

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112519\
 Data File : VN059389.D
 Acq On : 25 Nov 2019 17:38
 Operator : JC/SP
 Sample : K5671-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

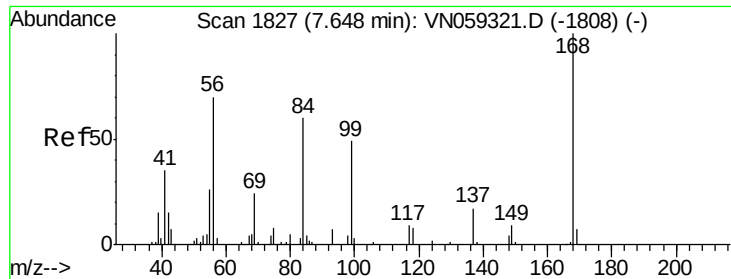
Quant Time: Nov 26 00:38:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	363628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	562047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	487950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	182922	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	206063	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	
35) Dibromofluoromethane	7.57	113	166857	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	10.08	98	683788	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.40	95	217175	46.33	ug/l	0.00
Spiked Amount			Recovery	=	92.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.52	41	6423	0.876	ug/l #	28
16) Acetone	3.79	43	515969	263.753	ug/l	100
17) Carbon Disulfide	4.03	76	1789	0.285	ug/l #	75
18) Methyl Acetate	4.31	43	4109	0.633	ug/l	100
20) Methylene Chloride	4.53	84	160793	36.444	ug/l	99
25) 2-Butanone	6.81	43	2120	0.697	ug/l #	88
29) Tetrahydrofuran	7.20	42	856	0.407	ug/l #	53
30) Chloroform	7.35	83	317	Below Cal		89
31) Cyclohexane	7.64	56	6301	0.820	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	26036	4.487	ug/l #	46
37) Ethyl Acetate	6.81	43	2120	0.340	ug/l #	68
38) Carbon Tetrachloride	7.64	117	33377	6.009	ug/l #	16
41) Methacrylonitrile	7.20	41	600	0.217	ug/l #	100
43) Isopropyl Acetate	8.15	43	81439	8.545	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	1640	0.361	ug/l #	45
48) Methyl methacrylate	9.17	41	5149	1.188	ug/l #	14
51) 4-Methyl-2-Pentanone	9.98	43	6285	1.127	ug/l	97
54) cis-1,3-Dichloropropene	9.90	75	38239	5.434	ug/l #	63
56) Ethyl methacrylate	10.54	69	1195	2.363	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	6048	0.872	ug/l #	42
59) 2-Hexanone	10.76	43	86818	21.255	ug/l #	52
71) Bromoform	12.40	173	1192	0.413	ug/l #	1
74) N-ethyl acetate	12.03	43	3475	0.577	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	104202	24.658	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.74	105	4430	0.352	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	104202	61.673	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.04	105	6298	0.510	ug/l	98
90) Hexachloroethane	13.89	117	568	0.236	ug/l #	9
93) 1,2,4-Trichlorobenzene	14.92	180	586	3.080	ug/l #	1
95) Naphthalene	15.13	128	11686	4.183	ug/l	97
96) 1,2,3-Trichlorobenzene	15.29	180	798	2.102	ug/l	71

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059389.D

Acq: 25 Nov 2019 17:38

Instrument :

MSVOA_N

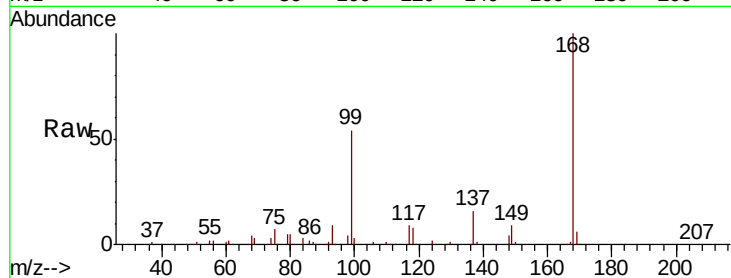
ClientSampleId :

Tot Ion:168 Resp: 363628

Ion Ratio Lower Upper

168 100

99 54.4 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

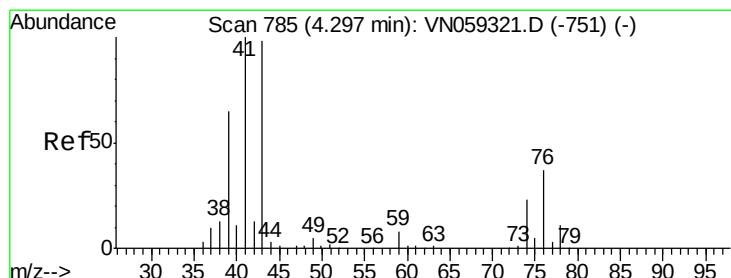
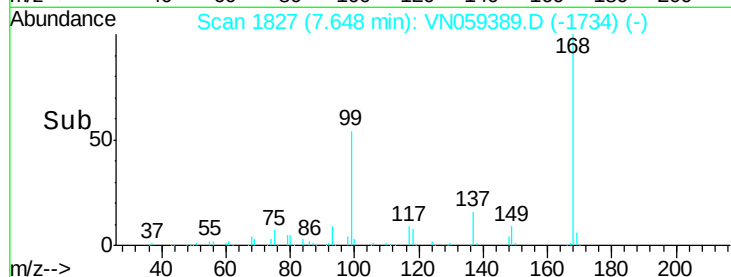
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 0.876 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.23 min

Lab File: VN059389.D

Acq: 25 Nov 2019 17:38

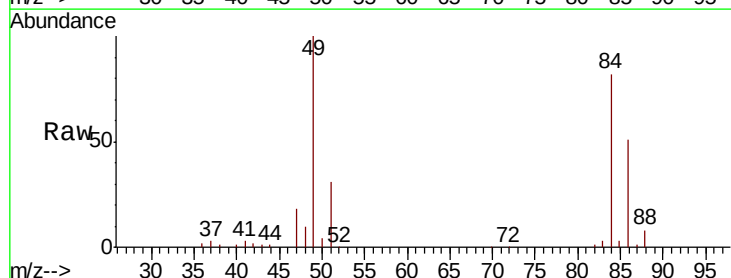
Tgt Ion: 41 Resp: 6423

Ion Ratio Lower Upper

41 100

39 0.0 48.4 72.6#

76 0.0 26.2 39.4#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.52

2500

2000

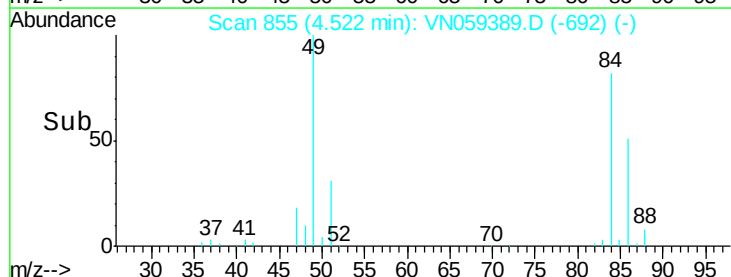
1500

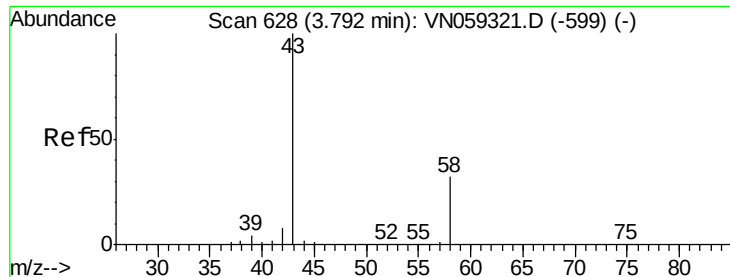
1000

500

0

Time-->





#16

Acetone

Concen: 263.753 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.01 min

Lab File: VN059389.D

Acq: 25 Nov 2019 17:38

Instrument :

MSVOA_N

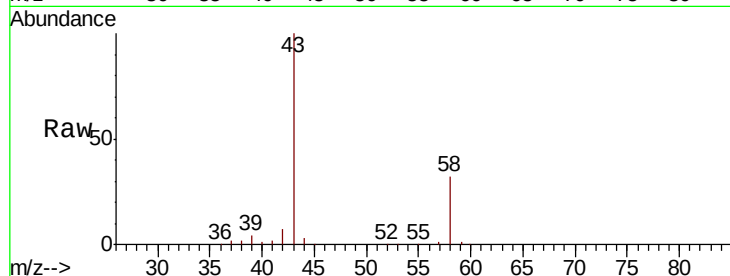
ClientSampled :

Tot Ion: 43 Resp: 515969

Ion Ratio Lower Upper

43 100

58 32.0 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

200000

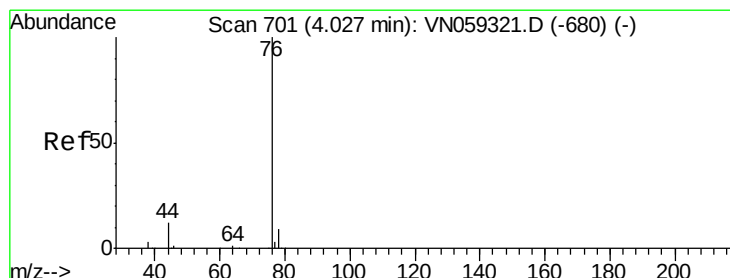
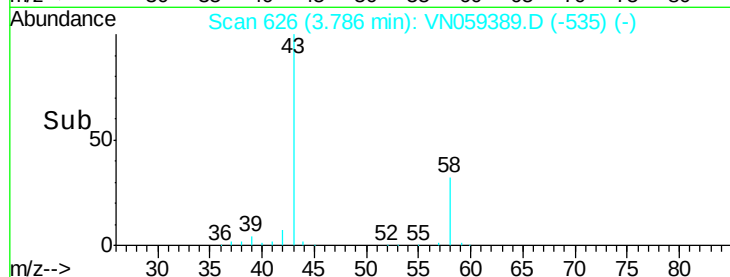
150000

100000

50000

0

Time-->



#17

Carbon Disulfide

Concen: 0.285 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059389.D

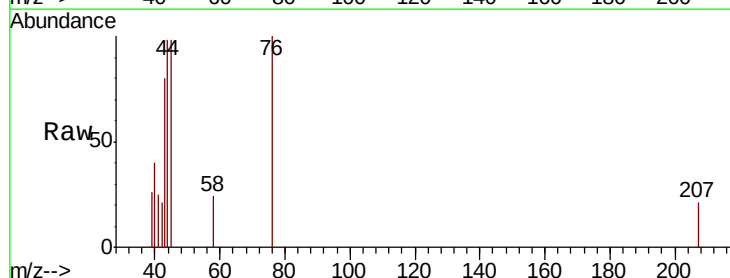
Acq: 25 Nov 2019 17:38

Tgt Ion: 76 Resp: 1789

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

800

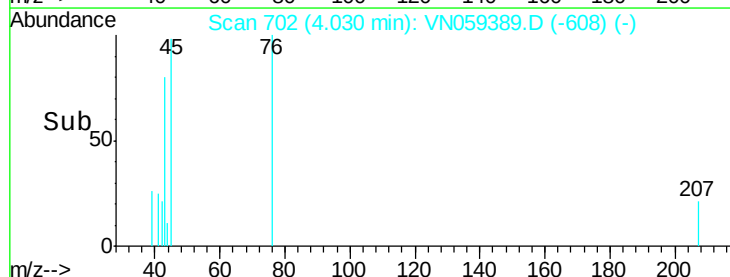
600

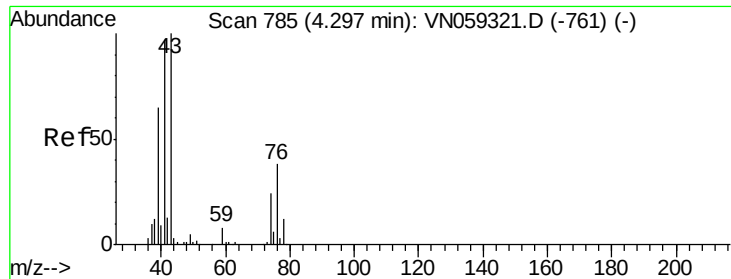
400

200

0

Time-->

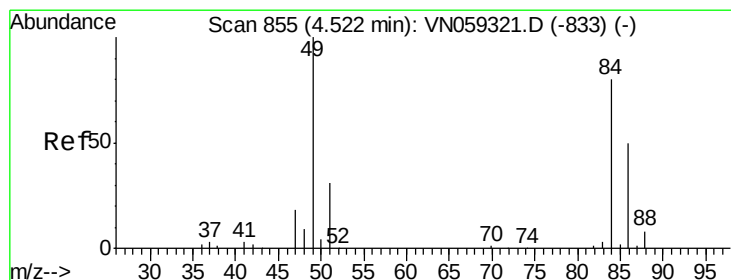
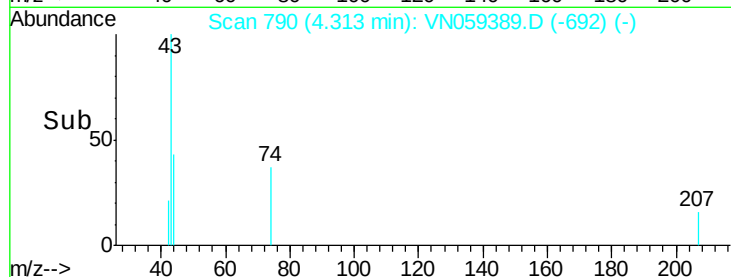
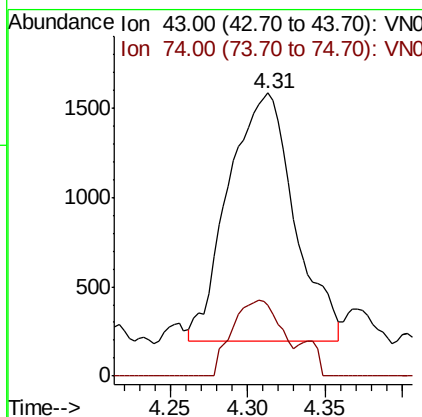
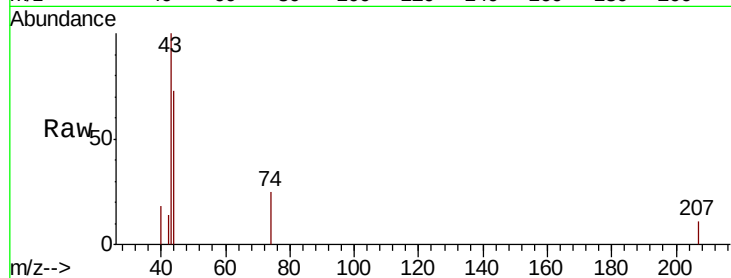




#18
Methyl Acetate
Concen: 0.633 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.02 min
Lab File: VN059389.D
Acq: 25 Nov 2019 17:38

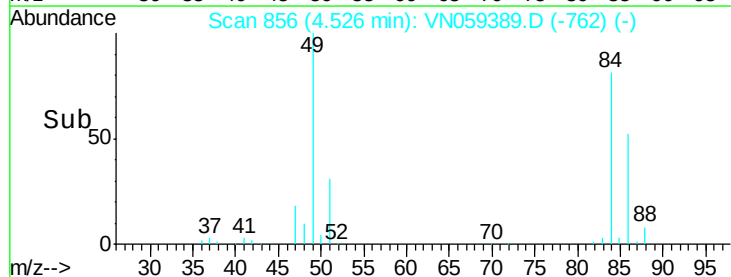
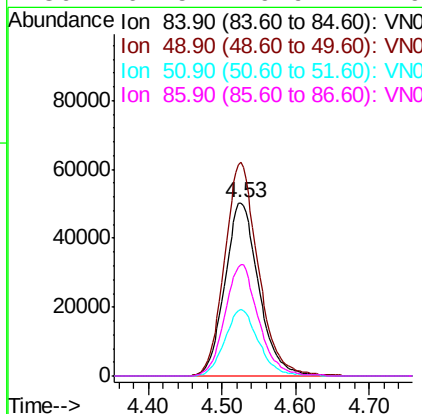
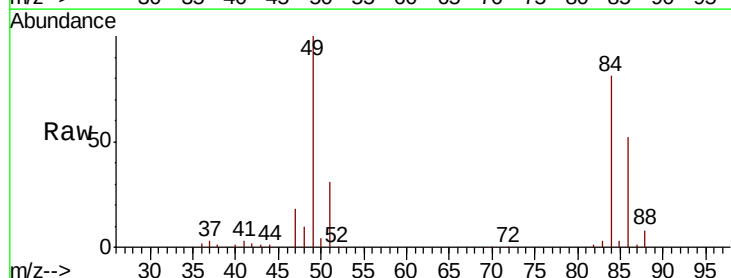
Instrument :
MSVOA_N
ClientSampleId :

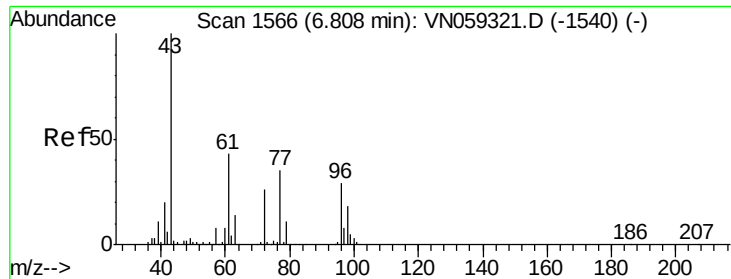
Tot Ion: 43 Resp: 4109
Ion Ratio Lower Upper
43 100
74 22.7 18.1 27.1



#20
Methylene Chloride
Concen: 36.444 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059389.D
Acq: 25 Nov 2019 17:38

Tgt Ion: 84 Resp: 160793
Ion Ratio Lower Upper
84 100
49 123.3 99.5 149.3
51 38.3 31.1 46.7
86 64.5 49.9 74.9





#25

2-Butanone

Concen: 0.697 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN059389.D

Acq: 25 Nov 2019 17:38

Instrument :

MSVOA_N

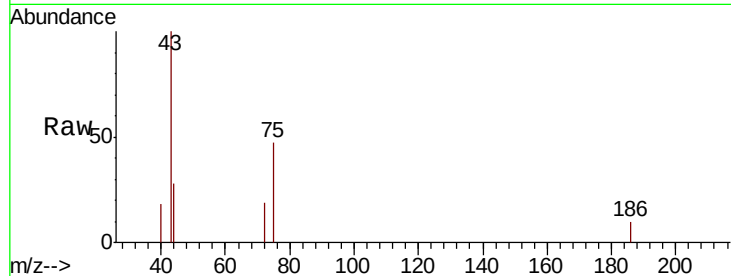
ClientSampled :

Tot Ion: 43 Resp: 2120

Ion Ratio Lower Upper

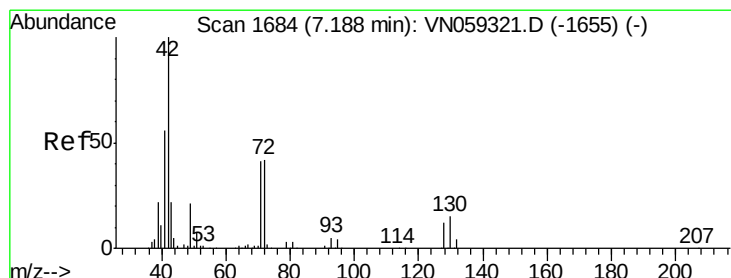
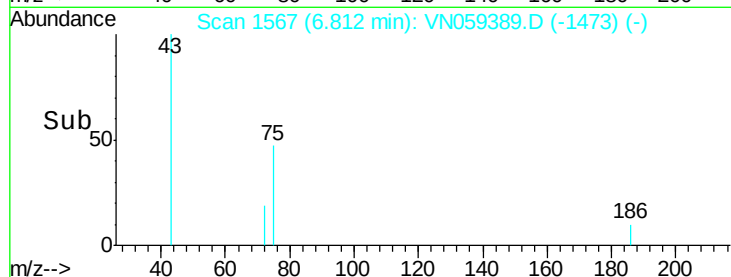
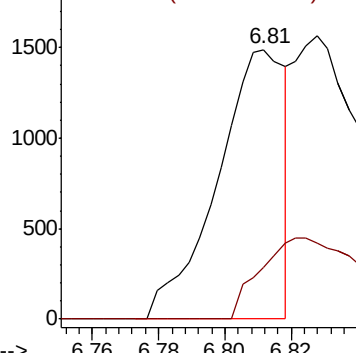
43 100

72 19.3 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.407 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.02 min

Lab File: VN059389.D

Acq: 25 Nov 2019 17:38

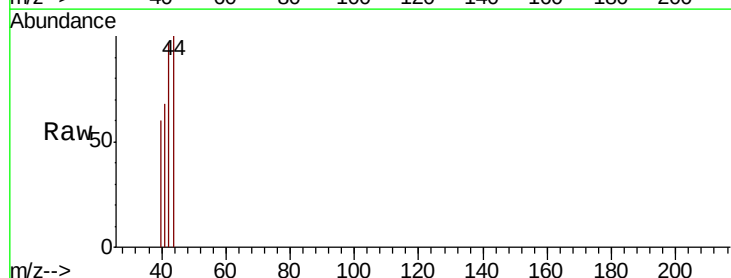
Tgt Ion: 42 Resp: 856

Ion Ratio Lower Upper

42 100

72 7.4 34.2 51.2#

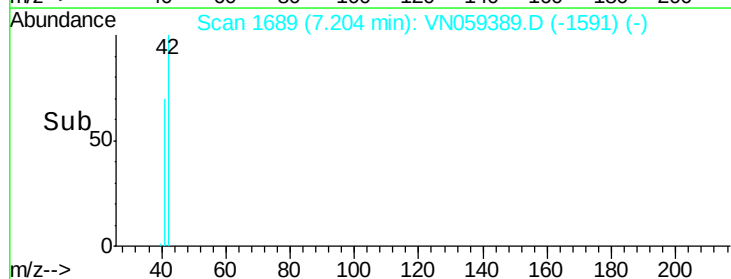
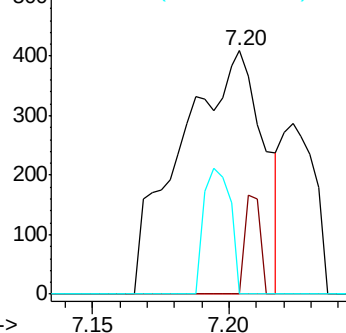
71 16.6 32.6 48.8#

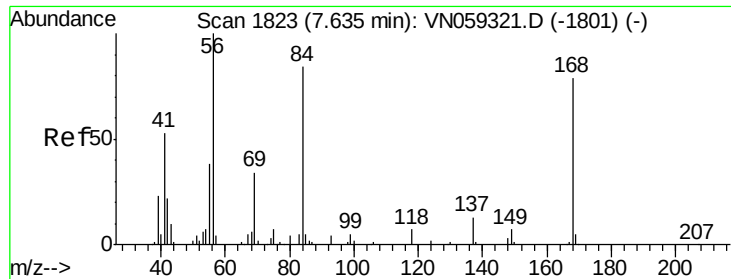


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

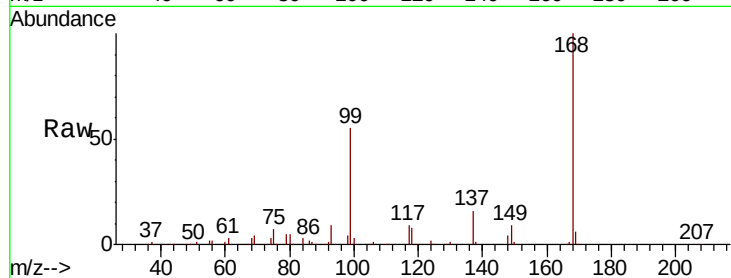




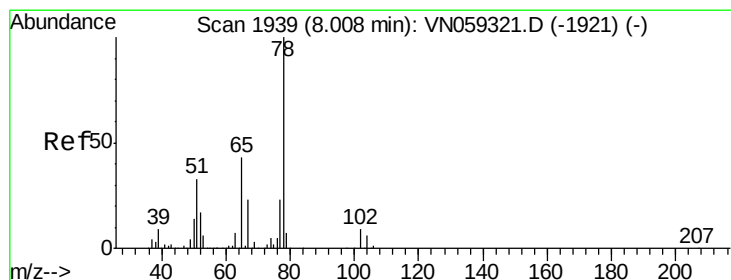
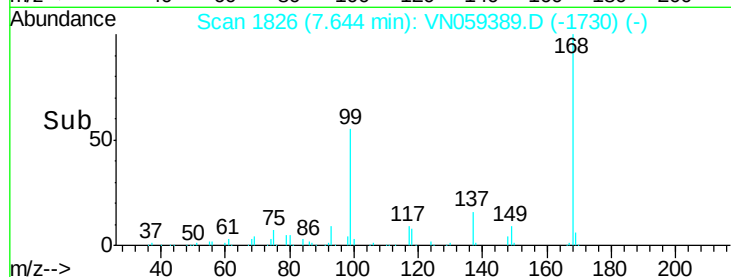
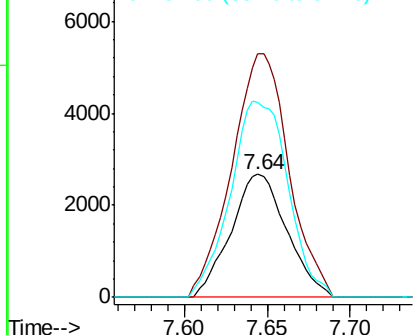
#31
Cyclohexane
Concen: 0.820 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059389.D
Acq: 25 Nov 2019 17:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 6301
Ion Ratio Lower Upper
56 100
69 197.5 26.6 40.0#
84 157.8 67.0 100.4#

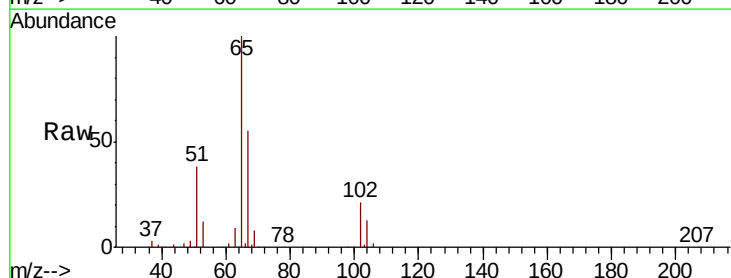


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

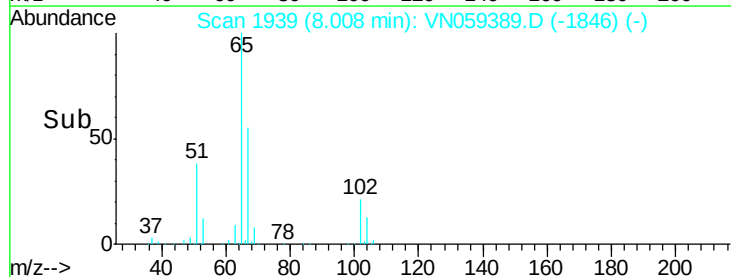
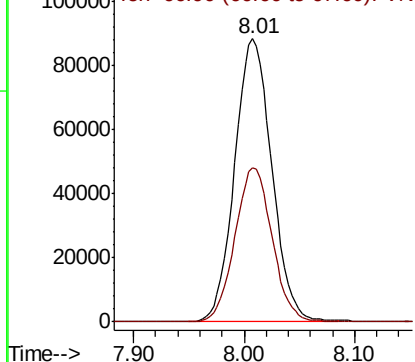


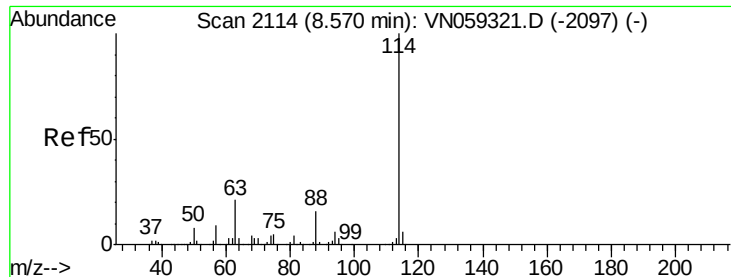
#33
1,2-Dichloroethane-d4
Concen: 47.230 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN059389.D
Acq: 25 Nov 2019 17:38

Tgt Ion: 65 Resp: 206063
Ion Ratio Lower Upper
65 100
67 54.8 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

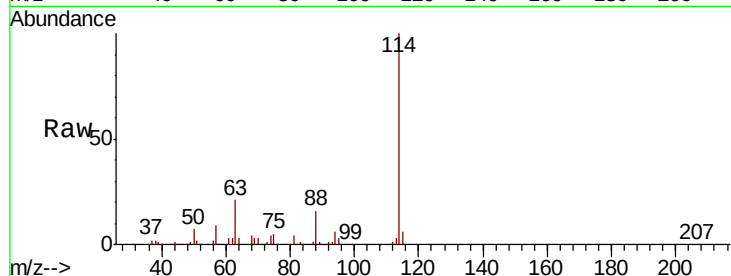




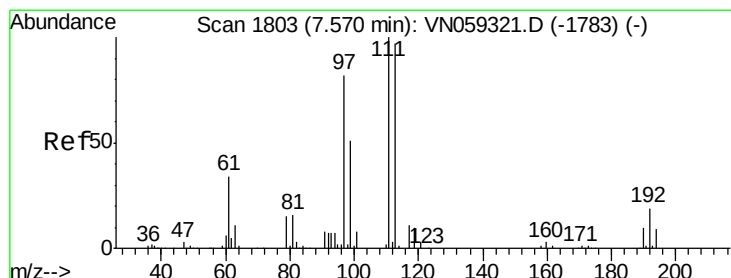
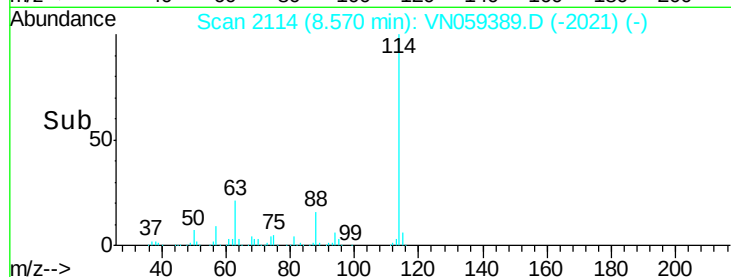
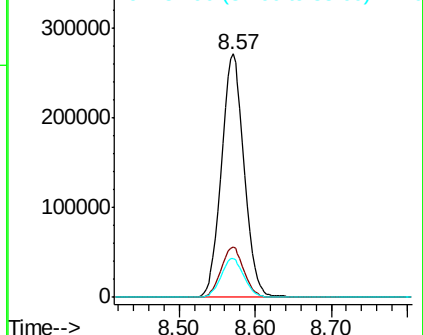
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059389.D
 Acq: 25 Nov 2019 17:38

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	42.2
88	15.9	0.0	32.2

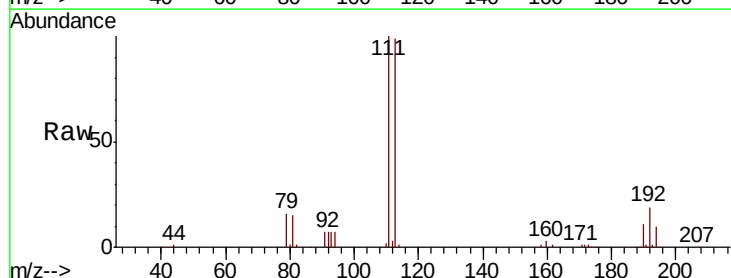


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

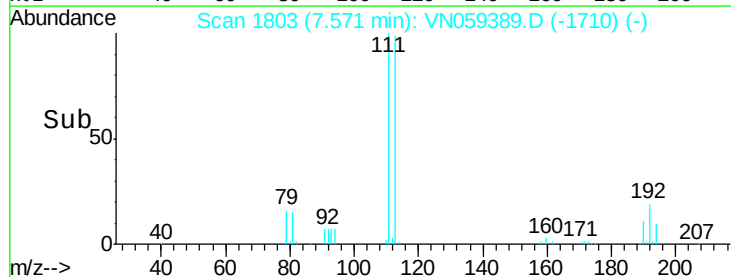
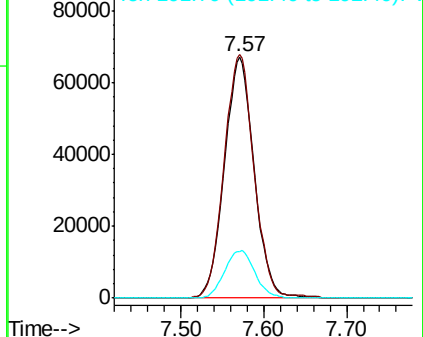


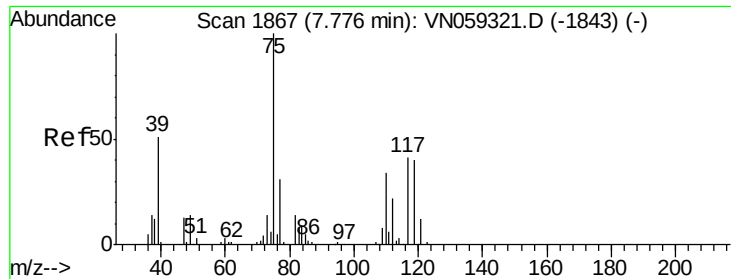
#35
 Dibromofluoromethane
 Concen: 49.484 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059389.D
 Acq: 25 Nov 2019 17:38

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.7	124.1
192	20.1	16.3	24.5



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.487 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN059389.D

Acq: 25 Nov 2019 17:38

Instrument :

MSVOA_N

ClientSampled :

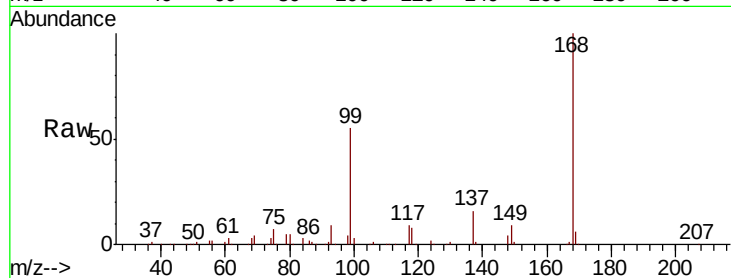
Tot Ion: 75 Resp: 26036

Ion Ratio Lower Upper

75 100

110 4.0 17.0 51.0#

77 0.0 24.8 37.2#

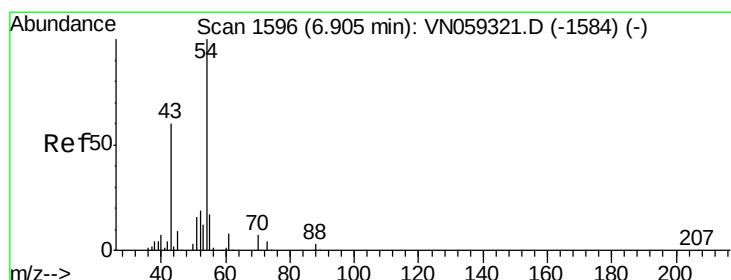
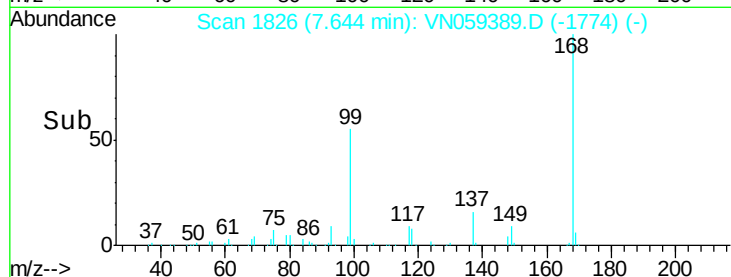


Abundance Ion 74.90 (74.60 to 75.60): VN059389.D (-1774) (-)

Ion 109.90 (109.60 to 110.60): VN059389.D (-1774) (-)

Ion 76.90 (76.60 to 77.60): VN059389.D (-1774) (-)

Time-->



#37

Ethyl Acetate

Concen: 0.340 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.09 min

Lab File: VN059389.D

Acq: 25 Nov 2019 17:38

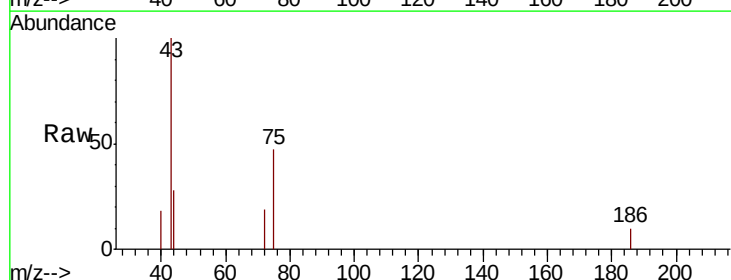
Tgt Ion: 43 Resp: 2120

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

70 0.0 8.8 13.2#

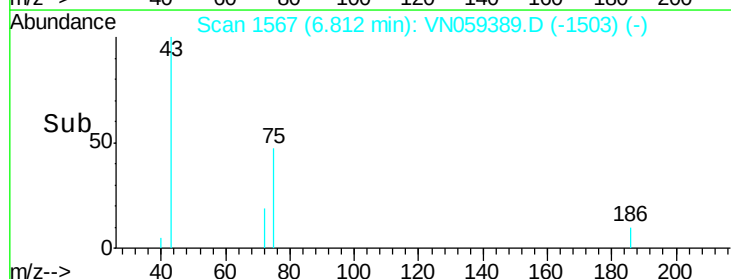


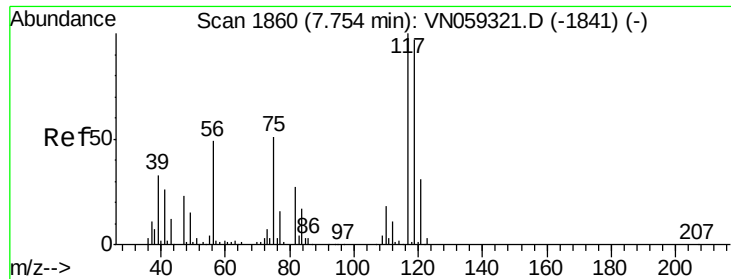
Abundance Ion 43.00 (42.70 to 43.70): VN059389.D (-1503) (-)

Ion 60.90 (60.60 to 61.60): VN059389.D (-1503) (-)

Ion 70.00 (69.70 to 70.70): VN059389.D (-1503) (-)

Time-->





#38

Carbon Tetrachloride

Concen: 6.009 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059389.D

Acq: 25 Nov 2019 17:38

Instrument :

MSVOA_N

ClientSampled :

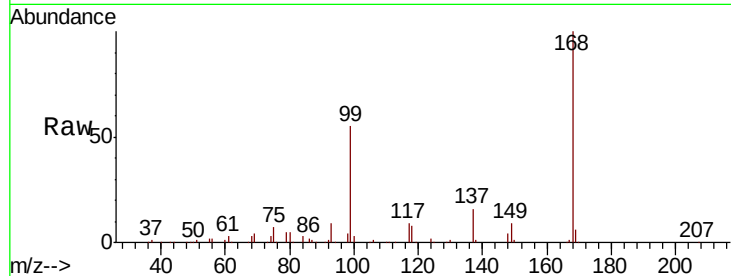
Tot Ion:117 Resp: 33377

Ion Ratio Lower Upper

117 100

119 5.0 77.0 115.4#

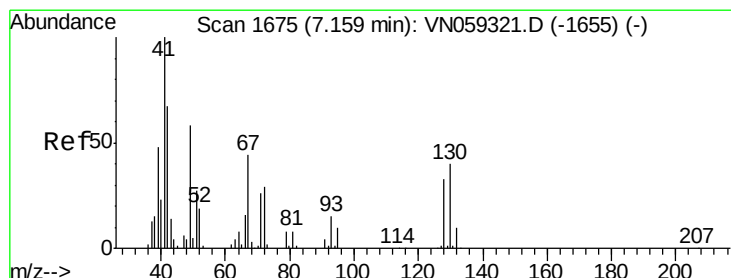
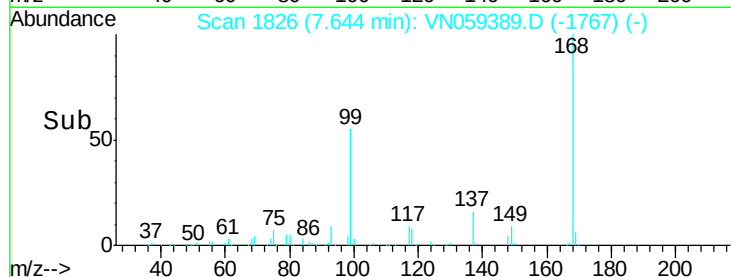
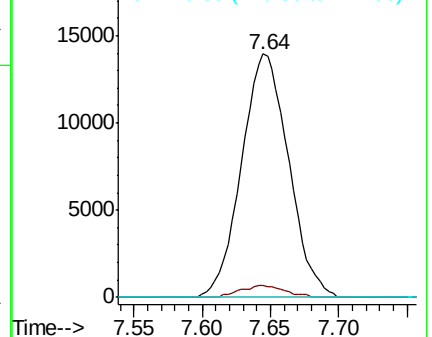
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.217 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.04 min

Lab File: VN059389.D

Acq: 25 Nov 2019 17:38

Tgt Ion: 41 Resp: 600

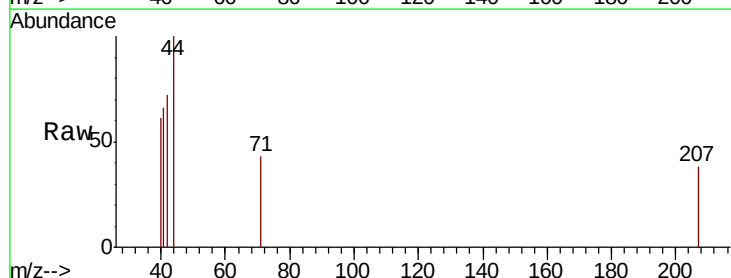
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

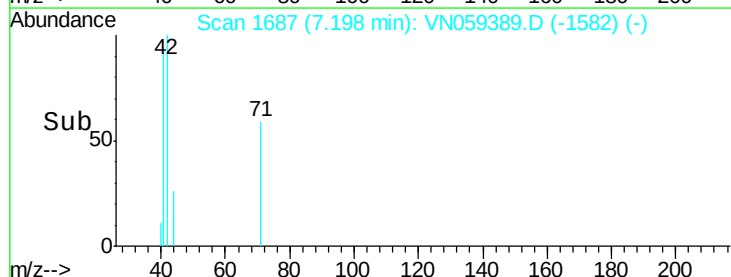
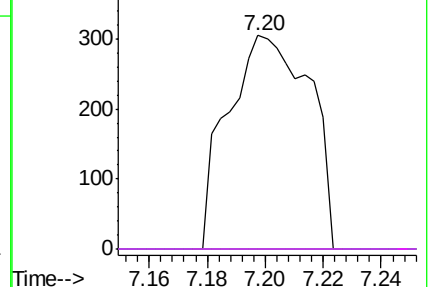


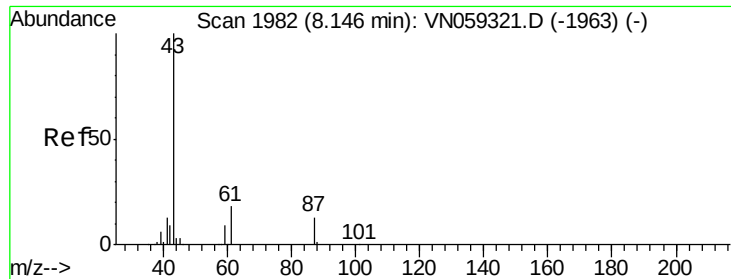
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 8.545 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059389.D

Acq: 25 Nov 2019 17:38

Instrument :

MSVOA_N

ClientSampleId :

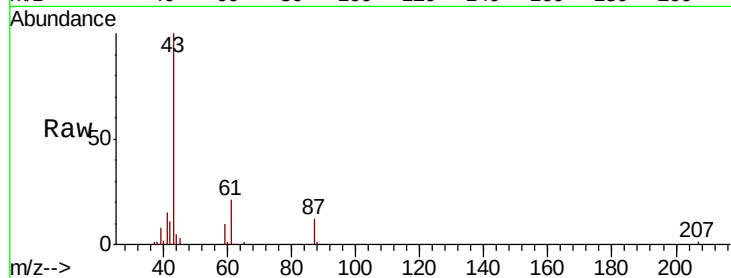
Tot Ion: 43 Resp: 81439

Ion Ratio Lower Upper

43 100

61 20.8 21.7 32.5#

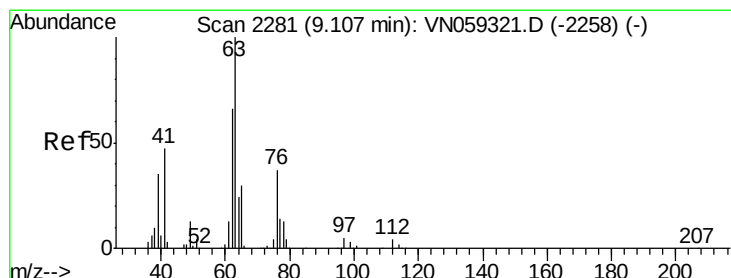
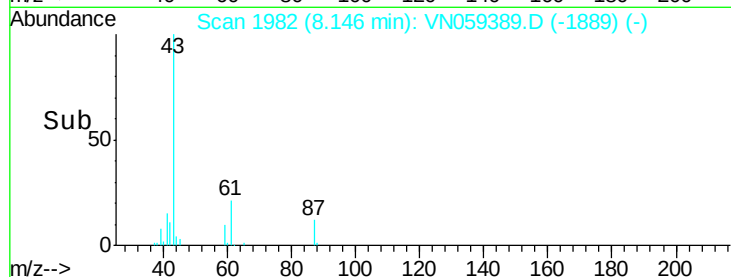
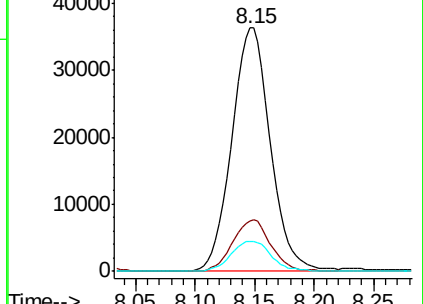
87 12.8 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VN059389.D (-2188) (-)

Ion 61.00 (60.70 to 61.70): VN059389.D (-2188) (-)

Ion 87.00 (86.70 to 87.70): VN059389.D (-2188) (-)



#45

1,2-Dichloropropane

Concen: 0.361 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.14 min

Lab File: VN059389.D

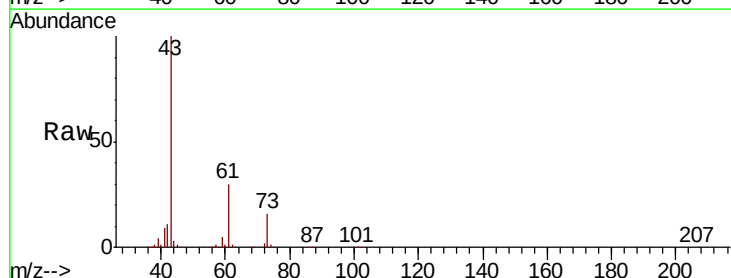
Acq: 25 Nov 2019 17:38

Tgt Ion: 63 Resp: 1640

Ion Ratio Lower Upper

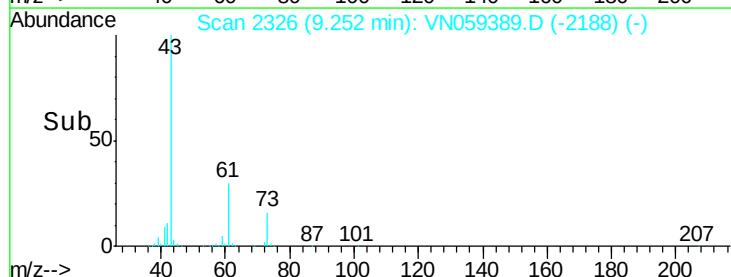
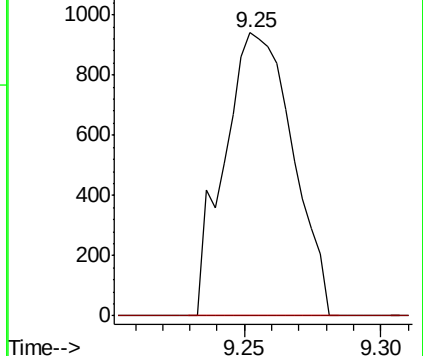
63 100

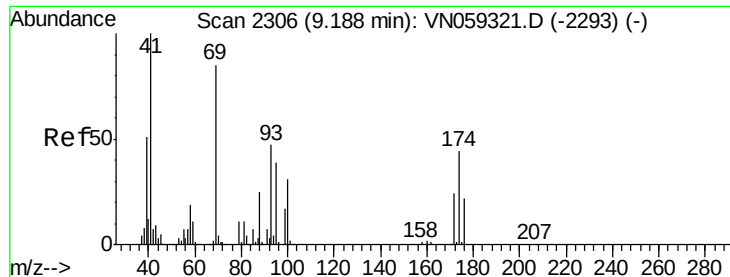
65 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VN059389.D (-2188) (-)

Ion 64.90 (64.60 to 65.60): VN059389.D (-2188) (-)

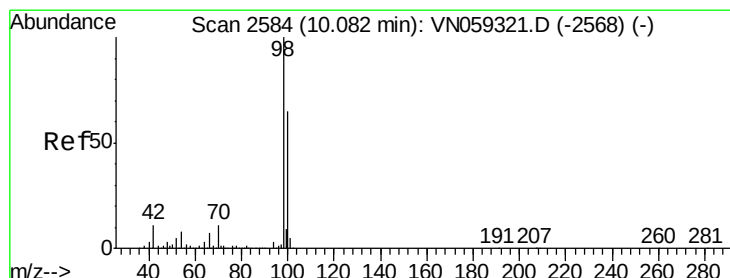
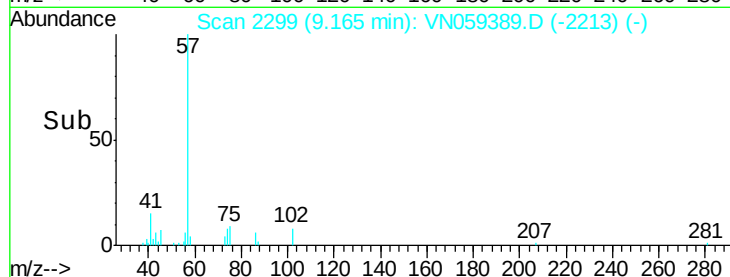
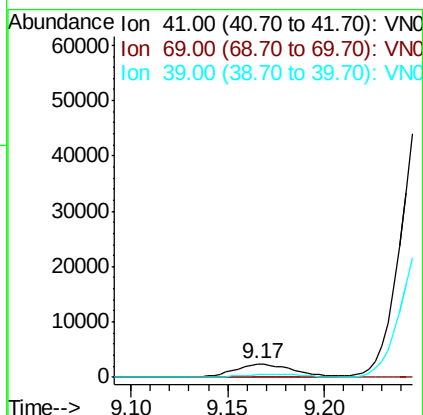
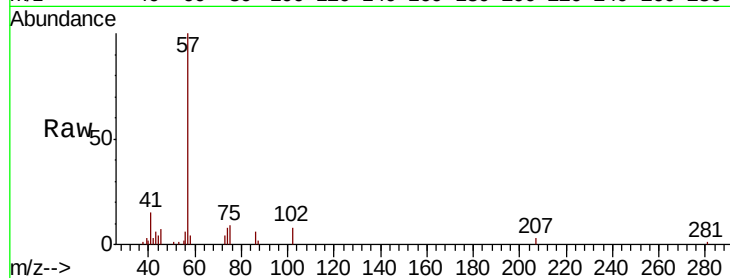




#48
Methvl methacrylate
Concen: 1.188 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN059389.D
Acq: 25 Nov 2019 17:38

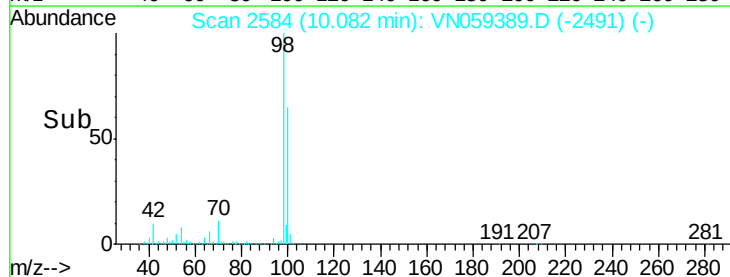
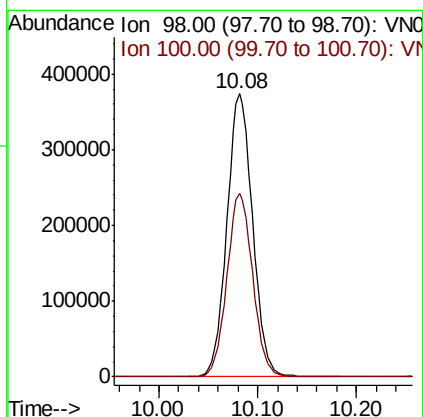
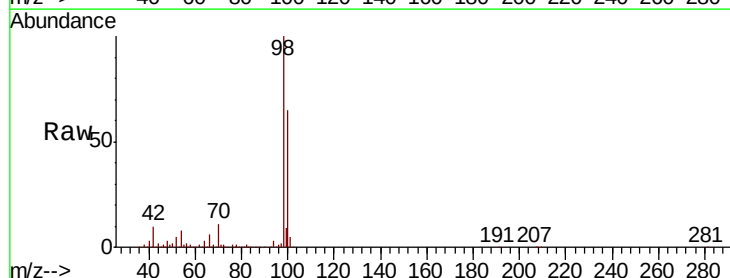
Instrument :
MSVOA_N
ClientSampleId :

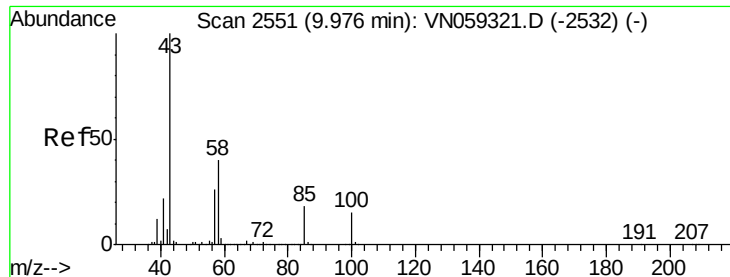
Tot Ion: 41 Resp: 5149
Ion Ratio Lower Upper
41 100
69 0.0 68.8 103.2#
39 0.0 42.1 63.1#



#50
Toluene-d8
Concen: 51.010 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059389.D
Acq: 25 Nov 2019 17:38

Tgt Ion: 98 Resp: 683788
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5

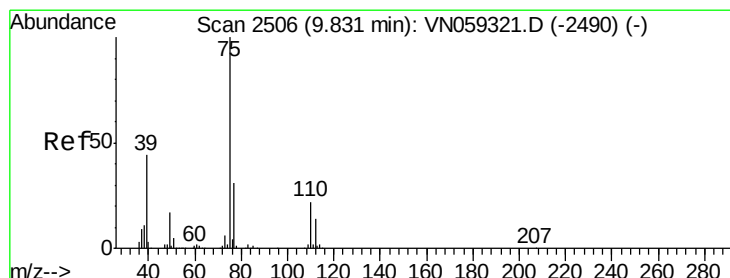
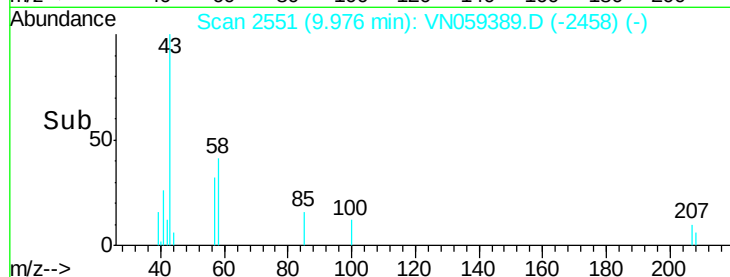
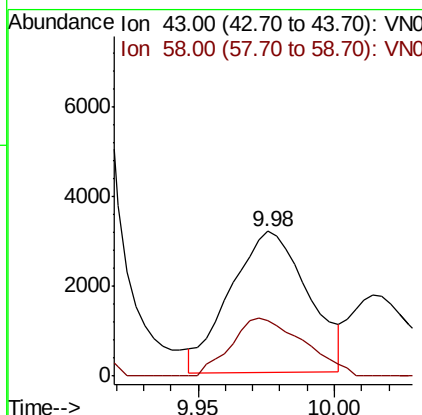
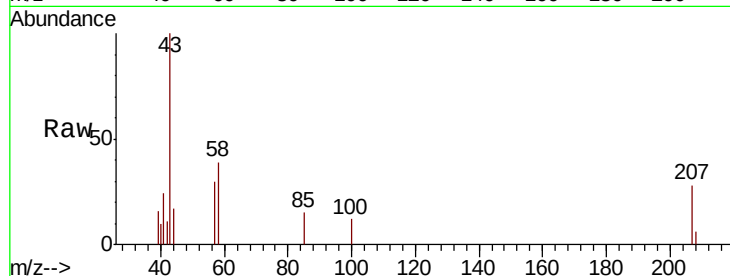




#51
 4-Methyl-2-Pentanone
 Concen: 1.127 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VN059389.D
 Acq: 25 Nov 2019 17:38

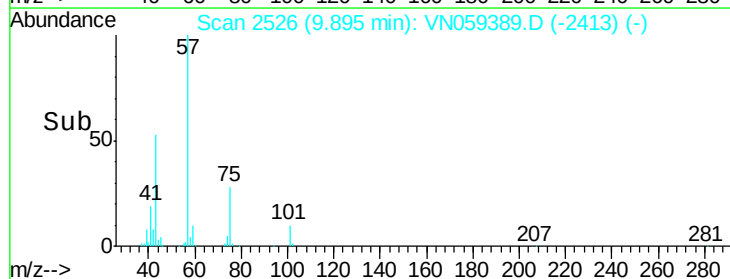
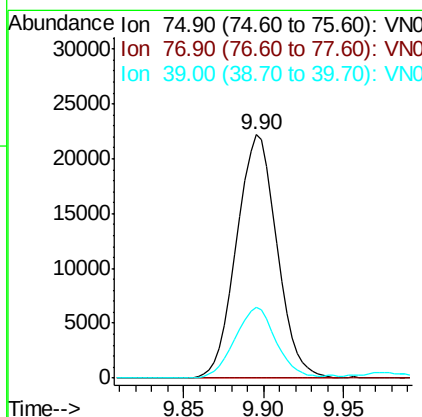
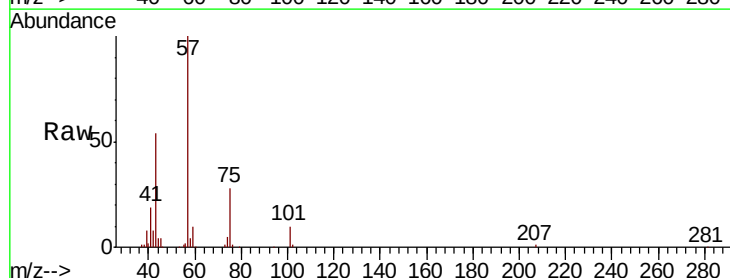
Instrument :
 MSVOA_N
 ClientSampled :

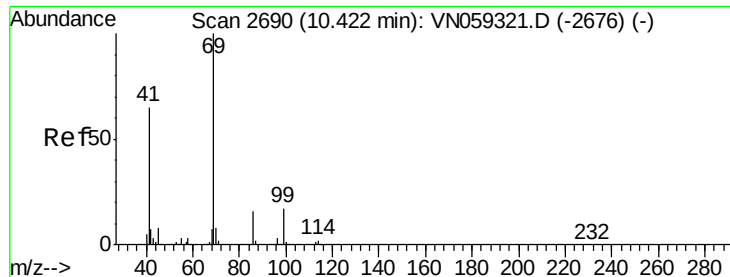
Tot Ion: 43 Resp: 6285
 Ion Ratio Lower Upper
 43 100
 58 38.2 31.8 47.8



#54
 cis-1,3-Dichloropropene
 Concen: 5.434 ug/l
 RT: 9.90 min Scan# 2526
 Delta R.T. 0.06 min
 Lab File: VN059389.D
 Acq: 25 Nov 2019 17:38

Tgt Ion: 75 Resp: 38239
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 29.2 35.5 53.3#





#56

Ethyl methacrylate

Concen: 2.363 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. 0.11 min

Lab File: VN059389.D

Acq: 25 Nov 2019 17:38

Instrument :

MSVOA_N

ClientSampled :

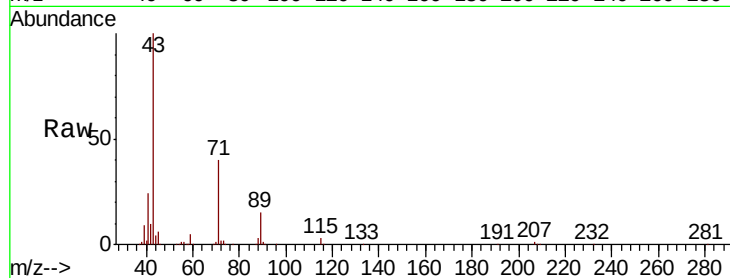
Tot Ion: 69 Resp: 1195

Ion Ratio Lower Upper

69 100

41 5615.3 51.7 77.5#

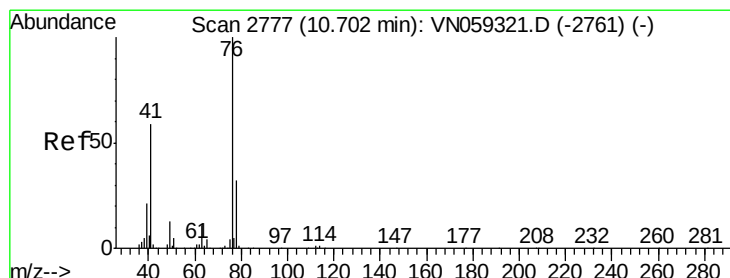
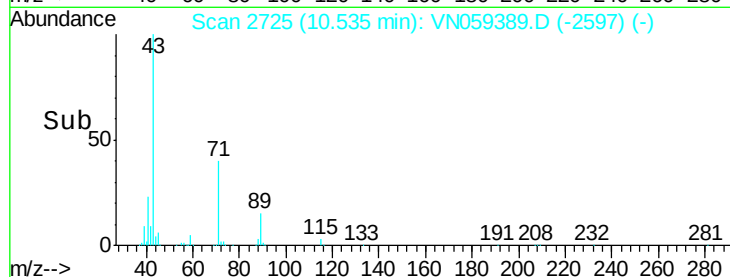
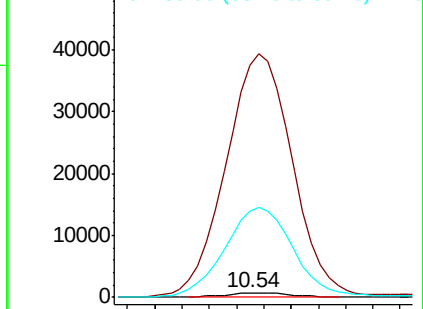
39 2145.6 25.2 37.8#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.872 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN059389.D

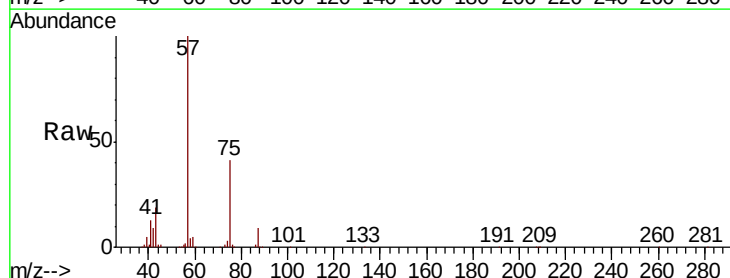
Acq: 25 Nov 2019 17:38

Tgt Ion: 76 Resp: 6048

Ion Ratio Lower Upper

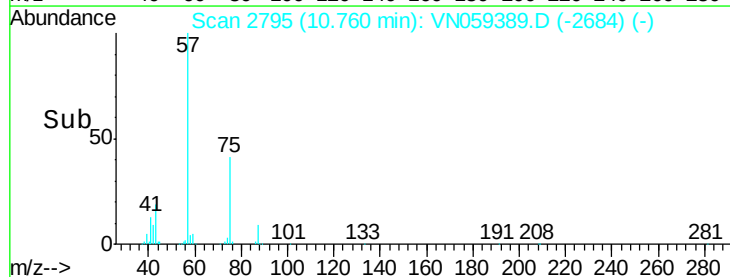
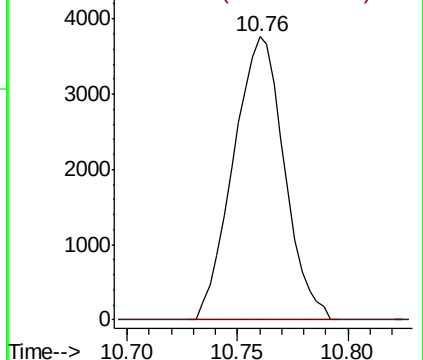
76 100

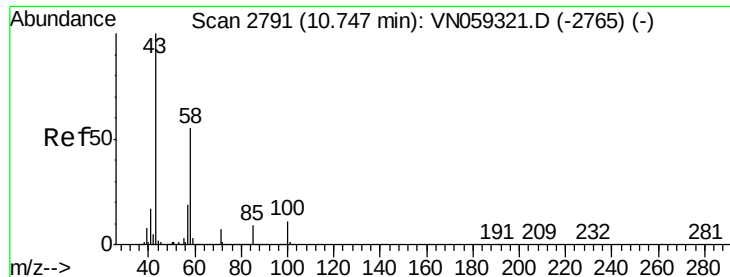
78 0.0 26.0 39.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

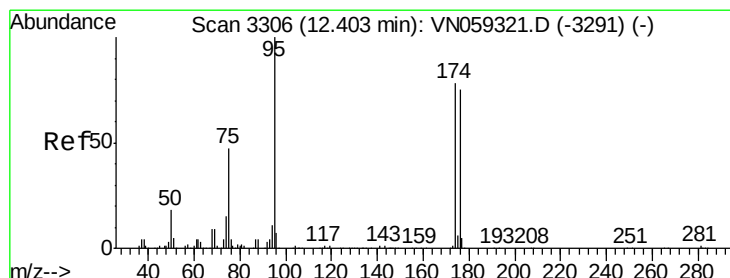
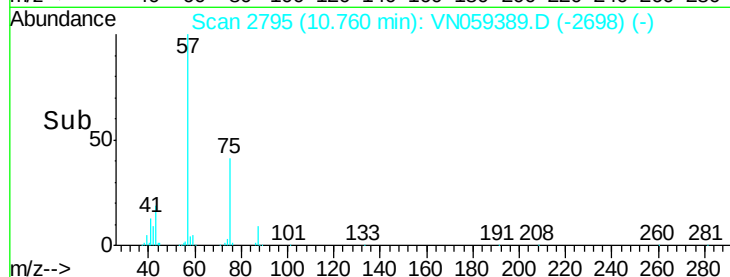
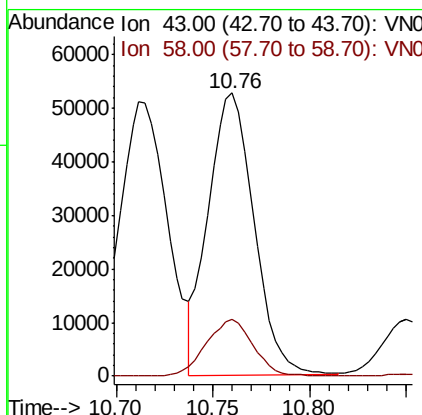
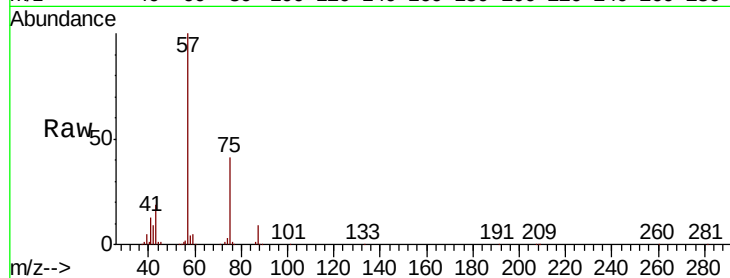




#59
2-Hexanone
Concen: 21.255 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN059389.D
Acq: 25 Nov 2019 17:38

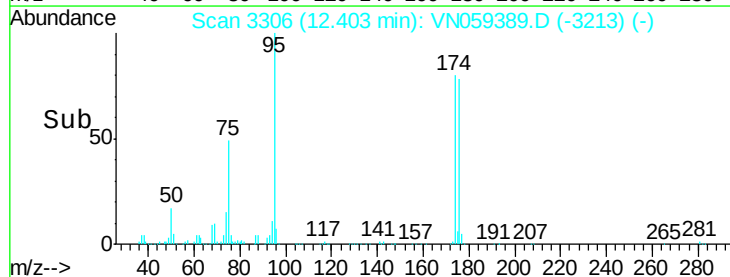
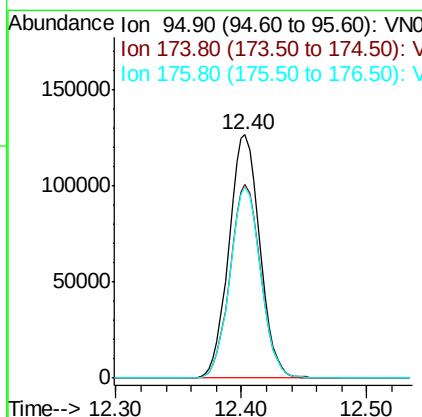
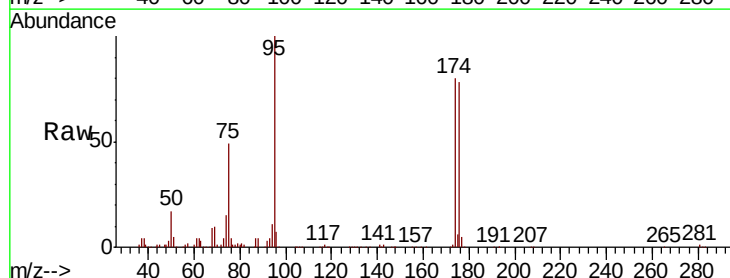
Instrument :
MSVOA_N
ClientSampled :

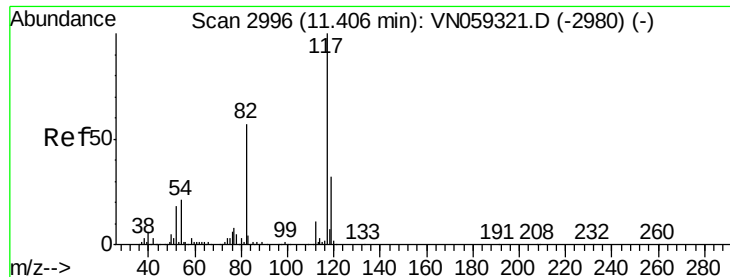
Tot Ion: 43 Resp: 86818
Ion Ratio Lower Upper
43 100
58 20.6 27.7 83.0#



#62
4-Bromofluorobenzene
Concen: 46.334 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059389.D
Acq: 25 Nov 2019 17:38

Tgt Ion: 95 Resp: 217175
Ion Ratio Lower Upper
95 100
174 78.9 0.0 157.4
176 77.8 0.0 151.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059389.D

Acq: 25 Nov 2019 17:38

Instrument :

MSVOA_N

ClientSampleId :

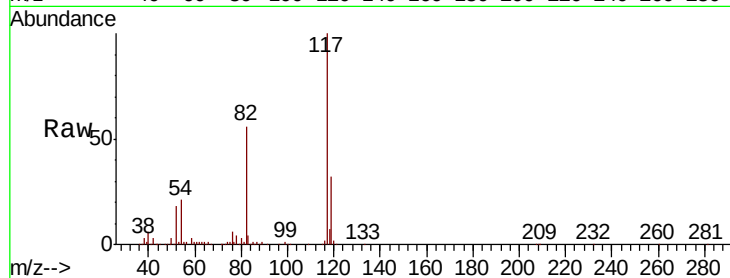
Tot Ion:117 Resp: 487950

Ion Ratio Lower Upper

117 100

82 56.1 45.7 68.5

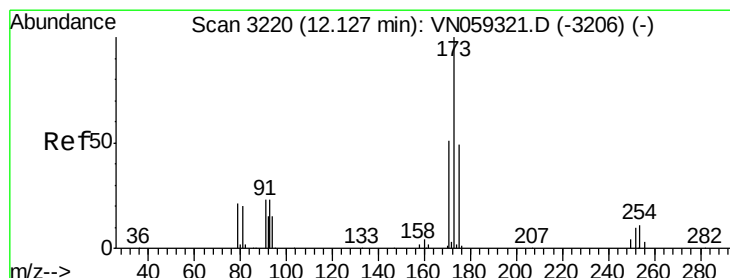
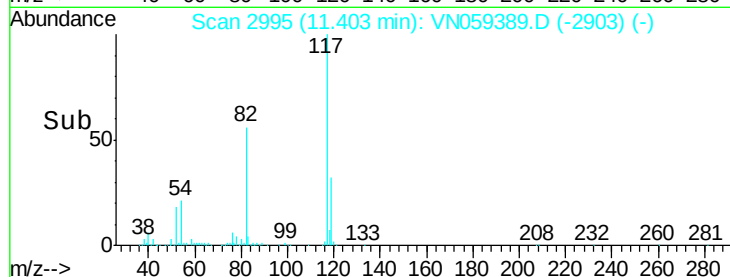
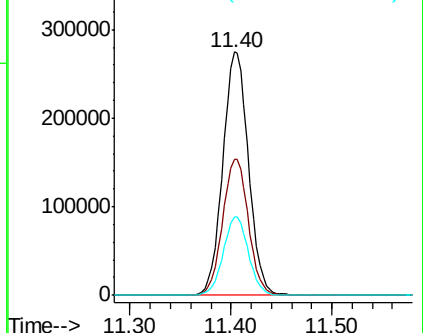
119 32.3 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.413 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN059389.D

Acq: 25 Nov 2019 17:38

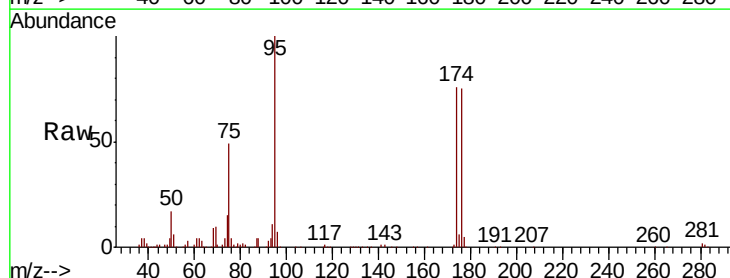
Tgt Ion:173 Resp: 1192

Ion Ratio Lower Upper

173 100

175 876.1 24.6 73.6#

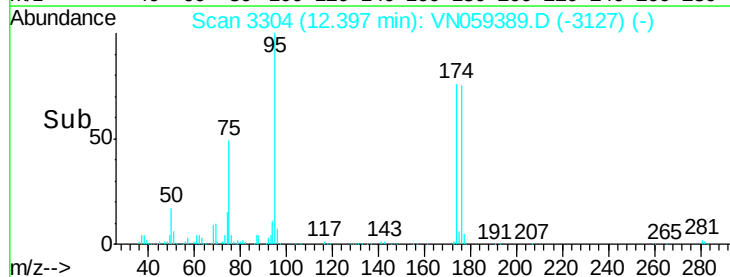
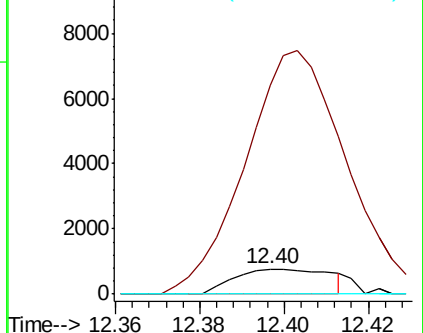
254 0.0 0.1 0.1#

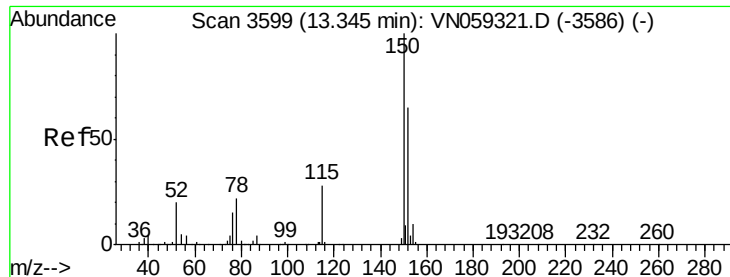


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059389.D

Acq: 25 Nov 2019 17:38

Instrument :

MSVOA_N

ClientSampleId :

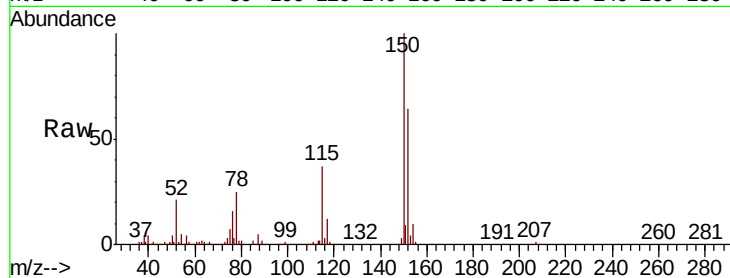
Tot Ion:152 Resp: 182922

Ion Ratio Lower Upper

152 100

115 58.3 29.3 88.0

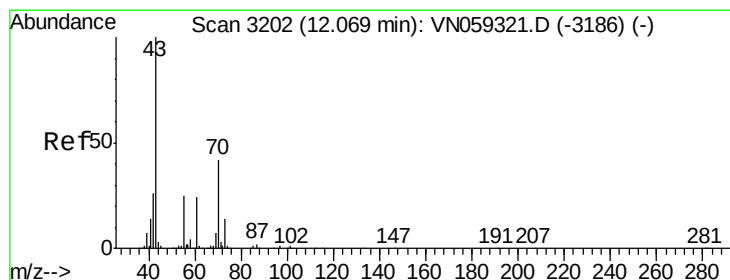
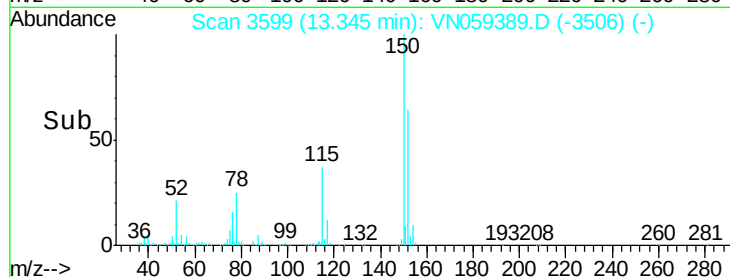
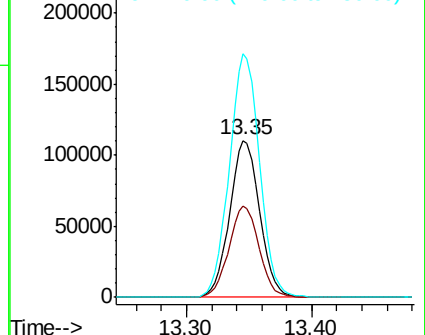
150 156.2 0.0 346.0



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



#74

N-ethyl acetate

Concen: 0.577 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN059389.D

Acq: 25 Nov 2019 17:38

Tgt Ion: 43 Resp: 3475

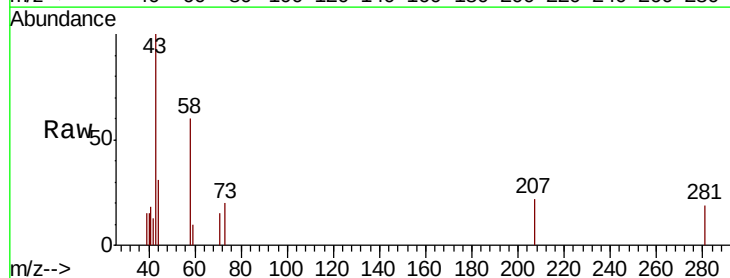
Ion Ratio Lower Upper

43 100

70 0.0 33.8 50.6#

55 3.7 20.3 30.5#

61 0.0 19.9 29.9#

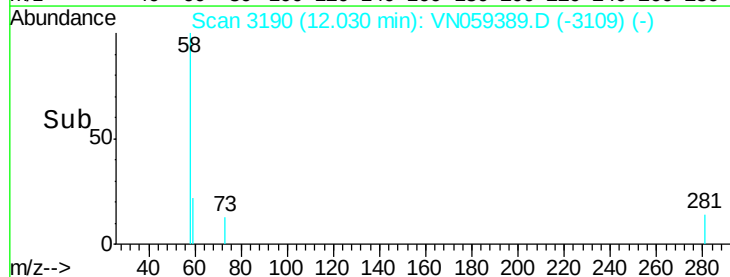
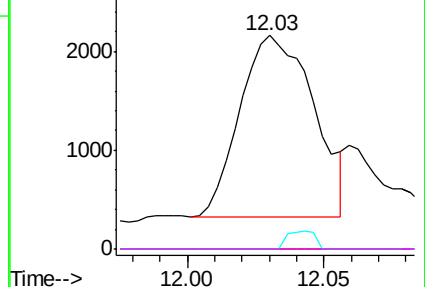


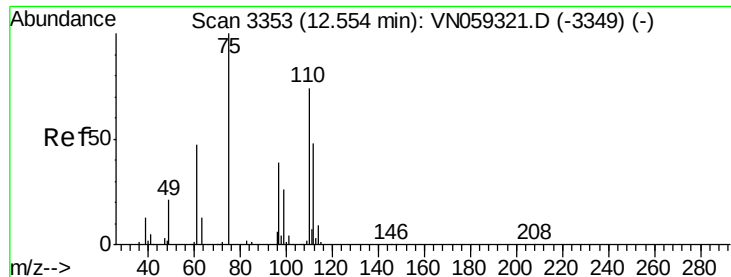
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 24.658 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059389.D

Acq: 25 Nov 2019 17:38

Instrument :

MSVOA_N

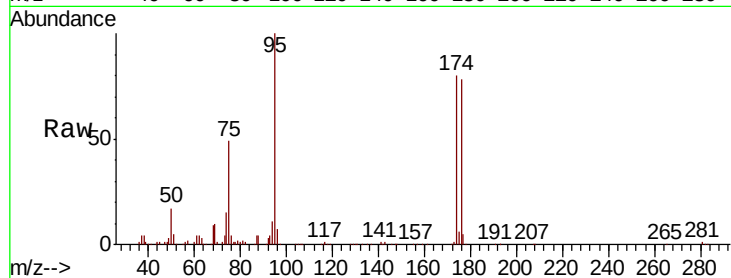
ClientSampleId :

Tot Ion: 75 Resp: 104202

Ion Ratio Lower Upper

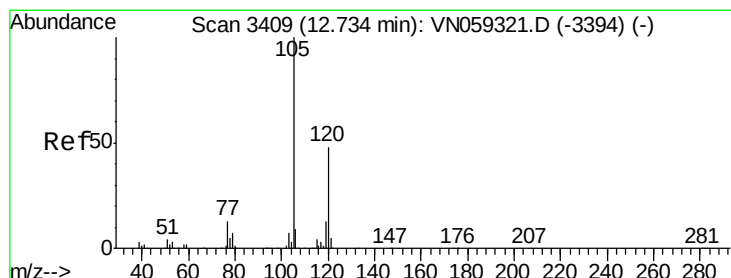
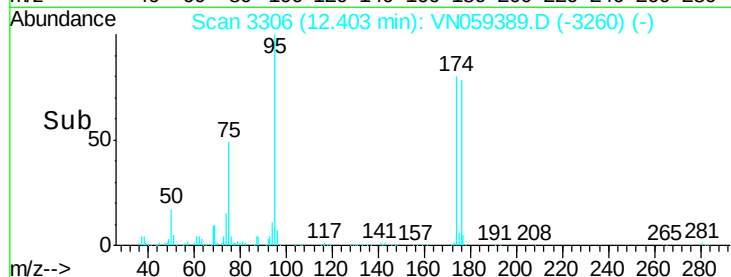
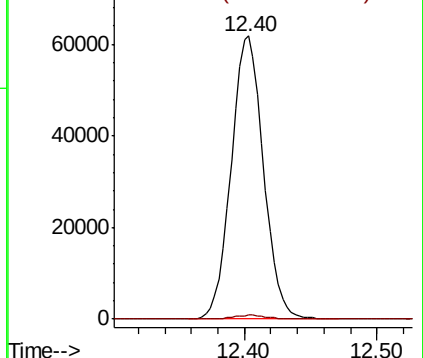
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#80

1,3,5-Trimethylbenzene

Concen: 0.352 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN059389.D

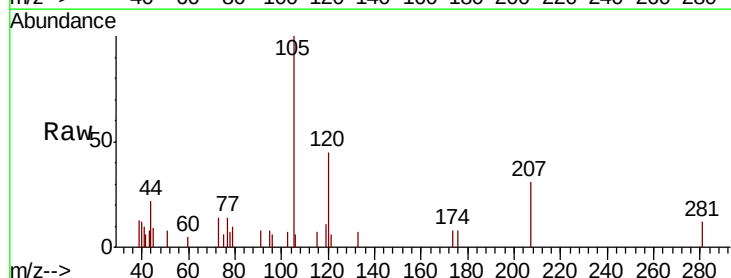
Acq: 25 Nov 2019 17:38

Tgt Ion:105 Resp: 4430

Ion Ratio Lower Upper

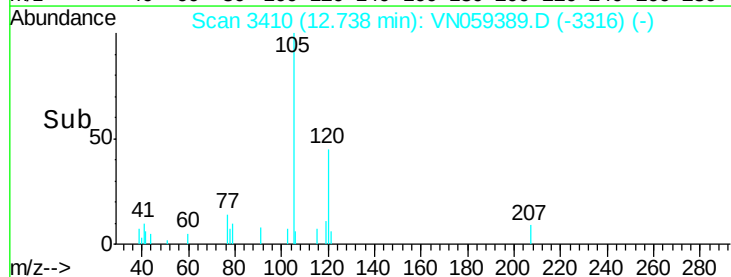
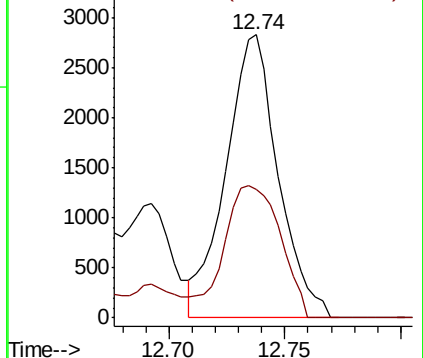
105 100

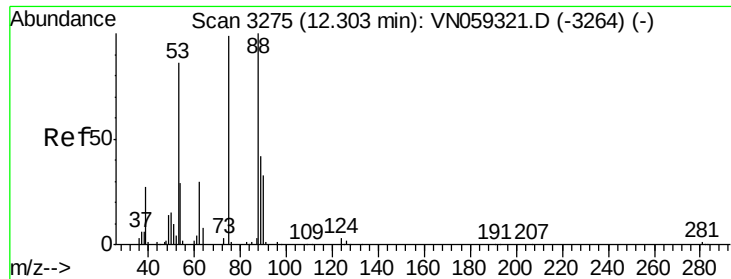
120 49.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 61.673 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059389.D

Acq: 25 Nov 2019 17:38

Instrument :

MSVOA_N

ClientSampleId :

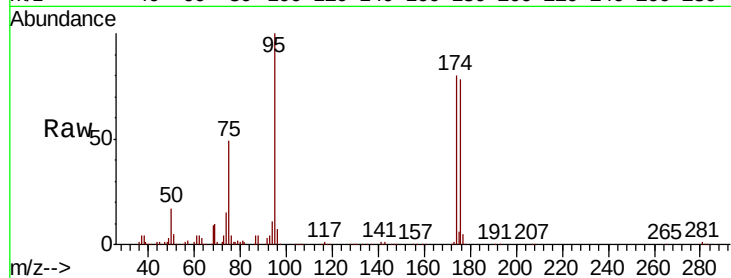
Tot Ion: 75 Resp: 104202

Ion Ratio Lower Upper

75 100

53 0.0 70.7 106.1#

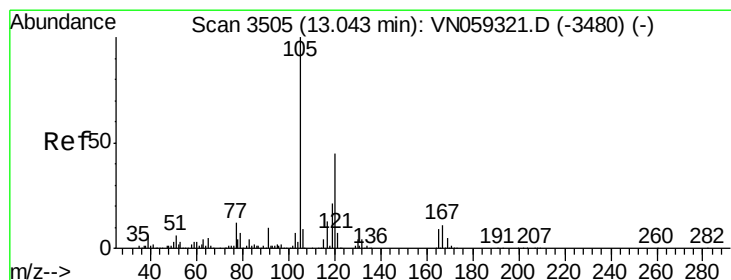
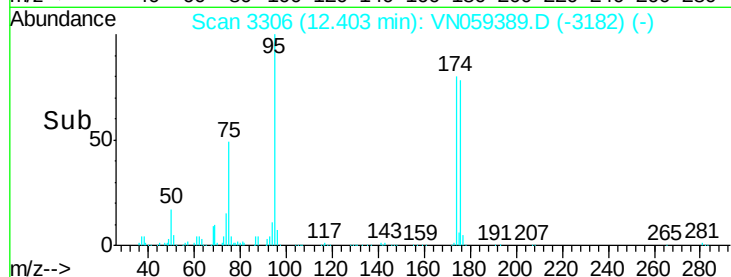
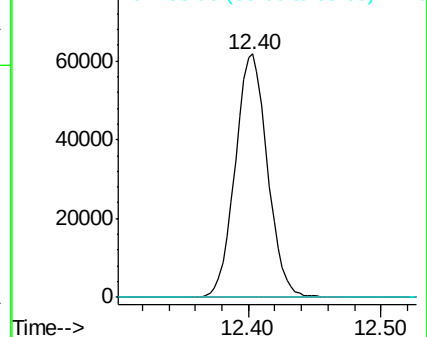
89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN059389.D (-3306) (-)

Ion 53.00 (52.70 to 53.70): VN059389.D (-3306) (-)

Ion 88.90 (88.60 to 89.60): VN059389.D (-3306) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.510 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059389.D

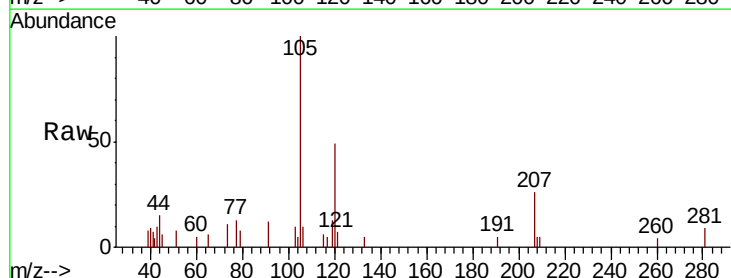
Acq: 25 Nov 2019 17:38

Tgt Ion: 105 Resp: 6298

Ion Ratio Lower Upper

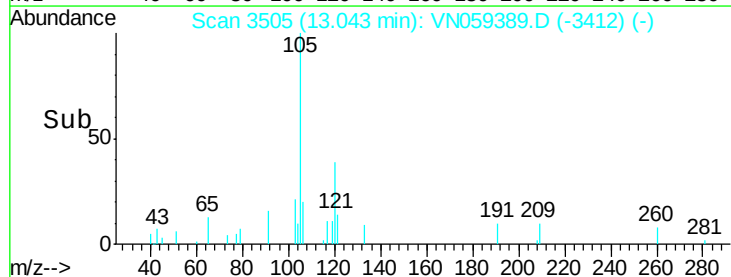
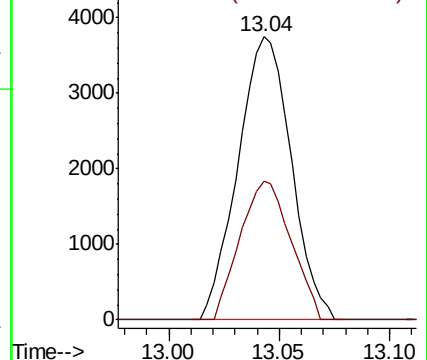
105 100

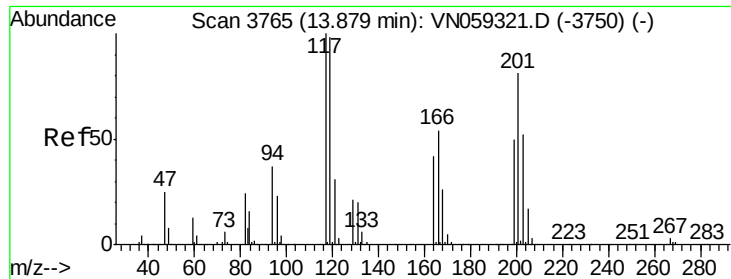
120 46.7 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): VN059389.D (-3505) (-)

Ion 120.00 (119.70 to 120.70): VN059389.D (-3505) (-)





#90

Hexachloroethane

Concen: 0.236 ug/l

RT: 13.89 min Scan# 3769

Delta R.T. 0.01 min

Lab File: VN059389.D

Acq: 25 Nov 2019 17:38

Instrument :

MSVOA_N

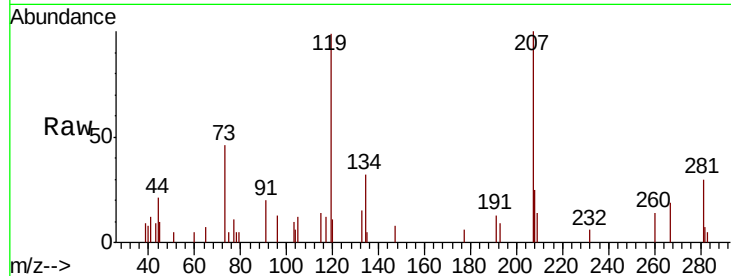
ClientSampled :

Tot Ion:117 Resp: 568

Ion Ratio Lower Upper

117 100

201 0.0 40.4 121.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.89

400

300

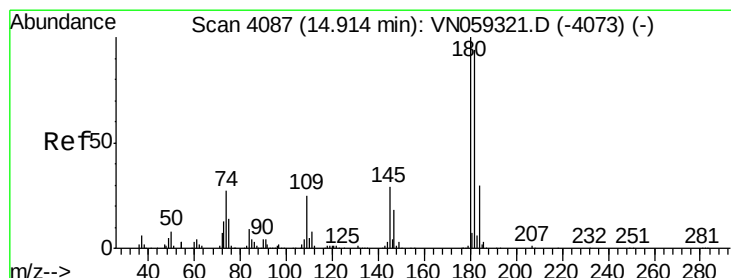
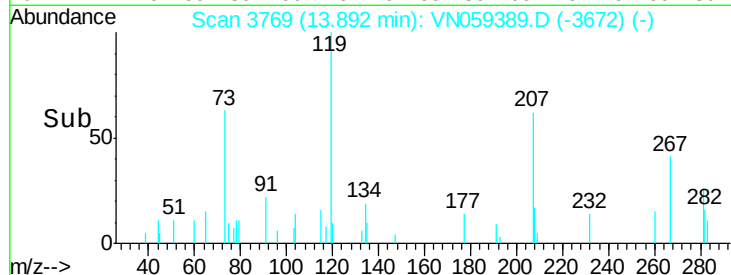
200

100

0

Time-->

13.86 13.88 13.90 13.92



#93

1,2,4-Trichlorobenzene

Concen: 3.080 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN059389.D

Acq: 25 Nov 2019 17:38

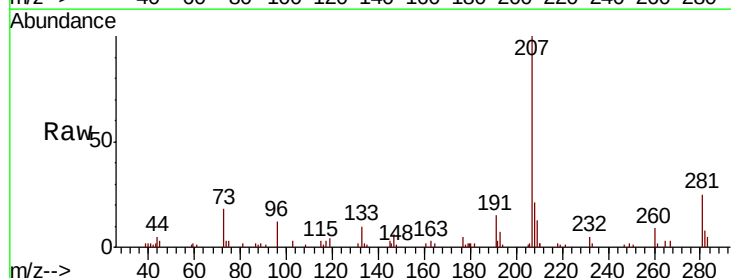
Tgt Ion:180 Resp: 586

Ion Ratio Lower Upper

180 100

182 53.2 47.2 141.6

145 196.8 14.9 44.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

800

600

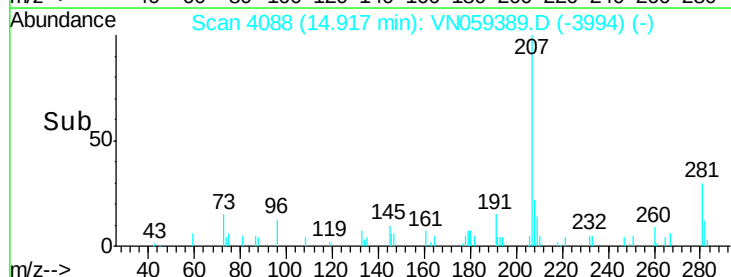
400

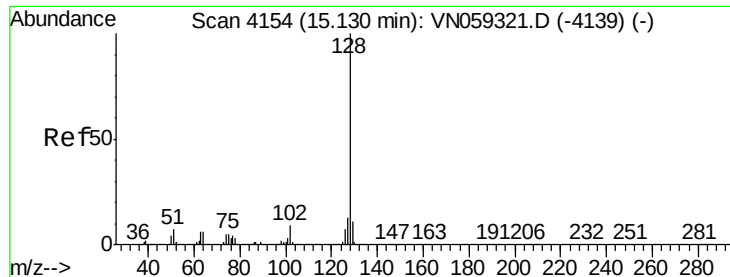
200

0

Time-->

14.90 14.92 14.94 14.96





#95

Naphthalene

Concen: 4.183 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059389.D

Acq: 25 Nov 2019 17:38

Instrument :

MSVOA_N

ClientSampleId :

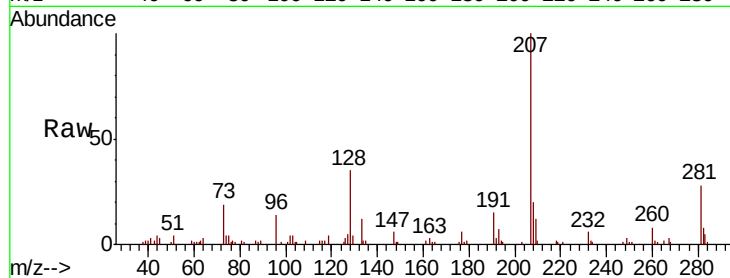
Tot Ion:128 Resp: 11686

Ion Ratio Lower Upper

128 100

127 13.8 10.2 15.2

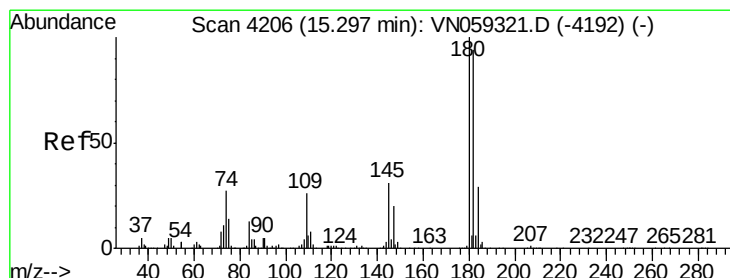
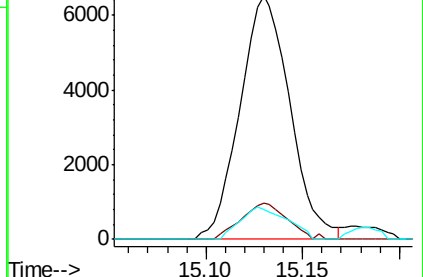
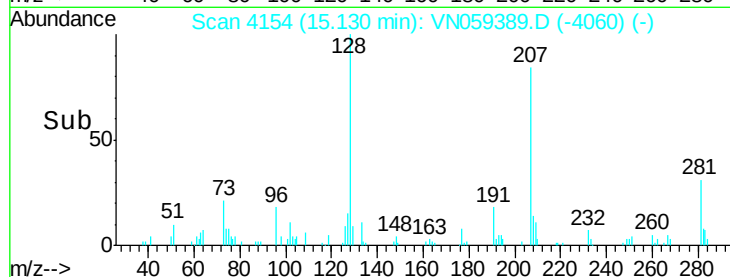
129 12.3 8.6 13.0



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: 2.102 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN059389.D

Acq: 25 Nov 2019 17:38

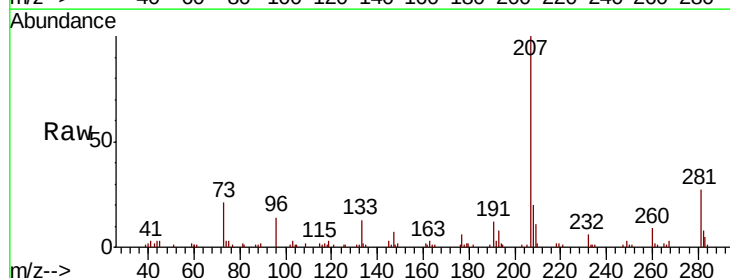
Tgt Ion:180 Resp: 798

Ion Ratio Lower Upper

180 100

182 63.0 47.1 141.4

145 20.1 15.6 46.8



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

