

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110819\
 Data File : VN059137.D
 Acq On : 8 Nov 2019 16:37
 Operator : JC/SP
 Sample : K5742-08
 Misc : 5.80g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-26-(6-8)

Quant Time: Nov 11 00:57:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	461435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	705483	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	619760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	255129	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	274083	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	7.56	113	209227	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
50) Toluene-d8	10.08	98	864979	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.40	95	288999	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.71	59	9543	8.828	ug/l #	72
16) Acetone	3.81	43	1311	0.444	ug/l	97
20) Methylene Chloride	4.50	84	1677	0.326	ug/l #	83
25) 2-Butanone	6.82	43	5929	1.525	ug/l	97
31) Cyclohexane	7.63	56	9299	1.053	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	34707	5.263	ug/l #	49
37) Ethyl Acetate	6.82	43	5929	0.808	ug/l #	69
38) Carbon Tetrachloride	7.75	117	1434	0.218	ug/l	94
54) cis-1,3-Dichloropropene	9.58	75	1711	0.205	ug/l #	35
56) Ethyl methacrylate	10.41	69	231	1.901	ug/l #	42
76) 1,2,3-Trichloropropane	12.40	75	143878	24.771	ug/l #	100
77) Bromobenzene	12.59	156	5372	1.152	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.40	75	143878	65.426	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.92	180	728	3.190	ug/l	76
95) Naphthalene	15.13	128	4005	3.329	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.30	180	1278	0.290	ug/l	82

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN059137.D

Acq: 8 Nov 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

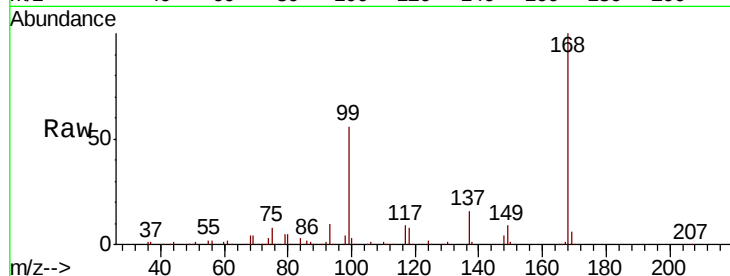
SB-26-(6-8)

Tot Ion:168 Resp: 461435

Ion Ratio Lower Upper

168 100

99 55.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059137.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059137.D (-1733) (-)

7.64

200000

150000

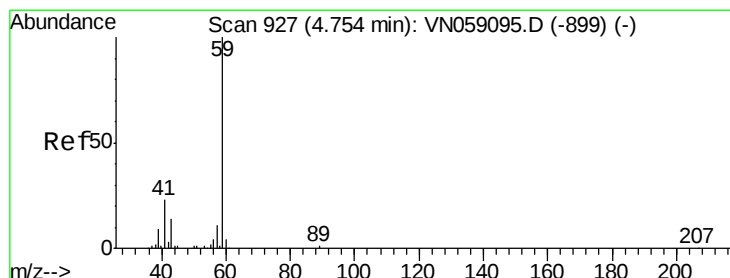
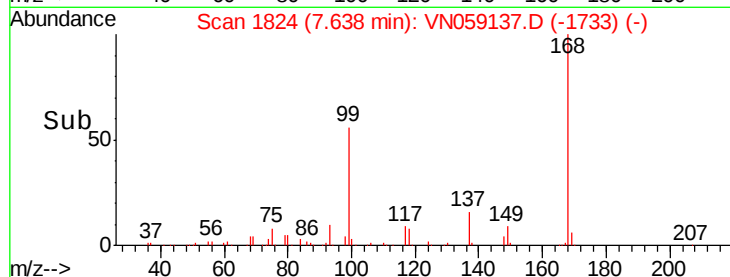
100000

50000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 8.828 ug/l

RT: 4.71 min Scan# 912

Delta R.T. -0.05 min

Lab File: VN059137.D

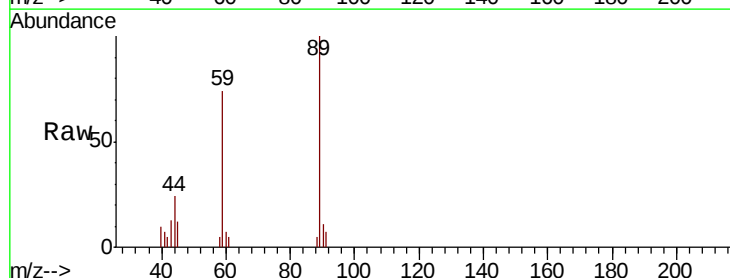
Acq: 8 Nov 2019 16:37

Tgt Ion: 59 Resp: 9543

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN059137.D (-834) (-)

Ion 57.00 (56.70 to 57.70): VN059137.D (-834) (-)

4.71

2500

2000

1500

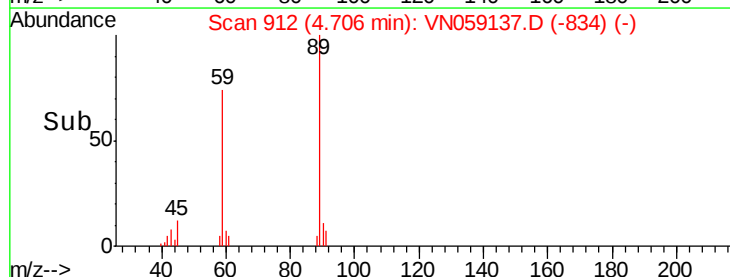
1000

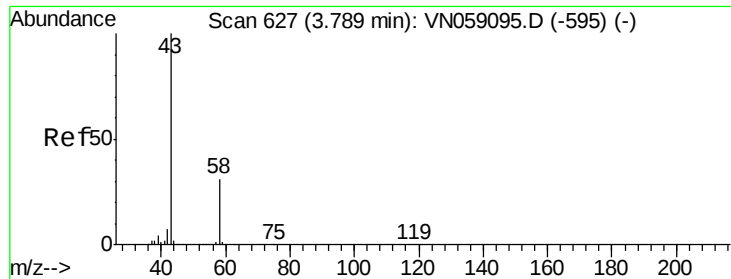
500

0

4.60 4.70 4.80

Time-->





#16

Acetone

Concen: 0.444 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.02 min

Lab File: VN059137.D

Acq: 8 Nov 2019 16:37

Instrument :

MSVOA_N

ClientSampled :

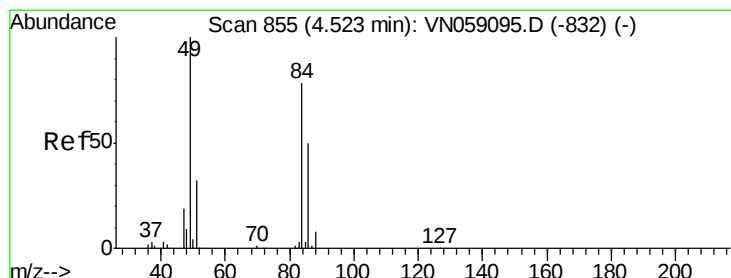
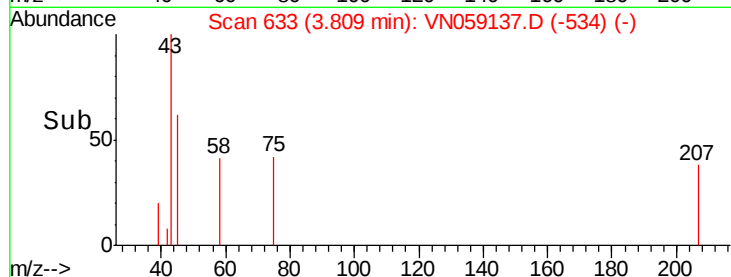
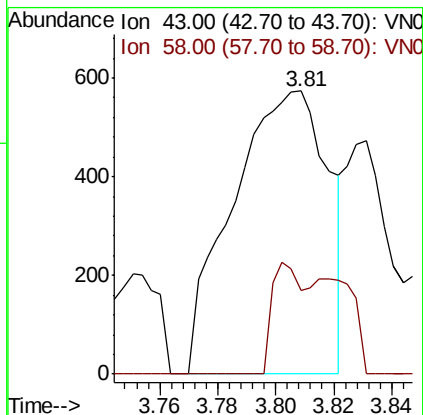
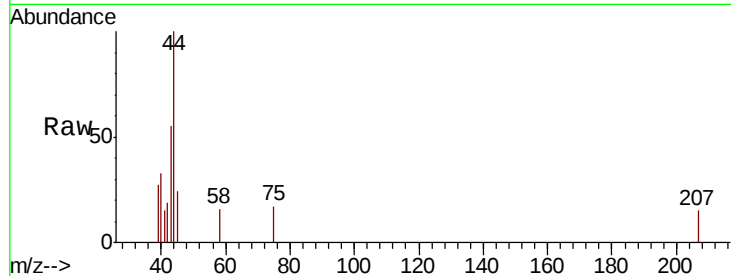
SB-26-(6-8)

Tot Ion: 43 Resp: 1311

Ion Ratio Lower Upper

43 100

58 29.5 24.9 37.3



#20

Methylene Chloride

Concen: 0.326 ug/l

RT: 4.50 min Scan# 848

Delta R.T. -0.02 min

Lab File: VN059137.D

Acq: 8 Nov 2019 16:37

Tgt Ion: 84 Resp: 1677

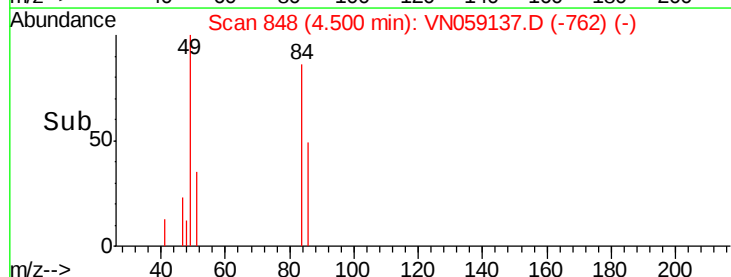
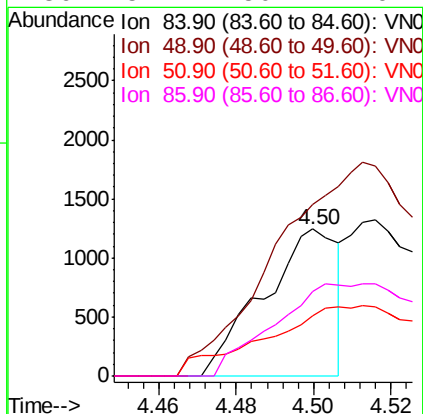
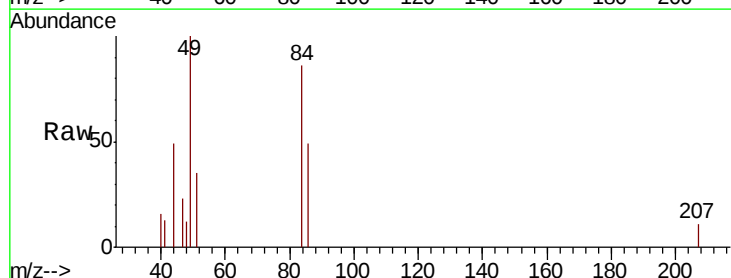
Ion Ratio Lower Upper

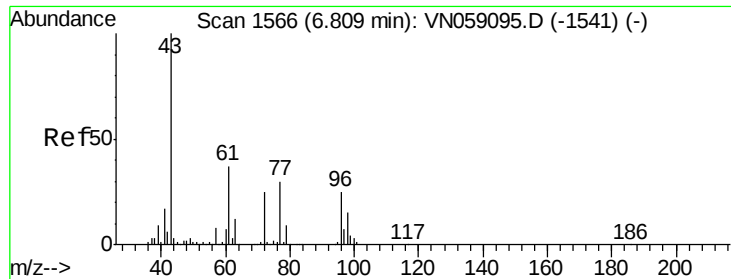
84 100

49 103.5 102.0 153.0

51 28.3 32.2 48.2#

86 57.4 50.7 76.1

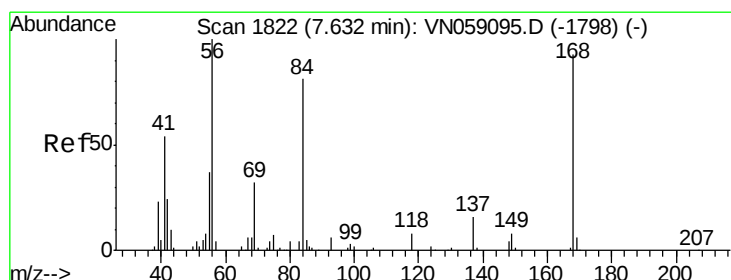
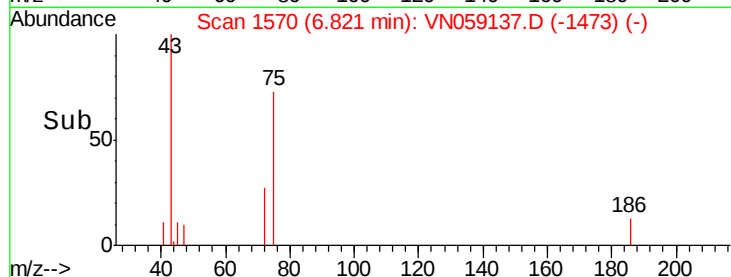
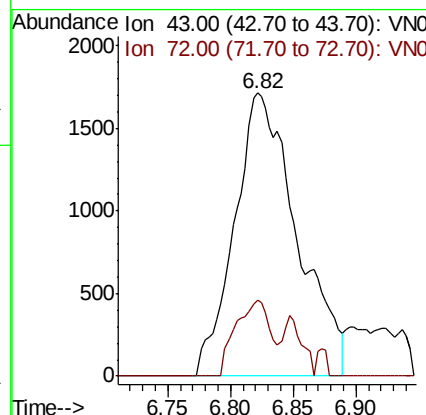
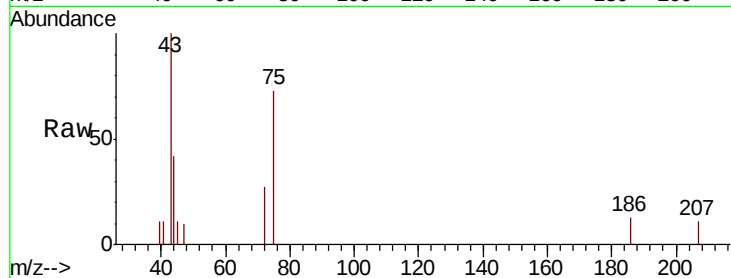




#25
2-Butanone
Concen: 1.525 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN059137.D
Acq: 8 Nov 2019 16:37

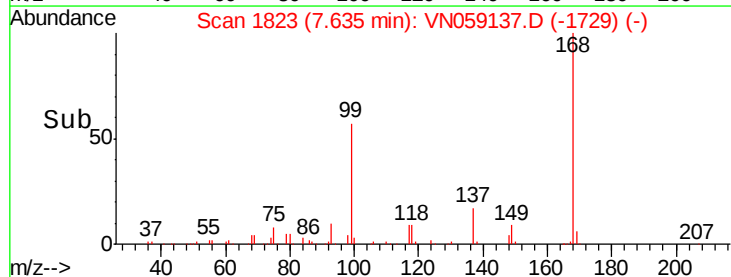
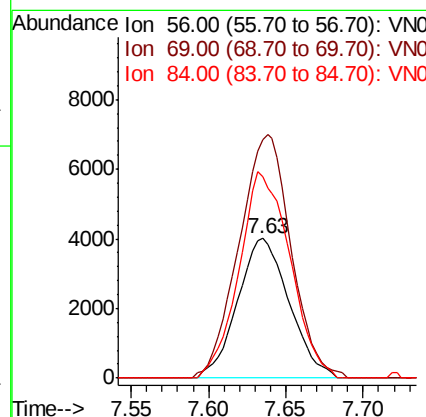
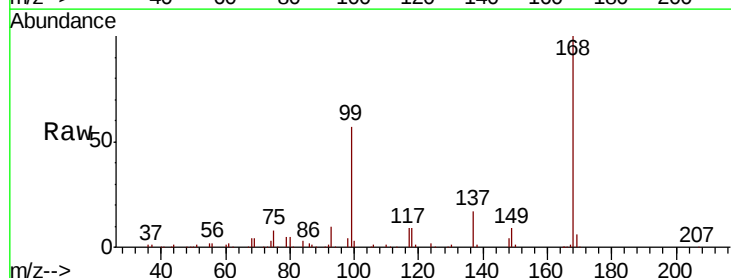
Instrument :
MSVOA_N
ClientSampleId :
SB-26-(6-8)

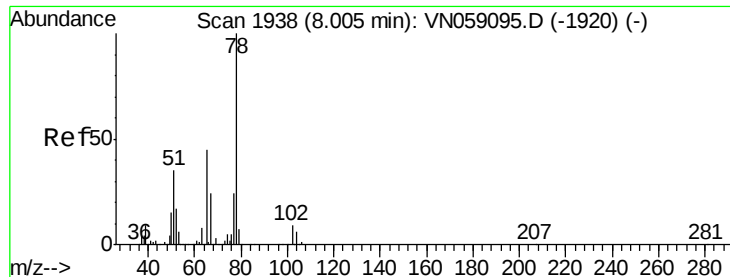
Tot Ion: 43 Resp: 5929
Ion Ratio Lower Upper
43 100
72 27.0 20.3 30.5



#31
Cyclohexane
Concen: 1.053 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059137.D
Acq: 8 Nov 2019 16:37

Tgt Ion: 56 Resp: 9299
Ion Ratio Lower Upper
56 100
69 171.1 25.8 38.8#
84 144.2 65.0 97.4#

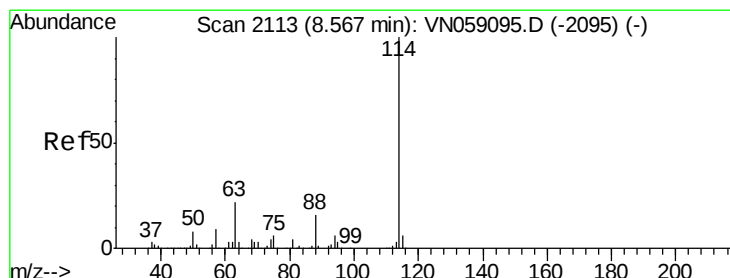
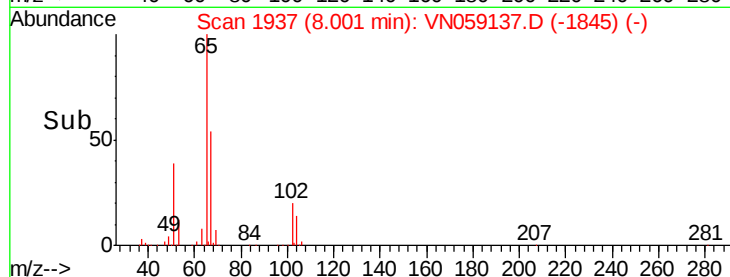
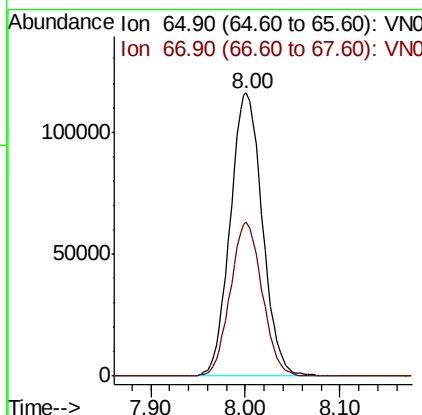
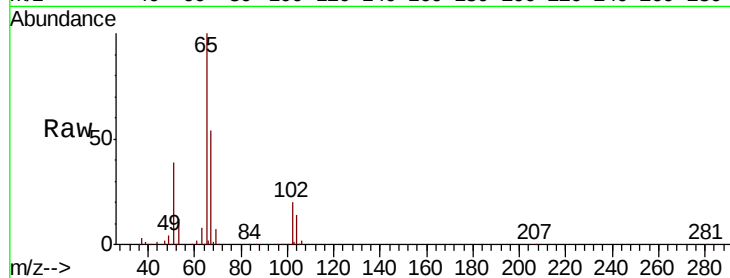




#33
 1,2-Dichloroethane-d4
 Concen: 48.320 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059137.D
 Acq: 8 Nov 2019 16:37

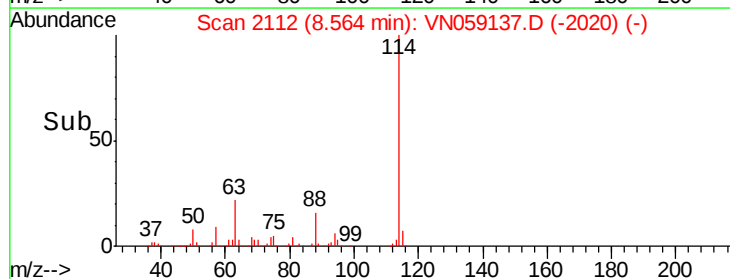
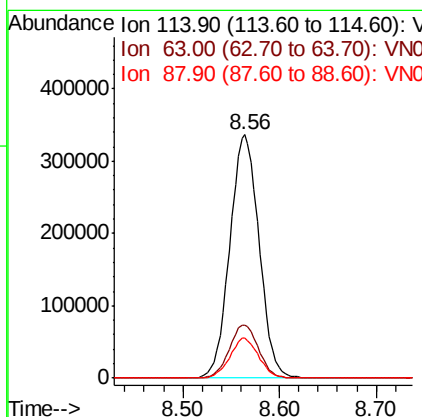
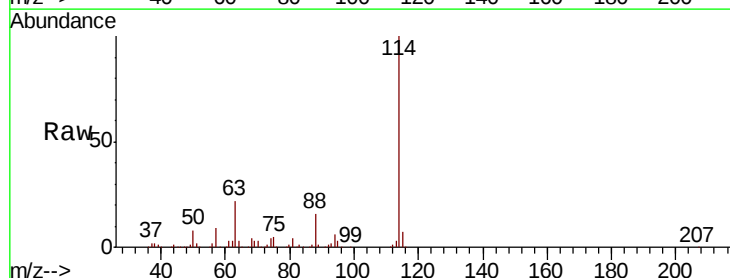
Instrument :
 MSVOA_N
 ClientSampled :
 SB-26-(6-8)

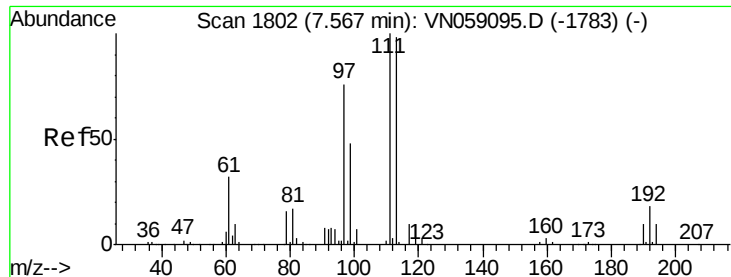
Tot Ion: 65 Resp: 274083
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059137.D
 Acq: 8 Nov 2019 16:37

Tgt Ion: 114 Resp: 705483
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.4
 88 16.5 0.0 32.2

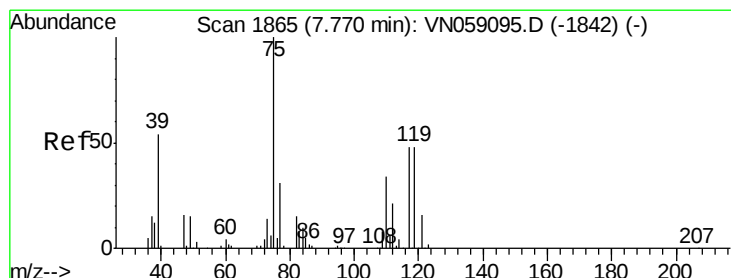
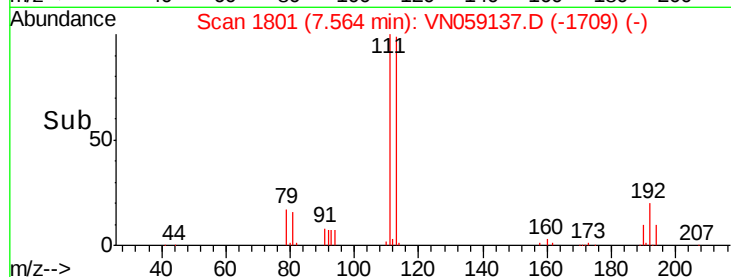
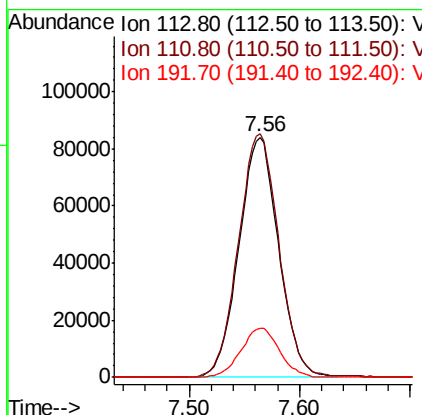
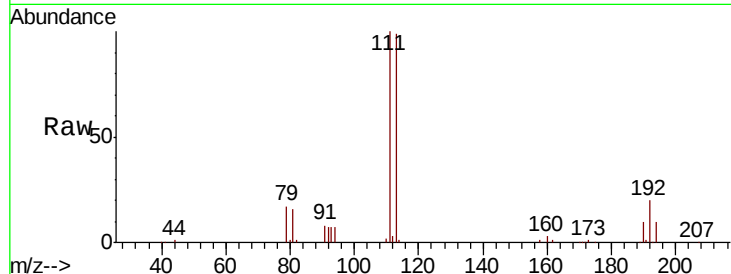




#35
 Dibromofluoromethane
 Concen: 49.669 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059137.D
 Acq: 8 Nov 2019 16:37

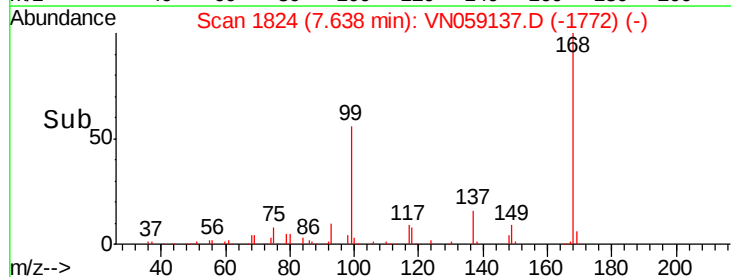
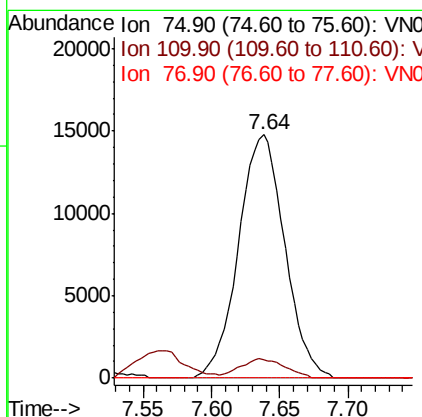
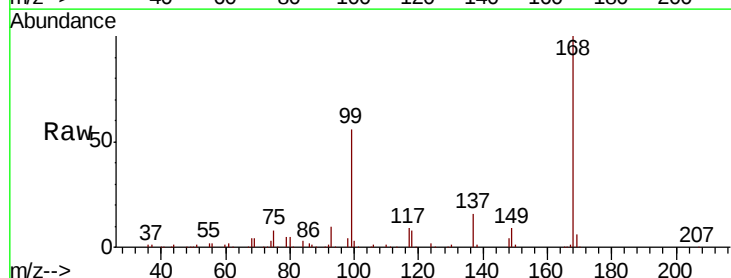
Instrument :
 MSVOA_N
 ClientSampled :
 SB-26-(6-8)

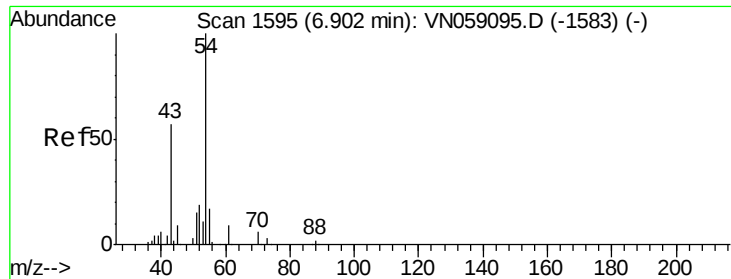
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.8	124.2
192	20.1	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 5.263 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN059137.D
 Acq: 8 Nov 2019 16:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.1	51.2#
77	0.0	24.8	37.2#

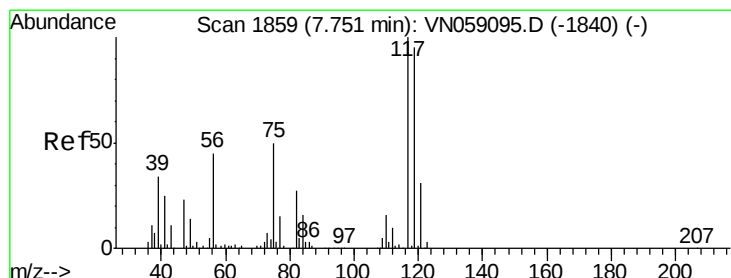
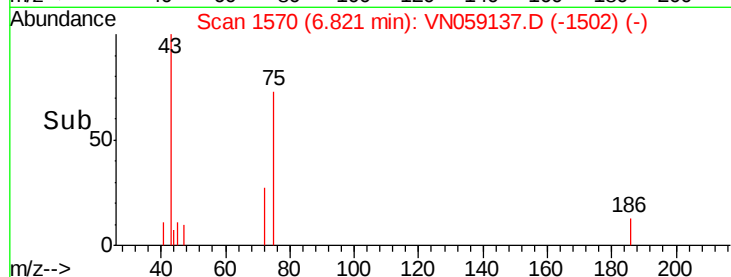
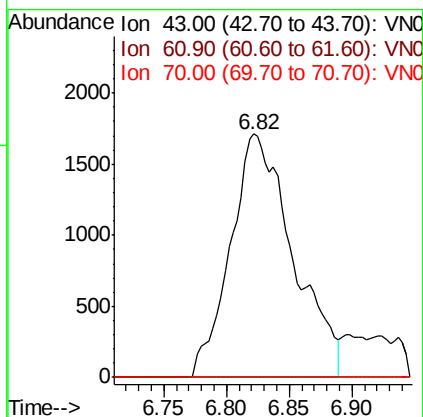
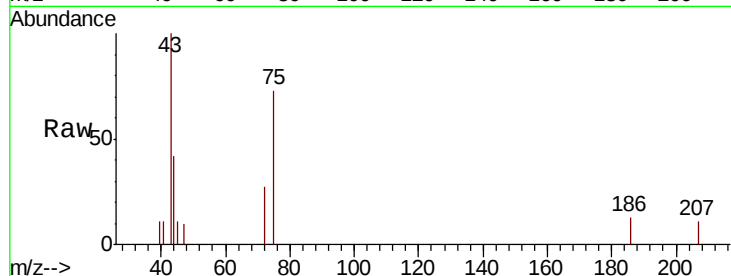




#37
Ethyl Acetate
Concen: 0.808 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.08 min
Lab File: VN059137.D
Acq: 8 Nov 2019 16:37

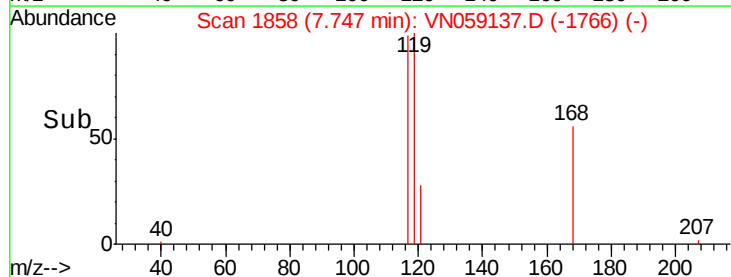
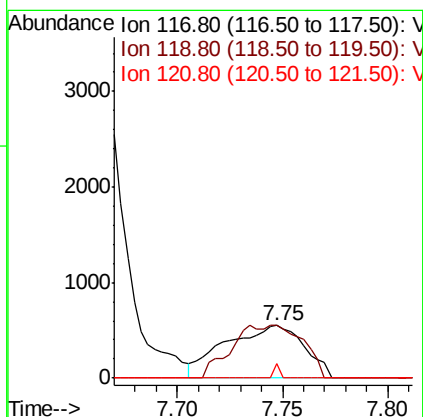
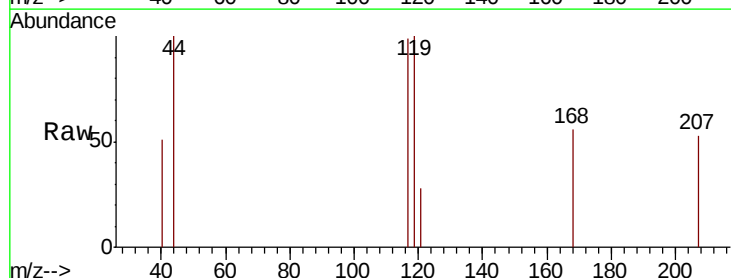
Instrument :
MSVOA_N
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SB-26-(6-8)

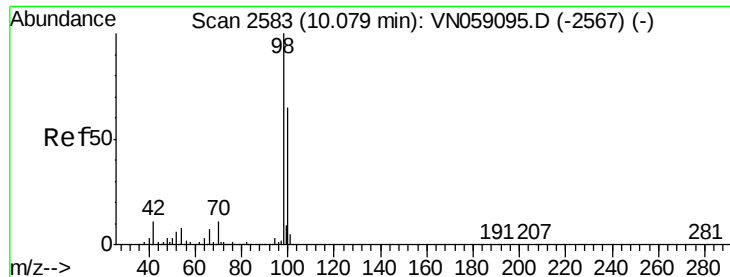
Tot Ion: 43 Resp: 5929
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 0.218 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN059137.D
Acq: 8 Nov 2019 16:37

Tgt Ion: 117 Resp: 1434
Ion Ratio Lower Upper
117 100
119 101.1 75.6 113.4
121 28.3 24.6 36.8





#50

Toluene-d8

Concen: 52.131 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059137.D

Acq: 8 Nov 2019 16:37

Instrument :

MSVOA_N

ClientSampled :

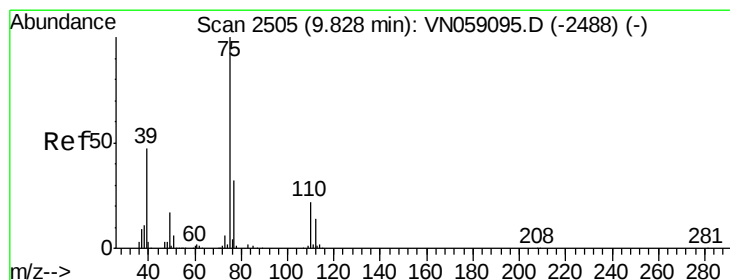
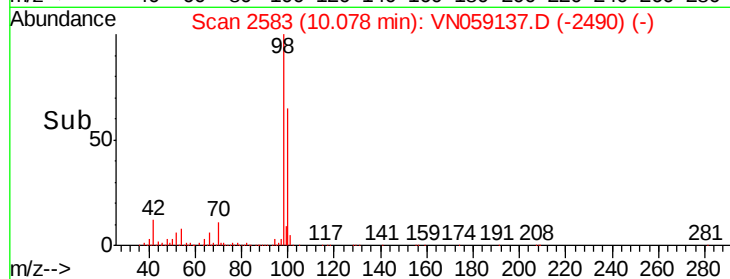
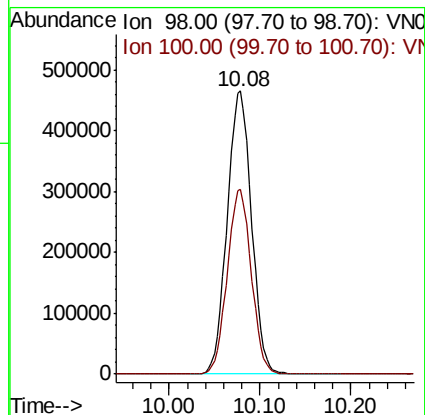
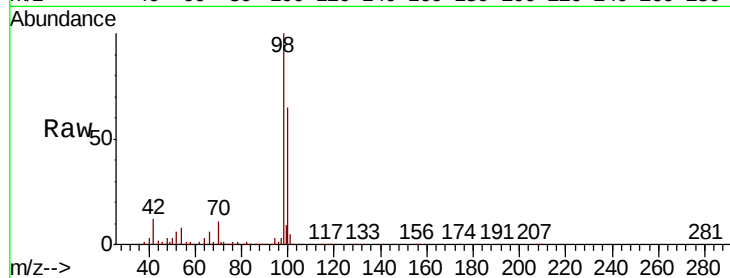
SB-26-(6-8)

Tot Ion: 98 Resp: 864979

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.2



#54

cis-1,3-Dichloropropene

Concen: 0.205 ug/l

RT: 9.58 min Scan# 2429

Delta R.T. -0.24 min

Lab File: VN059137.D

Acq: 8 Nov 2019 16:37

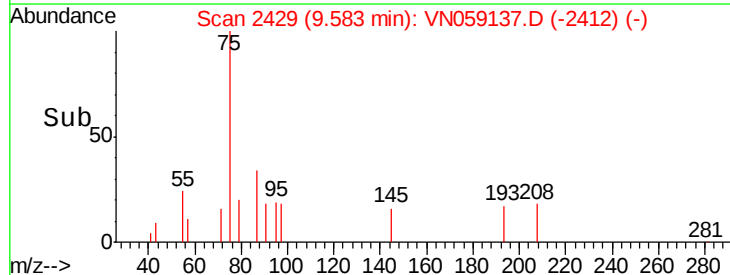
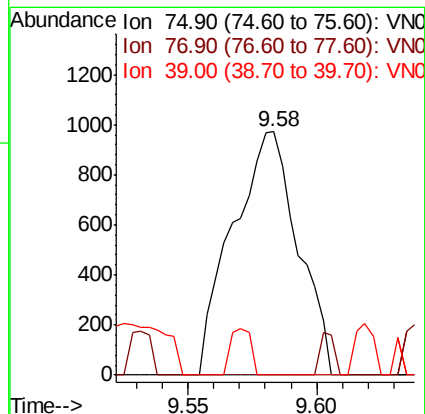
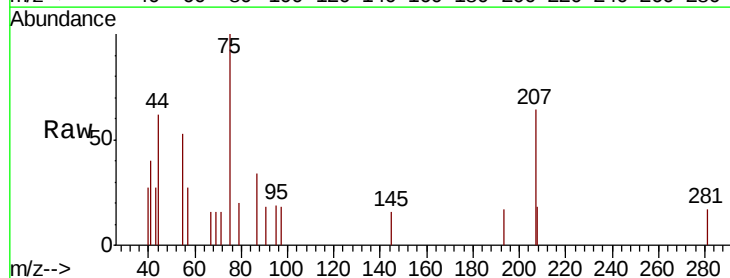
Tgt Ion: 75 Resp: 1711

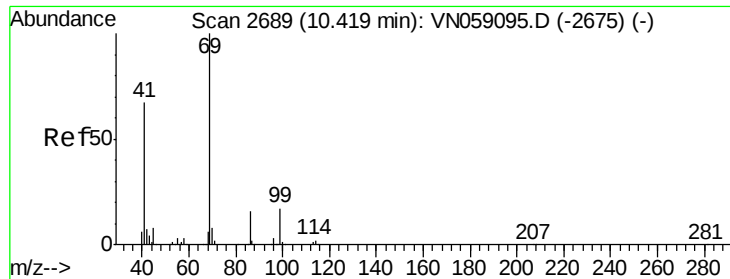
Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

39 0.0 37.3 55.9#





#56

Ethyl methacrylate

Concen: 1.901 ug/l

RT: 10.41 min Scan# 2687

Delta R.T. -0.01 min

Lab File: VN059137.D

Acq: 8 Nov 2019 16:37

Instrument :

MSVOA_N

ClientSampled :

SB-26-(6-8)

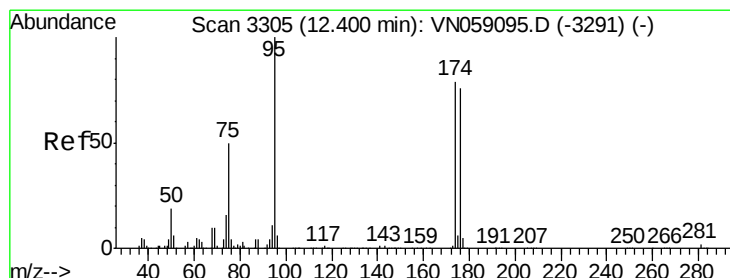
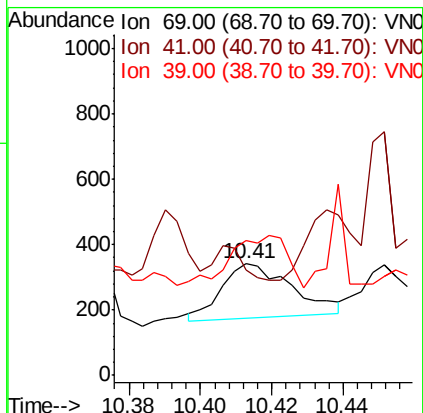
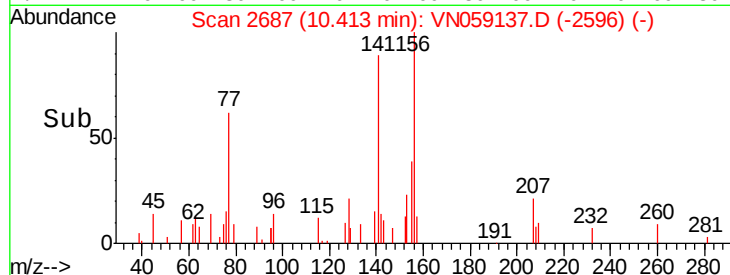
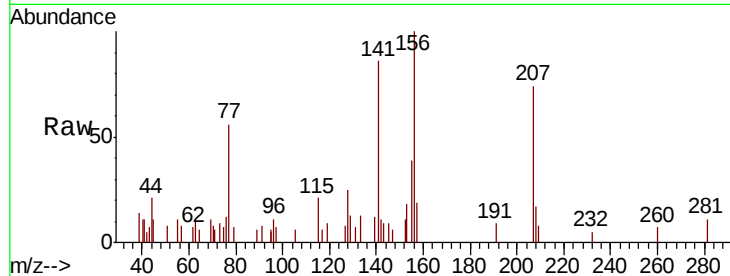
Tot Ion: 69 Resp: 231

Ion Ratio Lower Upper

69 100

41 24.7 53.6 80.4#

39 71.4 26.2 39.4#



#62

4-Bromofluorobenzene

Concen: 48.307 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059137.D

Acq: 8 Nov 2019 16:37

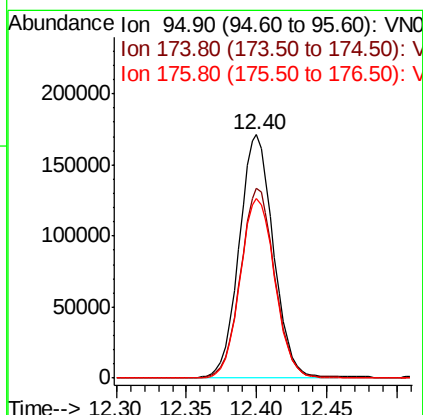
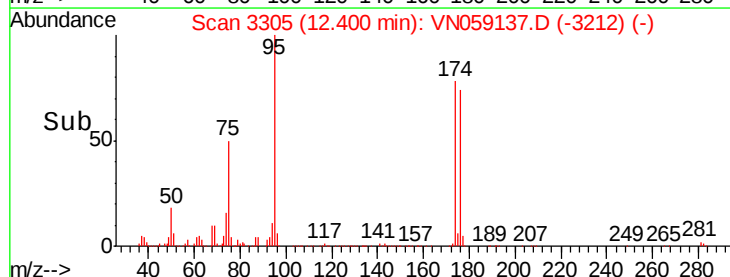
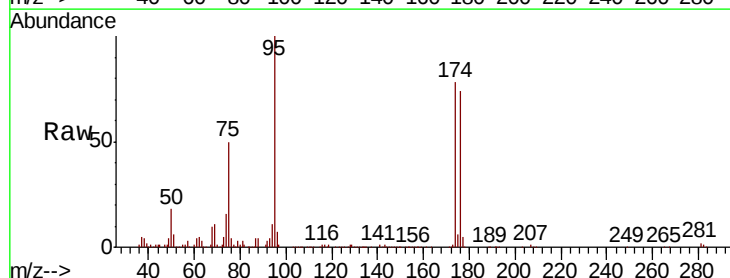
Tgt Ion: 95 Resp: 288999

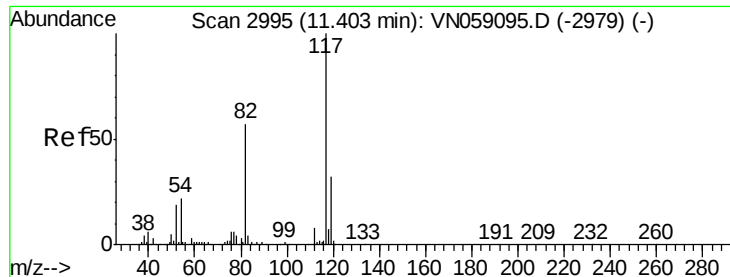
Ion Ratio Lower Upper

95 100

174 78.4 0.0 158.2

176 75.7 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059137.D

Acq: 8 Nov 2019 16:37

Instrument :

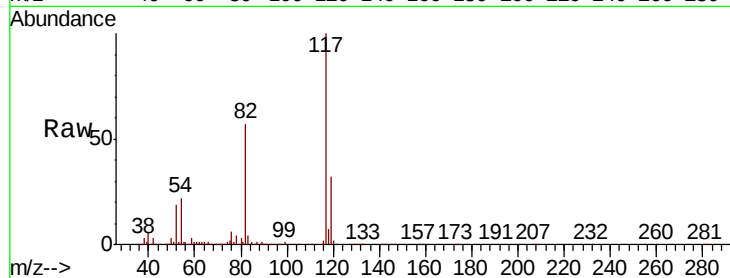
MSVOA_N

ClientSampleId :

SB-26-(6-8)

Tot Ion:117 Resp: 619760

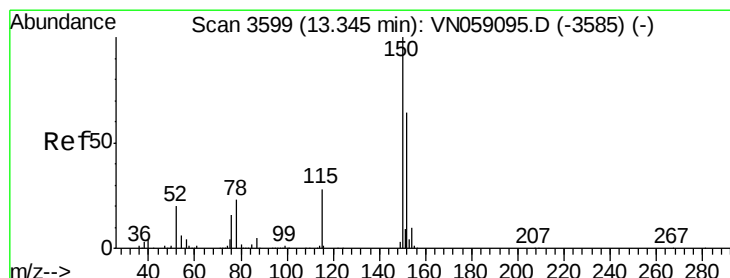
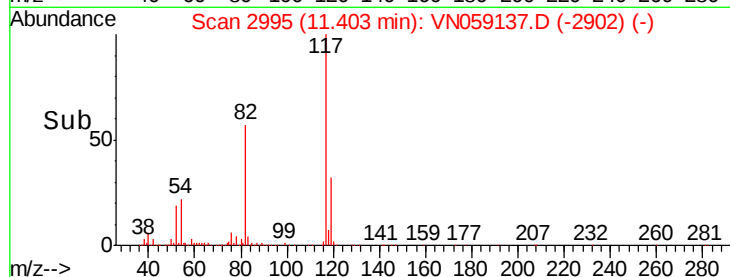
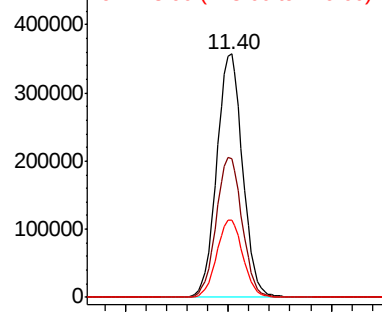
Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.8	68.8
119	31.7	25.8	38.6



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

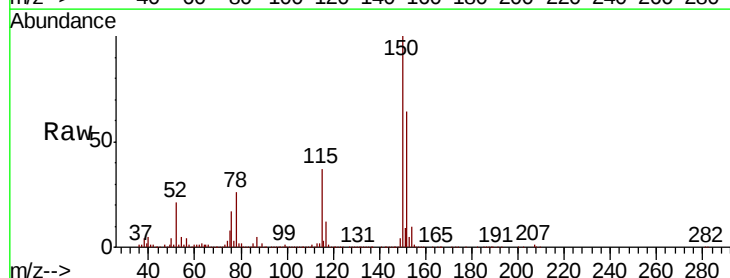
Delta R.T. -0.00 min

Lab File: VN059137.D

Acq: 8 Nov 2019 16:37

Tgt Ion:152 Resp: 255129

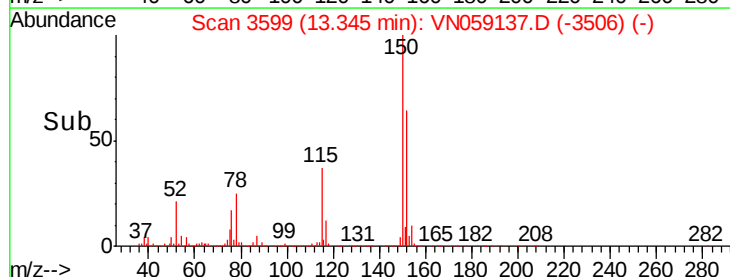
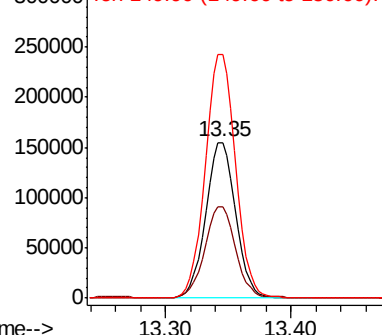
Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.4	88.2
150	158.8	0.0	345.8

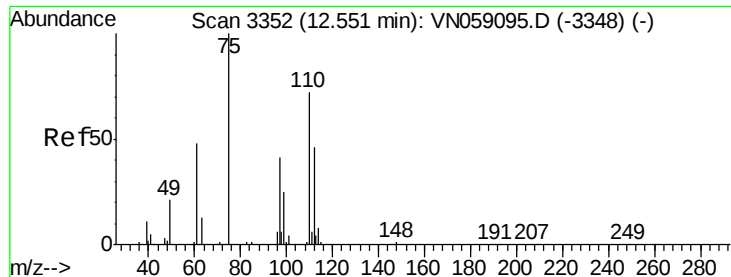


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.771 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059137.D

Acq: 8 Nov 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

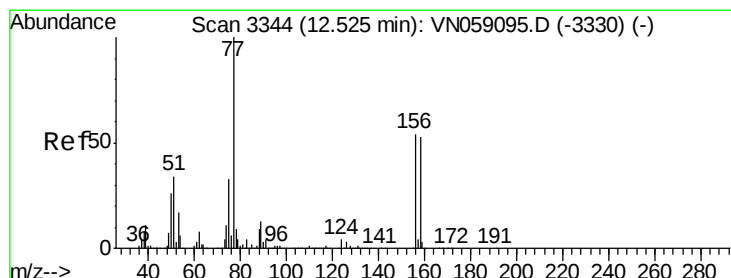
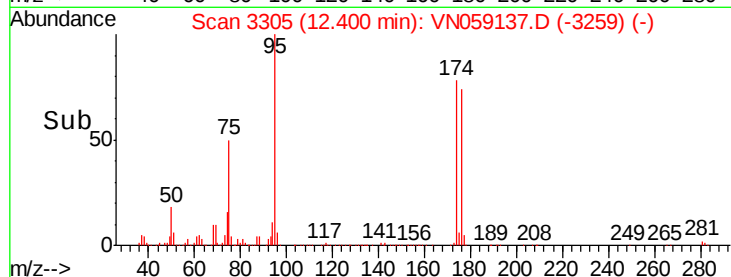
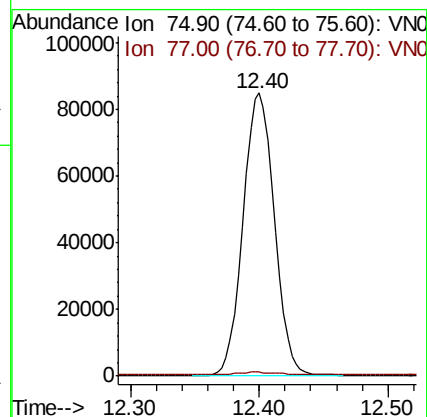
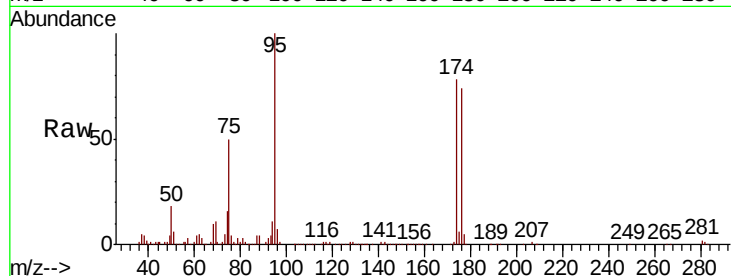
SB-26-(6-8)

Tot Ion: 75 Resp: 143878

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#77

Bromobenzene

Concen: 1.152 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.07 min

Lab File: VN059137.D

Acq: 8 Nov 2019 16:37

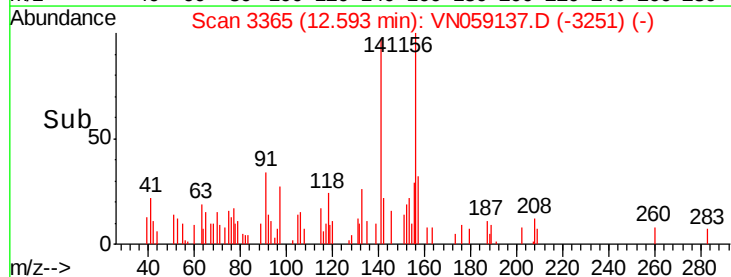
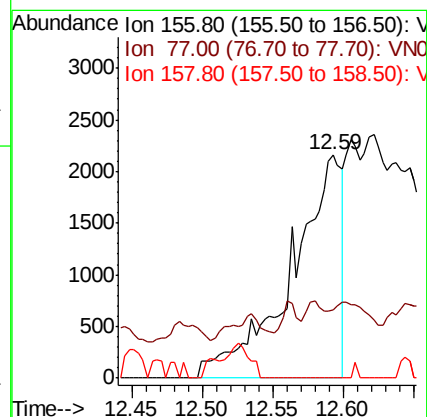
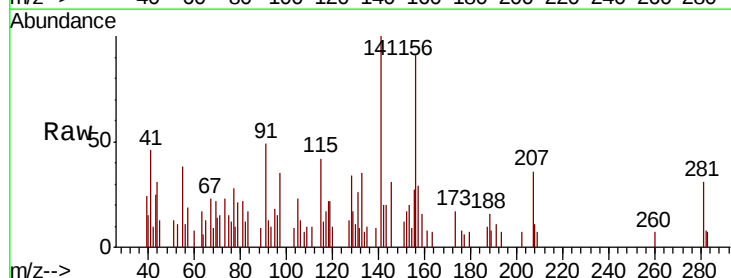
Tgt Ion: 156 Resp: 5372

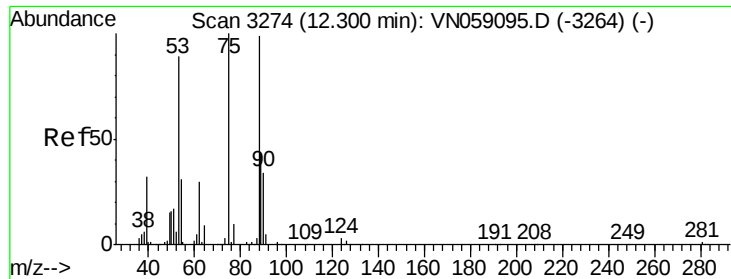
Ion Ratio Lower Upper

156 100

77 2.5 112.8 338.3#

158 0.0 48.4 145.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 65.426 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059137.D

Acq: 8 Nov 2019 16:37

Instrument :

MSVOA_N

ClientSampled :

SB-26-(6-8)

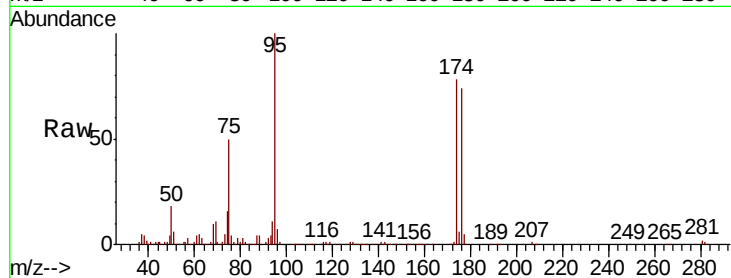
Tot Ion: 75 Resp: 143878

Ion Ratio Lower Upper

75 100

53 0.2 72.2 108.2#

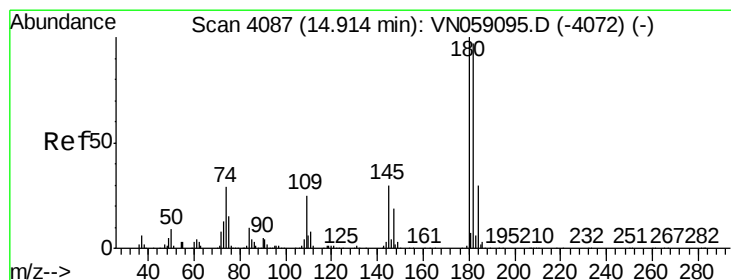
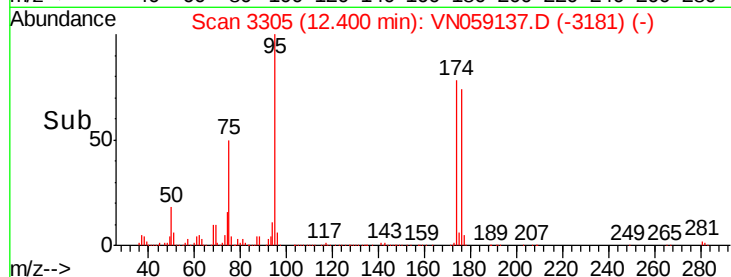
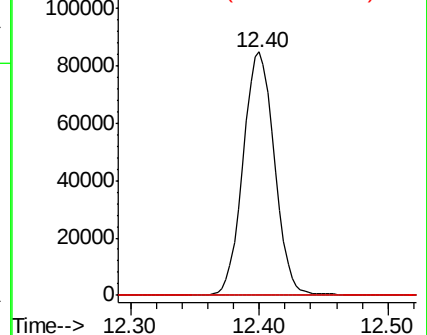
89 0.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VN059137.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN059137.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN059137.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.190 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN059137.D

Acq: 8 Nov 2019 16:37

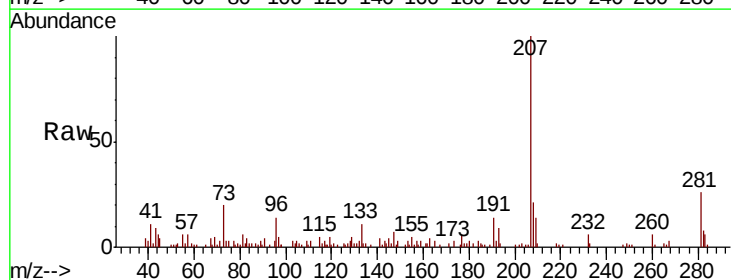
Tgt Ion: 180 Resp: 728

Ion Ratio Lower Upper

180 100

182 67.7 48.1 144.3

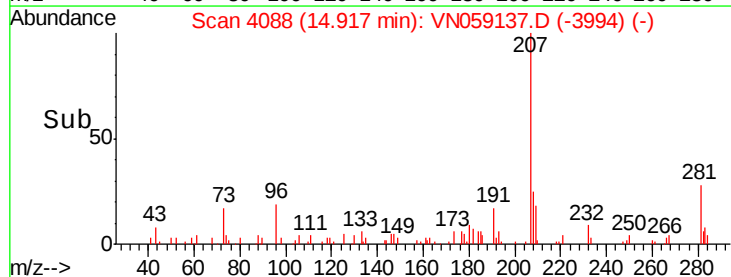
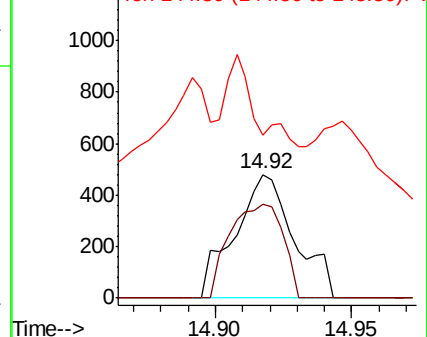
145 25.4 15.1 45.3

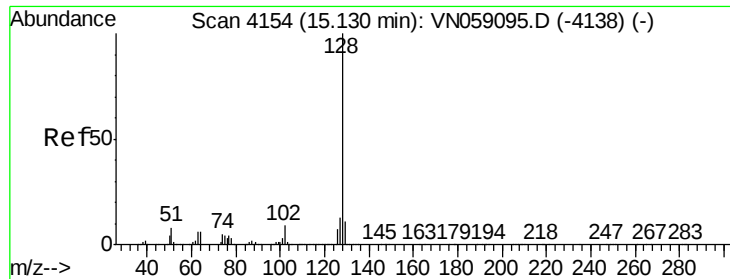


Abundance Ion 179.80 (179.50 to 180.50): VN059137.D (-3994) (-)

Ion 181.80 (181.50 to 182.50): VN059137.D (-3994) (-)

Ion 144.80 (144.50 to 145.50): VN059137.D (-3994) (-)





#95

Naphthalene

Concen: 3.329 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059137.D

Acq: 8 Nov 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

SB-26-(6-8)

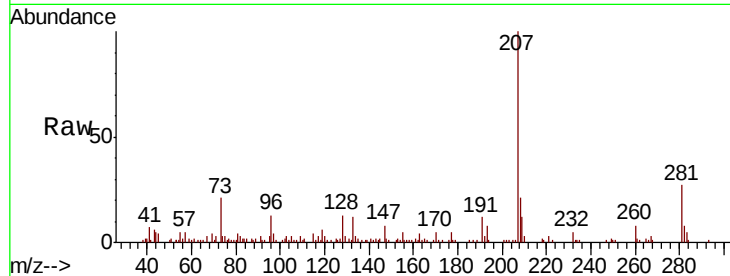
Tot Ion:128 Resp: 4005

Ion Ratio Lower Upper

128 100

127 2.1 10.2 15.2#

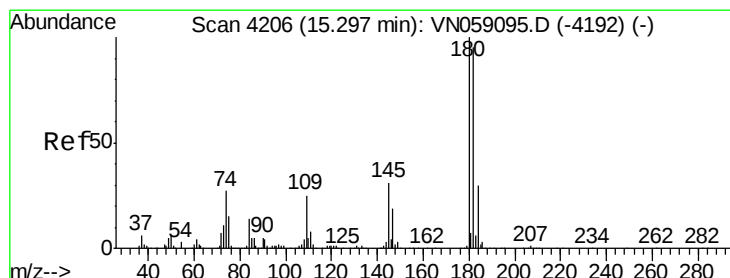
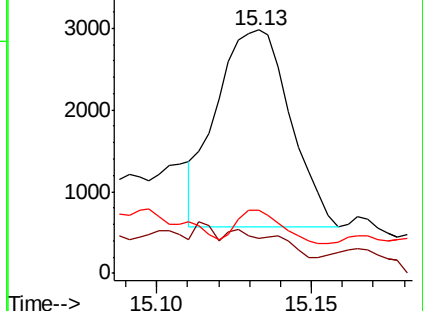
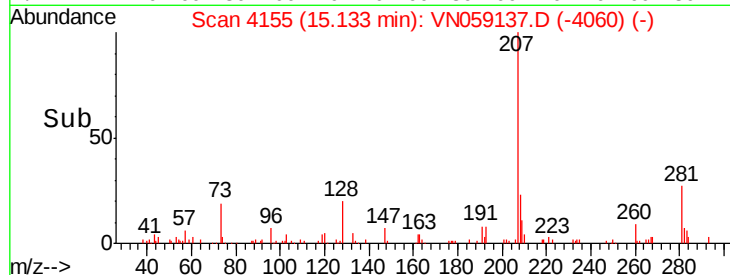
129 10.3 8.6 12.8



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: 0.290 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059137.D

Acq: 8 Nov 2019 16:37

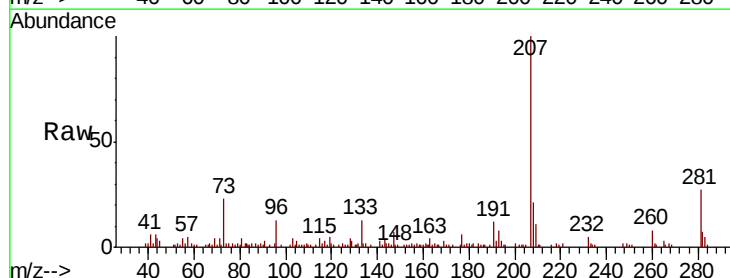
Tgt Ion:180 Resp: 1278

Ion Ratio Lower Upper

180 100

182 72.9 47.3 141.8

145 35.1 15.8 47.3



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

