

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091619\
 Data File : VN058126.D
 Acq On : 16 Sep 2019 17:57
 Operator : JC/SP
 Sample : K4878-20
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CSA-2-8

Quant Time: Sep 17 03:53:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	340345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	564706	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	521290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	277641	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	353202	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	7.58	113	239282	45.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.82%	
50) Toluene-d8	10.09	98	951612	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	
62) 4-Bromofluorobenzene	12.41	95	315093	40.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.72%	

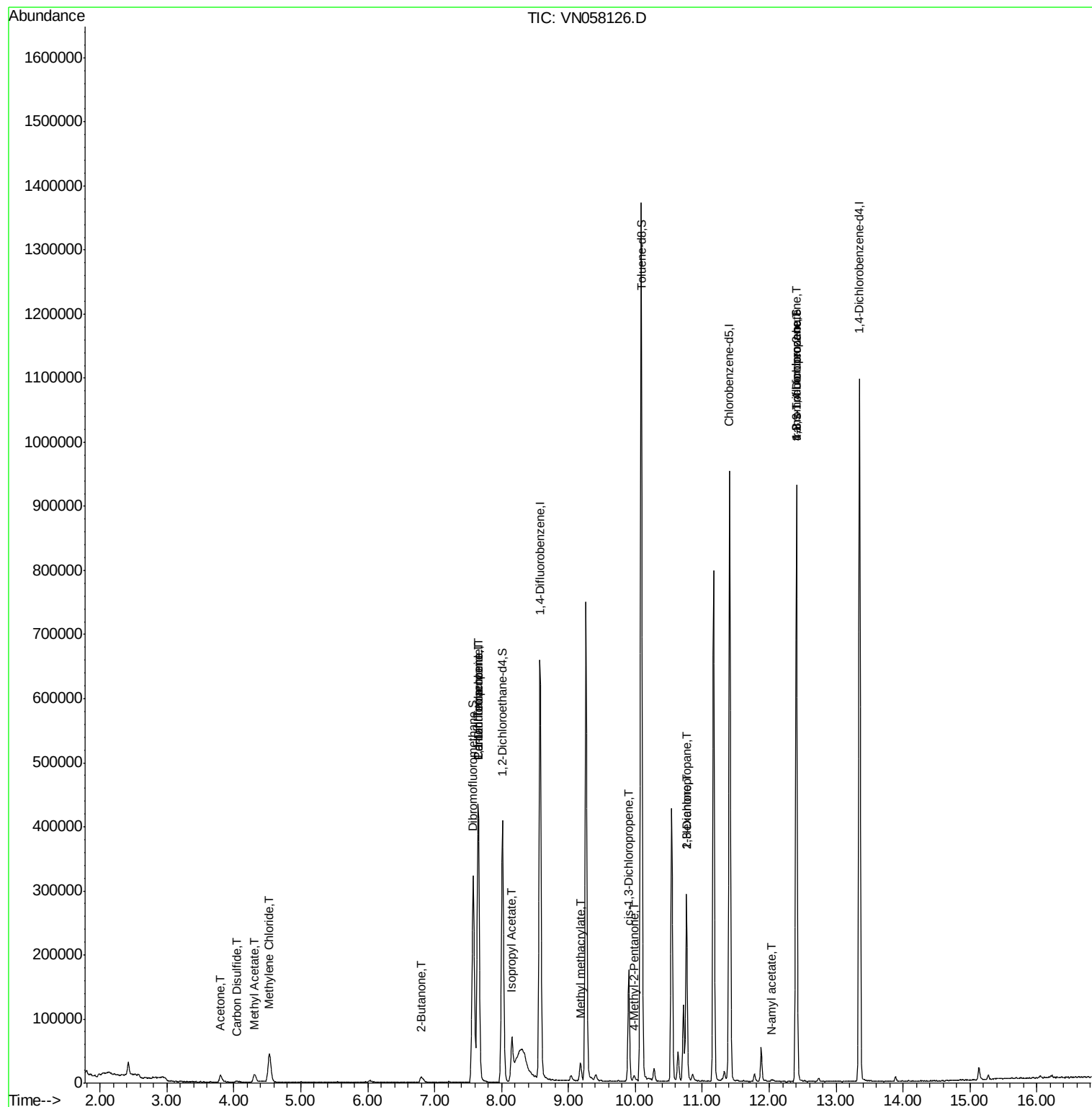
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.42	94	181	Below Cal	#	2
16) Acetone	3.80	43	18456	8.167	ug/l	93
17) Carbon Disulfide	4.04	76	648	0.273	ug/l #	75
18) Methyl Acetate	4.30	43	24862	4.126	ug/l	97
20) Methylene Chloride	4.53	84	31742	6.303	ug/l	96
25) 2-Butanone	6.81	43	830	0.254	ug/l #	84
31) Cyclohexane	7.65	56	8680	Below Cal	#	3
36) 1,1-Dichloropropene	7.65	75	28698	4.382	ug/l #	47
38) Carbon Tetrachloride	7.65	117	34488	5.768	ug/l #	16
43) Isopropyl Acetate	8.15	43	90209	7.928	ug/l #	83
48) Methyl methacrylate	9.18	41	5128	0.888	ug/l #	35
51) 4-Methyl-2-Pentanone	9.98	43	6521	0.968	ug/l	97
54) cis-1,3-Dichloropropene	9.90	75	28637	3.558	ug/l #	75
57) 1,3-Dichloropropane	10.77	76	3045	0.336	ug/l #	43
59) 2-Hexanone	10.76	43	43449	8.609	ug/l #	56
74) N-amyl acetate	12.04	43	3042	0.324	ug/l #	47
76) 1,2,3-Trichloropropane	12.41	75	172690	27.495	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	172690	96.756	ug/l #	6
95) Naphthalene	15.13	128	16124	Below Cal		100

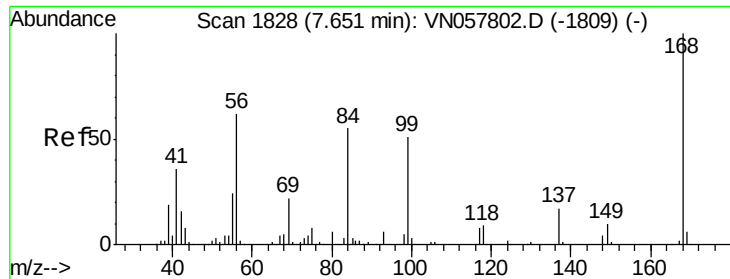
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058126.D

Acq: 16 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

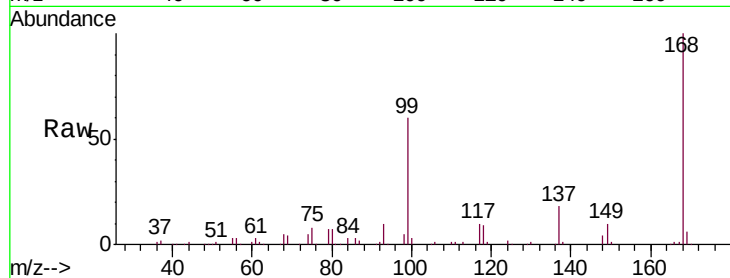
CSA-2-8

Tgt Ion:168 Resp: 340345

Ion Ratio Lower Upper

168 100

99 60.3 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

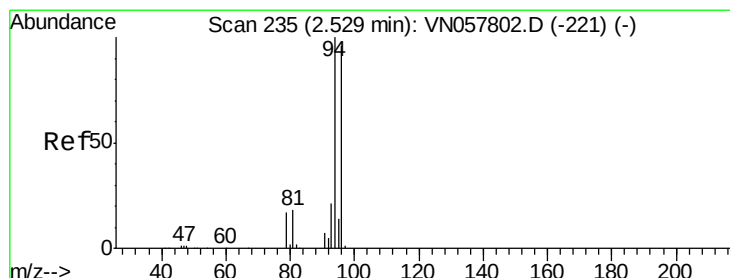
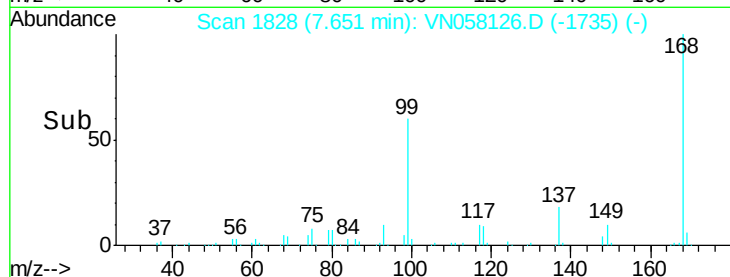
100000

50000

0

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.42 min Scan# 200

Delta R.T. -0.11 min

Lab File: VN058126.D

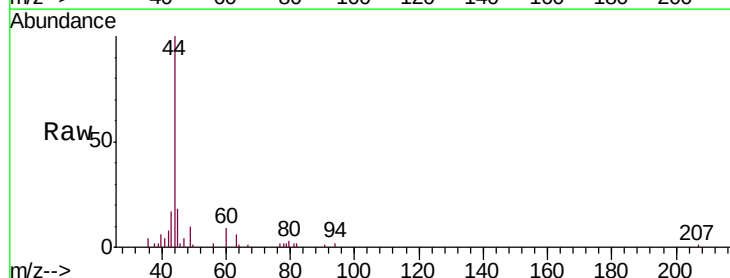
Acq: 16 Sep 2019 17:57

Tgt Ion: 94 Resp: 181

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.42

250

200

150

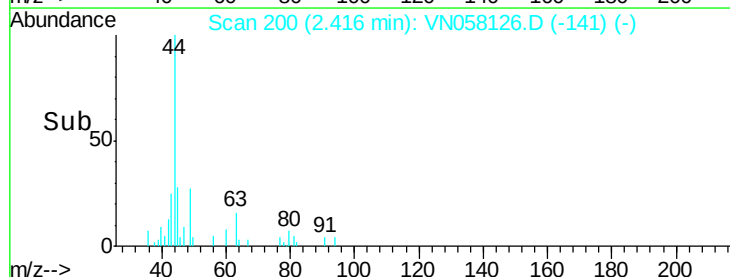
100

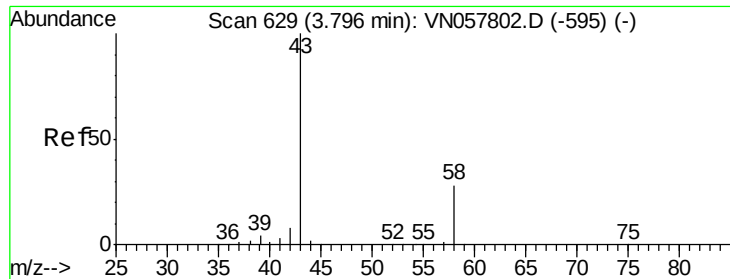
50

0

2.40 2.41 2.42 2.43 2.44

Time-->





#16

Acetone

Concen: 8.167 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058126.D

Acq: 16 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

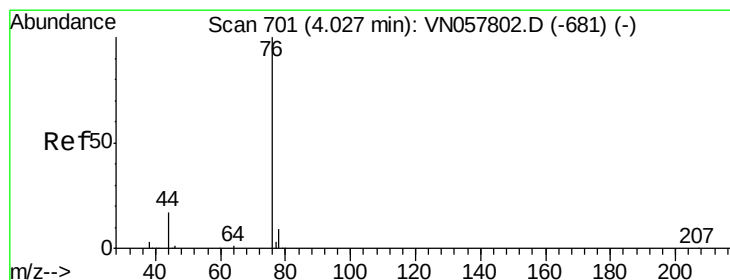
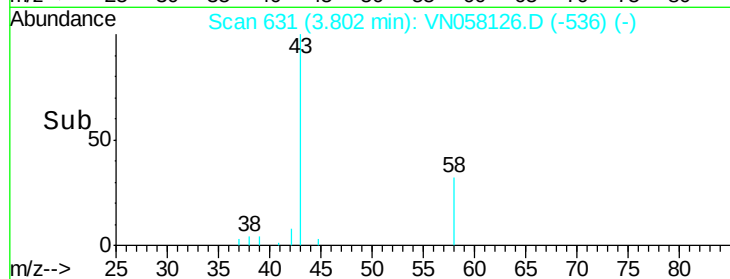
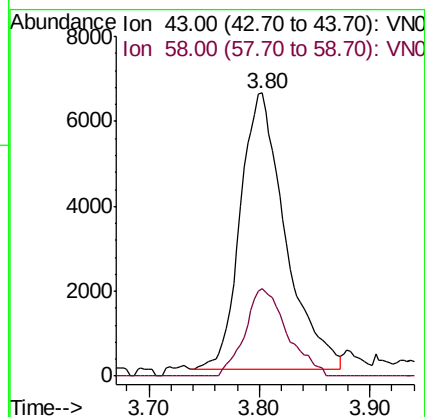
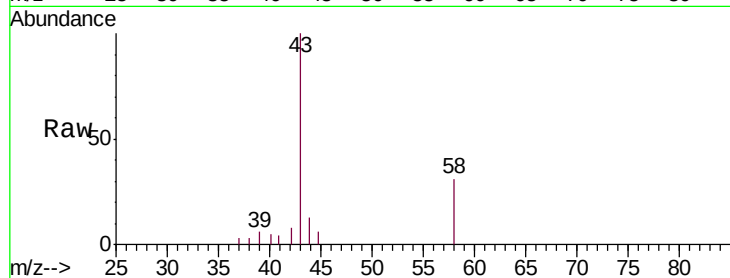
CSA-2-8

Tgt Ion: 43 Resp: 18456

Ion Ratio Lower Upper

43 100

58 31.6 22.2 33.2



#17

Carbon Disulfide

Concen: 0.273 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VN058126.D

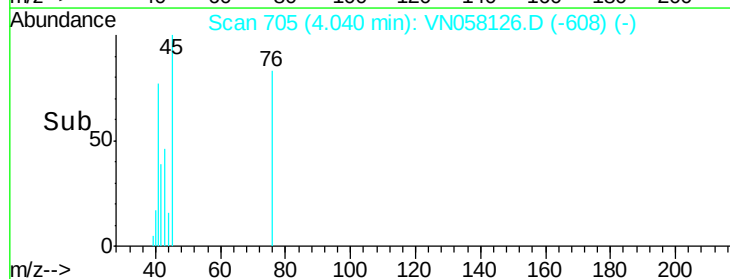
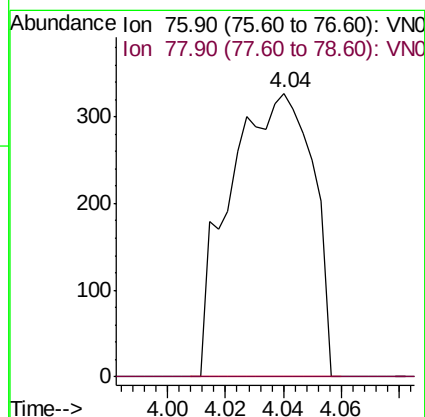
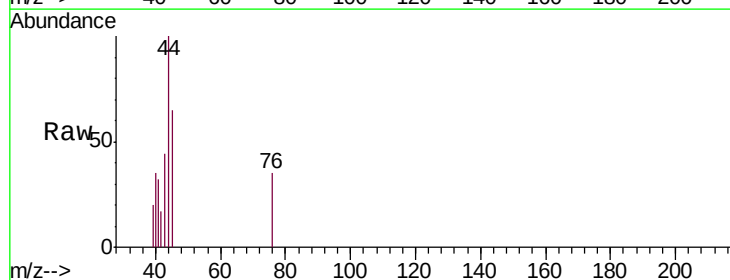
Acq: 16 Sep 2019 17:57

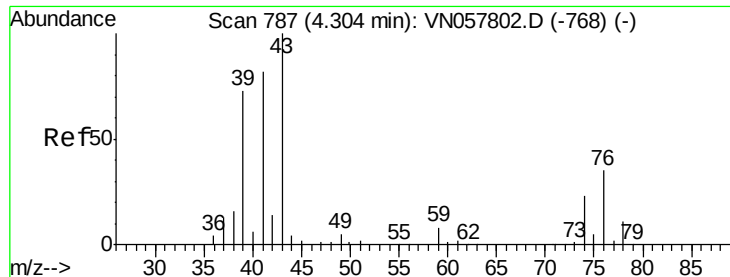
Tgt Ion: 76 Resp: 648

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

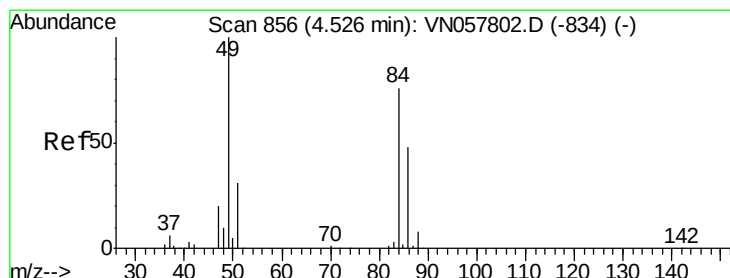
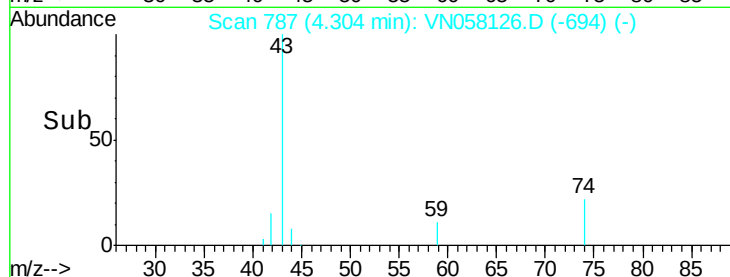
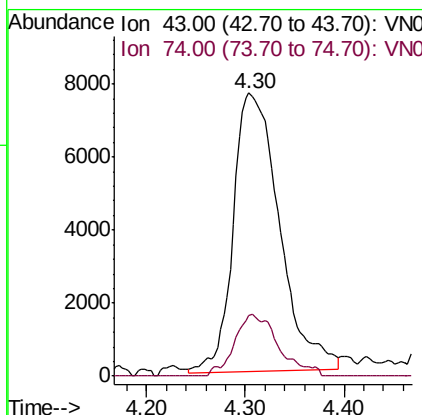
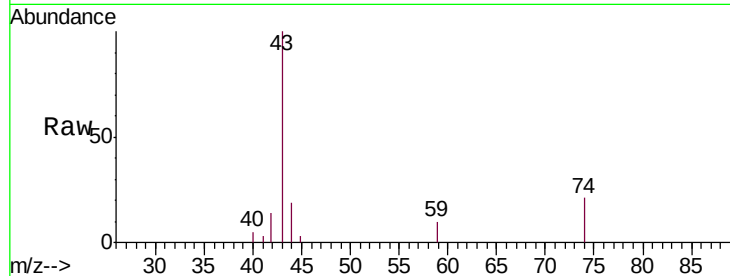




#18
Methyl Acetate
Concen: 4.126 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058126.D
Acq: 16 Sep 2019 17:57

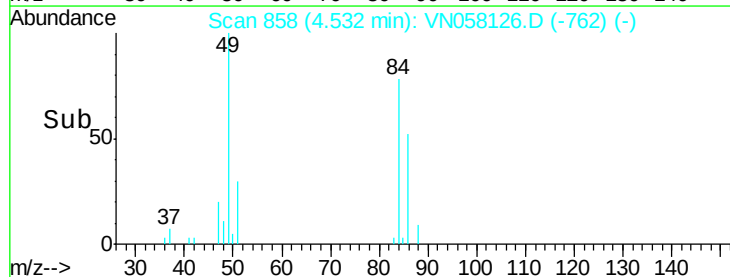
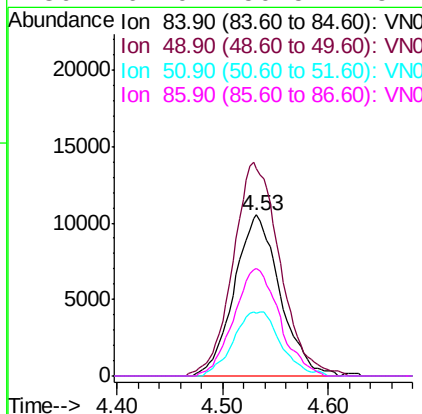
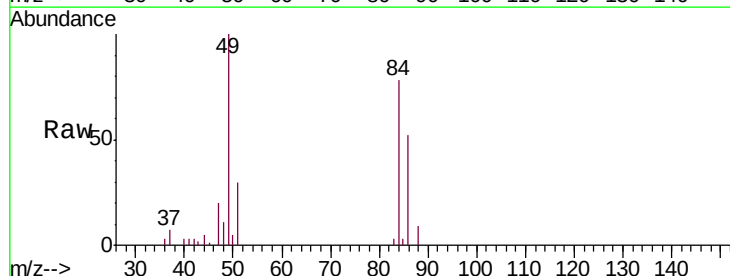
Instrument :
MSVOA_N
ClientSampleId :
CSA-2-8

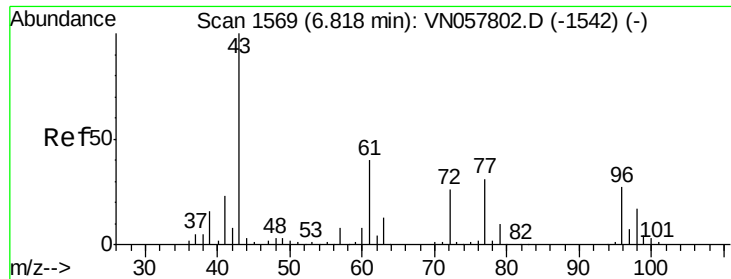
Tgt Ion: 43 Resp: 24862
Ion Ratio Lower Upper
43 100
74 21.2 17.9 26.9



#20
Methylene Chloride
Concen: 6.303 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058126.D
Acq: 16 Sep 2019 17:57

Tgt Ion: 84 Resp: 31742
Ion Ratio Lower Upper
84 100
49 127.1 104.8 157.2
51 39.1 33.0 49.4
86 67.0 50.5 75.7





#25

2-Butanone

Concen: 0.254 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN058126.D

Acq: 16 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampled :

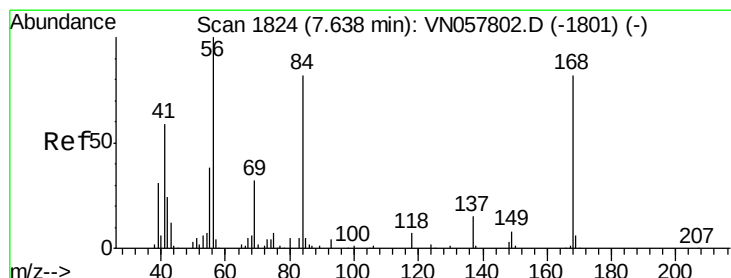
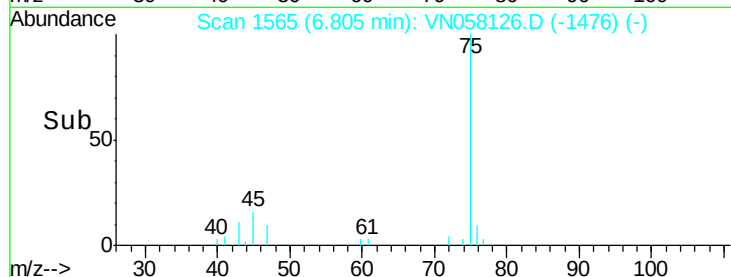
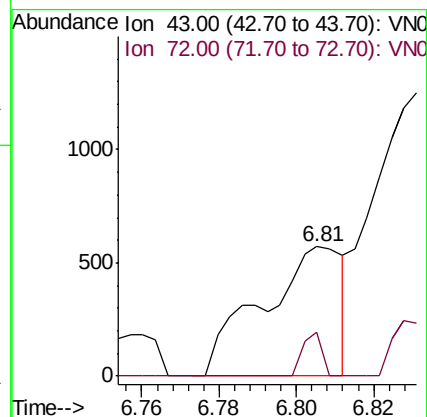
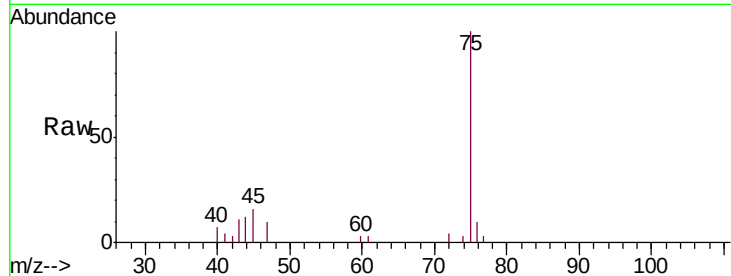
CSA-2-8

Tgt Ion: 43 Resp: 830

Ion Ratio Lower Upper

43 100

72 33.6 20.6 30.8#



#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN058126.D

Acq: 16 Sep 2019 17:57

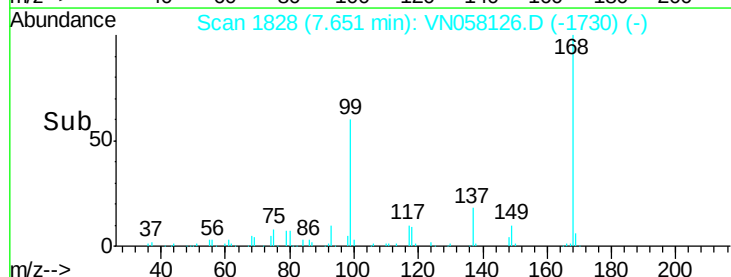
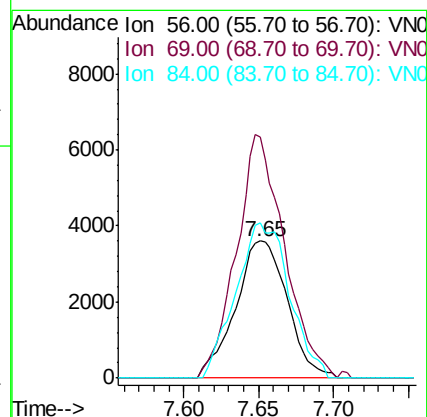
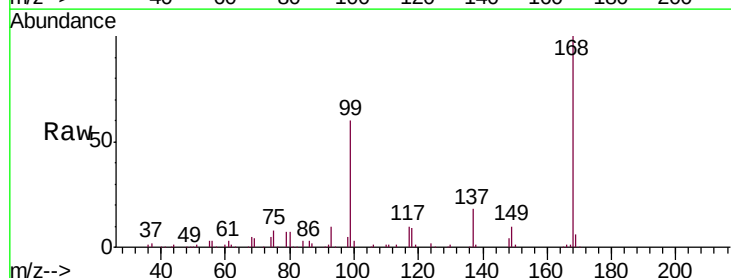
Tgt Ion: 56 Resp: 8680

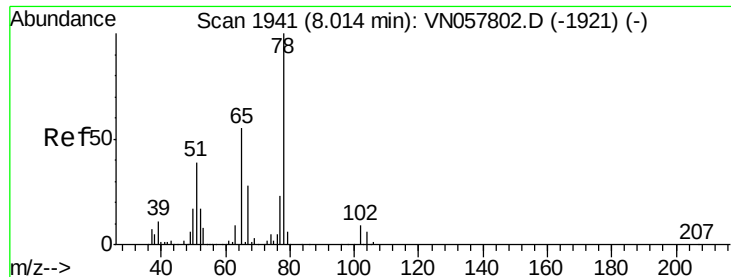
Ion Ratio Lower Upper

56 100

69 175.8 25.9 38.9#

84 113.2 65.6 98.4#

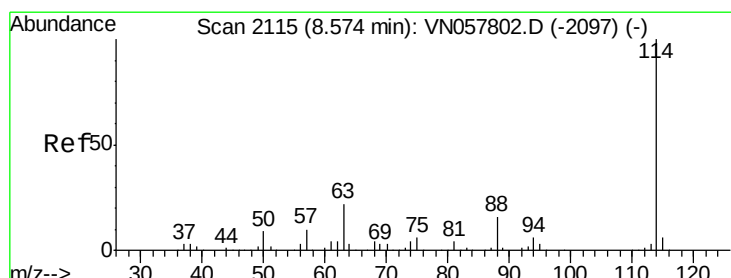
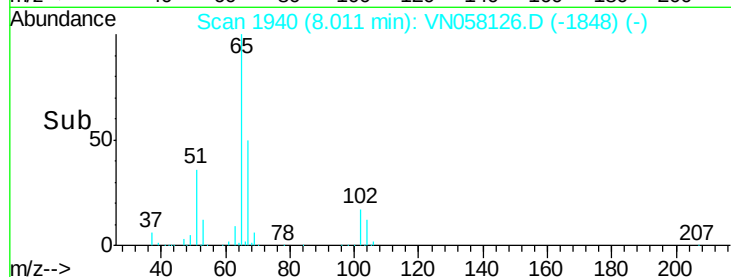
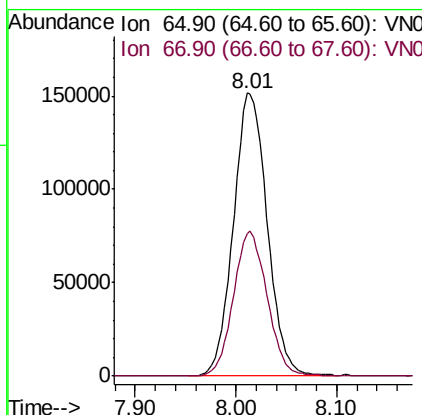
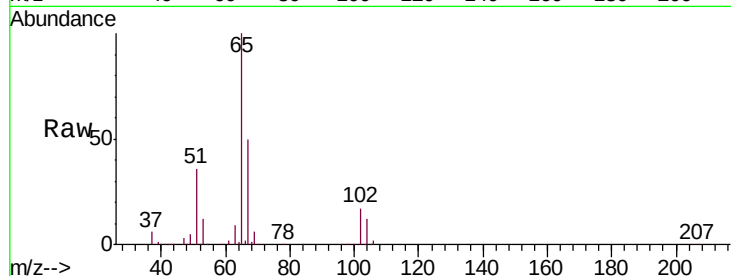




#33
 1,2-Dichloroethane-d4
 Concen: 51.238 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058126.D
 Acq: 16 Sep 2019 17:57

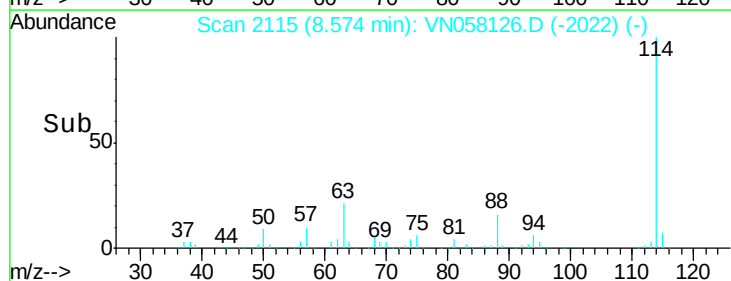
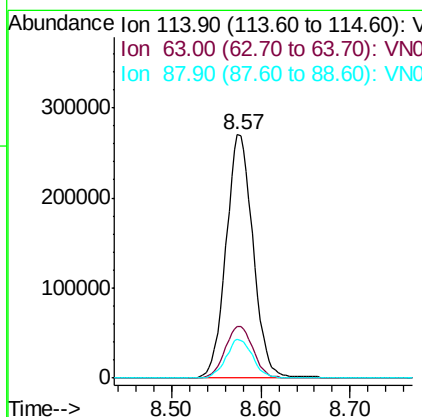
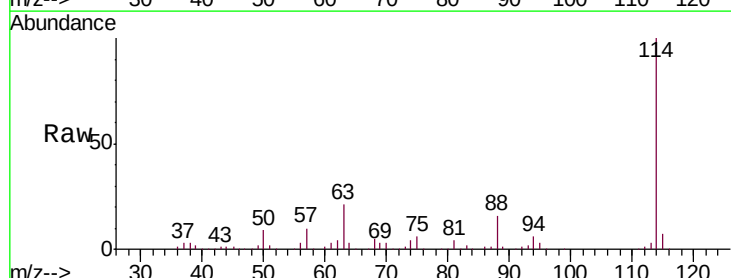
Instrument :
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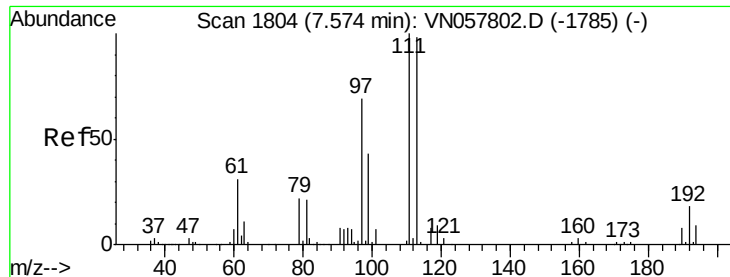
Tgt Ion: 65 Resp: 353202
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058126.D
 Acq: 16 Sep 2019 17:57

Tgt Ion: 114 Resp: 564706
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 44.0
 88 15.9 0.0 31.4

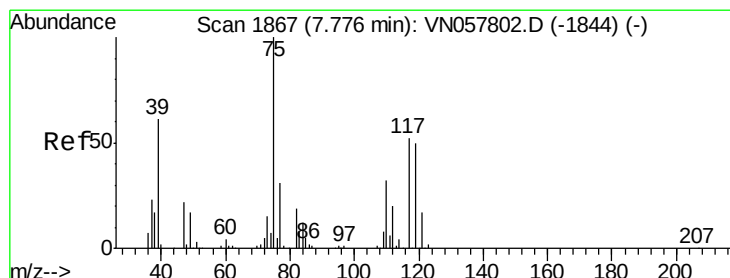
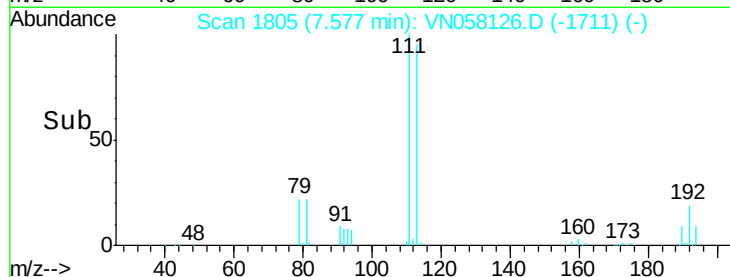
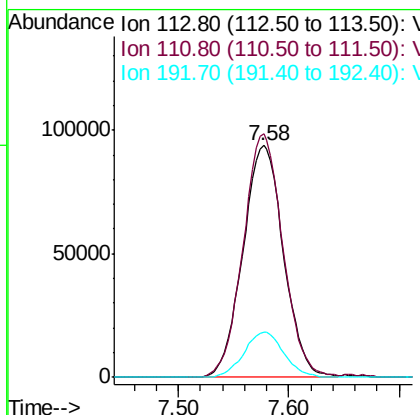
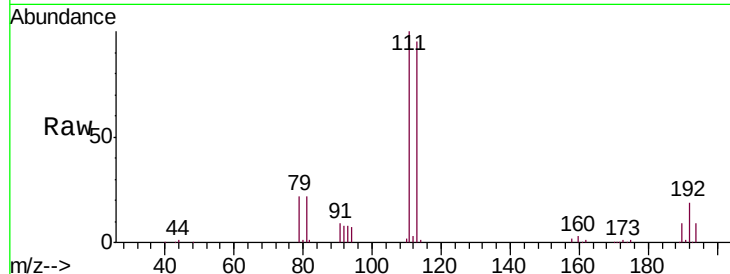




#35
 Dibromofluoromethane
 Concen: 45.910 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058126.D
 Acq: 16 Sep 2019 17:57

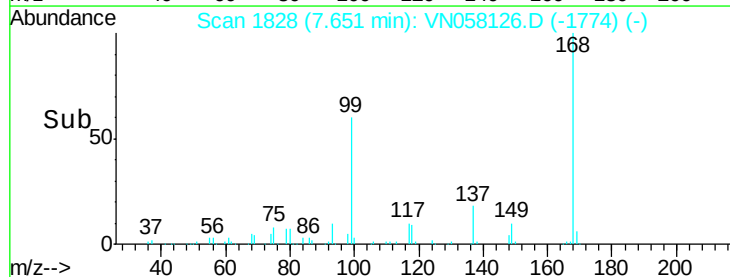
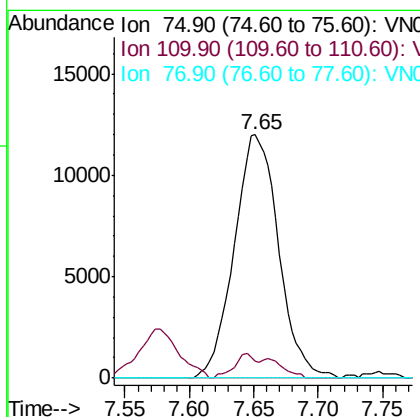
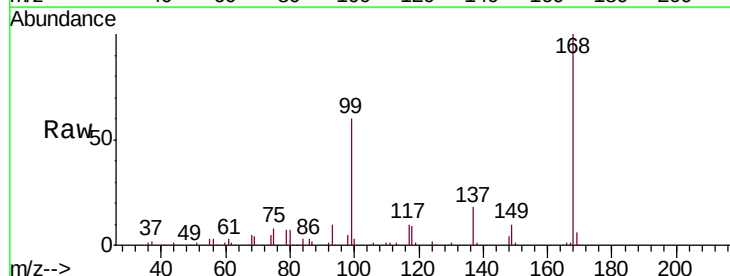
Instrument :
 MSVOA_N
 ClientSampled :
 CSA-2-8

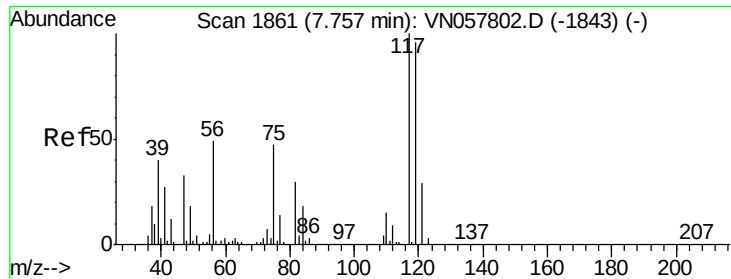
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.3	121.9
192	19.3	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 4.382 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058126.D
 Acq: 16 Sep 2019 17:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.0	16.3	48.9#
77	0.0	25.0	37.4#

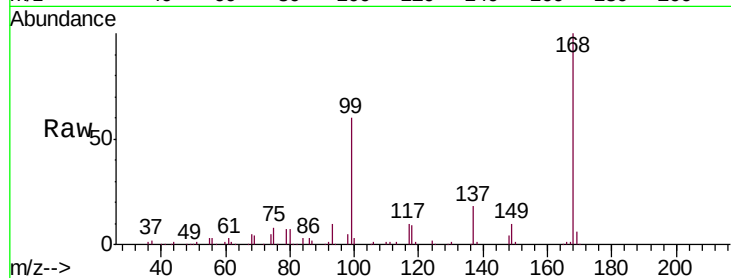




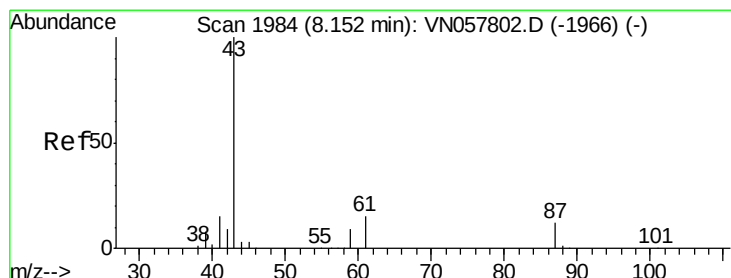
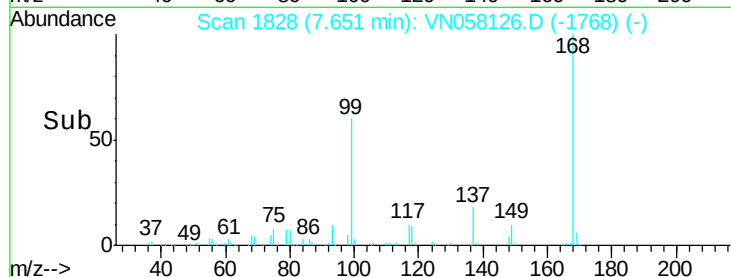
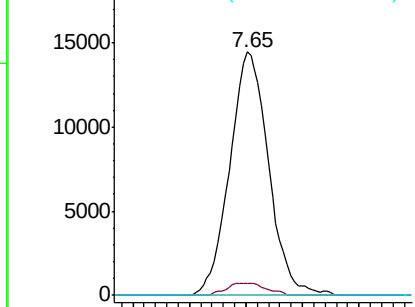
#38
Carbon Tetrachloride
Concen: 5.768 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN058126.D
Acq: 16 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampled :
CSA-2-8

Tgt Ion:117 Resp: 34488
Ion Ratio Lower Upper
117 100
119 4.9 76.9 115.3#
121 0.0 23.4 35.2#

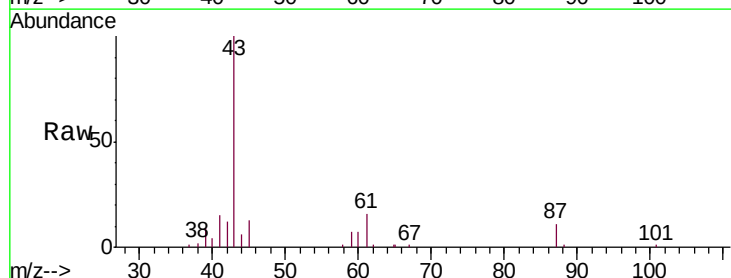


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

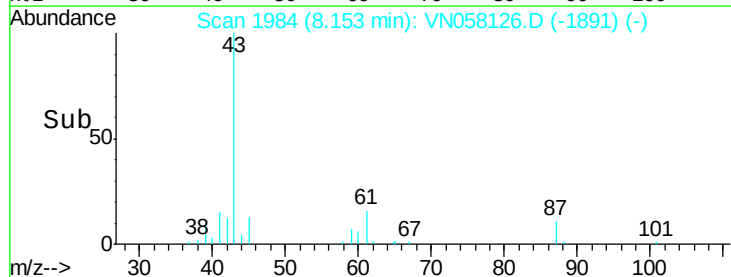
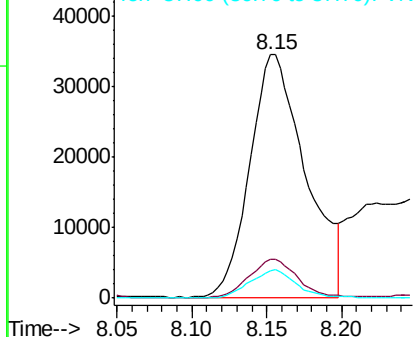


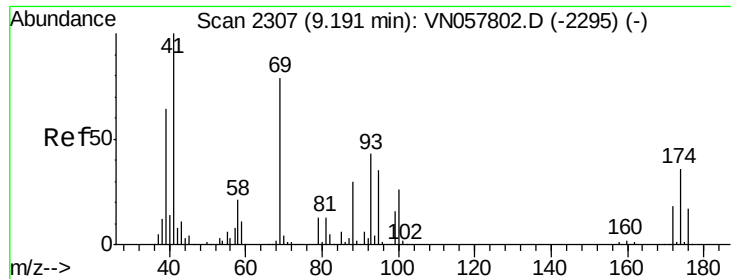
#43
Isopropyl Acetate
Concen: 7.928 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058126.D
Acq: 16 Sep 2019 17:57

Tgt Ion: 43 Resp: 90209
Ion Ratio Lower Upper
43 100
61 13.8 20.1 30.1#
87 9.6 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

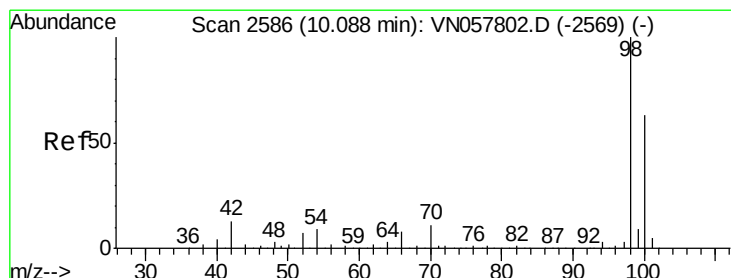
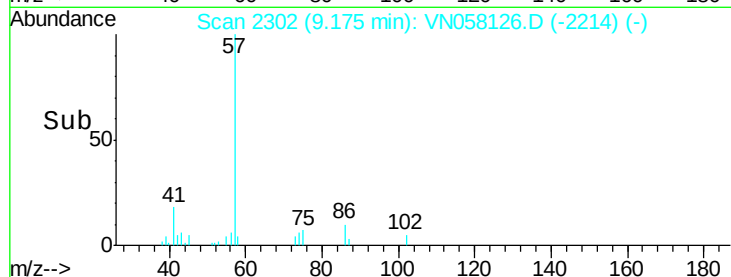
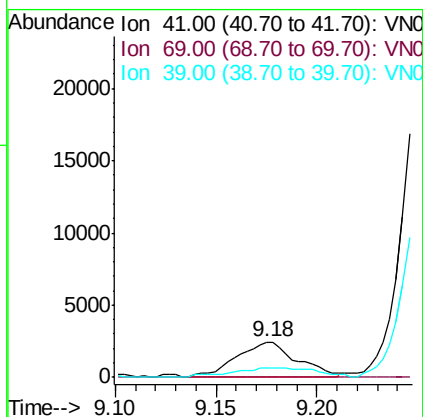
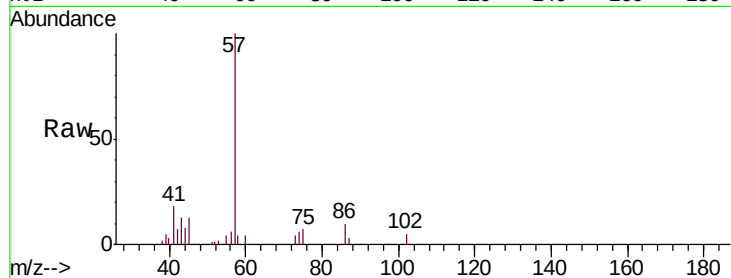




#48
Methyl methacrylate
Concen: 0.888 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VN058126.D
Acq: 16 Sep 2019 17:57

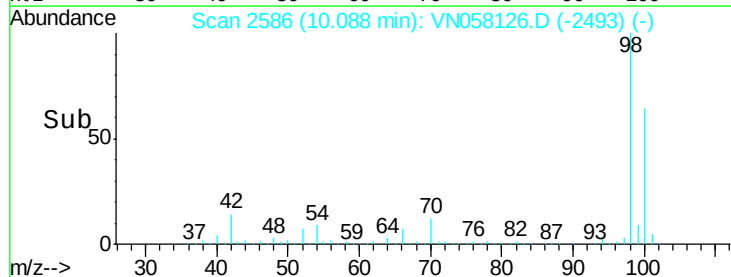
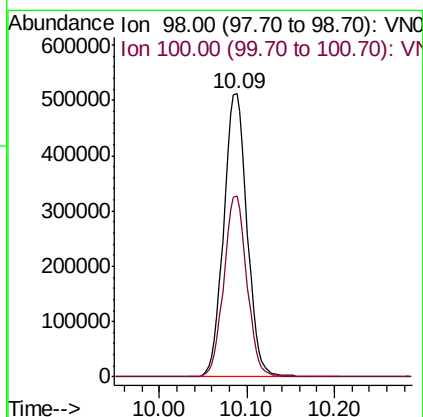
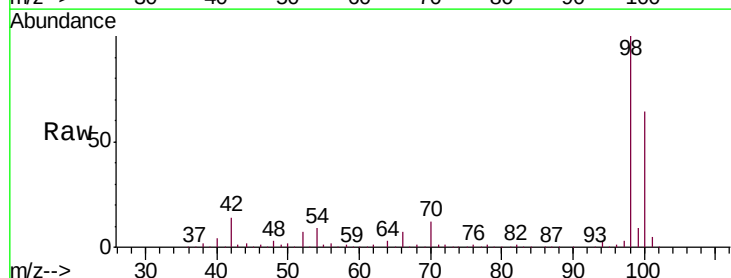
Instrument :
MSVOA_N
ClientSampled :
CSA-2-8

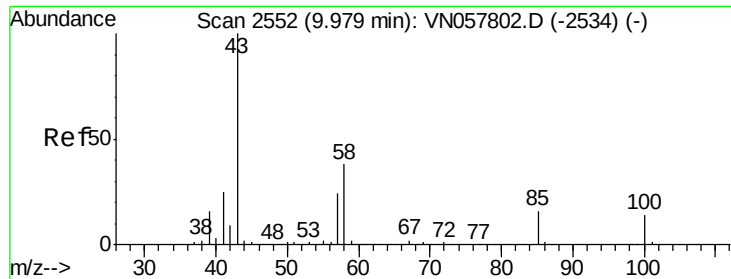
Tgt Ion: 41 Resp: 5128
Ion Ratio Lower Upper
41 100
69 0.0 62.7 94.1#
39 37.1 52.7 79.1#



#50
Toluene-d8
Concen: 47.026 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN058126.D
Acq: 16 Sep 2019 17:57

Tgt Ion: 98 Resp: 951612
Ion Ratio Lower Upper
98 100
100 62.8 50.3 75.5

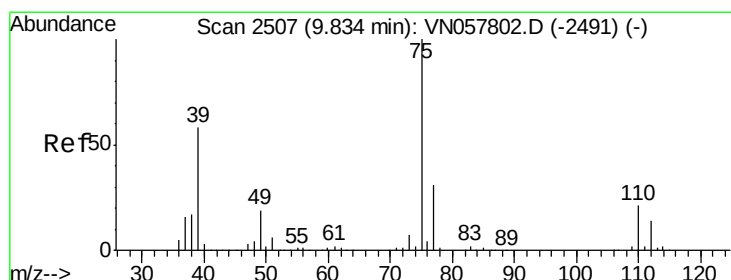
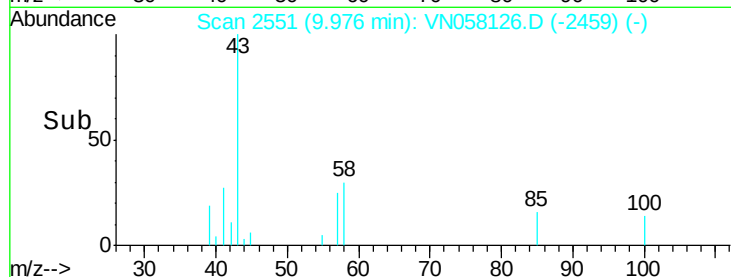
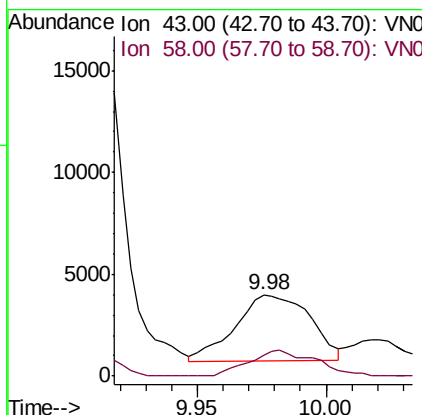
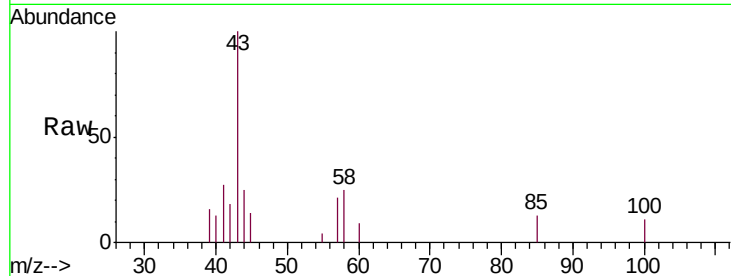




#51
 4-Methyl-2-Pentanone
 Concen: 0.968 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. -0.00 min
 Lab File: VN058126.D
 Acq: 16 Sep 2019 17:57

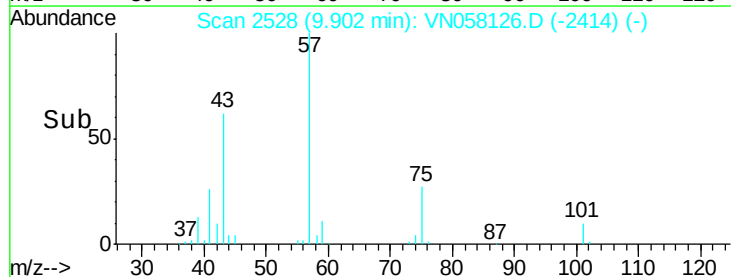
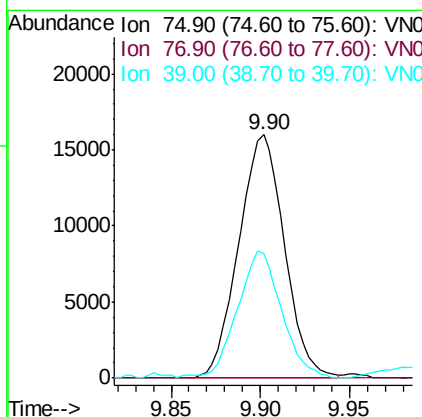
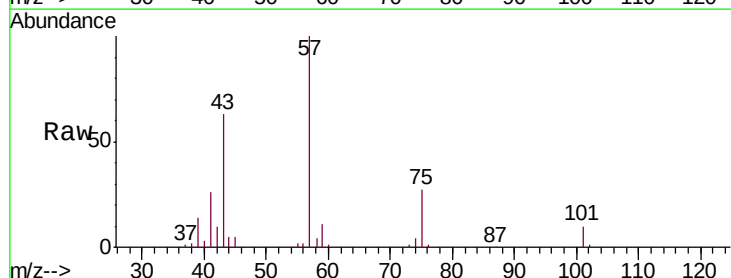
Instrument :
 MSVOA_N
 ClientSampled :
 CSA-2-8

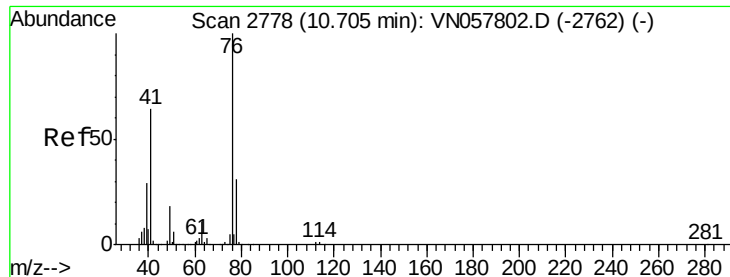
Tgt Ion: 43 Resp: 6521
 Ion Ratio Lower Upper
 43 100
 58 35.3 29.8 44.6



#54
 cis-1,3-Dichloropropene
 Concen: 3.558 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. 0.07 min
 Lab File: VN058126.D
 Acq: 16 Sep 2019 17:57

Tgt Ion: 75 Resp: 28637
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 51.3 46.2 69.4

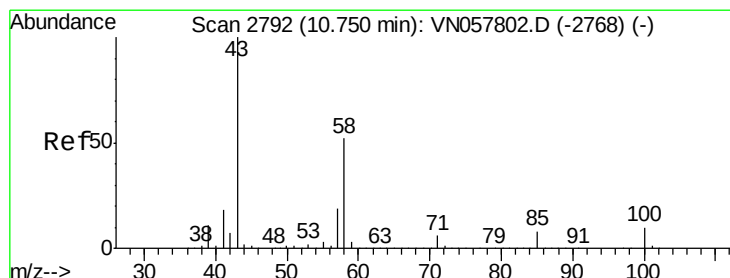
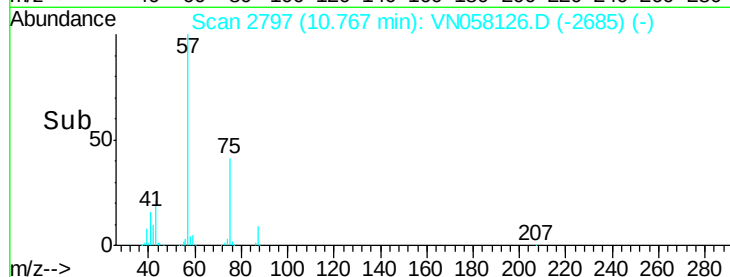
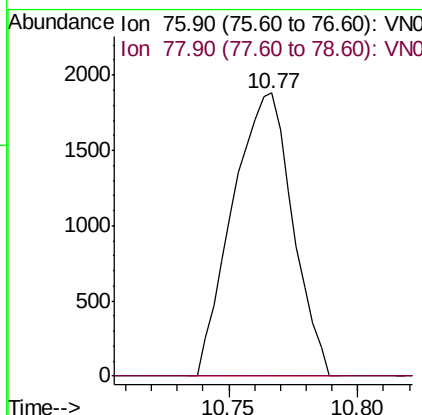
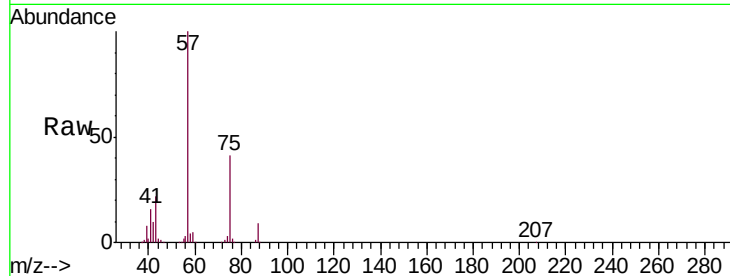




#57
 1,3-Dichloropropane
 Concen: 0.336 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN058126.D
 Acq: 16 Sep 2019 17:57

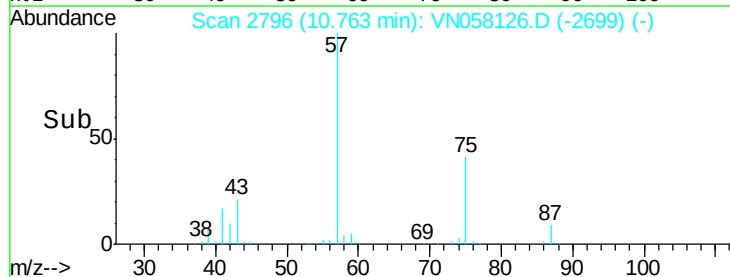
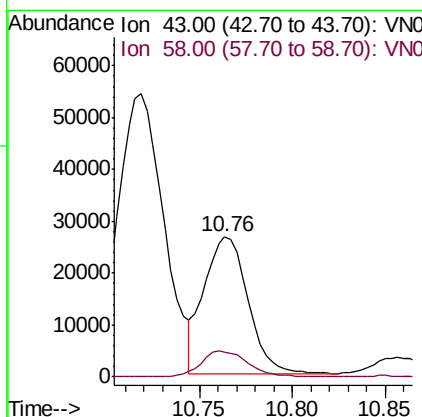
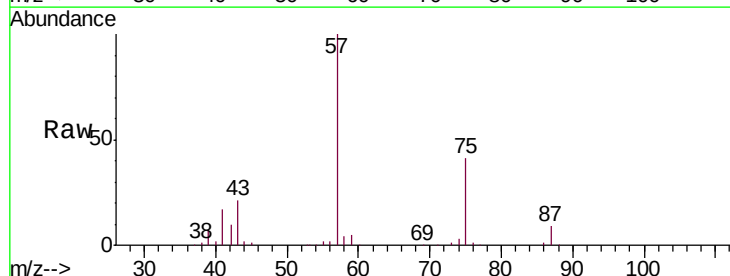
Instrument :
 MSVOA_N
 ClientSampleId :
 CSA-2-8

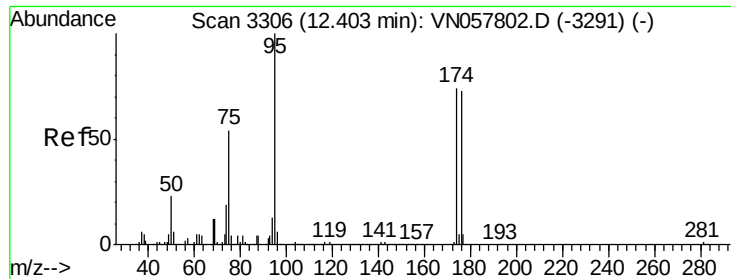
Tgt Ion: 76 Resp: 3045
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.2#



#59
 2-Hexanone
 Concen: 8.609 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN058126.D
 Acq: 16 Sep 2019 17:57

Tgt Ion: 43 Resp: 43449
 Ion Ratio Lower Upper
 43 100
 58 20.3 25.6 76.8#





#62

4-Bromofluorobenzene

Concen: 40.859 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058126.D

Acq: 16 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampled :

CSA-2-8

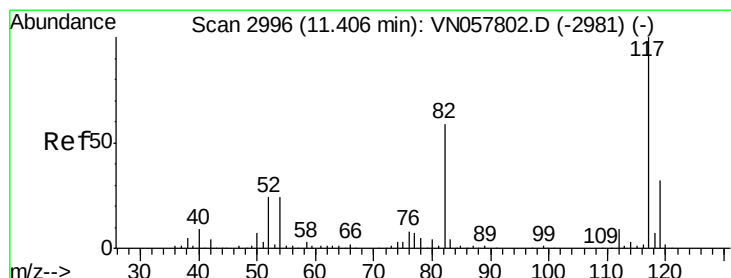
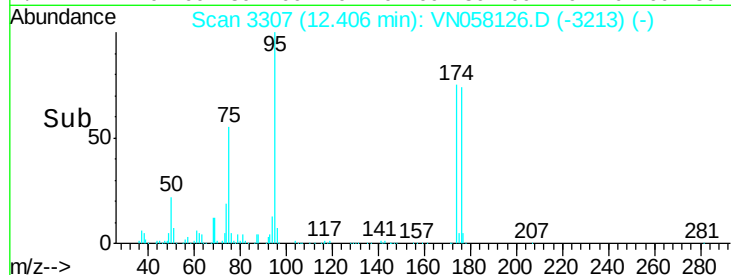
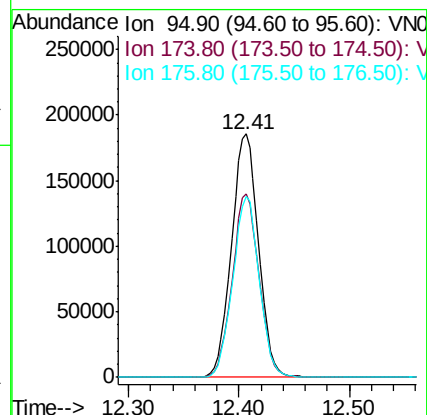
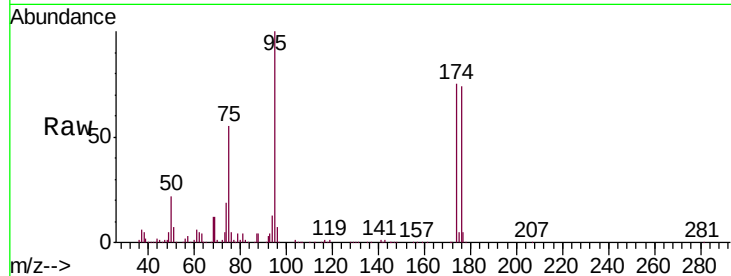
Tgt Ion: 95 Resp: 315093

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.2

176 72.9 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058126.D

Acq: 16 Sep 2019 17:57

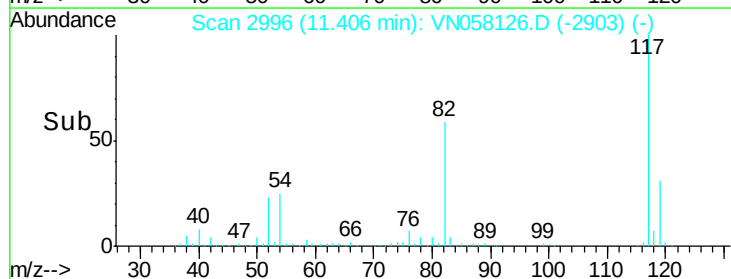
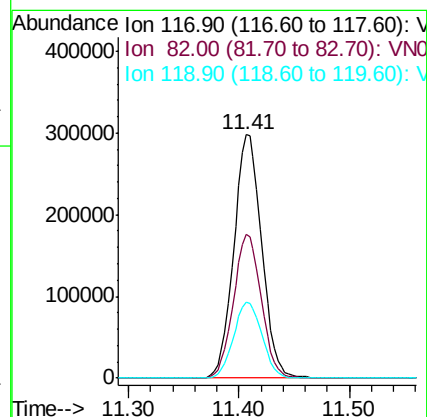
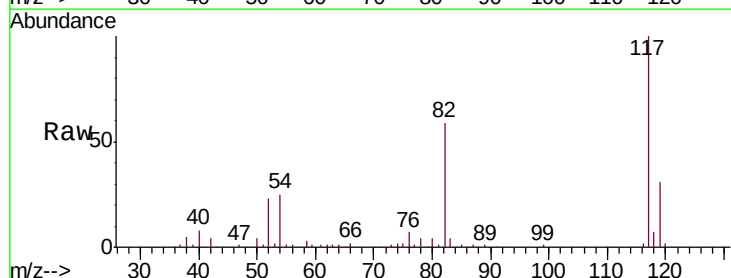
Tgt Ion: 117 Resp: 521290

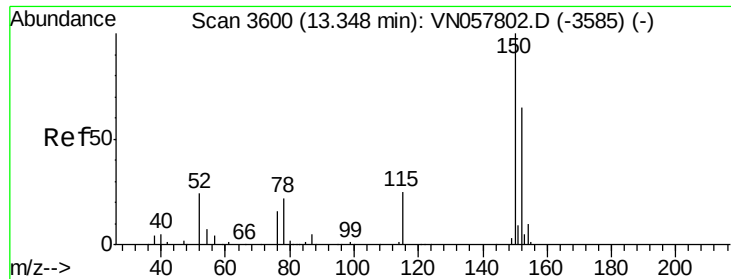
Ion Ratio Lower Upper

117 100

82 58.9 47.2 70.8

119 31.0 25.3 37.9

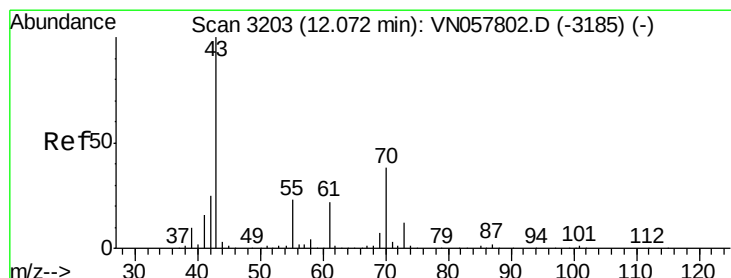
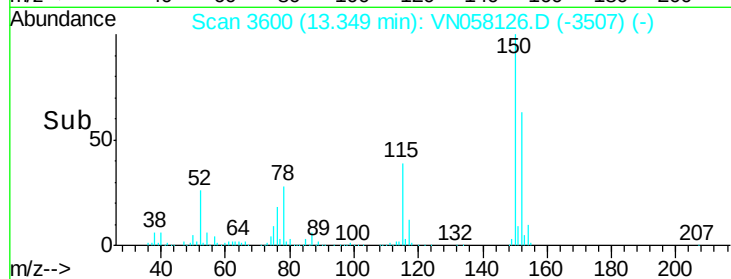
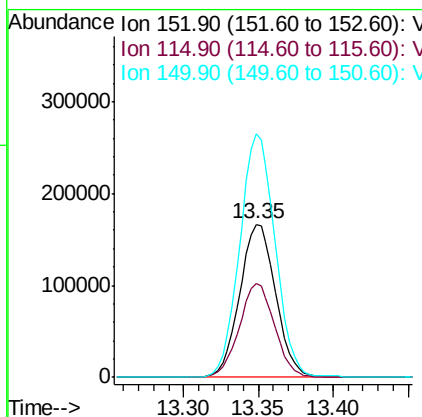
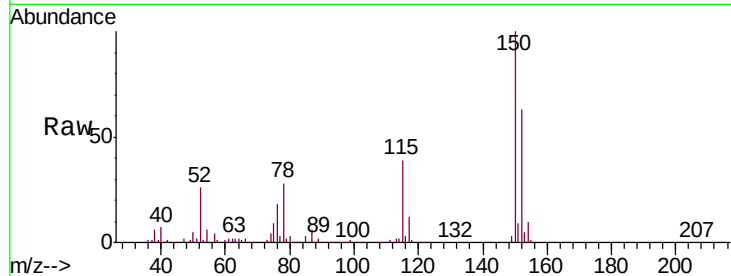




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VN058126.D
 Acq: 16 Sep 2019 17:57

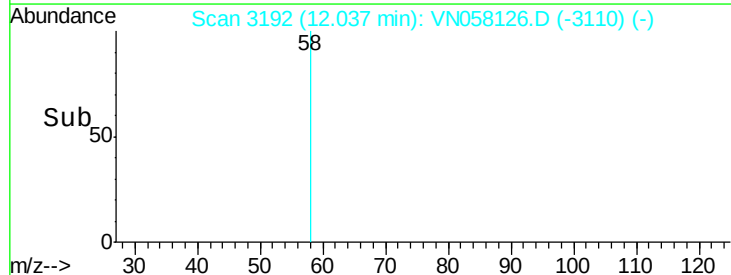
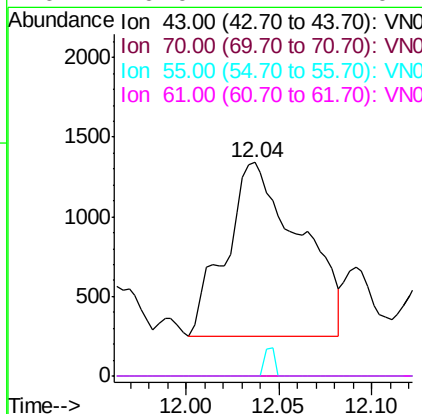
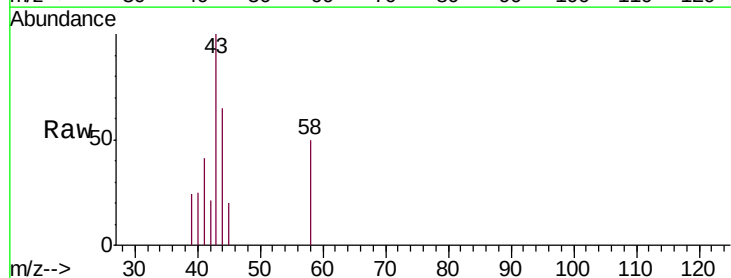
Instrument :
 MSVOA_N
 ClientSampled :
 CSA-2-8

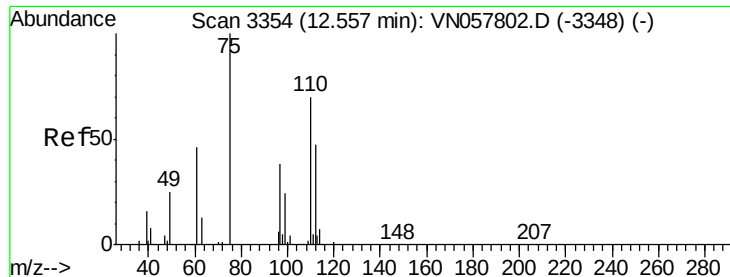
Tgt Ion: 152 Resp: 277641
 Ion Ratio Lower Upper
 152 100
 115 60.2 30.3 91.0
 150 157.5 0.0 352.4



#74
 N-ethyl acetate
 Concen: 0.324 ug/l
 RT: 12.04 min Scan# 3192
 Delta R.T. -0.04 min
 Lab File: VN058126.D
 Acq: 16 Sep 2019 17:57

Tgt Ion: 43 Resp: 3042
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.6 45.8#
 55 2.2 18.6 27.8#
 61 0.0 17.4 26.2#





#76

1,2,3-Trichloropropane

Concen: 27.495 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058126.D

Acq: 16 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

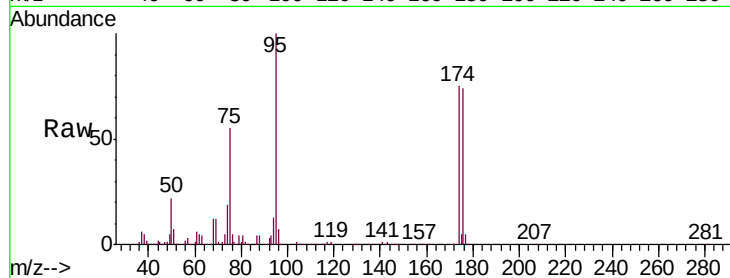
CSA-2-8

Tgt Ion: 75 Resp: 172690

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

120000

100000

80000

60000

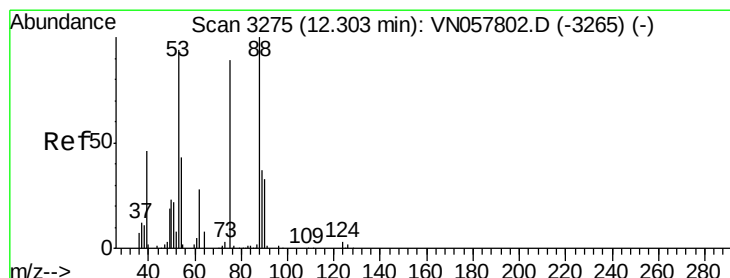
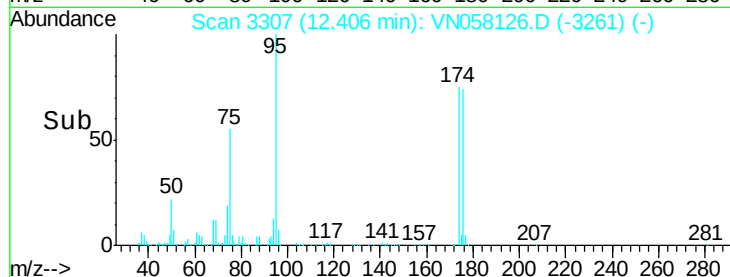
40000

20000

0

12.35 12.40 12.45 12.50

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 96.756 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058126.D

Acq: 16 Sep 2019 17:57

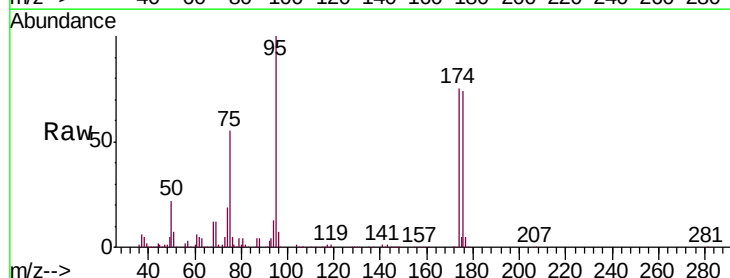
Tgt Ion: 75 Resp: 172690

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 35.3 52.9#



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

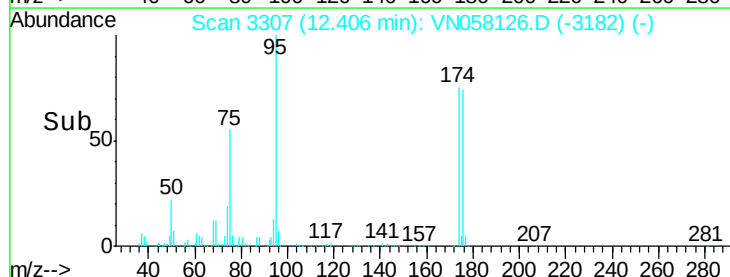
100000

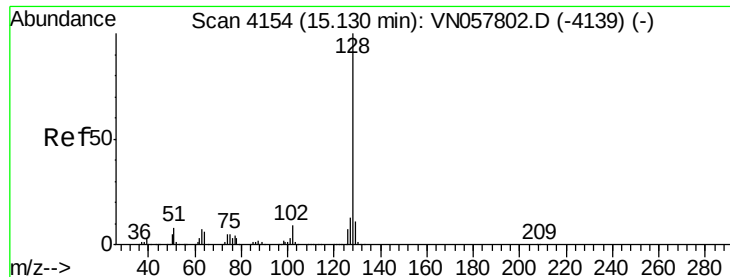
50000

0

12.35 12.40 12.45 12.50

Time-->





#95
Naphthalene
Concen: Below Cal
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058126.D
Acq: 16 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :
CSA-2-8

Tgt Ion:128 Resp: 16124
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.4 8.6 12.8

