

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091619\
 Data File : VN058127.D
 Acq On : 16 Sep 2019 18:19
 Operator : JC/SP
 Sample : K4878-21
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CSA-2-9

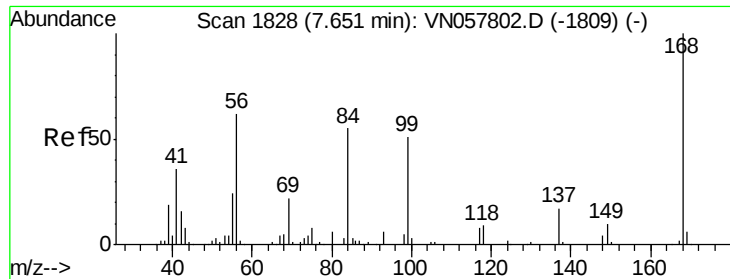
Quant Time: Sep 17 03:54:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	348248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	573757	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	527127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	282970	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	355682	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
35) Dibromofluoromethane	7.58	113	237016	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	
50) Toluene-d8	10.09	98	950706	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
62) 4-Bromofluorobenzene	12.41	95	313754	40.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	68	Below Cal	#	2
16) Acetone	3.80	43	12758	5.518	ug/l	98
17) Carbon Disulfide	4.02	76	320	0.214	ug/l #	75
18) Methyl Acetate	4.31	43	7550	1.225	ug/l	96
20) Methylene Chloride	4.54	84	8935	0.819	ug/l	95
29) Tetrahydrofuran	7.20	42	520	0.252	ug/l #	66
31) Cyclohexane	7.65	56	8816	Below Cal	#	10
36) 1,1-Dichloropropene	7.65	75	30695	4.613	ug/l #	50
38) Carbon Tetrachloride	7.65	117	36096	5.942	ug/l #	16
43) Isopropyl Acetate	8.16	43	105976	9.166	ug/l #	86
45) 1,2-Dichloropropane	9.26	63	1481	0.254	ug/l #	44
48) Methyl methacrylate	9.17	41	4910	0.837	ug/l #	13
51) 4-Methyl-2-Pentanone	9.98	43	5109	0.747	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	33715	4.123	ug/l #	66
57) 1,3-Dichloropropane	10.76	76	3594	0.390	ug/l #	43
59) 2-Hexanone	10.76	43	52600	10.257	ug/l #	55
71) Bromoform	12.41	173	2314	0.775	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	174779	27.304	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	174779	96.083	ug/l #	6
95) Naphthalene	15.13	128	2613	Below Cal	#	90

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058127.D

Acq: 16 Sep 2019 18:19

Instrument :

MSVOA_N

ClientSampleId :

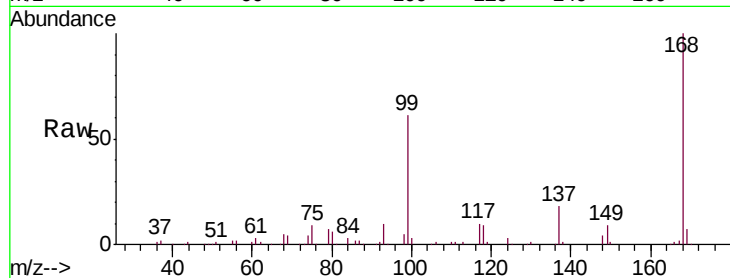
CSA-2-9

Tgt Ion:168 Resp: 348248

Ion Ratio Lower Upper

168 100

99 61.4 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

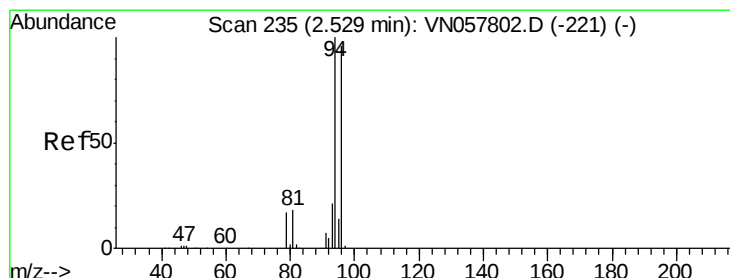
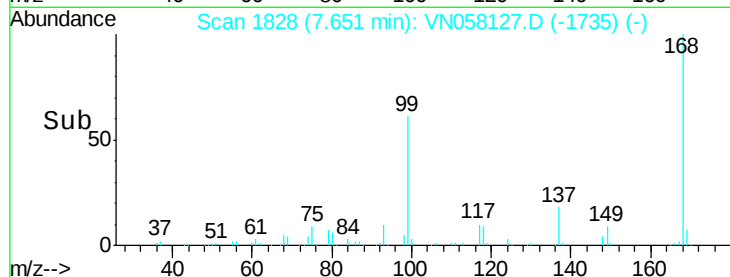
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 244

Delta R.T. 0.03 min

Lab File: VN058127.D

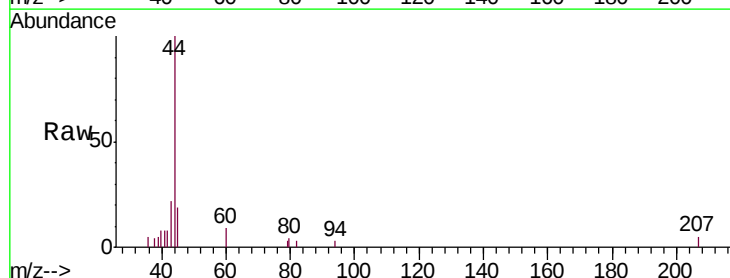
Acq: 16 Sep 2019 18:19

Tgt Ion: 94 Resp: 68

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.56

200

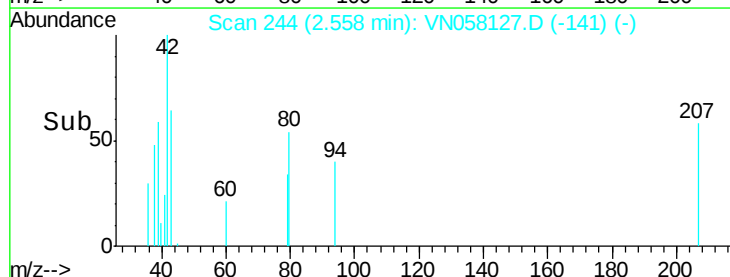
150

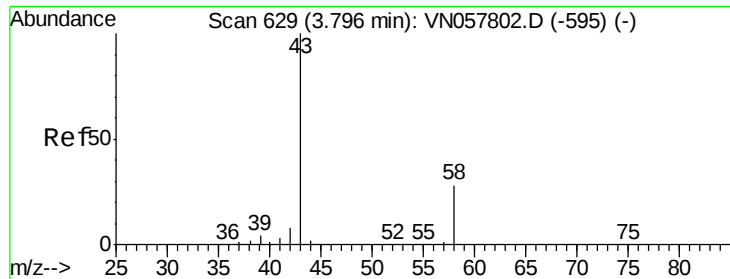
100

50

0

Time-->





#16

Acetone

Concen: 5.518 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058127.D

Acq: 16 Sep 2019 18:19

Instrument :

MSVOA_N

ClientSampled :

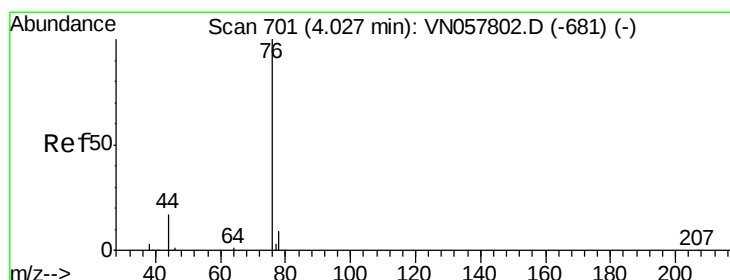
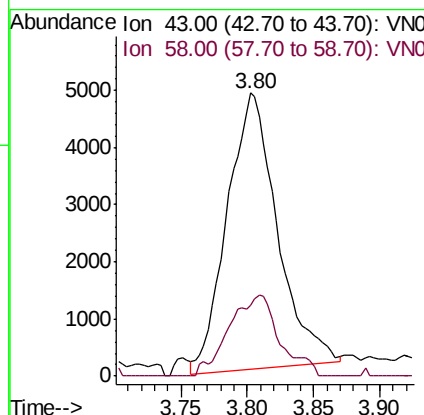
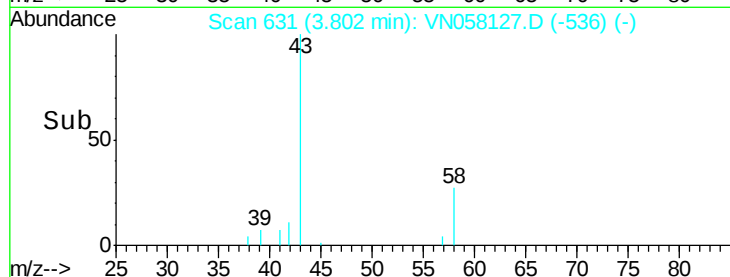
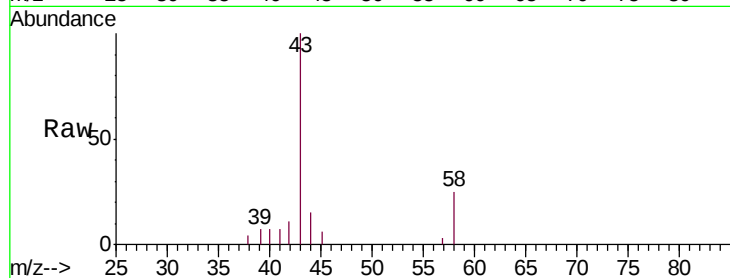
CSA-2-9

Tgt Ion: 43 Resp: 12758

Ion Ratio Lower Upper

43 100

58 26.6 22.2 33.2



#17

Carbon Disulfide

Concen: 0.214 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.01 min

Lab File: VN058127.D

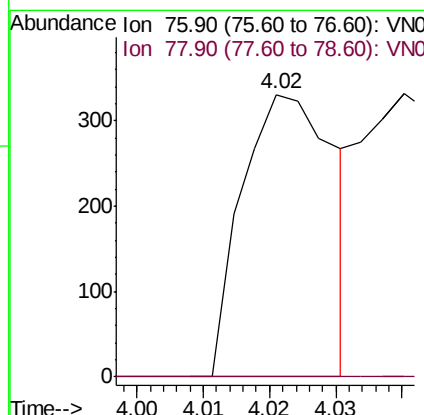
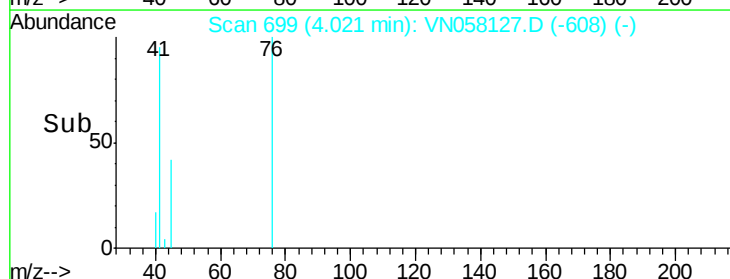
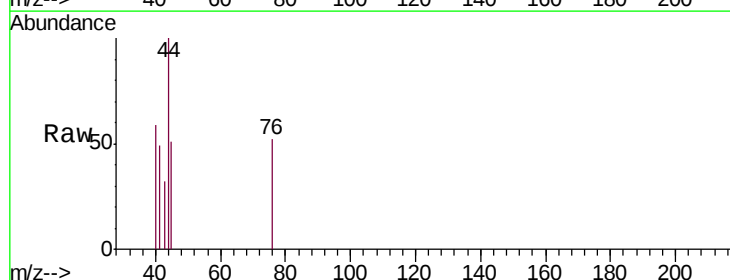
Acq: 16 Sep 2019 18:19

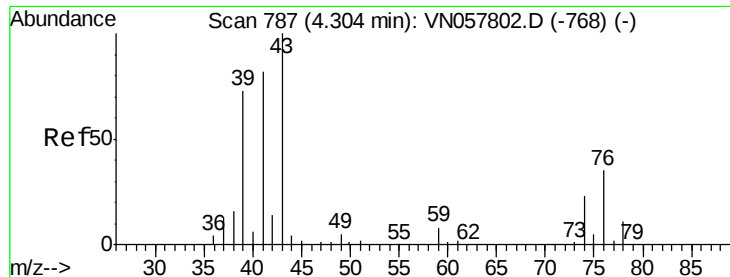
Tgt Ion: 76 Resp: 320

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

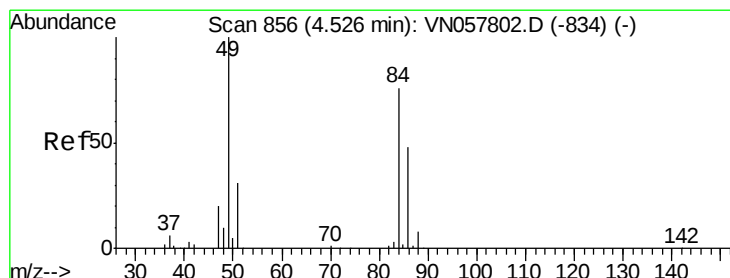
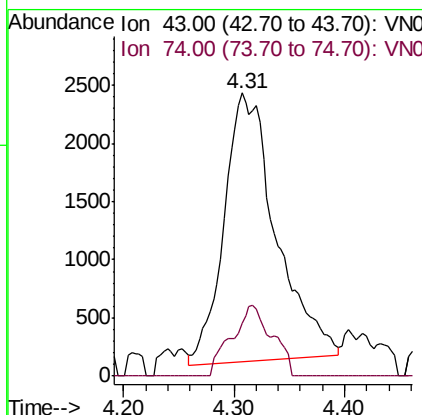
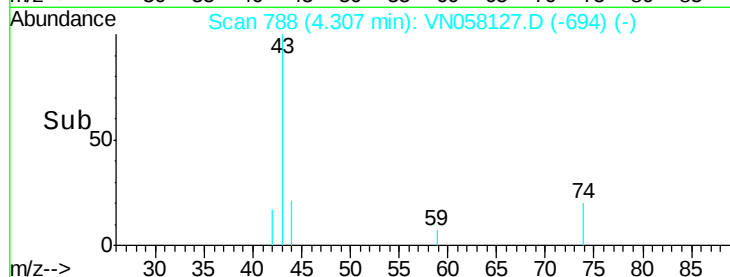
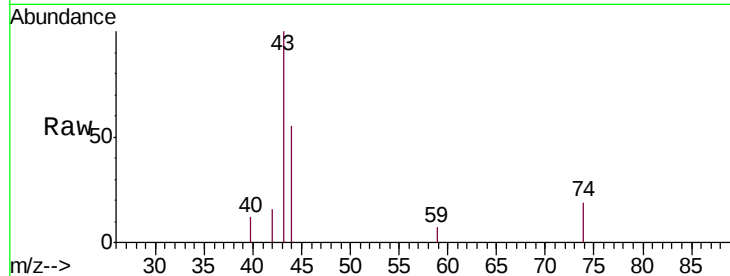




#18
Methyl Acetate
Concen: 1.225 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN058127.D
Acq: 16 Sep 2019 18:19

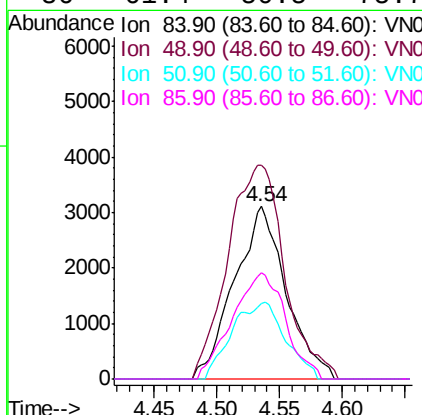
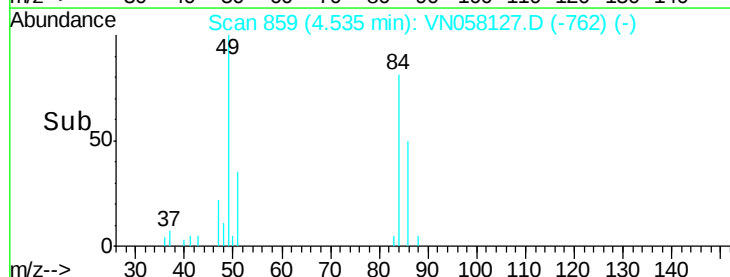
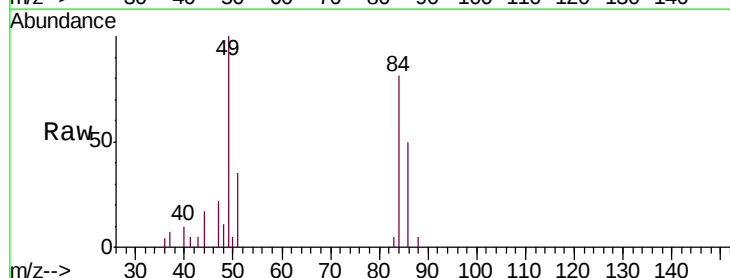
Instrument :
MSVOA_N
ClientSampled :
CSA-2-9

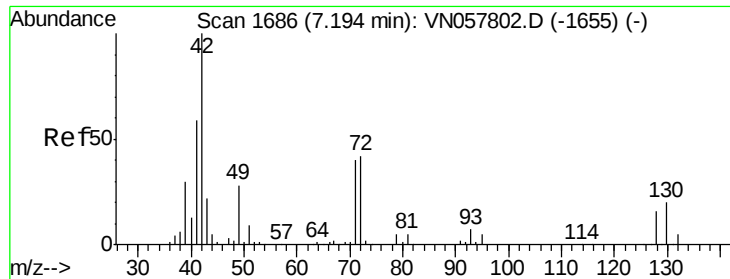
Tgt Ion: 43 Resp: 7550
Ion Ratio Lower Upper
43 100
74 20.4 17.9 26.9



#20
Methylene Chloride
Concen: 0.819 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.01 min
Lab File: VN058127.D
Acq: 16 Sep 2019 18:19

Tgt Ion: 84 Resp: 8935
Ion Ratio Lower Upper
84 100
49 123.9 104.8 157.2
51 43.5 33.0 49.4
86 61.4 50.5 75.7





#29

Tetrahydrofuran

Concen: 0.252 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN058127.D

Acq: 16 Sep 2019 18:19

Instrument :

MSVOA_N

ClientSampleId :

CSA-2-9

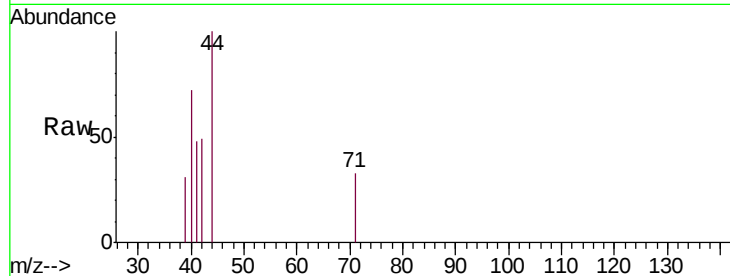
Tgt Ion: 42 Resp: 520

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 39.8 31.9 47.9

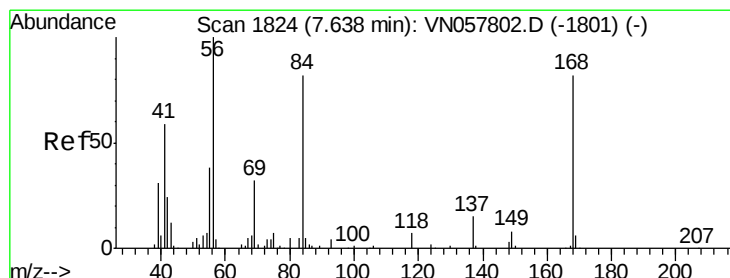
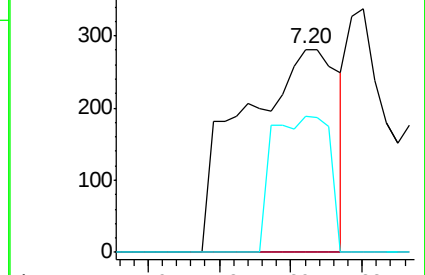
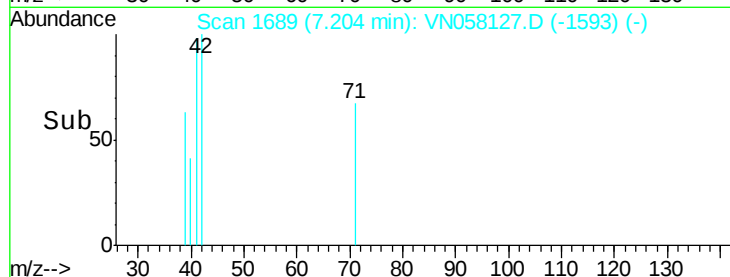


Abundance Ion 42.00 (41.70 to 42.70): VNC

Ion 72.00 (71.70 to 72.70): VNC

Ion 71.00 (70.70 to 71.70): VNC

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058127.D

Acq: 16 Sep 2019 18:19

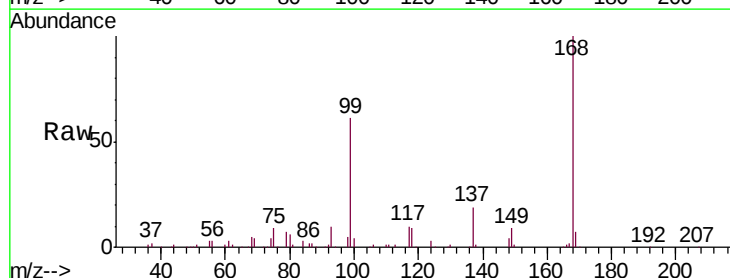
Tgt Ion: 56 Resp: 8816

Ion Ratio Lower Upper

56 100

69 146.1 25.9 38.9#

84 122.3 65.6 98.4#

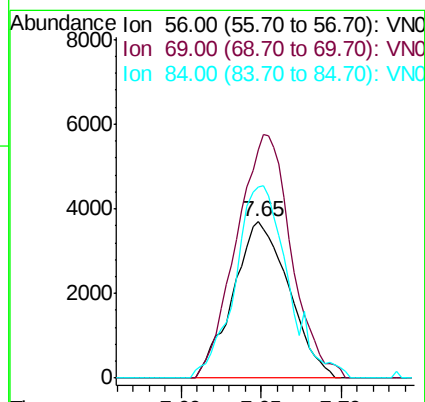
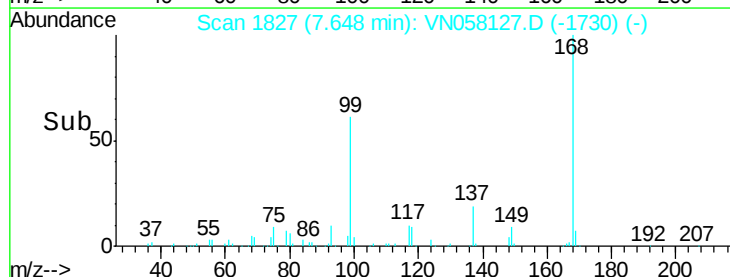


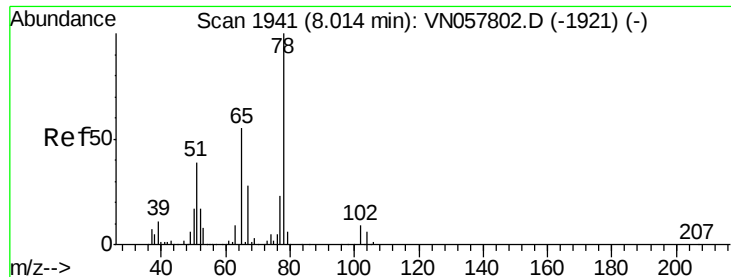
Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC

Time-->

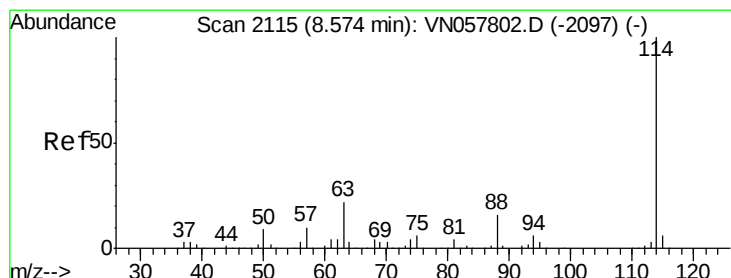
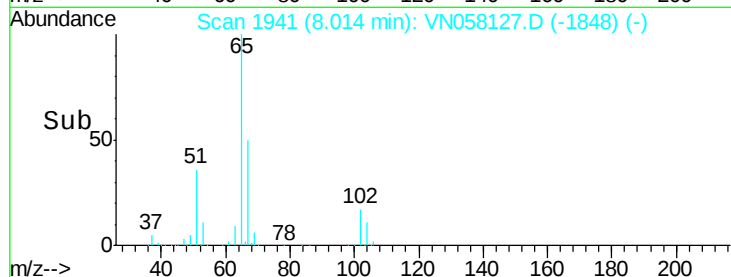
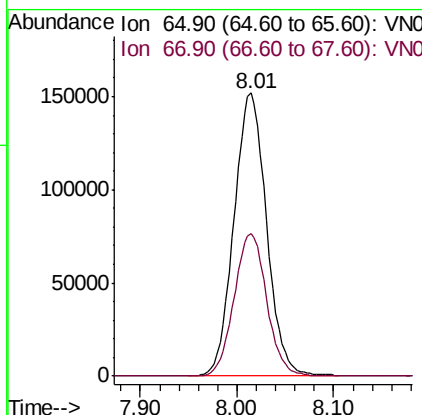
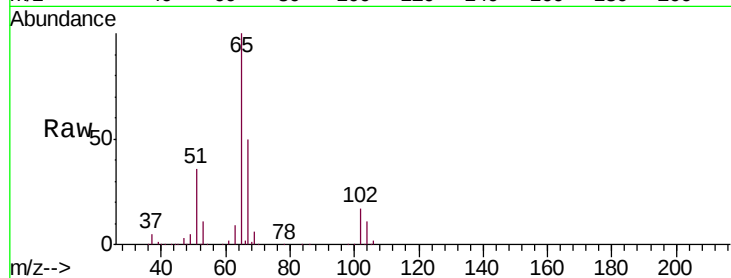




#33
 1,2-Dichloroethane-d4
 Concen: 50.426 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058127.D
 Acq: 16 Sep 2019 18:19

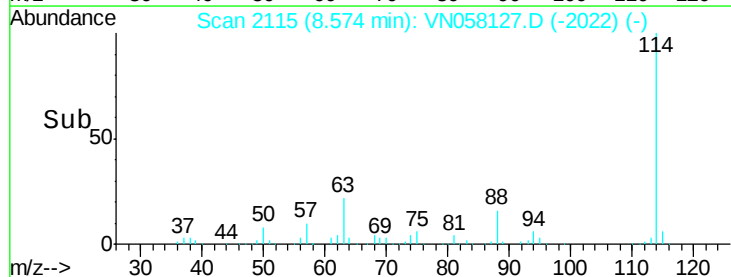
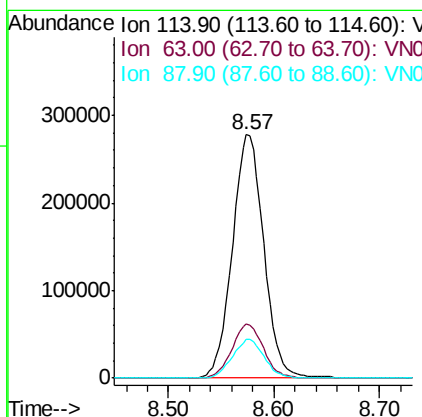
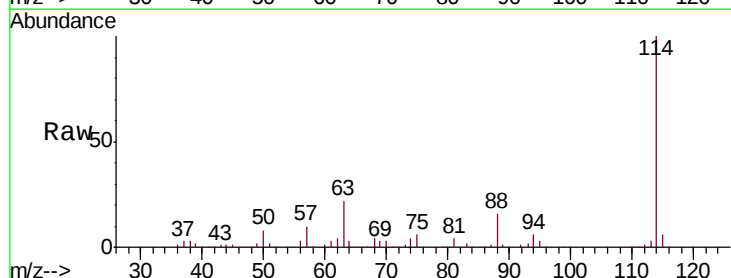
Instrument :
 MSVOA_N
 ClientSampleId :
 CSA-2-9

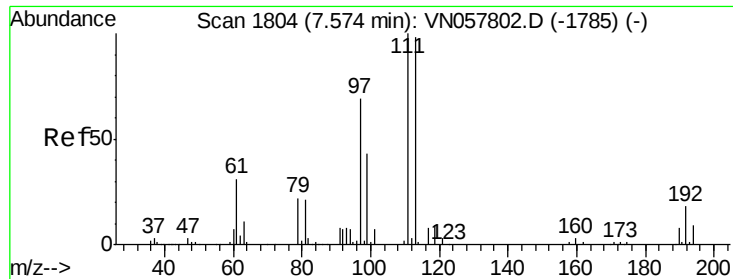
Tgt Ion: 65 Resp: 355682
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058127.D
 Acq: 16 Sep 2019 18:19

Tgt Ion: 114 Resp: 573757
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.0
 88 15.7 0.0 31.4

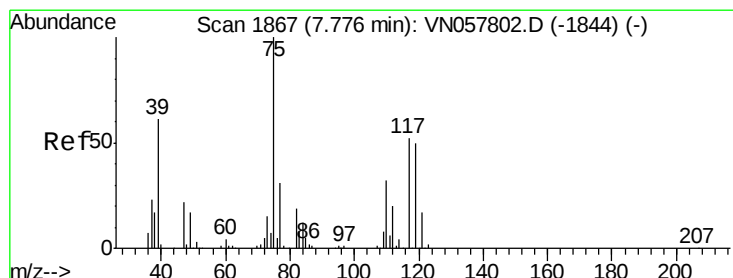
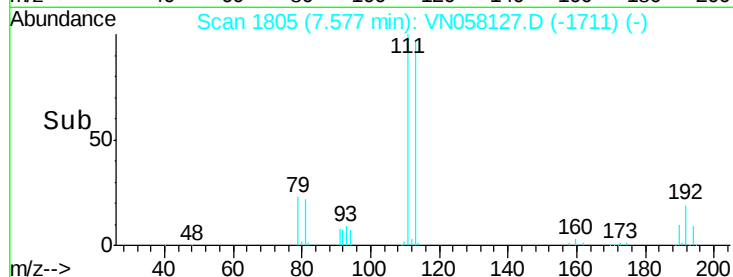
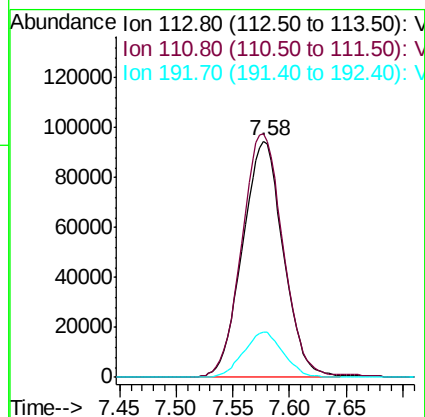
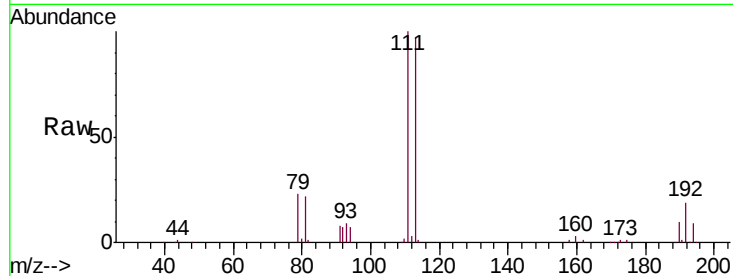




#35
 Dibromofluoromethane
 Concen: 44.758 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058127.D
 Acq: 16 Sep 2019 18:19

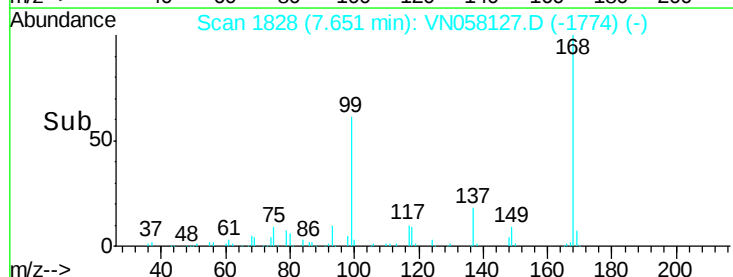
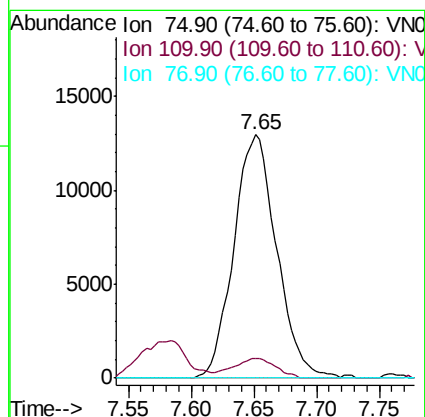
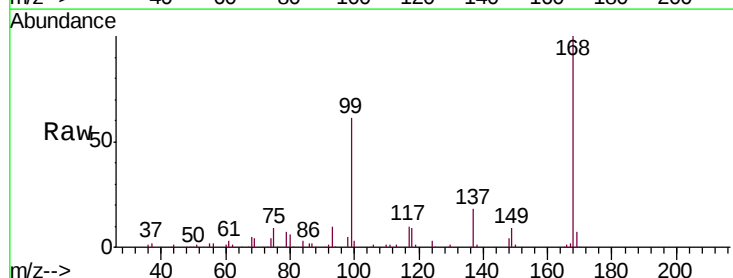
Instrument :
 MSVOA_N
 ClientSampleId :
 CSA-2-9

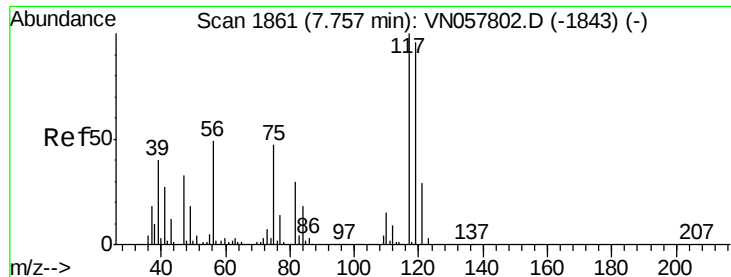
Tgt Ion:113 Resp: 237016
 Ion Ratio Lower Upper
 113 100
 111 104.5 81.3 121.9
 192 18.9 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 4.613 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058127.D
 Acq: 16 Sep 2019 18:19

Tgt Ion: 75 Resp: 30695
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.3 48.9#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.942 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN058127.D

Acq: 16 Sep 2019 18:19

Instrument :

MSVOA_N

ClientSampleId :

CSA-2-9

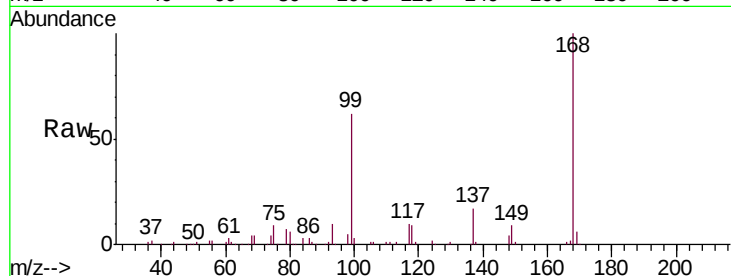
Tgt Ion:117 Resp: 36096

Ion Ratio Lower Upper

117 100

119 5.0 76.9 115.3#

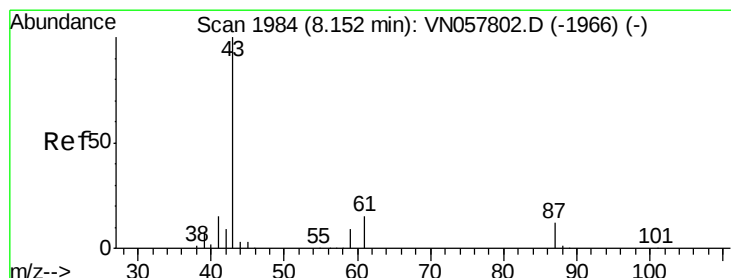
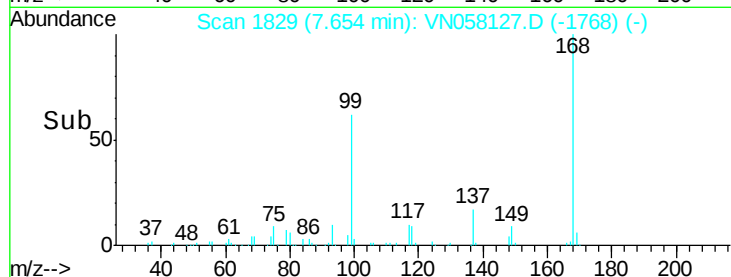
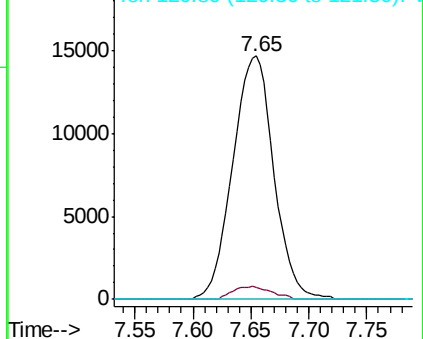
121 0.0 23.4 35.2#



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: 9.166 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN058127.D

Acq: 16 Sep 2019 18:19

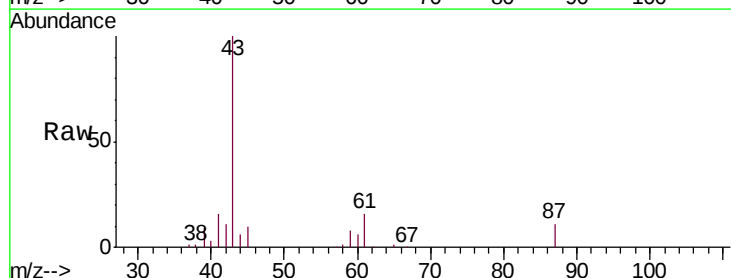
Tgt Ion: 43 Resp: 105976

Ion Ratio Lower Upper

43 100

61 15.8 20.1 30.1#

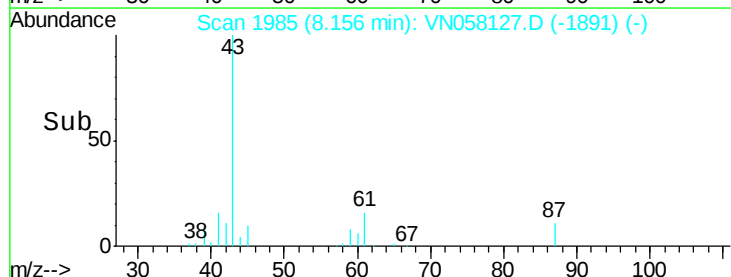
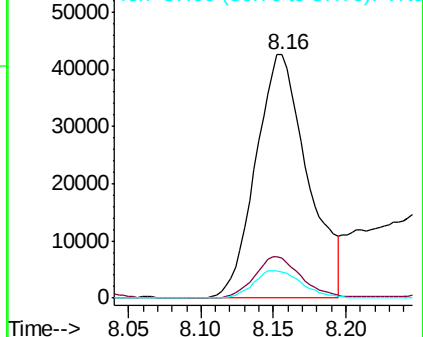
87 10.4 9.5 14.3

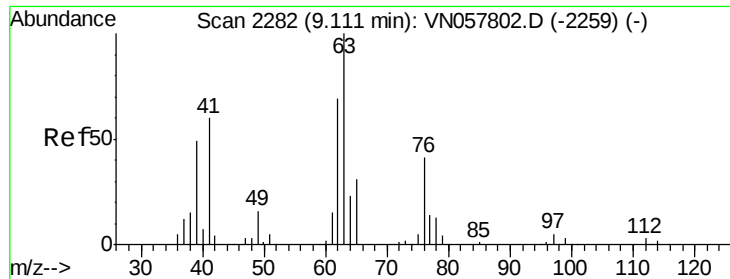


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

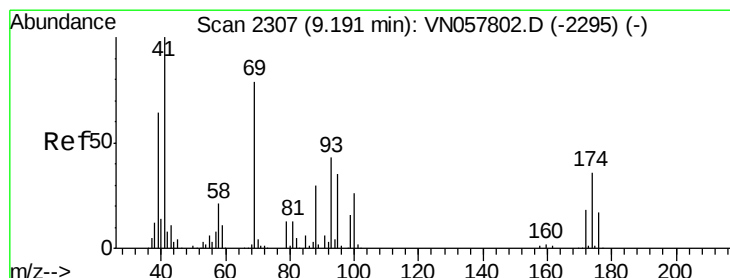
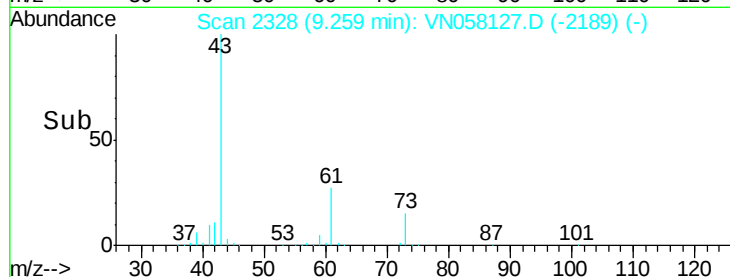
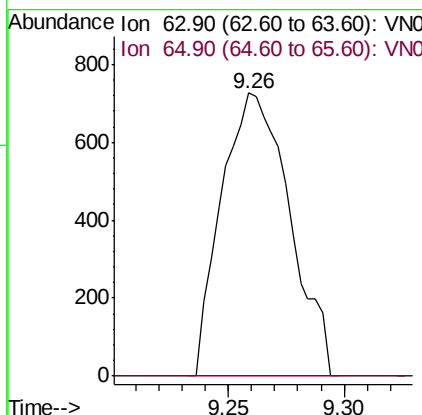
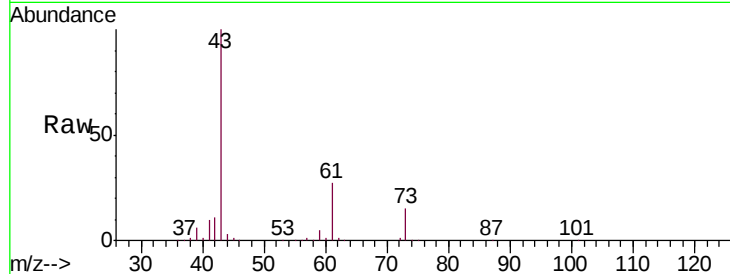




#45
 1,2-Dichloropropane
 Concen: 0.254 ug/l
 RT: 9.26 min Scan# 2328
 Delta R.T. 0.15 min
 Lab File: VN058127.D
 Acq: 16 Sep 2019 18:19

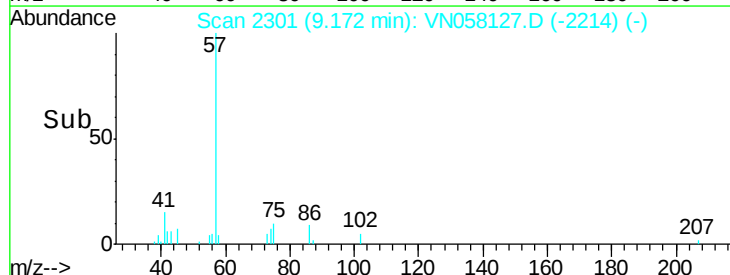
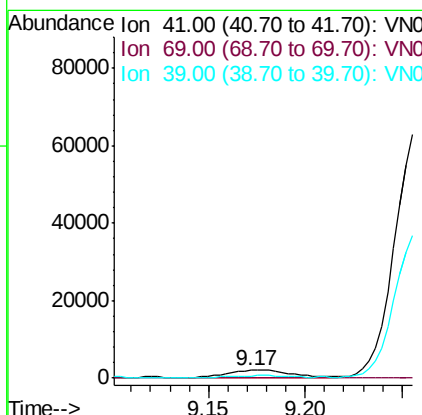
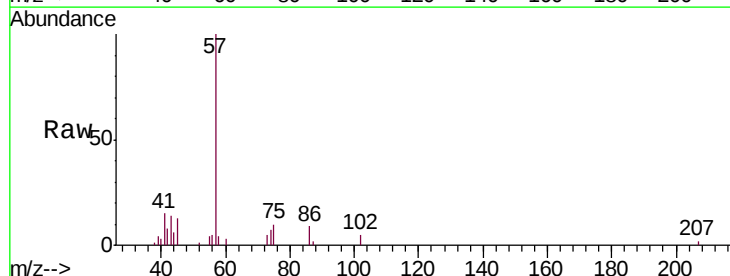
Instrument :
 MSVOA_N
 ClientSampleId :
 CSA-2-9

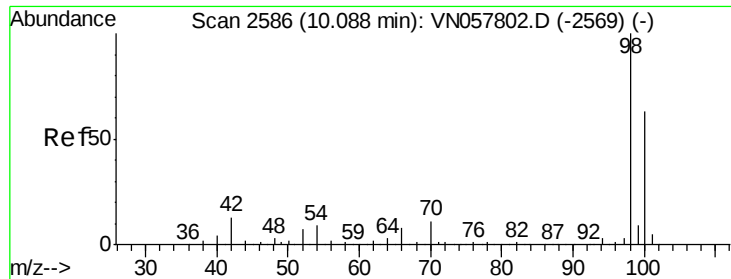
Tgt Ion: 63 Resp: 1481
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.8 37.2#



#48
 Methyl methacrylate
 Concen: 0.837 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.02 min
 Lab File: VN058127.D
 Acq: 16 Sep 2019 18:19

Tgt Ion: 41 Resp: 4910
 Ion Ratio Lower Upper
 41 100
 69 0.0 62.7 94.1#
 39 0.0 52.7 79.1#

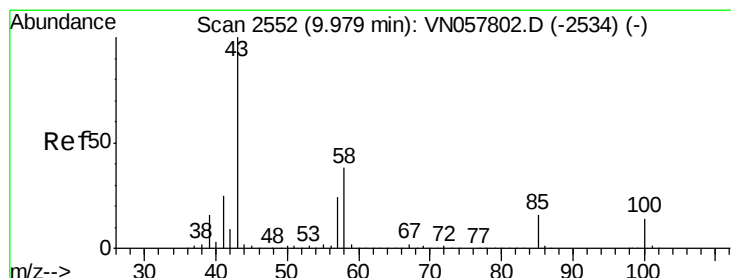
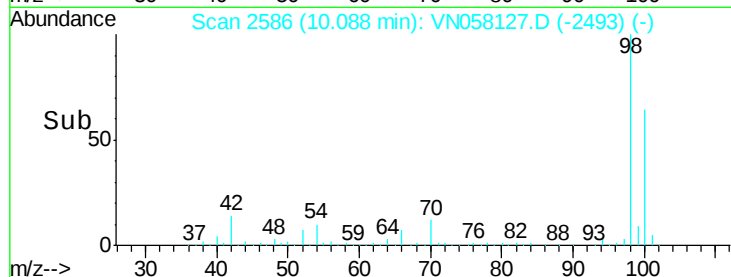
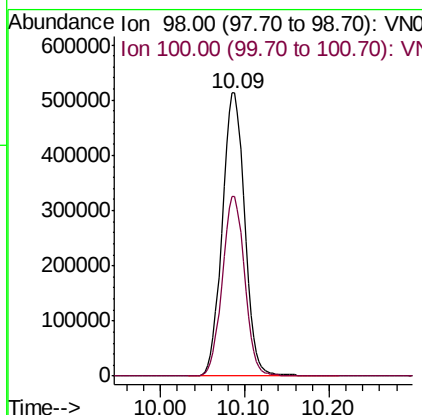
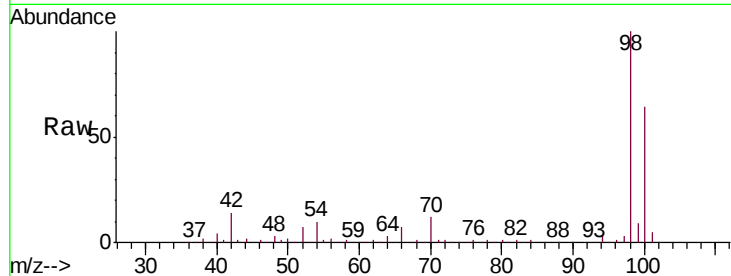




#50
Toluene-d8
Concen: 46.240 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN058127.D
Acq: 16 Sep 2019 18:19

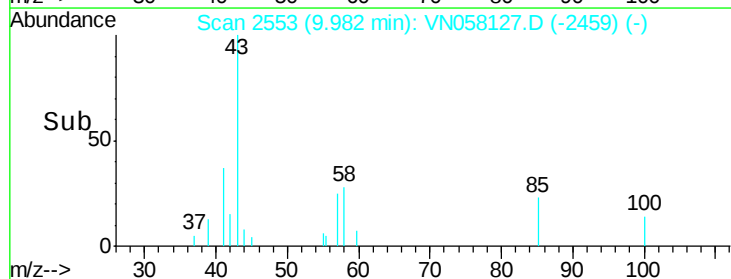
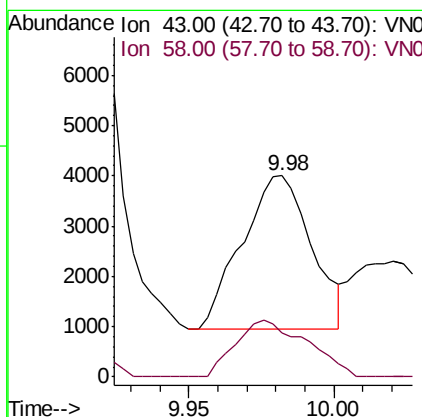
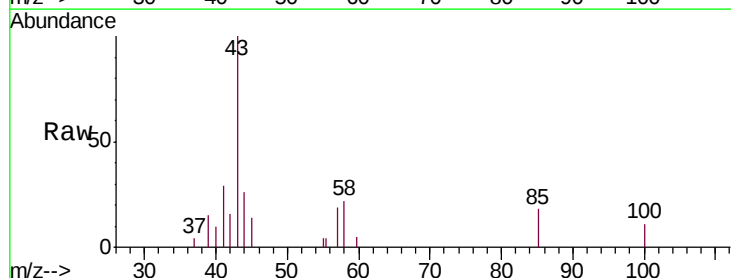
Instrument :
MSVOA_N
ClientSampled :
CSA-2-9

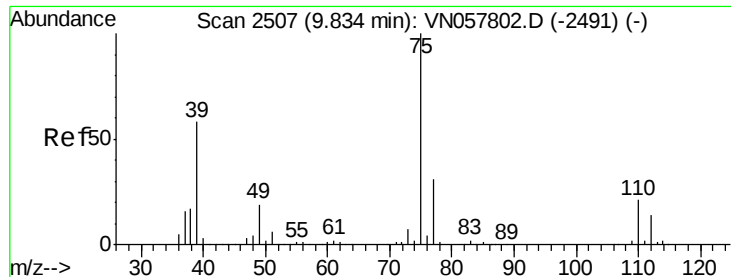
Tgt Ion: 98 Resp: 950706
Ion Ratio Lower Upper
98 100
100 63.3 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 0.747 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN058127.D
Acq: 16 Sep 2019 18:19

Tgt Ion: 43 Resp: 5109
Ion Ratio Lower Upper
43 100
58 37.8 29.8 44.6





#54

cis-1,3-Dichloropropene

Concen: 4.123 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN058127.D

Acq: 16 Sep 2019 18:19

Instrument :

MSVOA_N

ClientSampled :

CSA-2-9

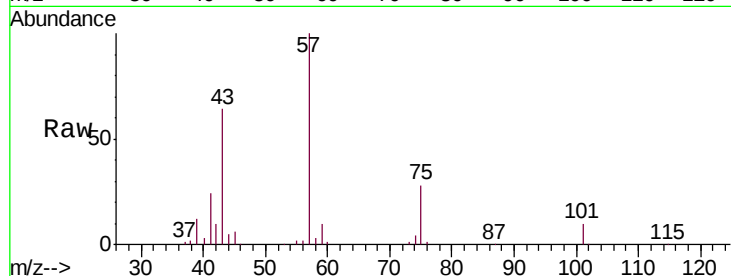
Tgt Ion: 75 Resp: 33715

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

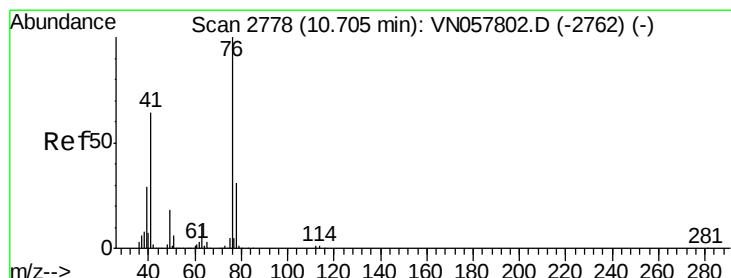
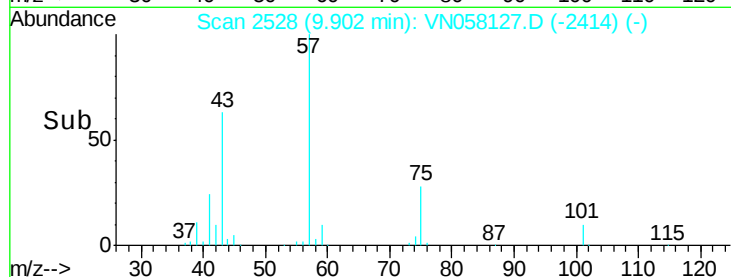
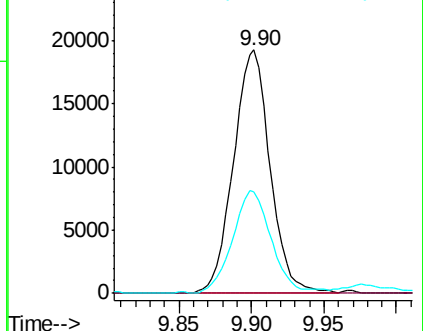
39 41.9 46.2 69.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.390 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN058127.D

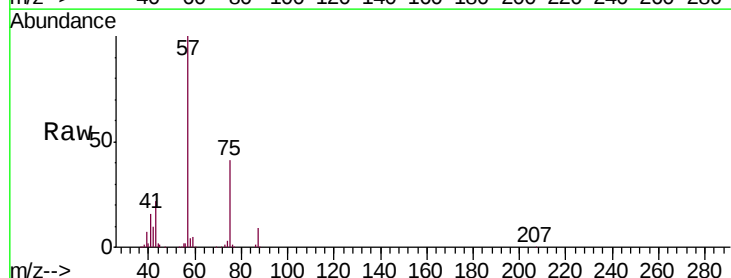
Acq: 16 Sep 2019 18:19

Tgt Ion: 76 Resp: 3594

Ion Ratio Lower Upper

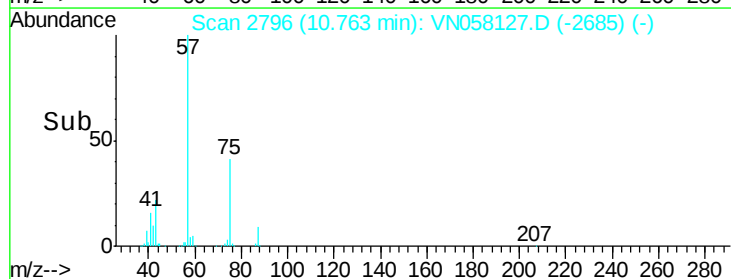
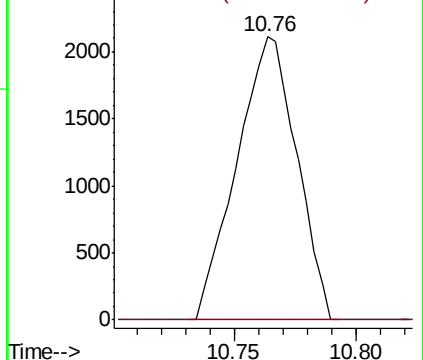
76 100

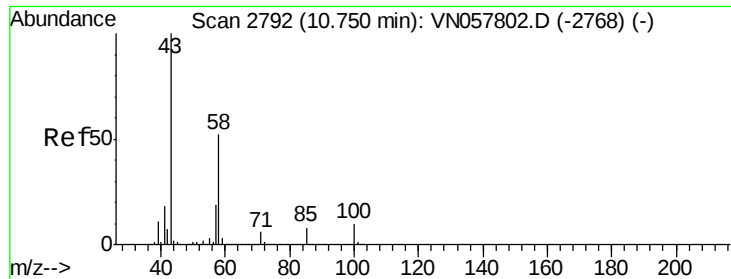
78 0.0 25.4 38.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

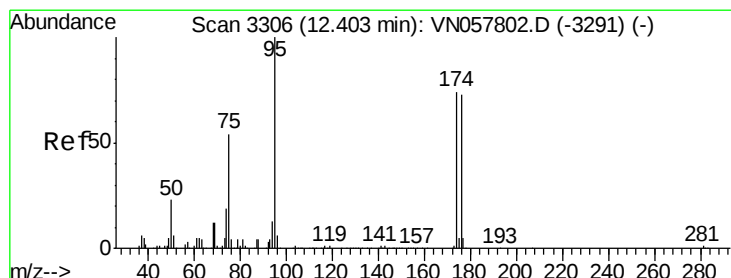
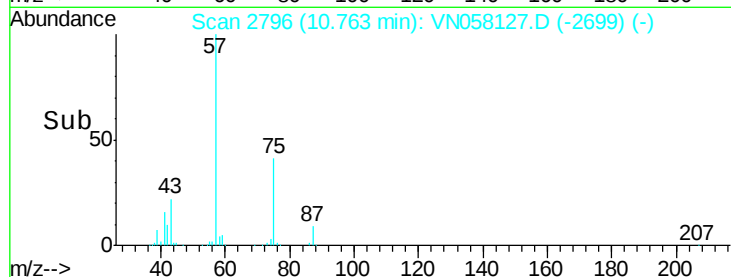
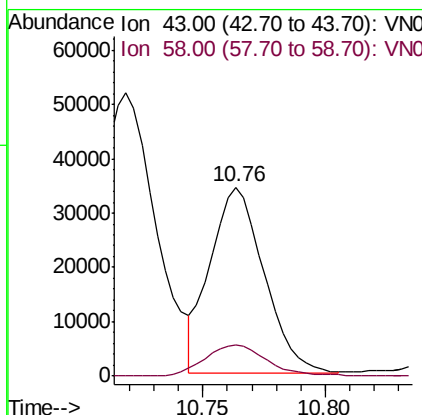
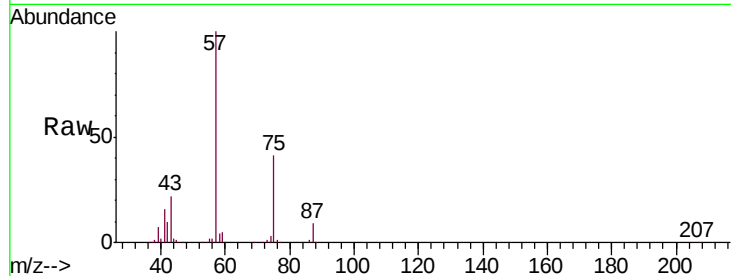




#59
2-Hexanone
Concen: 10.257 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN058127.D
Acq: 16 Sep 2019 18:19

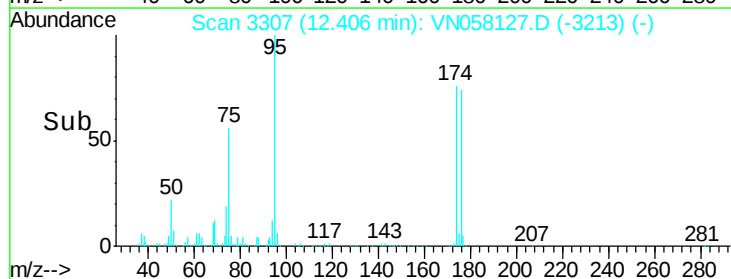
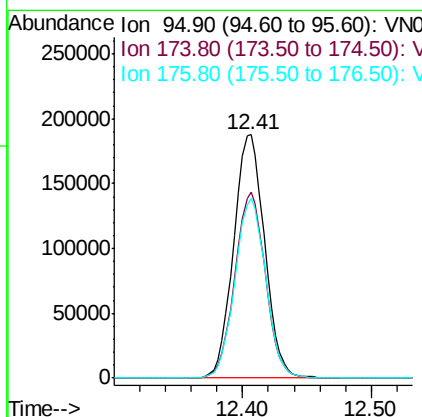
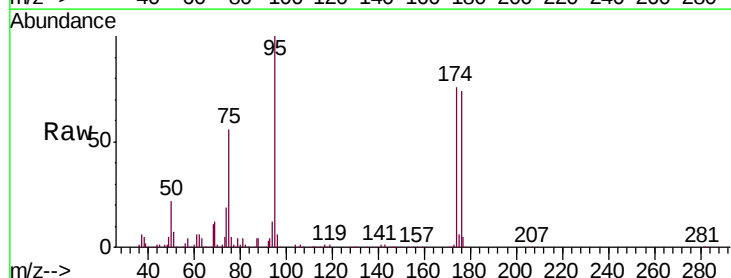
Instrument :
MSVOA_N
ClientSampleId :
CSA-2-9

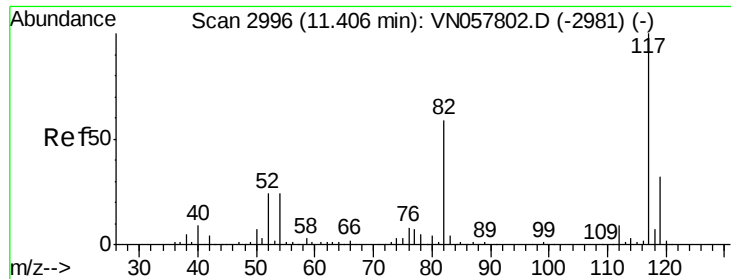
Tgt Ion: 43 Resp: 52600
Ion Ratio Lower Upper
43 100
58 19.6 25.6 76.8#



#62
4-Bromofluorobenzene
Concen: 40.044 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058127.D
Acq: 16 Sep 2019 18:19

Tgt Ion: 95 Resp: 313754
Ion Ratio Lower Upper
95 100
174 75.5 0.0 150.2
176 73.2 0.0 146.0

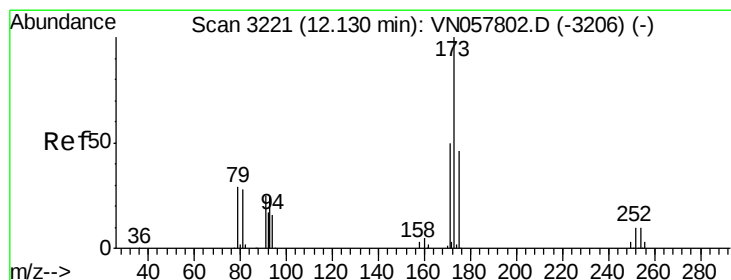
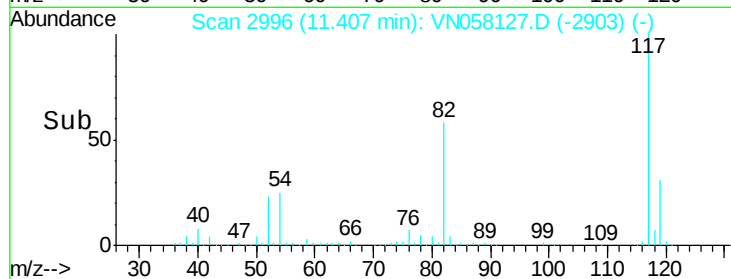
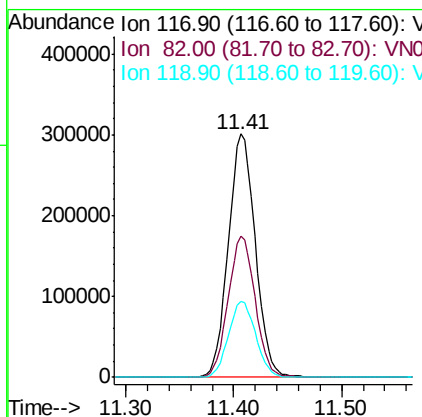
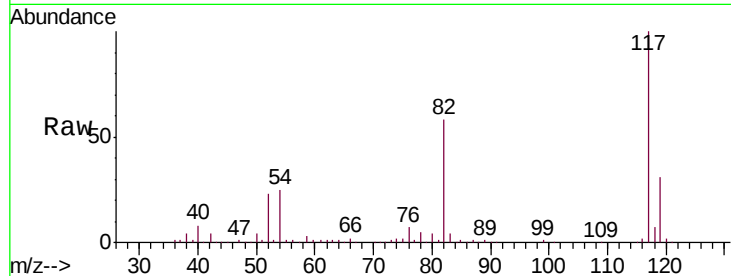




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058127.D
Acq: 16 Sep 2019 18:19

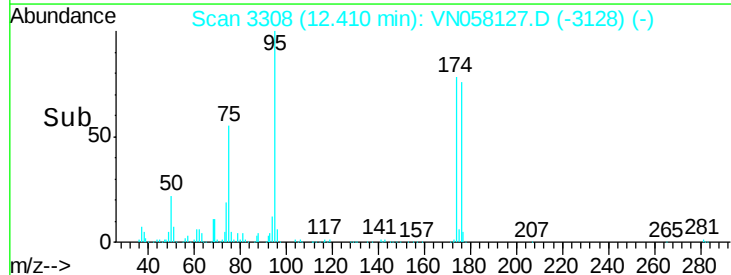
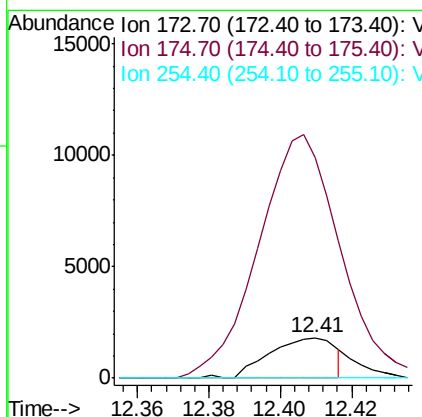
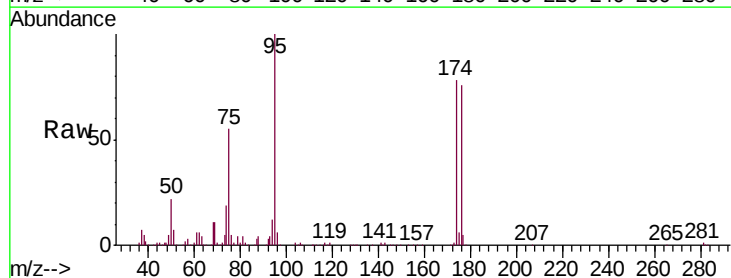
Instrument :
MSVOA_N
ClientSampled :
CSA-2-9

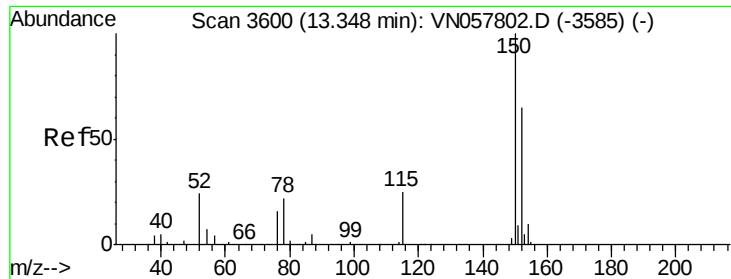
Tgt Ion:117 Resp: 527127
Ion Ratio Lower Upper
117 100
82 57.7 47.2 70.8
119 31.1 25.3 37.9



#71
Bromoform
Concen: 0.775 ug/l
RT: 12.41 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN058127.D
Acq: 16 Sep 2019 18:19

Tgt Ion:173 Resp: 2314
Ion Ratio Lower Upper
173 100
175 652.6 23.5 70.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058127.D

Acq: 16 Sep 2019 18:19

Instrument :

MSVOA_N

ClientSampleId :

CSA-2-9

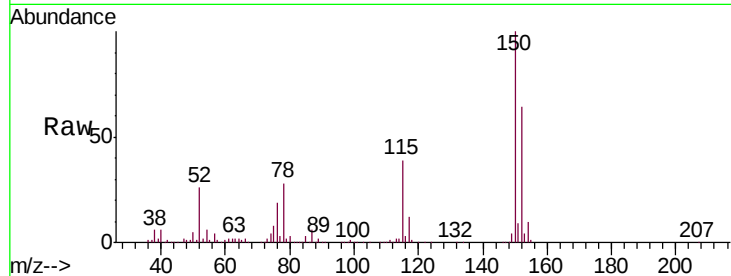
Tgt Ion:152 Resp: 282970

Ion Ratio Lower Upper

152 100

115 60.6 30.3 91.0

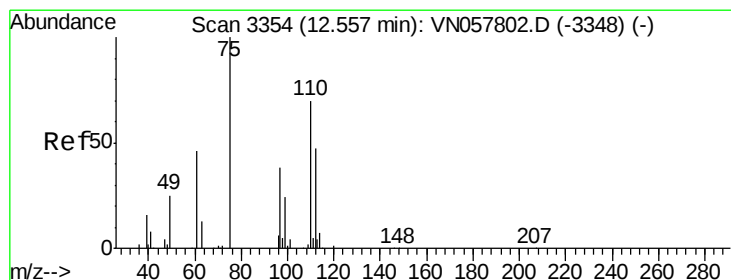
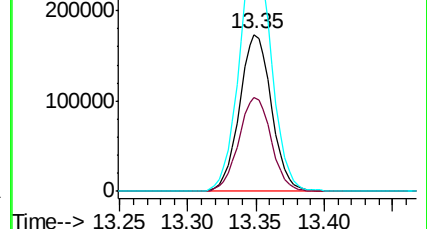
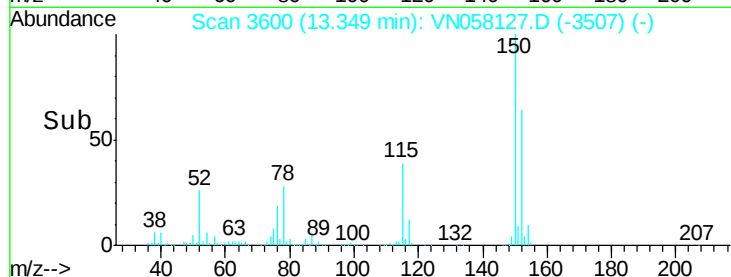
150 154.9 0.0 352.4



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: 27.304 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058127.D

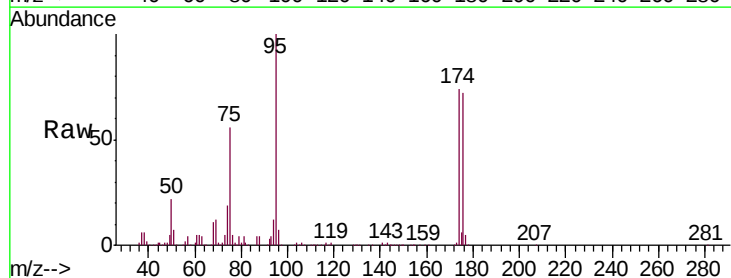
Acq: 16 Sep 2019 18:19

Tgt Ion: 75 Resp: 174779

Ion Ratio Lower Upper

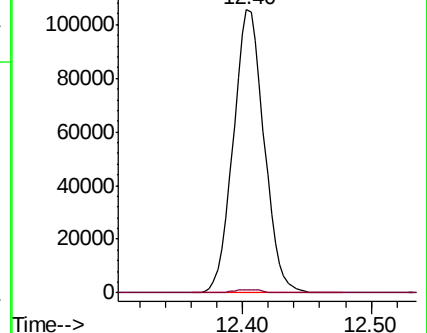
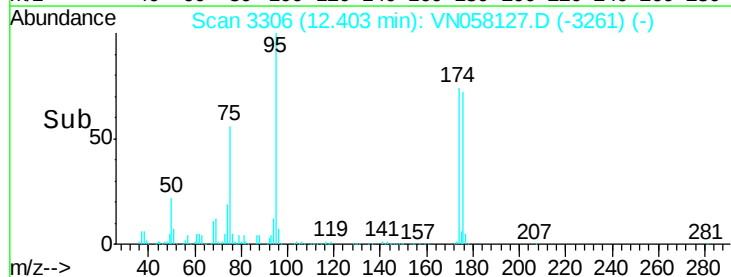
75 100

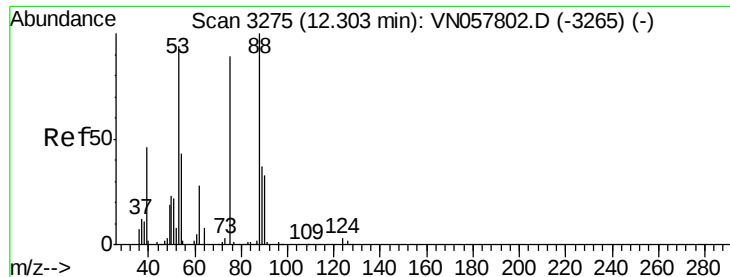
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 96.083 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058127.D

Acq: 16 Sep 2019 18:19

Instrument :

MSVOA_N

ClientSampled :

CSA-2-9

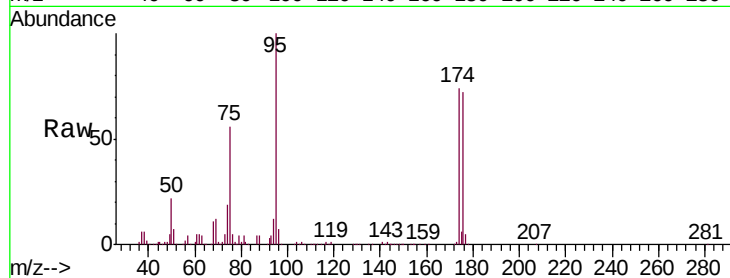
Tgt Ion: 75 Resp: 174779

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

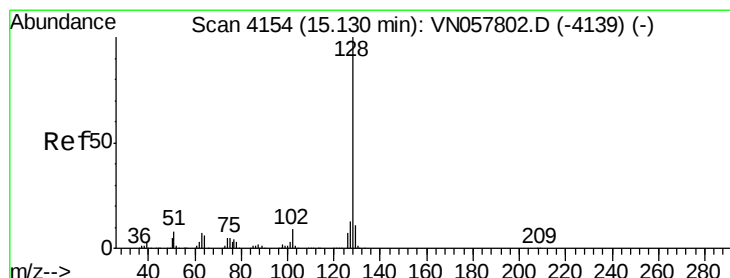
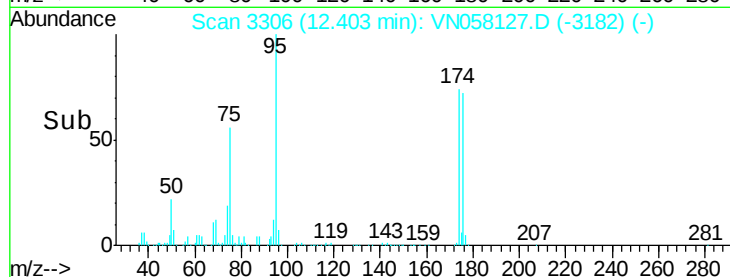
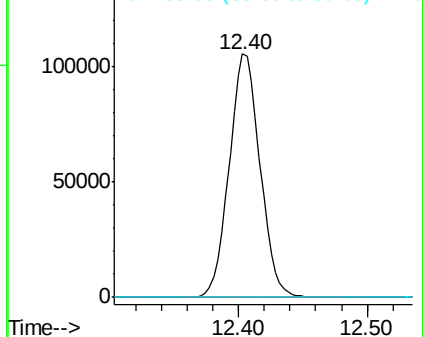
89 0.0 35.3 52.9#



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



#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058127.D

Acq: 16 Sep 2019 18:19

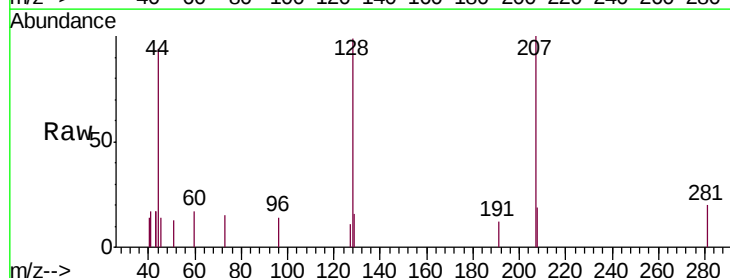
Tgt Ion: 128 Resp: 2613

Ion Ratio Lower Upper

128 100

127 6.9 10.3 15.5#

129 9.1 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

