

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032519\
 Data File : VN054682.D
 Acq On : 25 Mar 2019 19:23
 Operator : JC/SP
 Sample : K2056-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CS-10

Quant Time: Mar 26 01:29:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	582517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	942641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	781447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	283723	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	384073	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
35) Dibromofluoromethane	7.59	113	294825	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
50) Toluene-d8	10.09	98	1134939	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.40	95	341673	43.98	ug/l	0.00
Spiked Amount			Recovery	=	87.96%	

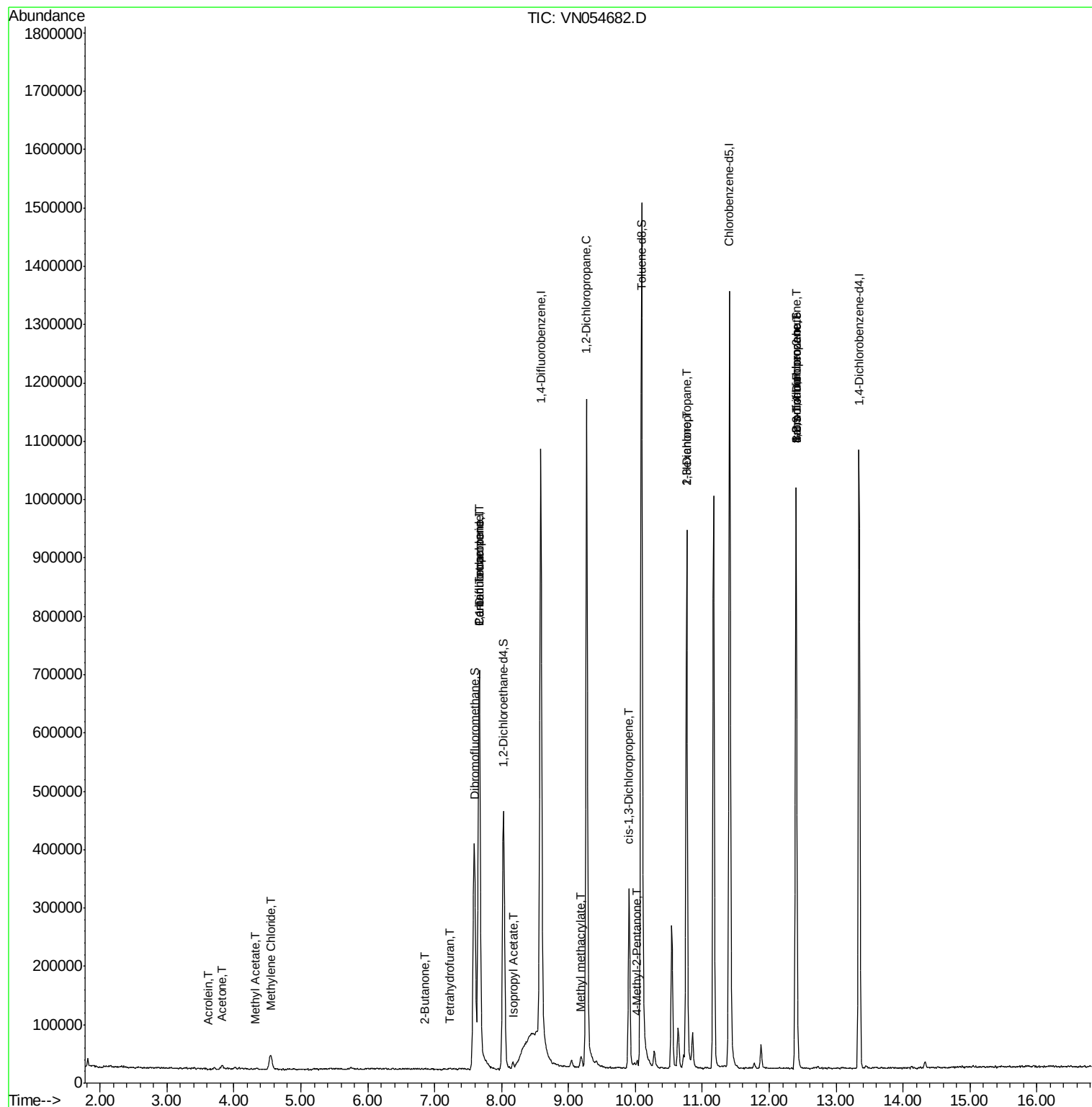
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	193	0.319	ug/l #	1
16) Acetone	3.82	43	10810	4.962	ug/l	88
18) Methyl Acetate	4.33	43	2067	0.426	ug/l #	71
20) Methylene Chloride	4.55	84	16488	2.568	ug/l #	75
25) 2-Butanone	6.84	43	754	0.270	ug/l #	46
29) Tetrahydrofuran	7.23	42	951	0.525	ug/l #	38
31) Cyclohexane	7.66	56	12540	Below Cal	#	17
36) 1,1-Dichloropropene	7.67	75	44258	5.021	ug/l #	47
38) Carbon Tetrachloride	7.67	117	55072	6.430	ug/l #	15
43) Isopropyl Acetate	8.17	43	14678	1.386	ug/l #	92
45) 1,2-Dichloropropane	9.27	63	1475	0.218	ug/l #	43
48) Methyl methacrylate	9.18	41	6896	1.200	ug/l #	11
51) 4-Methyl-2-Pentanone	10.03	43	7769	1.324	ug/l #	36
54) cis-1,3-Dichloropropene	9.90	75	51263	5.336	ug/l #	69
57) 1,3-Dichloropropane	10.77	76	9869	1.019	ug/l #	43
59) 2-Hexanone	10.76	43	155130	40.478	ug/l #	46
71) Bromoform	12.40	173	2755	2.890	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	176904	39.292	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	176904	130.034	ug/l #	11

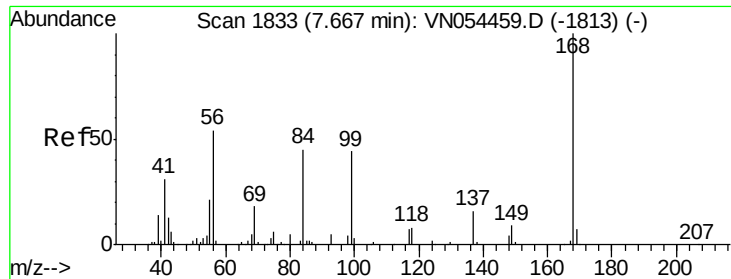
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054682.D

Acq: 25 Mar 2019 19:23

Instrument :

MSVOA_N

ClientSampled :

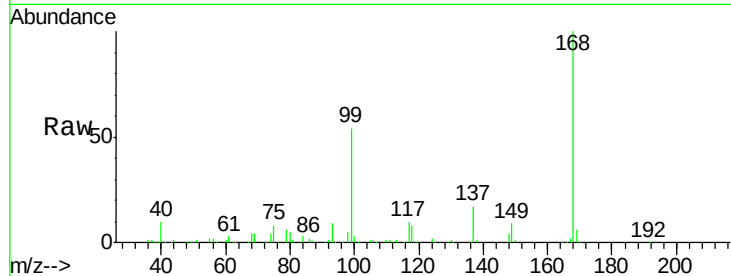
CS-10

Tot Ion:168 Resp: 582517

Ion Ratio Lower Upper

168 100

99 54.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

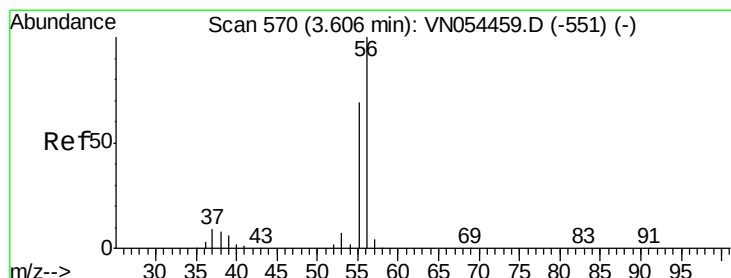
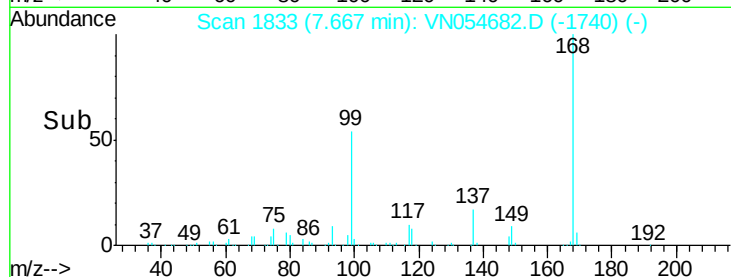
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.319 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054682.D

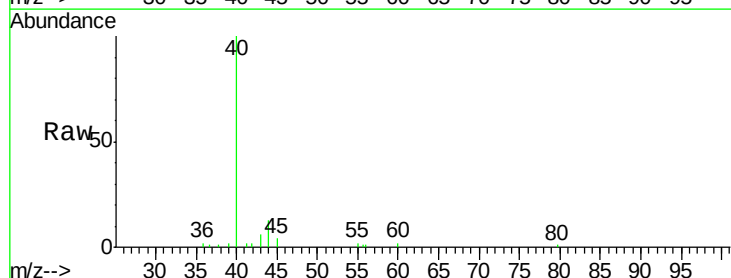
Acq: 25 Mar 2019 19:23

Tgt Ion: 56 Resp: 193

Ion Ratio Lower Upper

56 100

55 213.5 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.61

400

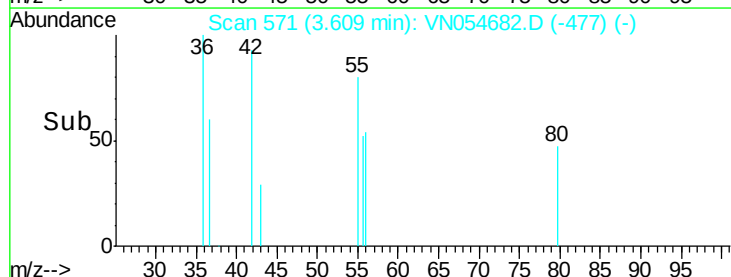
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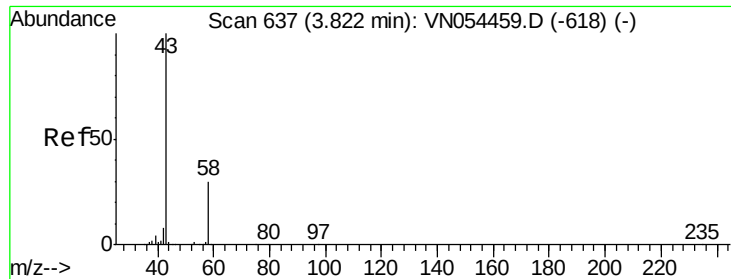
200

100

0

Time-->

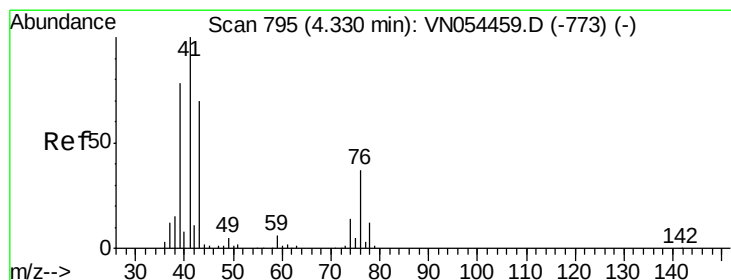
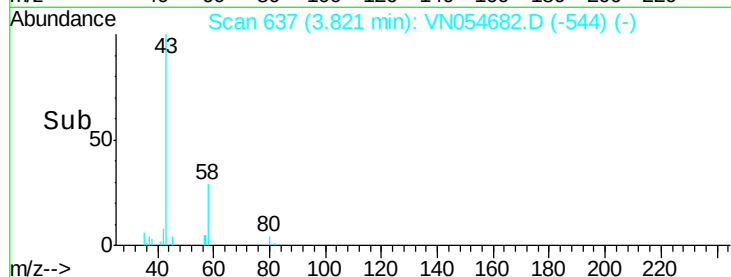
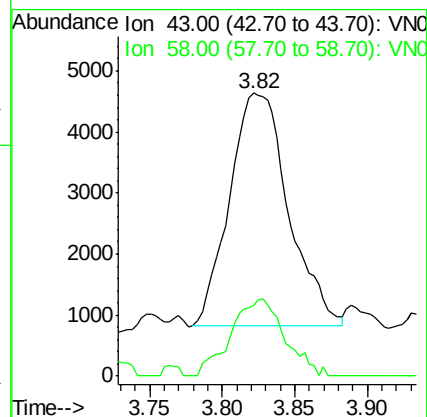
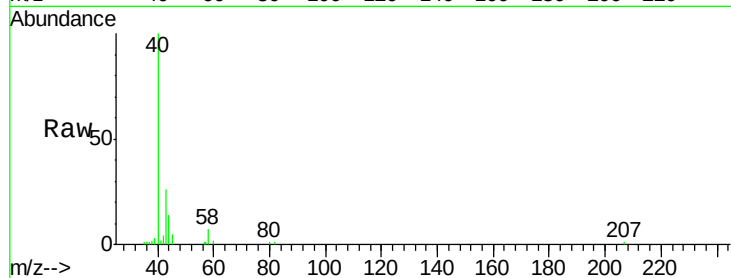




#16
Acetone
Concen: 4.962 ug/l
RT: 3.82 min Scan# 637
Delta R.T. -0.00 min
Lab File: VN054682.D
Acq: 25 Mar 2019 19:23

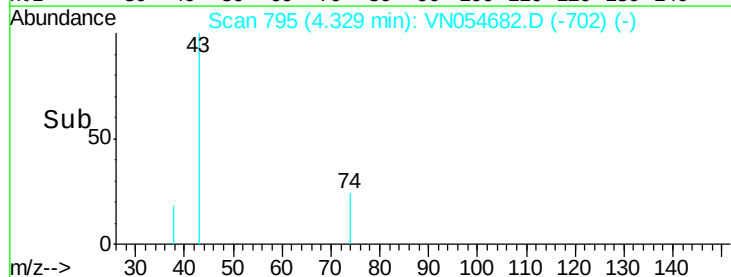
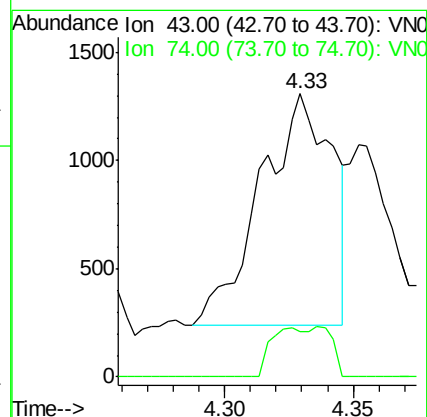
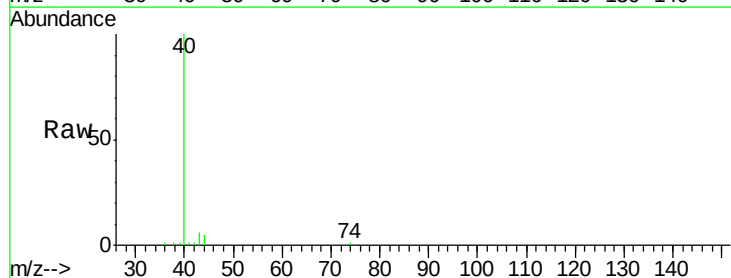
Instrument :
MSVOA_N
ClientSampled :
CS-10

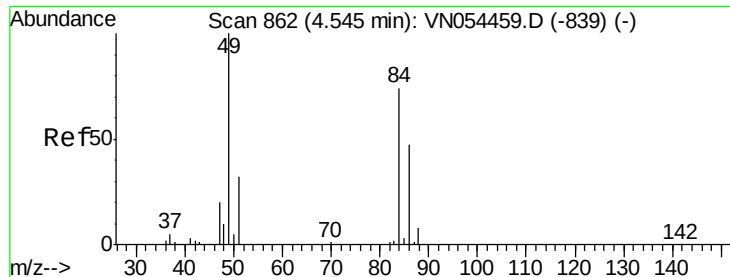
Tot Ion: 43 Resp: 10810
Ion Ratio Lower Upper
43 100
58 30.3 29.9 44.9



#18
Methyl Acetate
Concen: 0.426 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054682.D
Acq: 25 Mar 2019 19:23

Tgt Ion: 43 Resp: 2067
Ion Ratio Lower Upper
43 100
74 11.4 20.8 31.2#

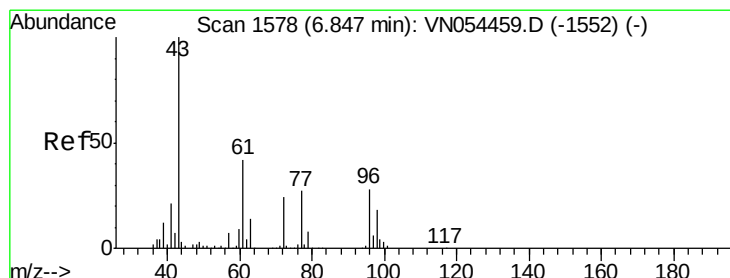
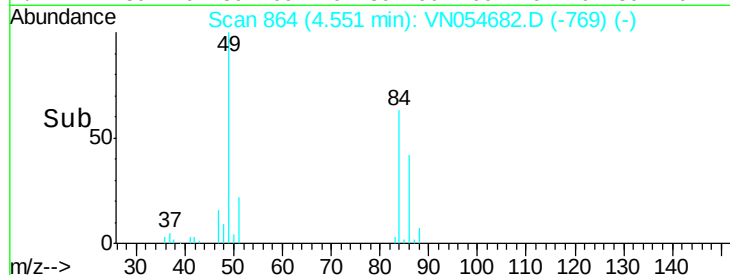
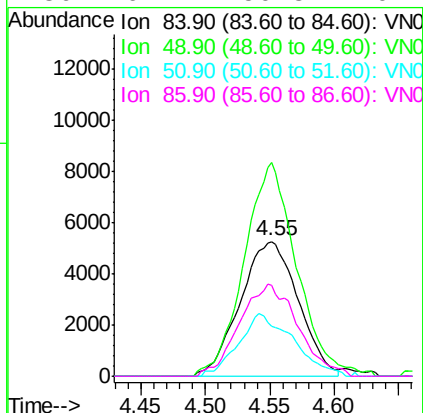
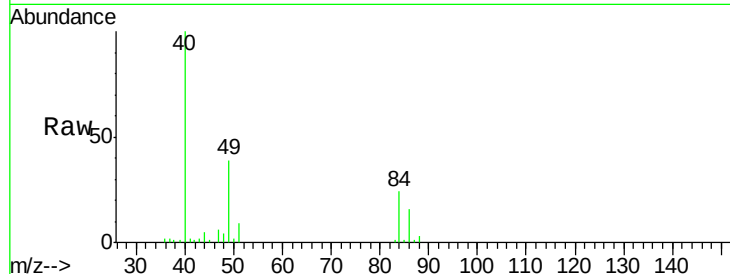




#20
Methvlene Chloride
Concen: 2.568 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN054682.D
Acq: 25 Mar 2019 19:23

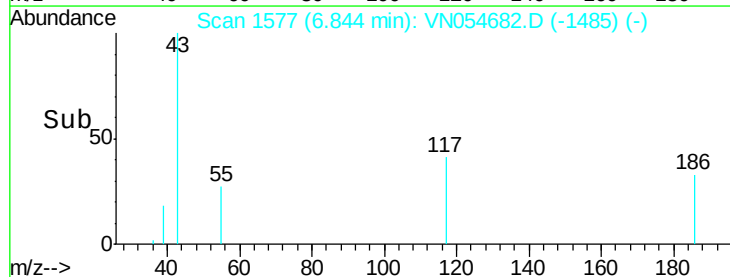
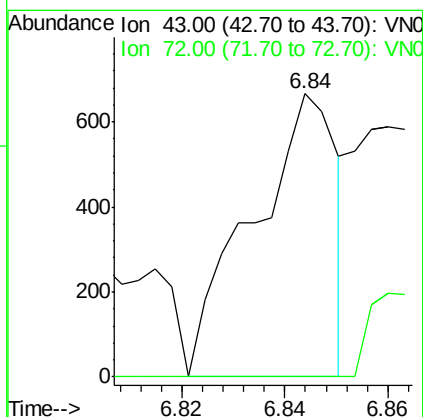
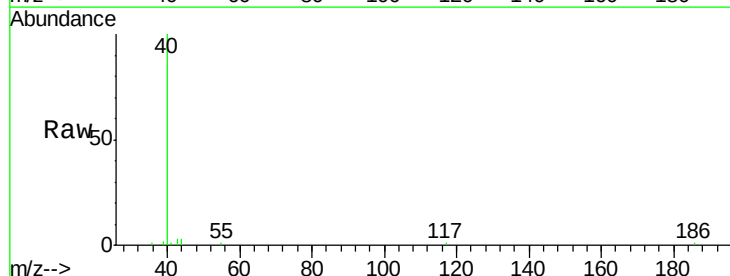
Instrument :
MSVOA_N
ClientSampled :
CS-10

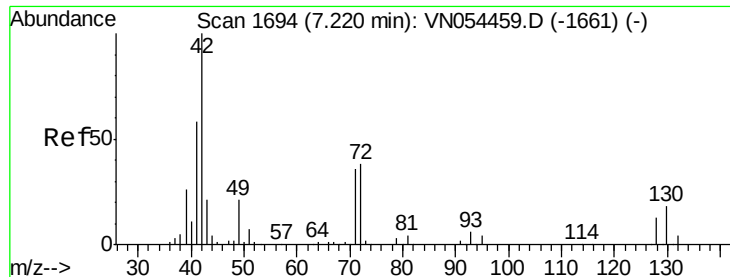
Tot Ion: 84 Resp: 16488
Ion Ratio Lower Upper
84 100
49 158.1 89.7 134.5#
51 37.3 28.2 42.4
86 67.1 50.8 76.2



#25
2-Butanone
Concen: 0.270 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VN054682.D
Acq: 25 Mar 2019 19:23

Tgt Ion: 43 Resp: 754
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#





#29

Tetrahydrofuran

Concen: 0.525 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN054682.D

Acq: 25 Mar 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

CS-10

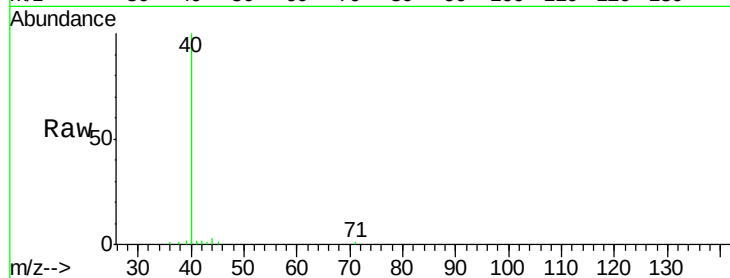
Tot Ion: 42 Resp: 951

Ion Ratio Lower Upper

42 100

72 6.2 37.8 56.6#

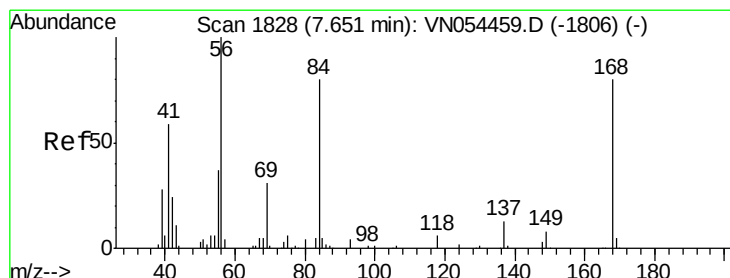
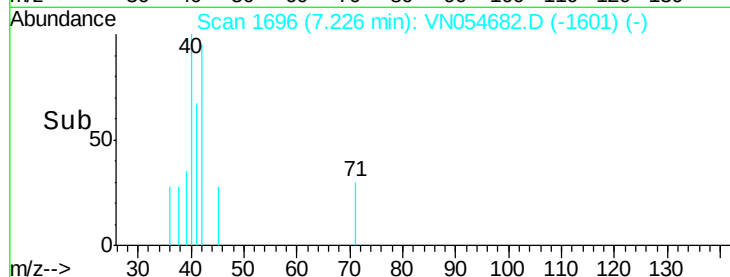
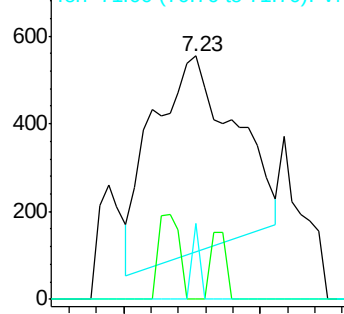
71 3.6 36.2 54.2#



Abundance Ion 42.00 (41.70 to 42.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

Ion 71.00 (70.70 to 71.70): VNO



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054682.D

Acq: 25 Mar 2019 19:23

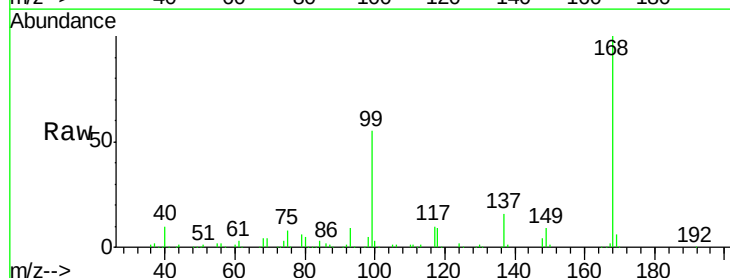
Tgt Ion: 56 Resp: 12540

Ion Ratio Lower Upper

56 100

69 164.3 27.8 41.6#

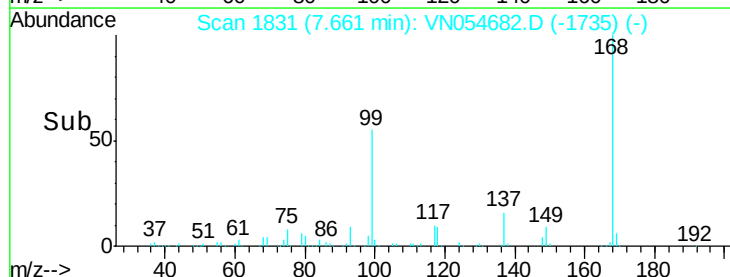
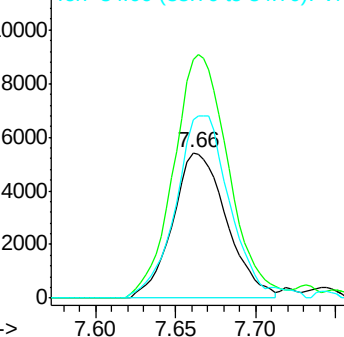
84 122.5 74.6 111.8#

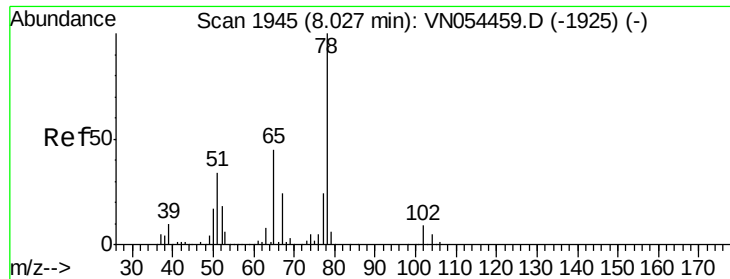


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

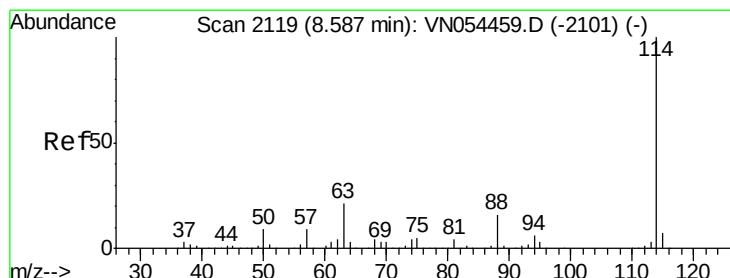
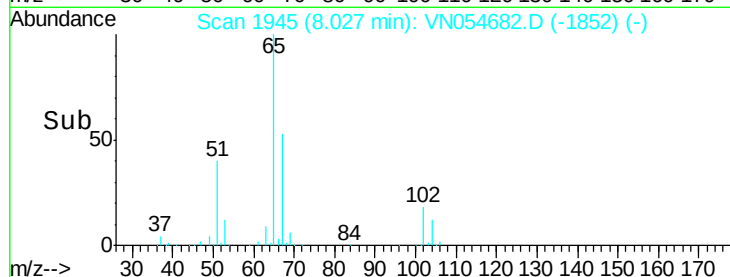
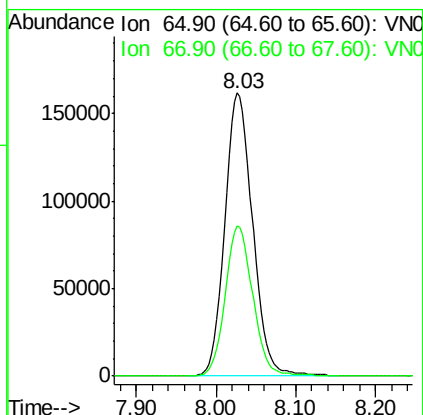
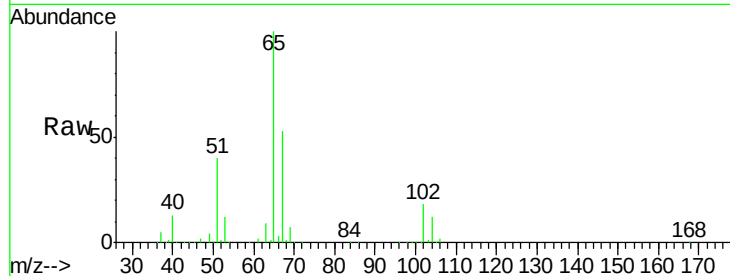




#33
 1,2-Dichloroethane-d4
 Concen: 53.008 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054682.D
 Acq: 25 Mar 2019 19:23

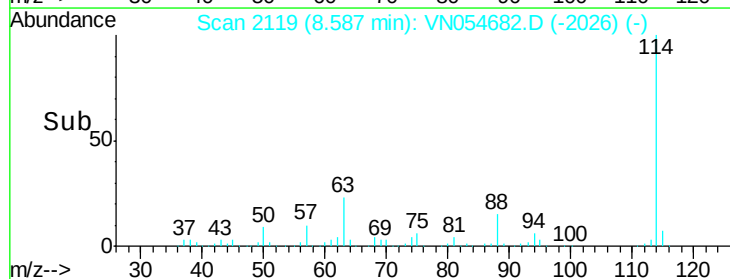
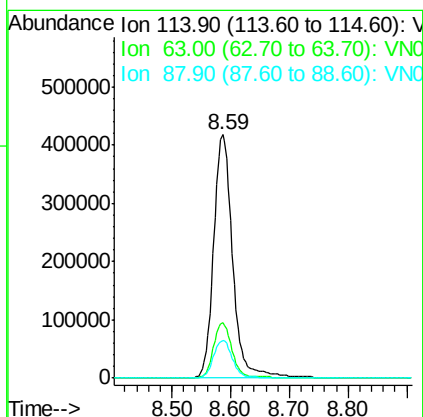
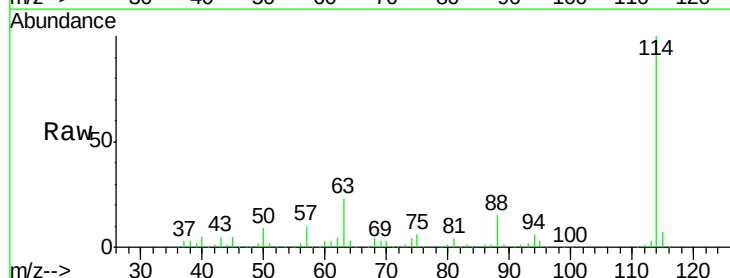
Instrument :
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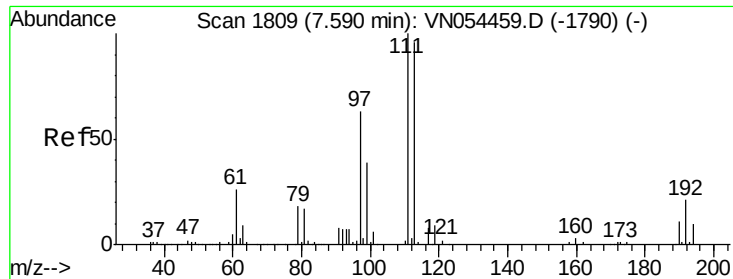
Tot Ion: 65 Resp: 384073
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054682.D
 Acq: 25 Mar 2019 19:23

Tgt Ion: 114 Resp: 942641
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 35.2
 88 15.4 0.0 30.2

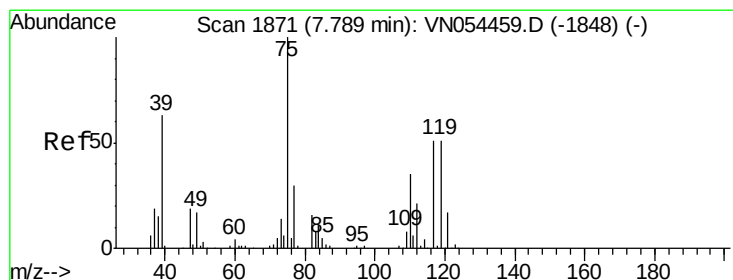
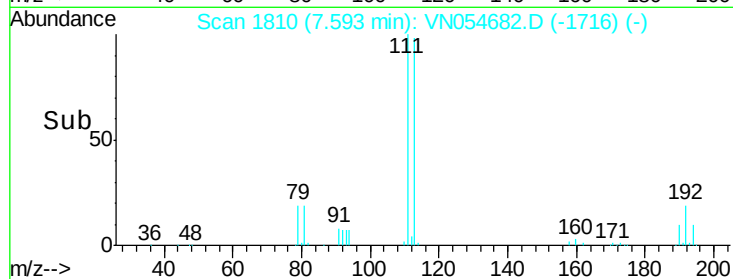
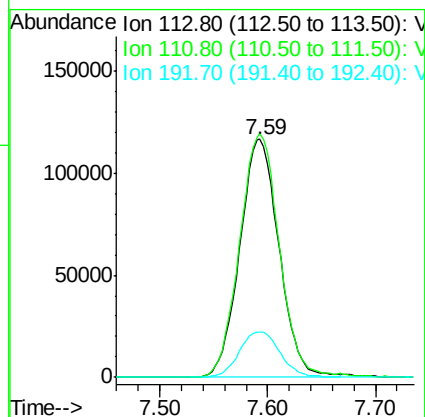
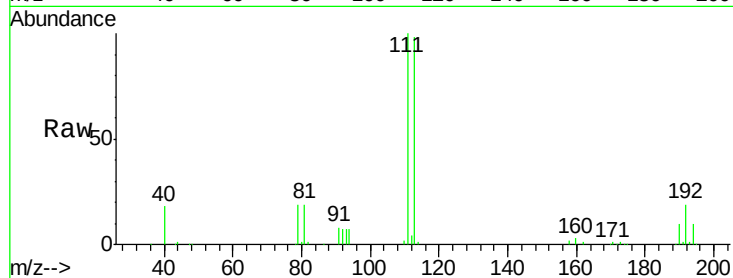




#35
 Dibromofluoromethane
 Concen: 48.547 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054682.D
 Acq: 25 Mar 2019 19:23

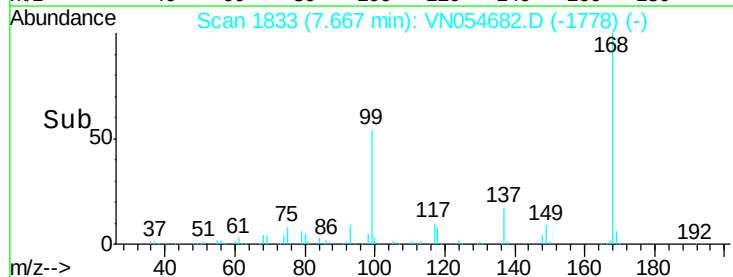
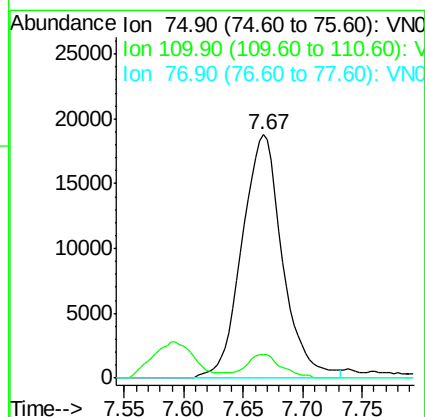
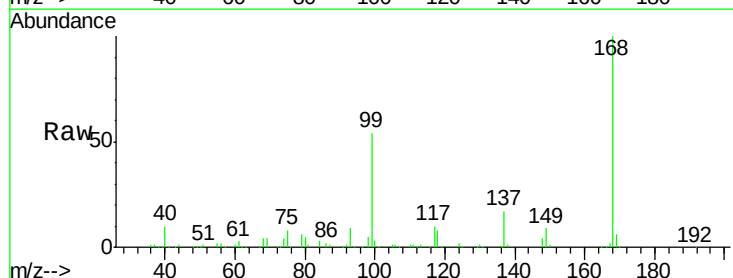
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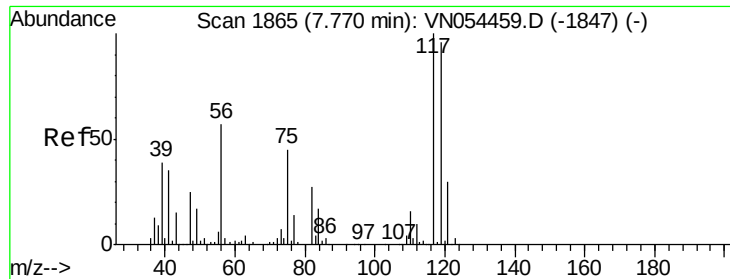
Tot Ion:113 Resp: 294825
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.2 123.4
 192 19.8 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 5.021 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054682.D
 Acq: 25 Mar 2019 19:23

Tgt Ion: 75 Resp: 44258
 Ion Ratio Lower Upper
 75 100
 110 8.4 19.1 57.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.430 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.10 min

Lab File: VN054682.D

Acq: 25 Mar 2019 19:23

Instrument :

MSVOA_N

ClientSampled :

CS-10

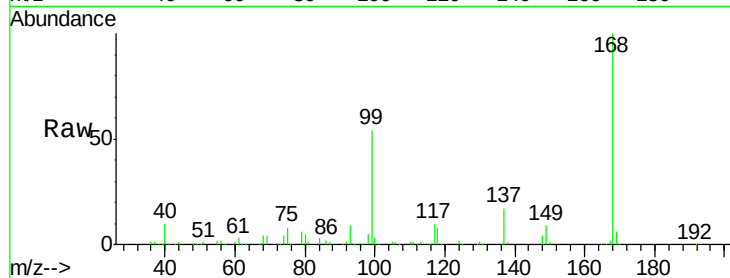
Tot Ion:117 Resp: 55072

Ion Ratio Lower Upper

117 100

119 3.7 76.3 114.5#

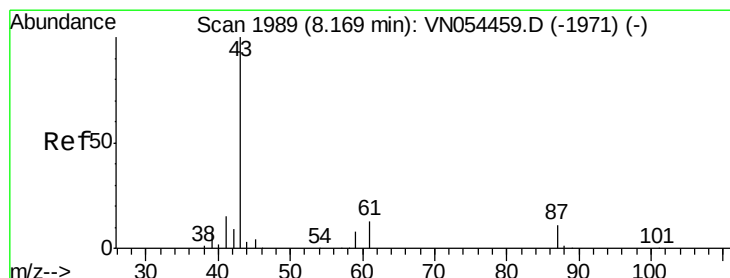
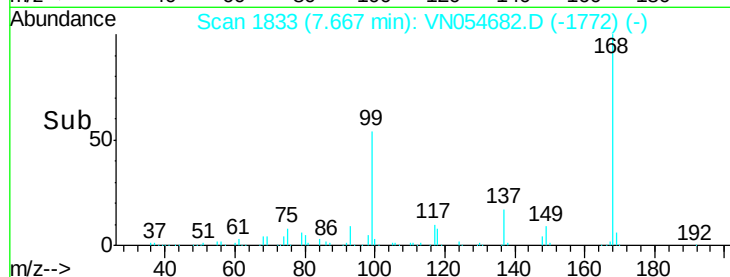
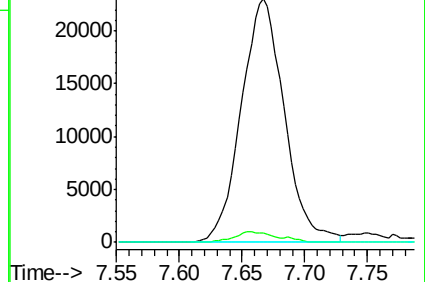
121 0.0 24.6 36.8#



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: 1.386 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054682.D

Acq: 25 Mar 2019 19:23

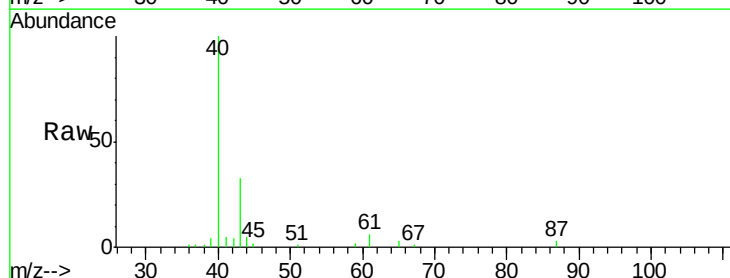
Tgt Ion: 43 Resp: 14678

Ion Ratio Lower Upper

43 100

61 16.8 15.8 23.8

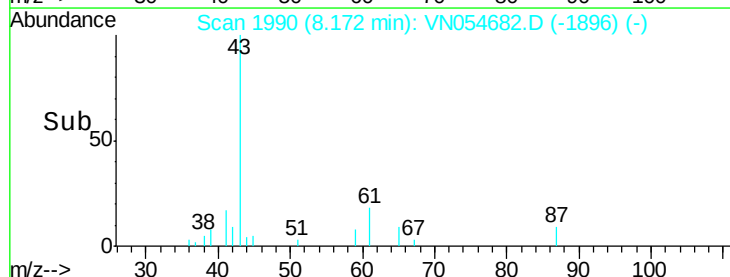
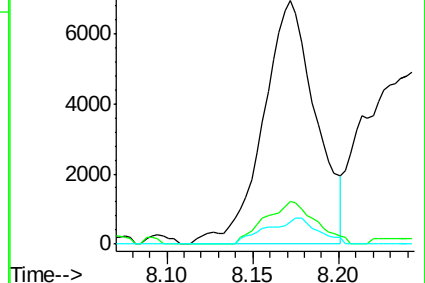
87 10.4 12.0 18.0#

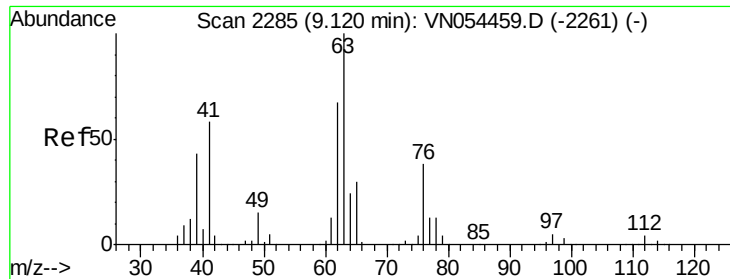


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

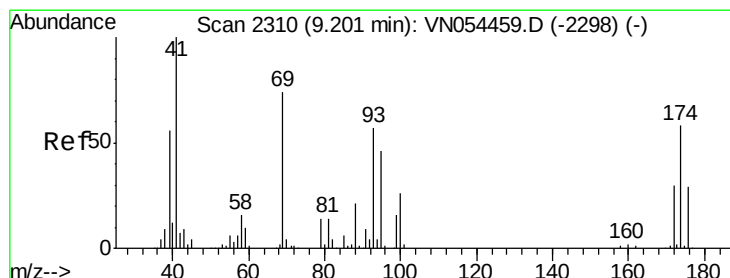
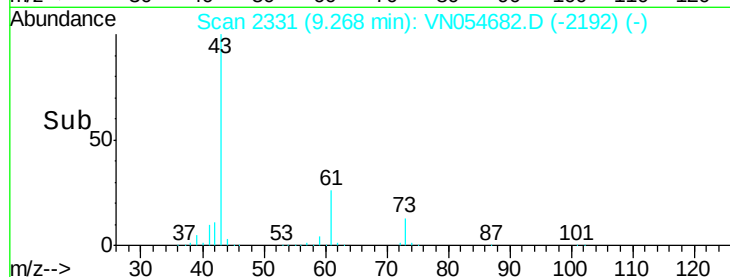
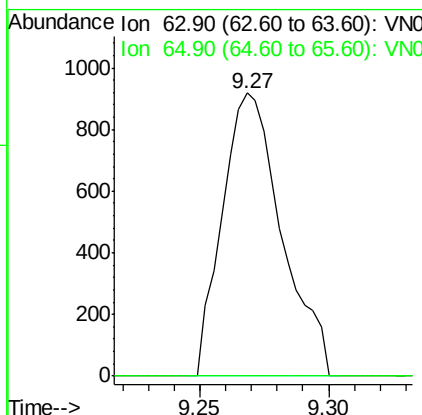
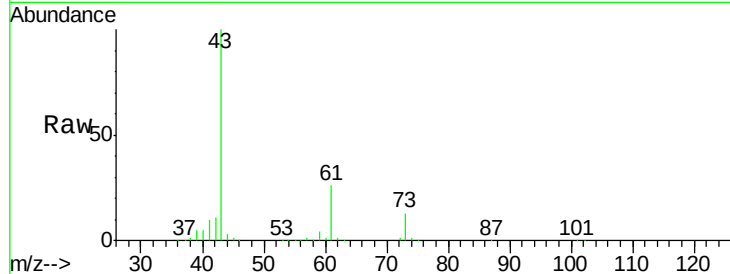




#45
 1,2-Dichloropropane
 Concen: 0.218 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN054682.D
 Acq: 25 Mar 2019 19:23

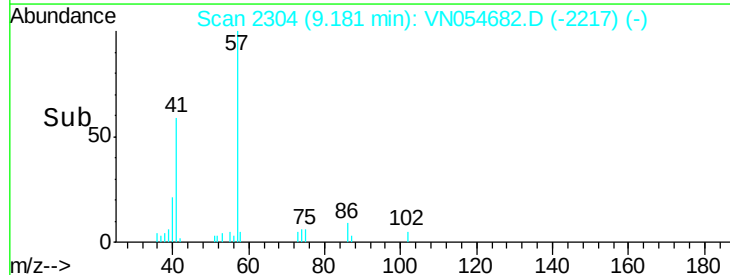
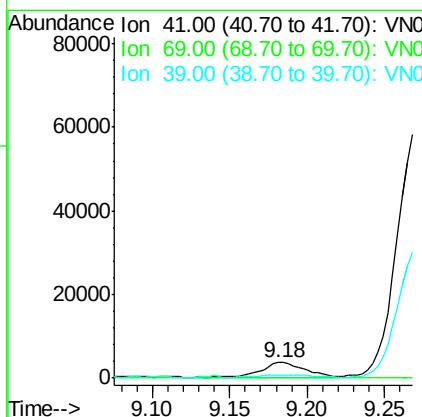
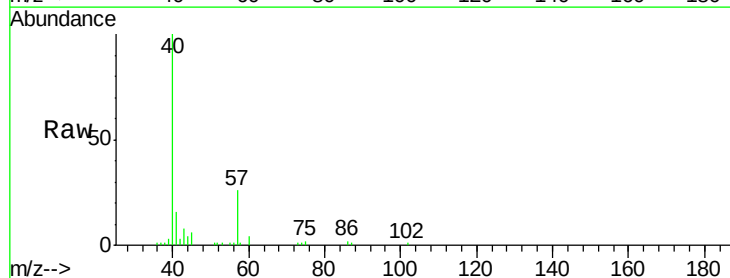
Instrument :
 MSVOA_N
 ClientSampled :
 CS-10

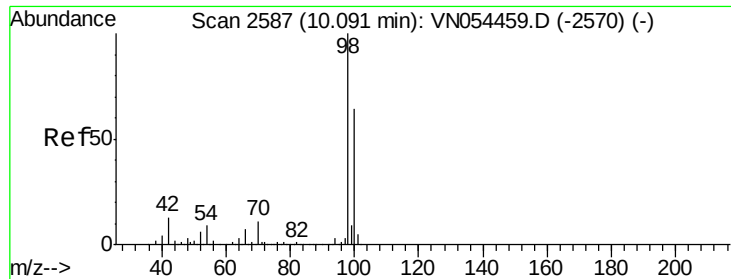
Tot Ion: 63 Resp: 1475
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.6#



#48
 Methyl methacrylate
 Concen: 1.200 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN054682.D
 Acq: 25 Mar 2019 19:23

Tgt Ion: 41 Resp: 6896
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.6 108.8#
 39 0.0 47.5 71.3#





#50

Toluene-d8

Concen: 49.711 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054682.D

Acq: 25 Mar 2019 19:23

Instrument :

MSVOA_N

ClientSampled :

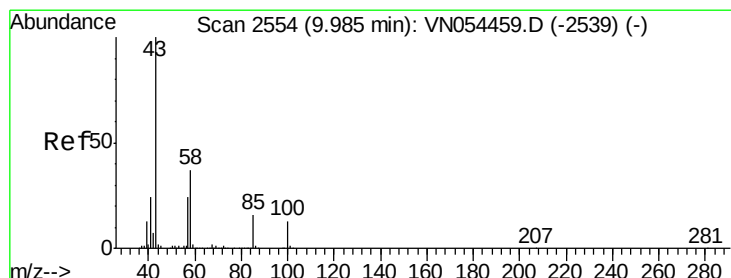
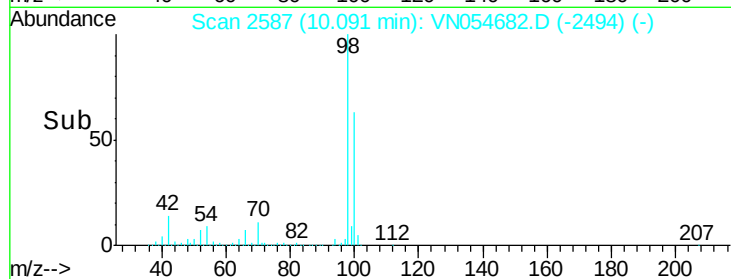
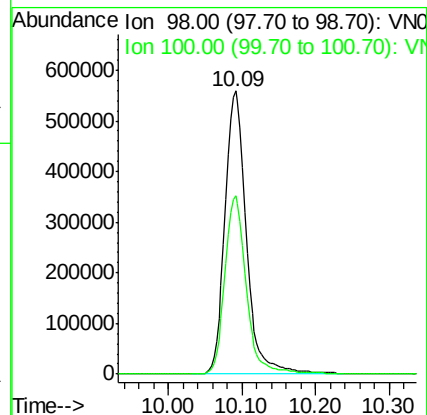
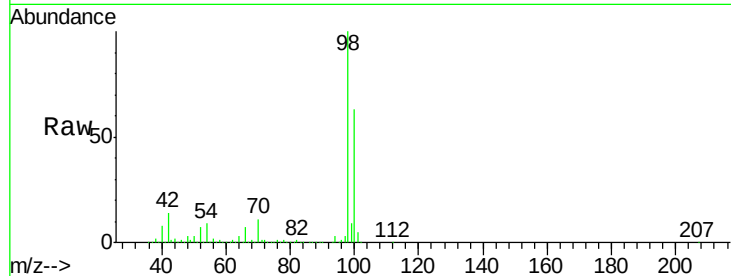
CS-10

Tot Ion: 98 Resp: 1134939

Ion Ratio Lower Upper

98 100

100 63.0 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 1.324 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN054682.D

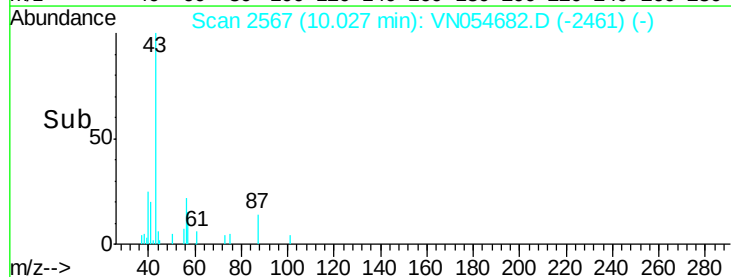
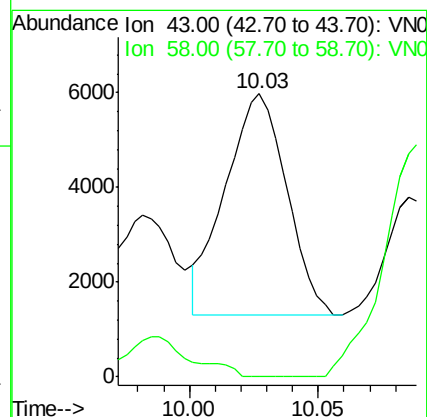
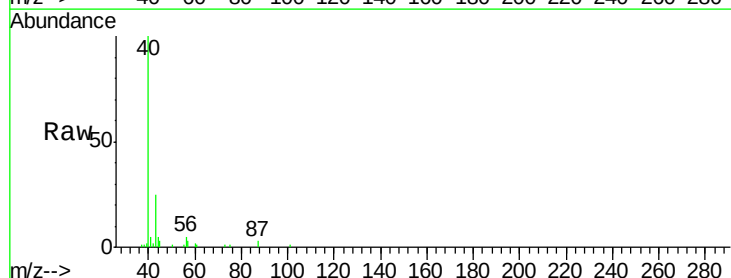
Acq: 25 Mar 2019 19:23

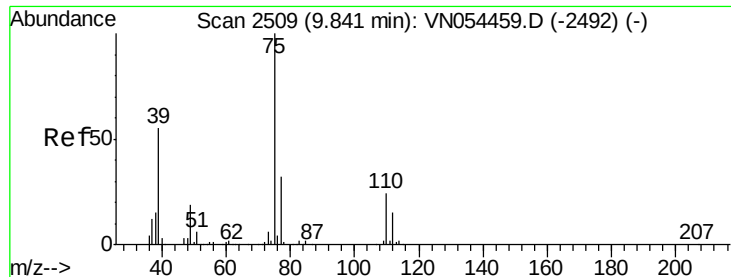
Tgt Ion: 43 Resp: 7769

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#





#54

cis-1,3-Dichloropropene

Concen: 5.336 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054682.D

Acq: 25 Mar 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

CS-10

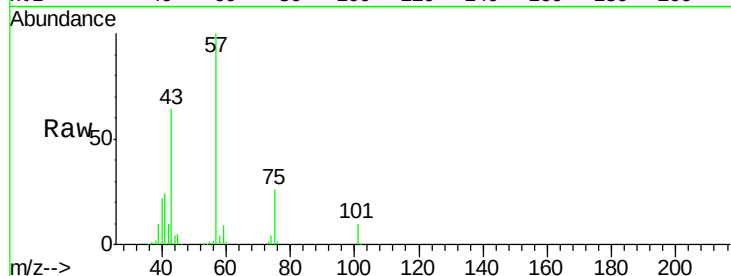
Tot Ion: 75 Resp: 51263

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

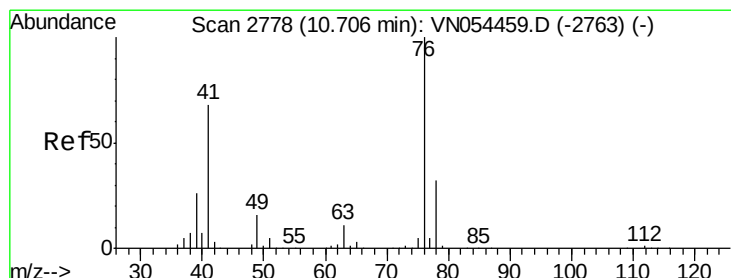
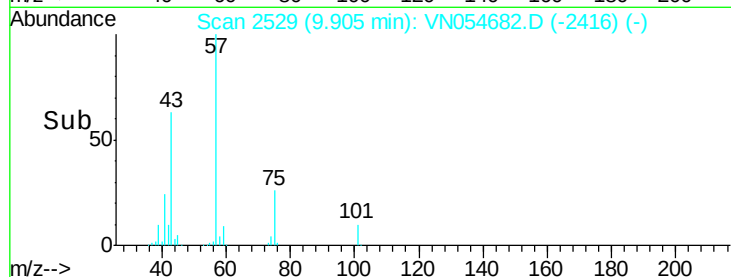
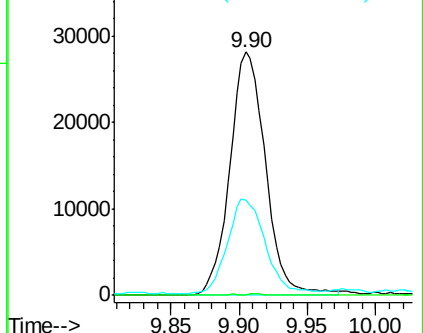
39 37.9 37.2 55.8



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: 1.019 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN054682.D

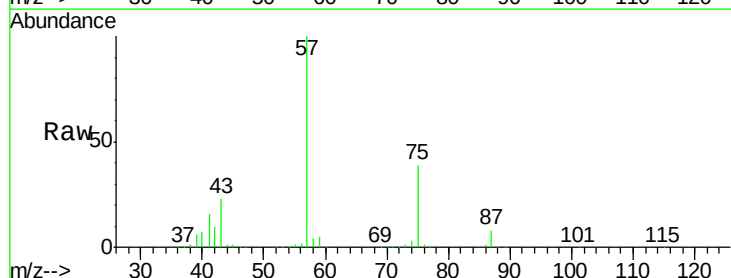
Acq: 25 Mar 2019 19:23

Tgt Ion: 76 Resp: 9869

Ion Ratio Lower Upper

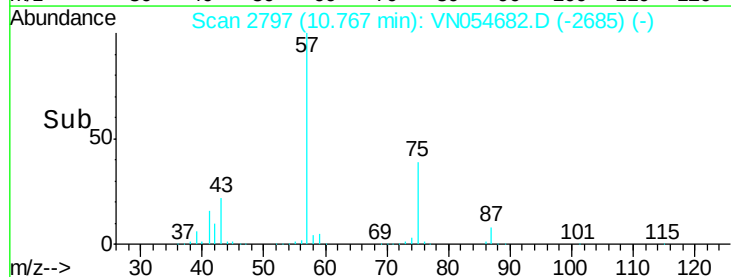
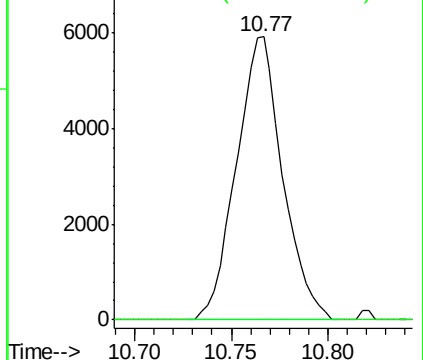
76 100

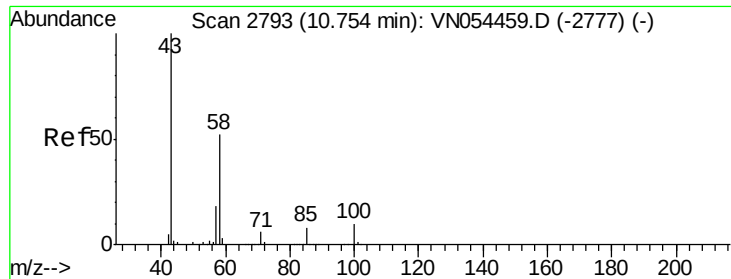
78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

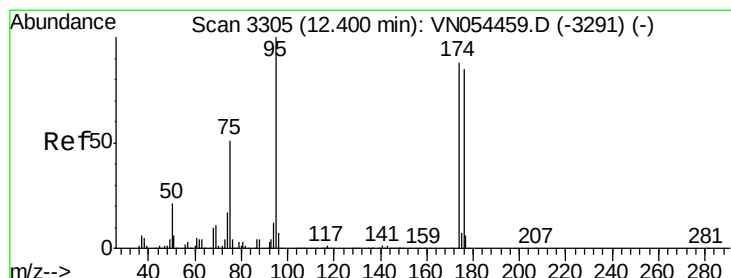
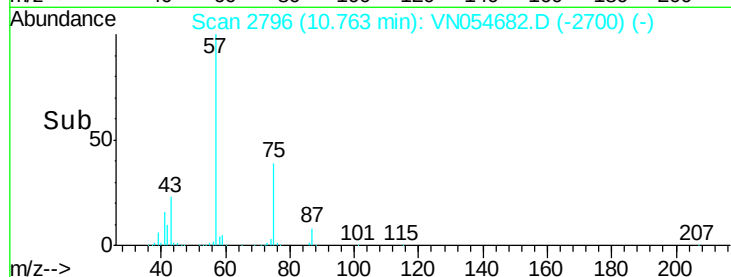
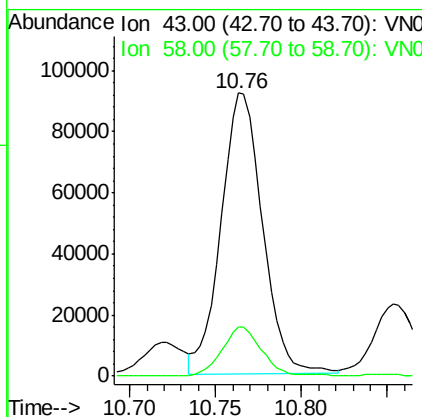
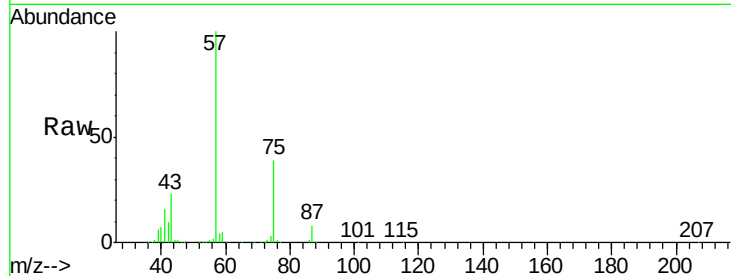




#59
2-Hexanone
Concen: 40.478 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN054682.D
Acq: 25 Mar 2019 19:23

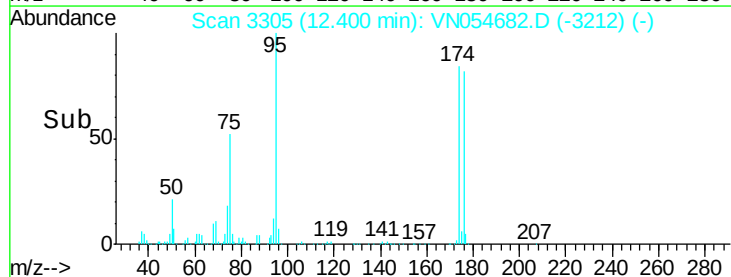
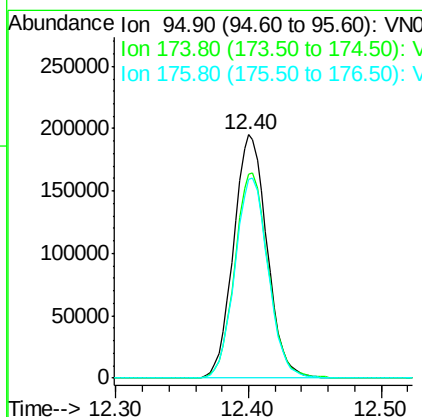
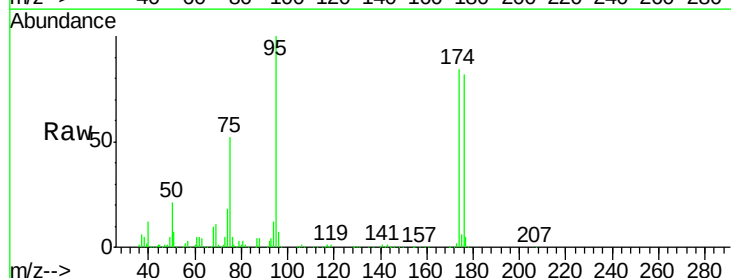
Instrument :
MSVOA_N
ClientSampled :
CS-10

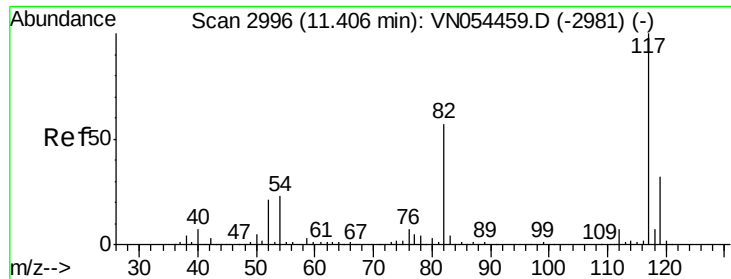
Tot Ion: 43 Resp: 155130
Ion Ratio Lower Upper
43 100
58 16.8 28.0 83.9#



#62
4-Bromofluorobenzene
Concen: 43.980 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054682.D
Acq: 25 Mar 2019 19:23

Tgt Ion: 95 Resp: 341673
Ion Ratio Lower Upper
95 100
174 84.5 0.0 191.0
176 81.7 0.0 187.4

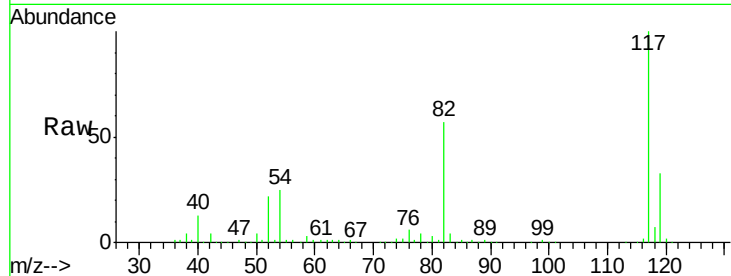




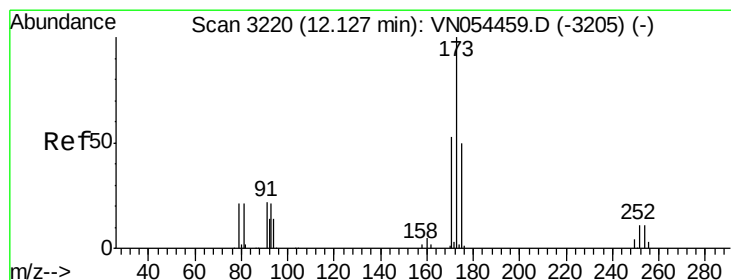
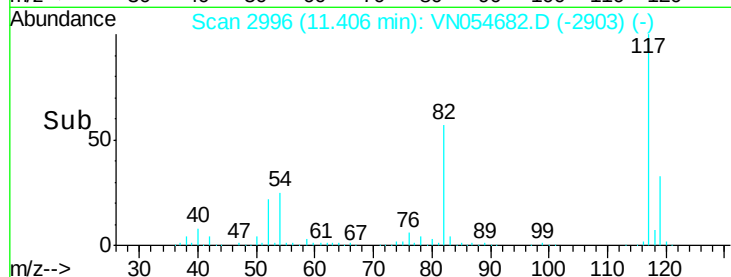
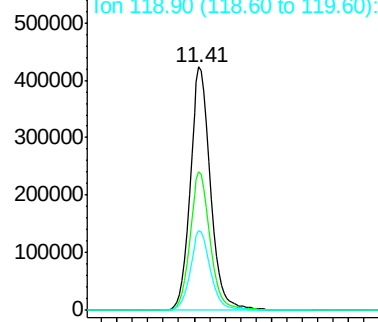
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054682.D
Acq: 25 Mar 2019 19:23

Instrument :
MSVOA_N
ClientSampled :
CS-10

Tot Ion:117 Resp: 781447
Ion Ratio Lower Upper
117 100
82 57.1 40.0 60.0
119 32.8 25.8 38.6

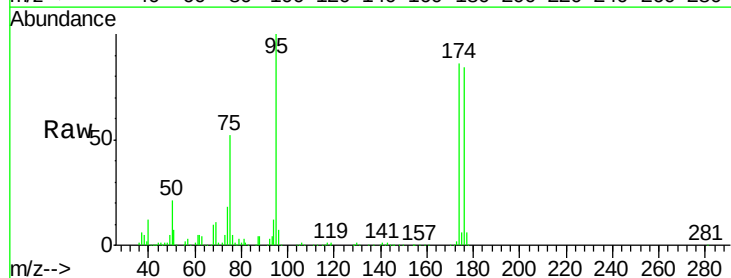


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

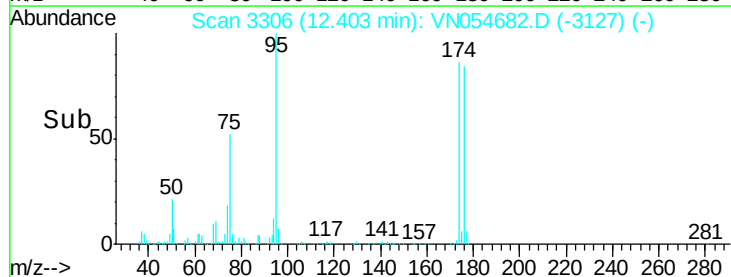
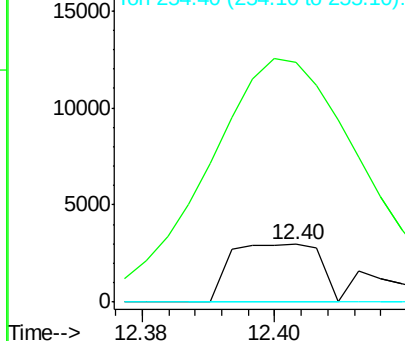


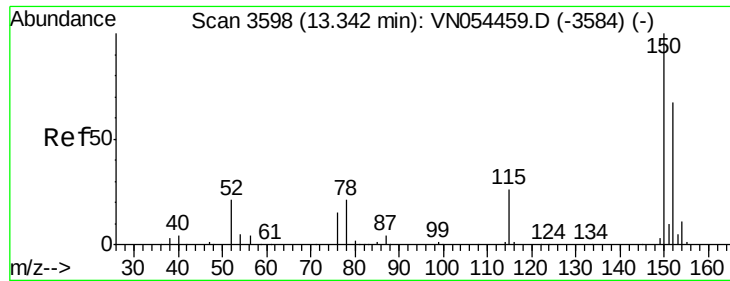
#71
Bromoform
Concen: 2.890 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054682.D
Acq: 25 Mar 2019 19:23

Tgt Ion:173 Resp: 2755
Ion Ratio Lower Upper
173 100
175 658.2 24.4 73.2#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054682.D

Acq: 25 Mar 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

CS-10

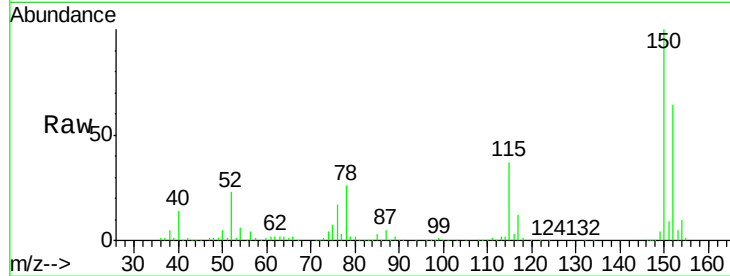
Tot Ion:152 Resp: 283723

Ion Ratio Lower Upper

152 100

115 57.7 27.2 81.6

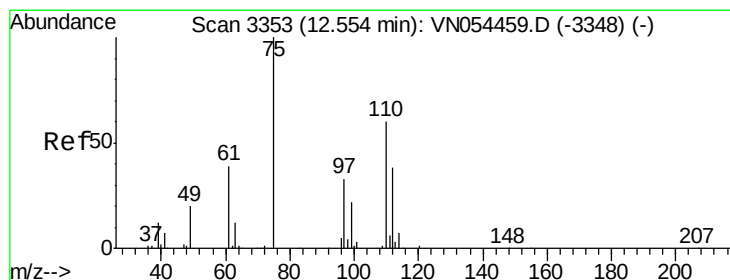
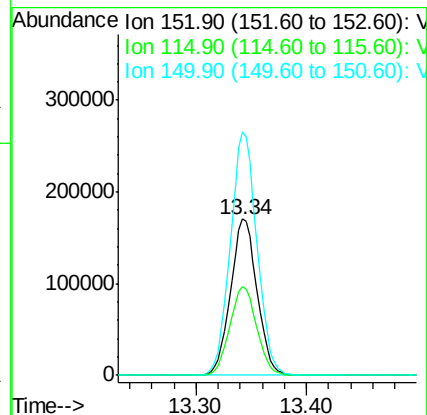
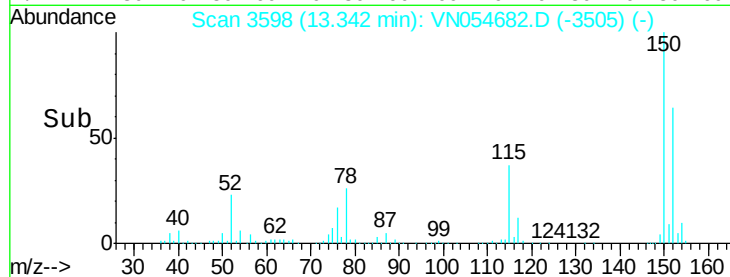
150 156.0 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 39.292 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054682.D

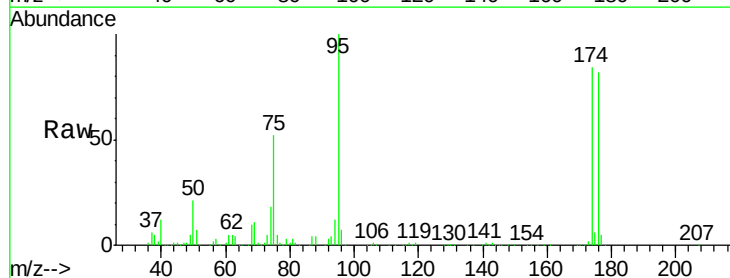
Acq: 25 Mar 2019 19:23

Tgt Ion: 75 Resp: 176904

Ion Ratio Lower Upper

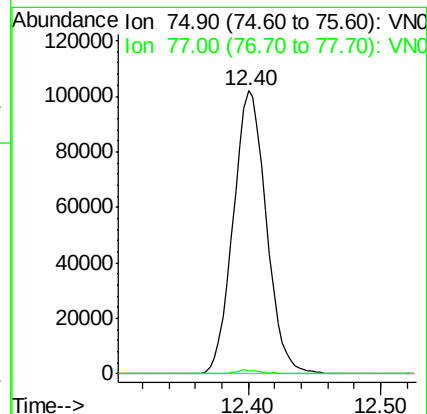
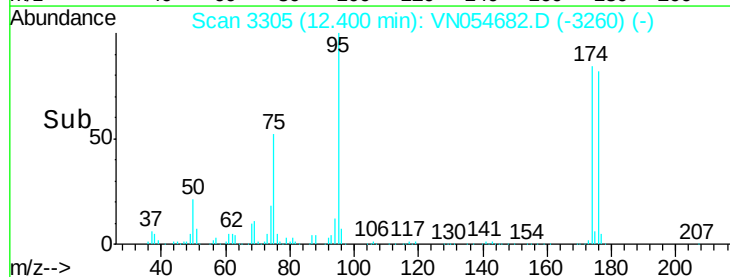
75 100

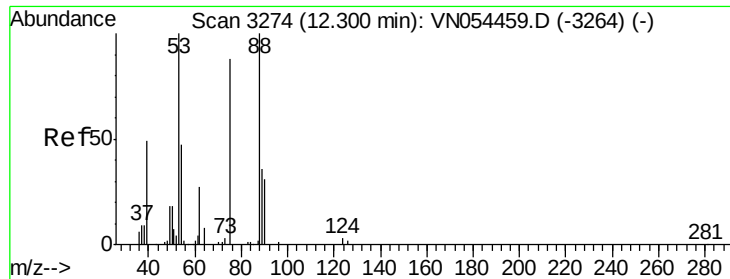
77 1.2 0.0 0.0#



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: 130.034 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054682.D

Acq: 25 Mar 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

CS-10

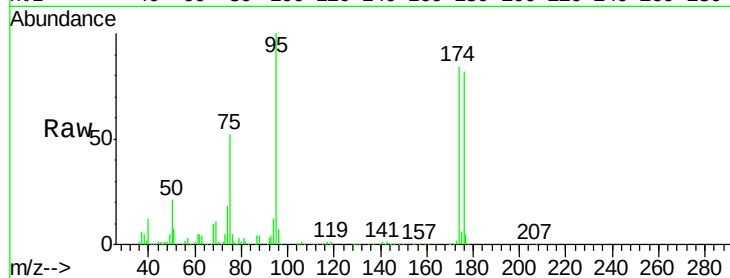
Tot Ion: 75 Resp: 176904

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

