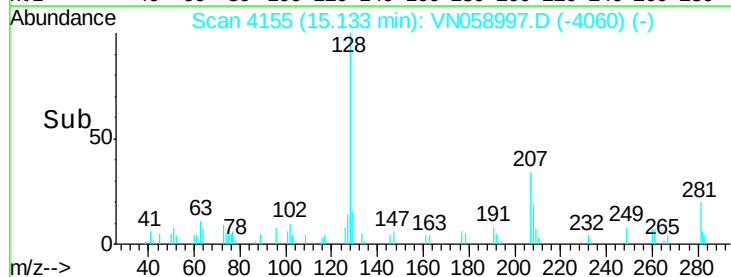
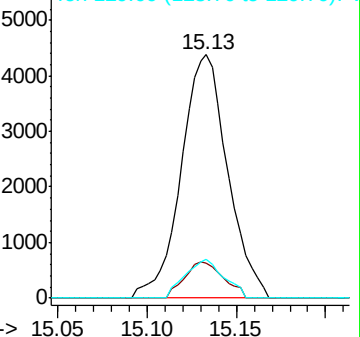
129 13.3 8.4 12.6#

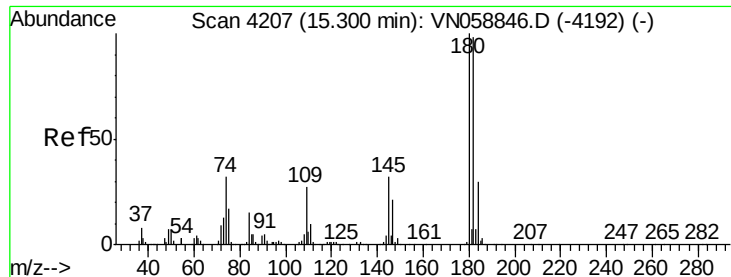


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

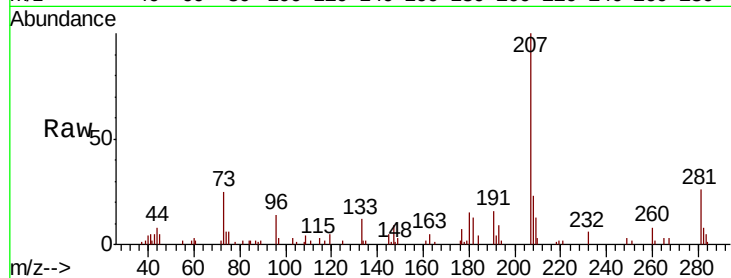




#96
 1,2,3-Trichlorobenzene
 Concen: 3.206 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN058997.D
 Acq: 29 Oct 2019 10:14

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	80.8	47.9	143.7
145	35.3	15.9	47.7



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

