

Data File : VN059944.D
Acq On : 31 Jan 2020 13:48
Operator : JC/MD
Sample : L1325-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
346

Quant Time: Feb 03 01:20:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	197924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	300642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	272577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	118415	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	108834	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
35) Dibromofluoromethane	7.57	113	91141	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	10.08	98	359157	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.40	95	122985	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	

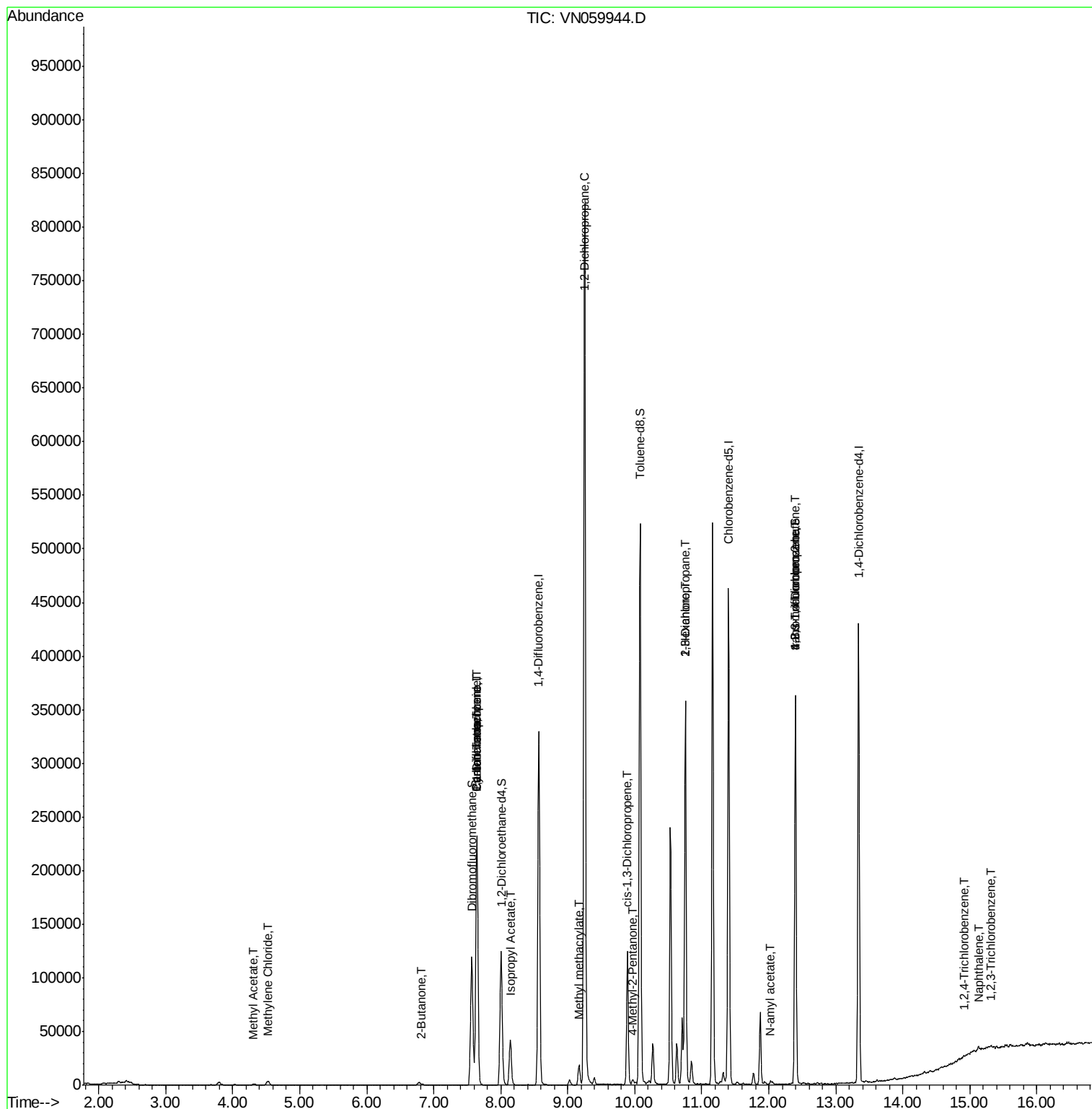
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	5253	Below Cal		91
18) Methyl Acetate	4.31	43	1659	0.646	ug/l #	62
20) Methylene Chloride	4.52	84	3206	0.327	ug/l #	83
25) 2-Butanone	6.82	43	1380	1.109	ug/l #	50
31) Cyclohexane	7.64	56	3834	1.179	ug/l #	4
36) 1,1-Dichloropropene	7.64	75	13817	5.277	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18033	6.332	ug/l #	16
43) Isopropyl Acetate	8.14	43	49948	11.826	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	949	0.491	ug/l #	44
48) Methyl methacrylate	9.16	41	2769	1.466	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3209	1.314	ug/l	96
54) cis-1,3-Dichloropropene	9.89	75	23318	7.226	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	3830	1.235	ug/l #	42
59) 2-Hexanone	10.75	43	51843	28.822	ug/l #	56
74) N-amyl acetate	12.02	43	2846	0.845	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	62236	31.230	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	62236	67.067	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.27	75	160	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.90	180	644	0.284	ug/l	90
95) Naphthalene	15.13	128	2945	0.456	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.32	180	855	0.387	ug/l	87

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

Data File : VN059944.D
Acq On : 31 Jan 2020 13:48
Operator : JC/MD
Sample : L1325-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
346

Quant Time: Feb 03 01:20:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059944.D

Acq: 31 Jan 2020 13:48

Instrument :

MSVOA_N

ClientSampled :

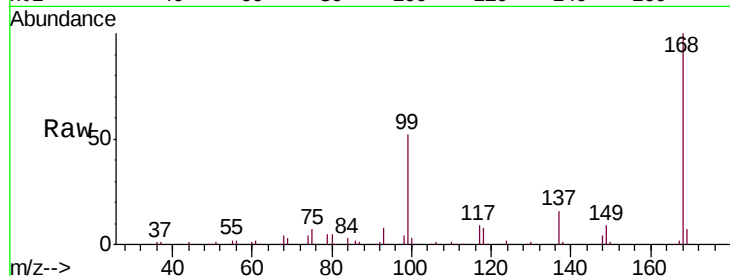
346

Tgt Ion:168 Resp: 197924

Ion Ratio Lower Upper

168 100

99 52.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.64

80000

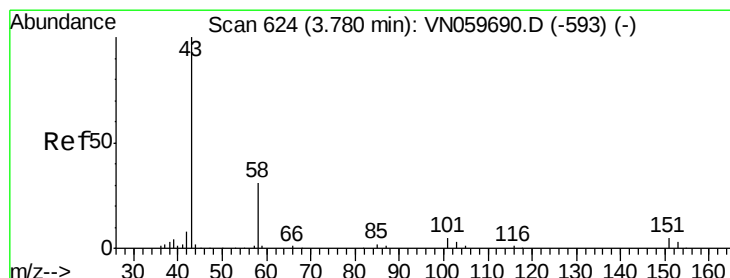
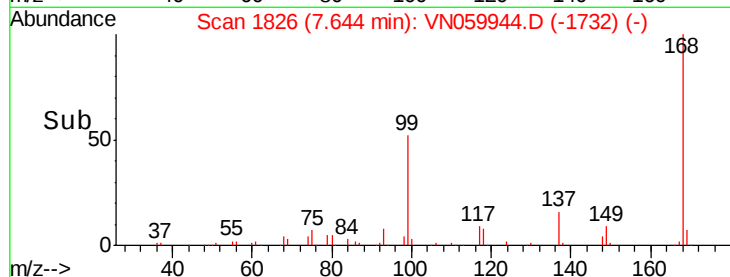
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059944.D

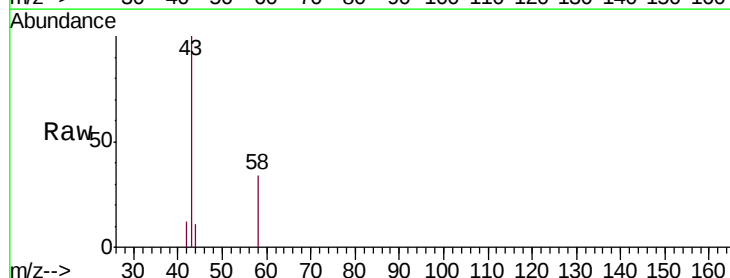
Acq: 31 Jan 2020 13:48

Tgt Ion: 43 Resp: 5253

Ion Ratio Lower Upper

43 100

58 34.2 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

3.79

2000

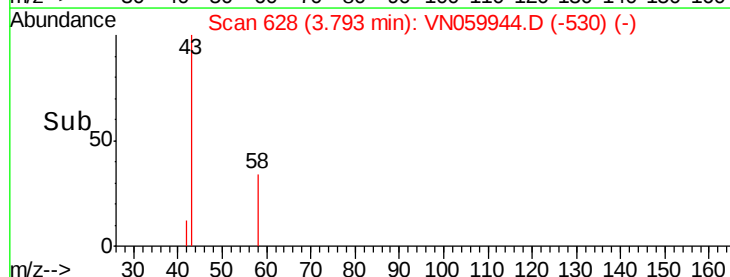
1500

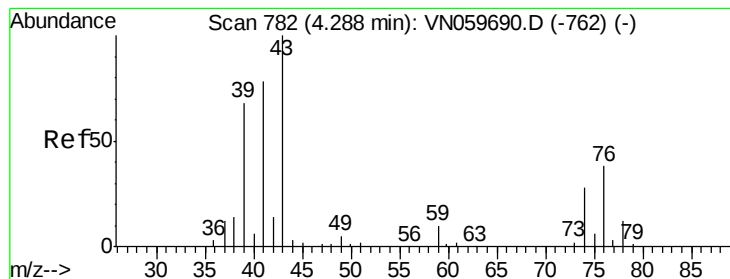
1000

500

0

Time--> 3.70 3.75 3.80 3.85 3.90





#18

Methyl Acetate

Concen: 0.646 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.02 min

Lab File: VN059944.D

Acq: 31 Jan 2020 13:48

Instrument :

MSVOA_N

ClientSampleId :

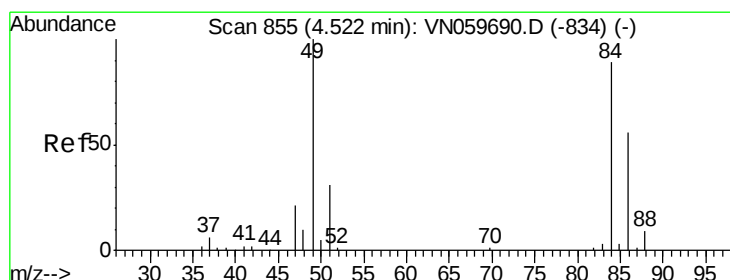
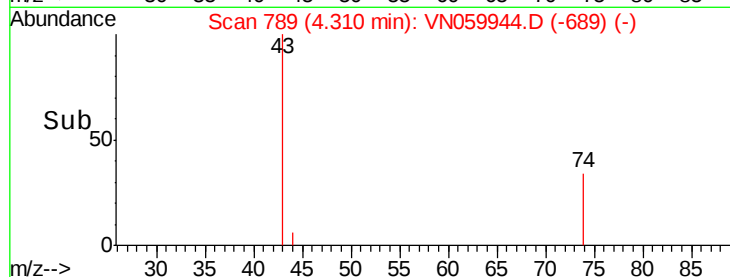
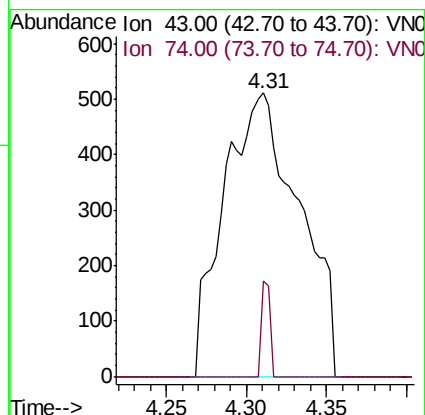
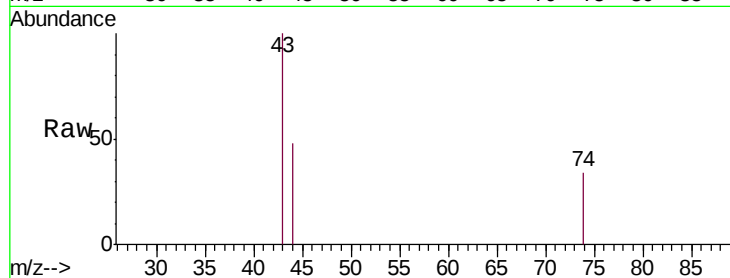
346

Tgt Ion: 43 Resp: 1659

Ion Ratio Lower Upper

43 100

74 3.9 17.5 26.3#



#20

Methylene Chloride

Concen: 0.327 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN059944.D

Acq: 31 Jan 2020 13:48

Tgt Ion: 84 Resp: 3206

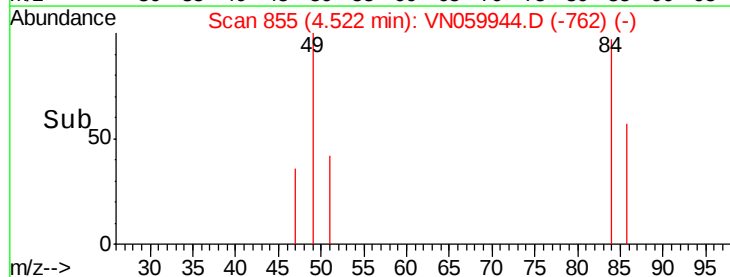
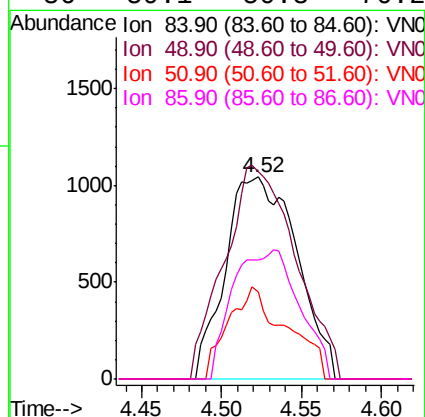
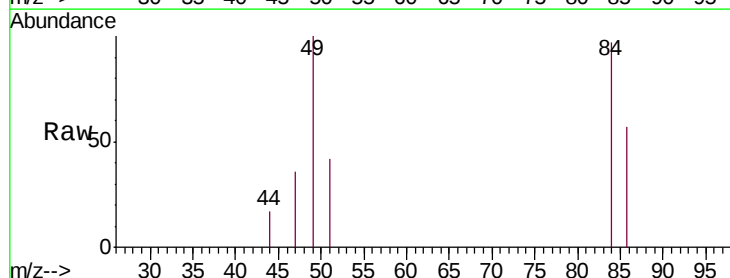
Ion Ratio Lower Upper

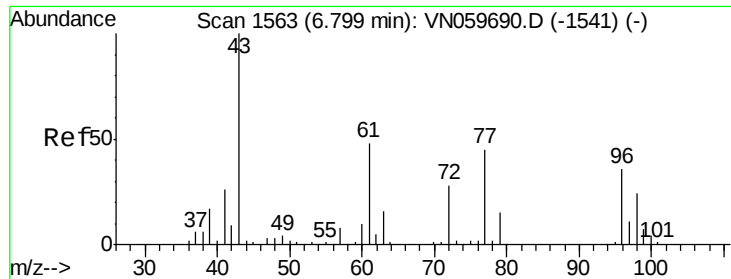
84 100

49 103.1 106.6 160.0#

51 43.0 31.9 47.9

86 59.1 50.8 76.2





#25

2-Butanone

Concen: 1.109 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.02 min

Lab File: VN059944.D

Acq: 31 Jan 2020 13:48

Instrument :

MSVOA_N

ClientSampleId :

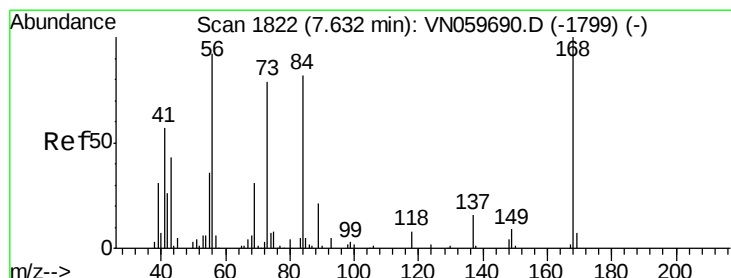
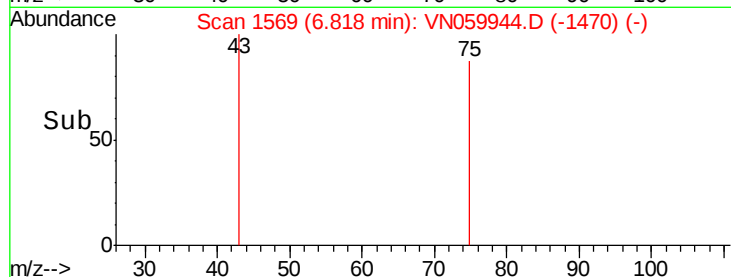
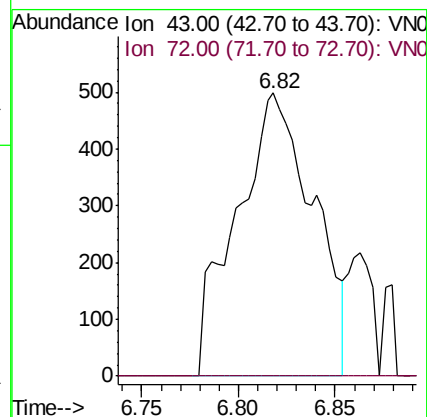
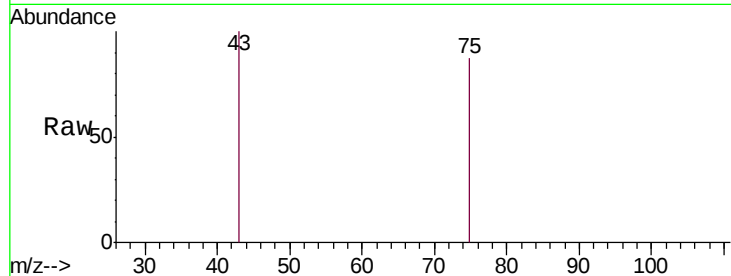
346

Tgt Ion: 43 Resp: 1380

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



#31

Cyclohexane

Concen: 1.179 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059944.D

Acq: 31 Jan 2020 13:48

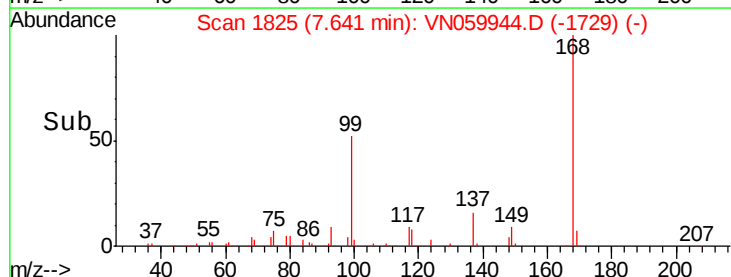
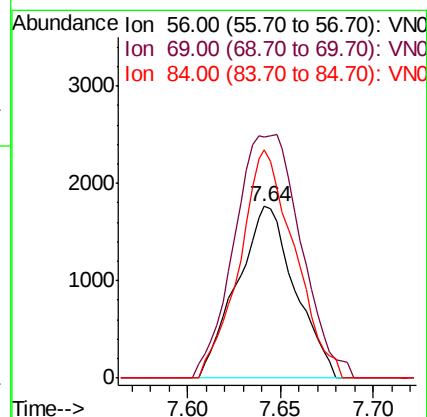
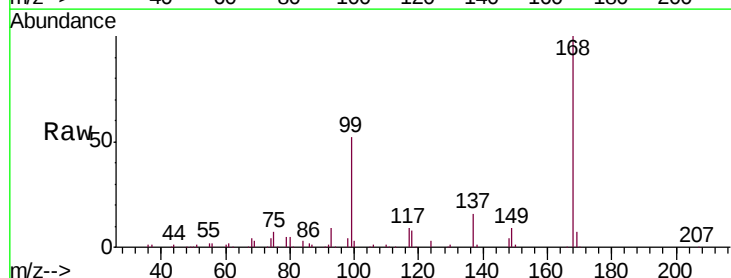
Tgt Ion: 56 Resp: 3834

Ion Ratio Lower Upper

56 100

69 140.3 26.5 39.7#

84 133.2 65.3 97.9#

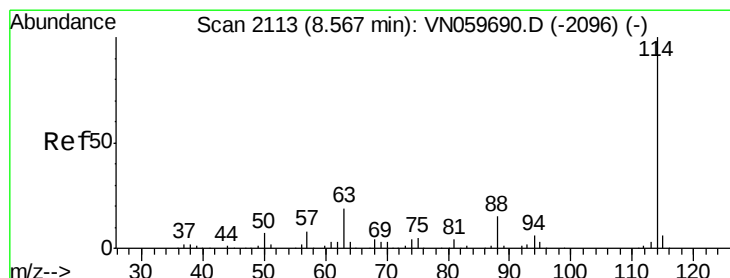
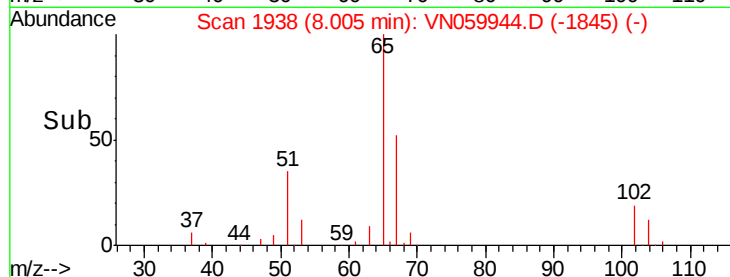
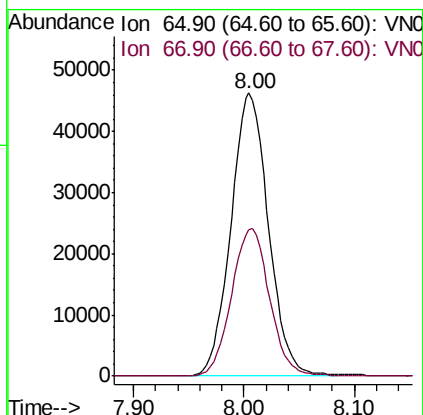
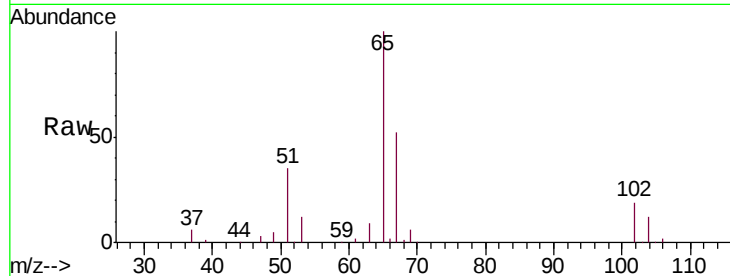




#33
 1,2-Dichloroethane-d4
 Concen: 49.515 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059944.D
 Acq: 31 Jan 2020 13:48

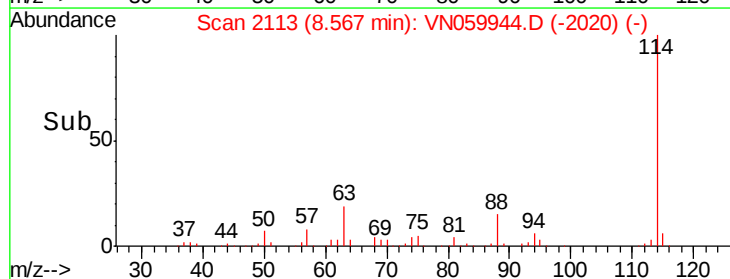
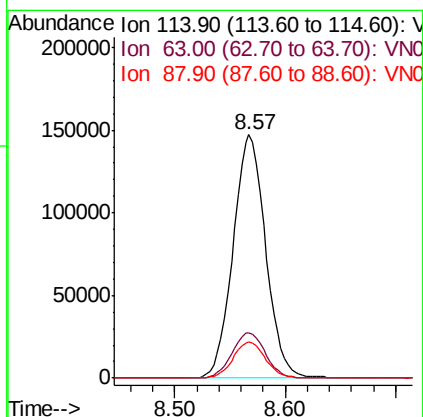
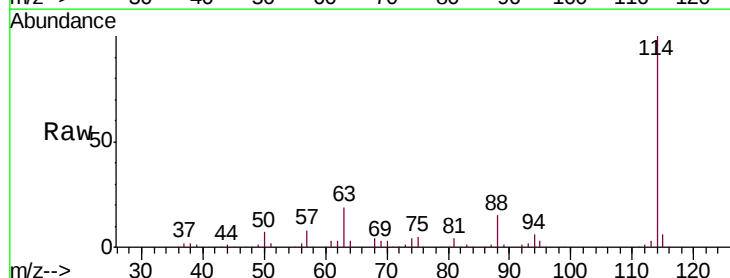
Instrument :
 MSVOA_N
 ClientSampled :
 346

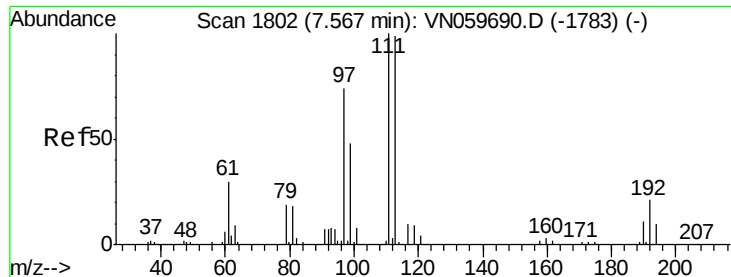
Tgt Ion: 65 Resp: 108834
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059944.D
 Acq: 31 Jan 2020 13:48

Tgt Ion: 114 Resp: 300642
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 43.6
 88 14.8 0.0 31.4

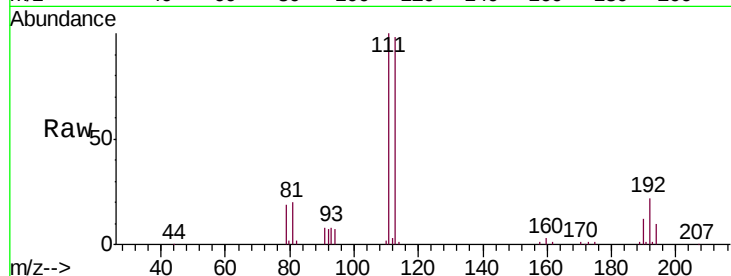




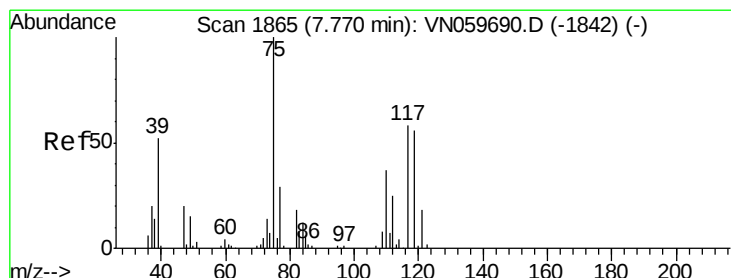
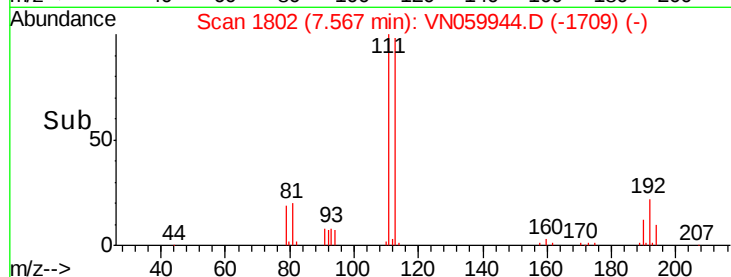
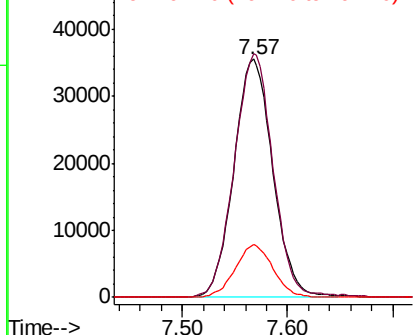
#35
 Dibromofluoromethane
 Concen: 50.836 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059944.D
 Acq: 31 Jan 2020 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 346

Tgt Ion: 113 Resp: 91141
 Ion Ratio Lower Upper
 113 100
 111 101.5 83.5 125.3
 192 21.4 15.4 23.2

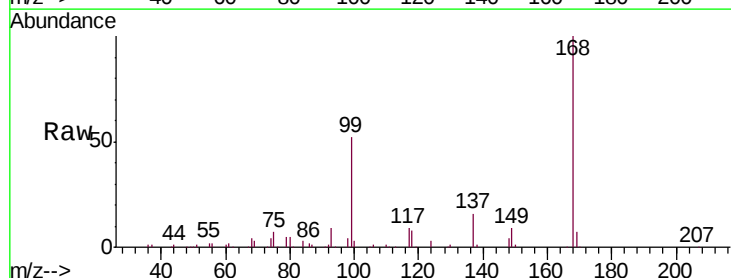


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

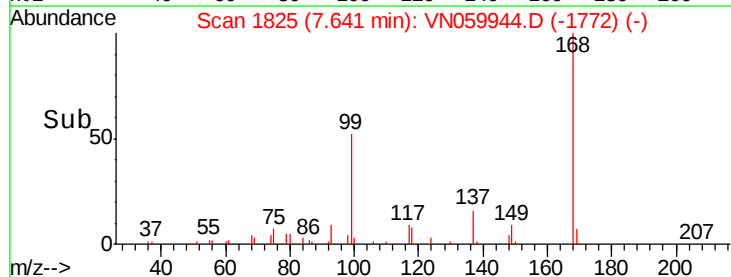
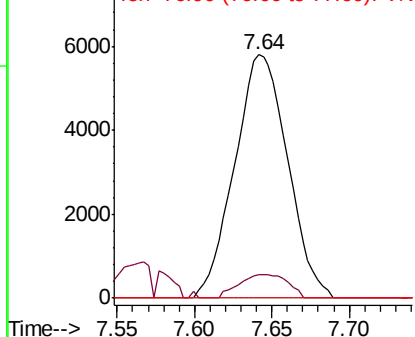


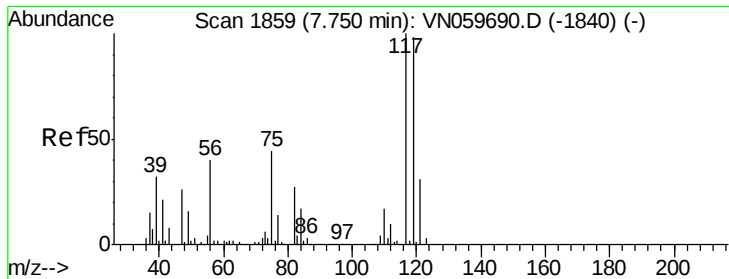
#36
 1,1-Dichloropropene
 Concen: 5.277 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059944.D
 Acq: 31 Jan 2020 13:48

Tgt Ion: 75 Resp: 13817
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.6 49.7#
 77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.332 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059944.D

Acq: 31 Jan 2020 13:48

Instrument :

MSVOA_N

ClientSampled :

346

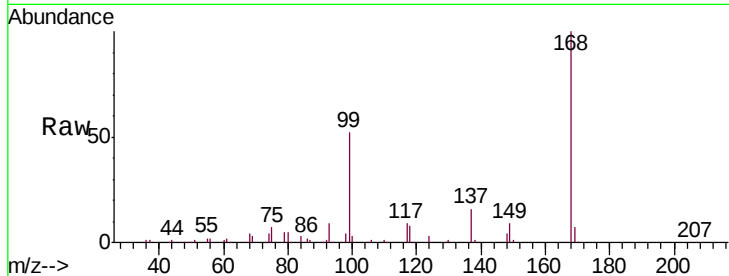
Tgt Ion:117 Resp: 18033

Ion Ratio Lower Upper

117 100

119 5.2 76.5 114.7#

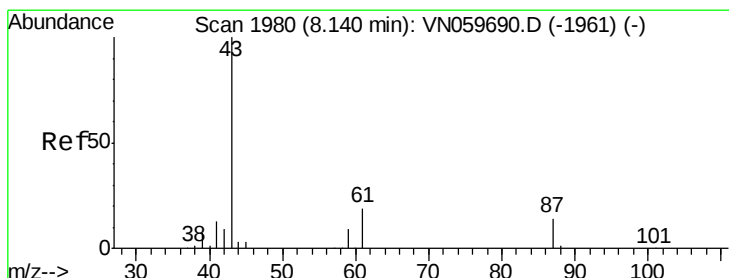
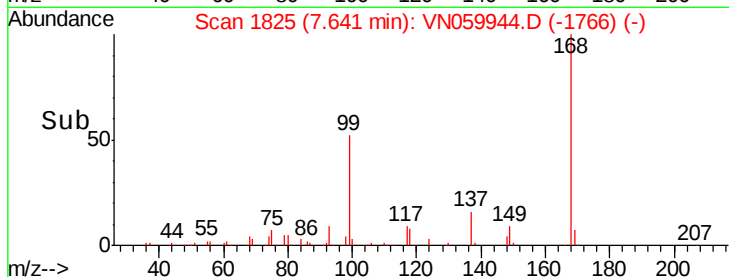
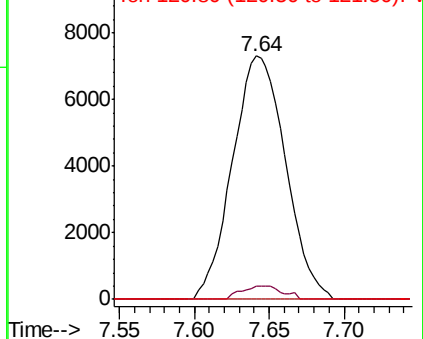
121 0.0 25.1 37.7#



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: 11.826 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059944.D

Acq: 31 Jan 2020 13:48

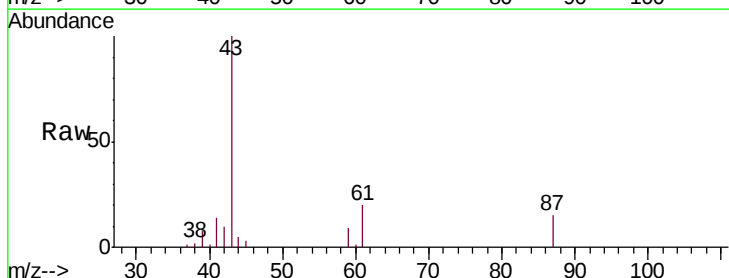
Tgt Ion: 43 Resp: 49948

Ion Ratio Lower Upper

43 100

61 19.4 20.2 30.2#

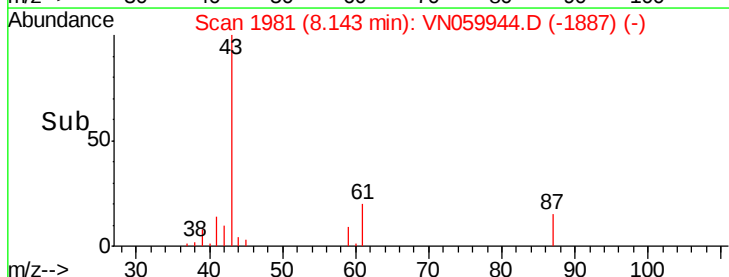
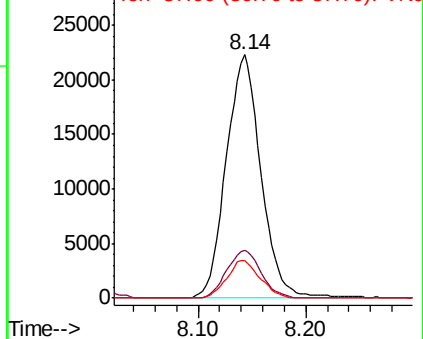
87 14.6 9.5 14.3#

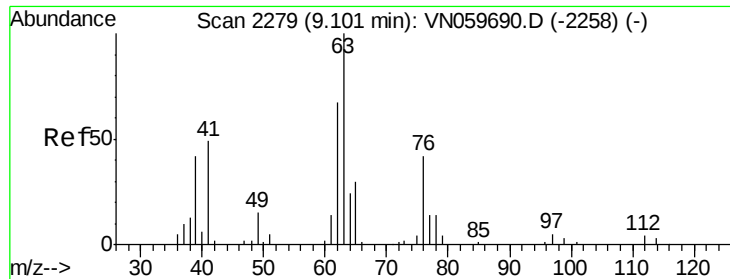


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

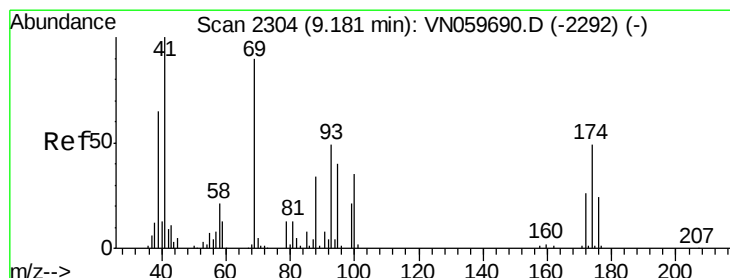
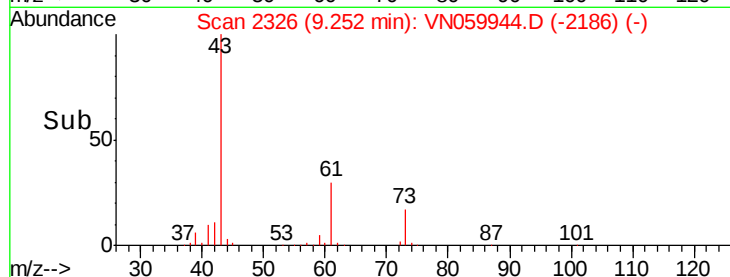
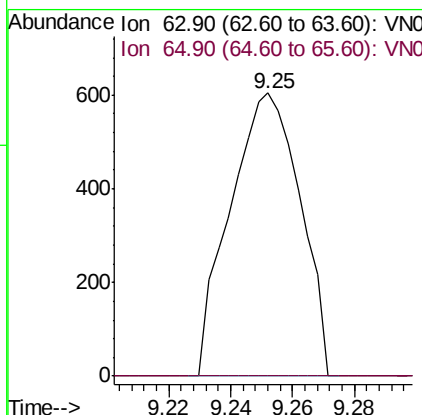
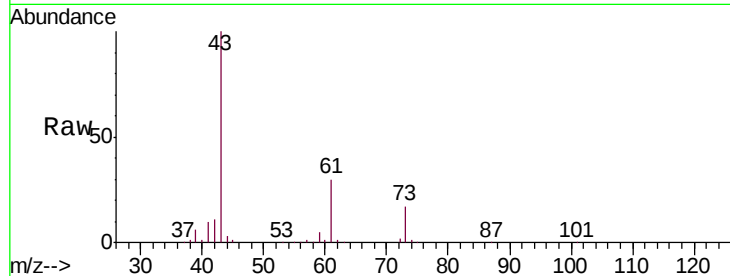




#45
 1,2-Dichloropropane
 Concen: 0.491 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.15 min
 Lab File: VN059944.D
 Acq: 31 Jan 2020 13:48

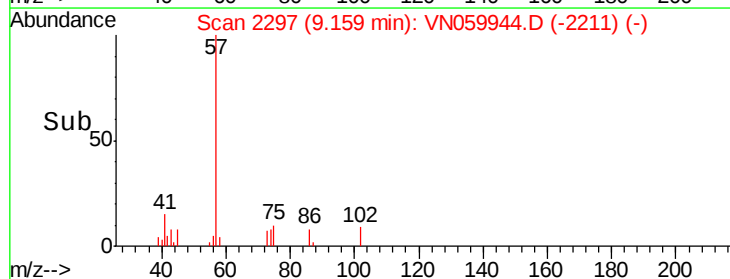
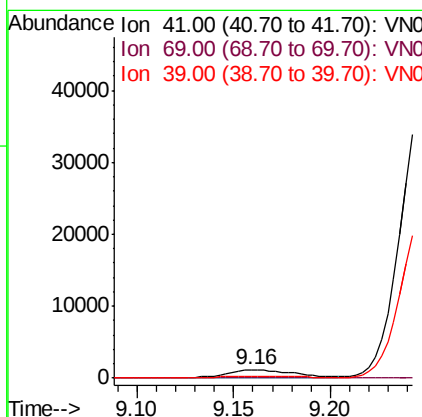
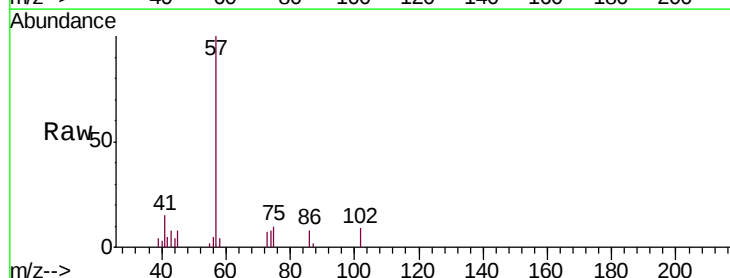
Instrument :
 MSVOA_N
 ClientSampleId :
 346

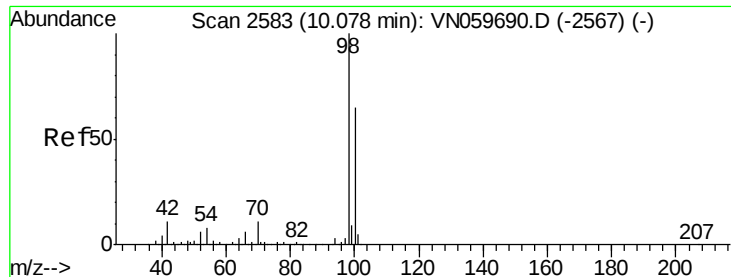
Tgt Ion: 63 Resp: 949
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.9 37.3#



#48
 Methyl methacrylate
 Concen: 1.466 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN059944.D
 Acq: 31 Jan 2020 13:48

Tgt Ion: 41 Resp: 2769
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 51.3 76.9#





#50

Toluene-d8

Concen: 51.704 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059944.D

Acq: 31 Jan 2020 13:48

Instrument :

MSVOA_N

ClientSampled :

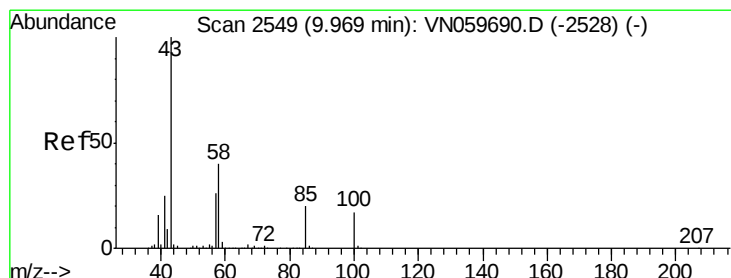
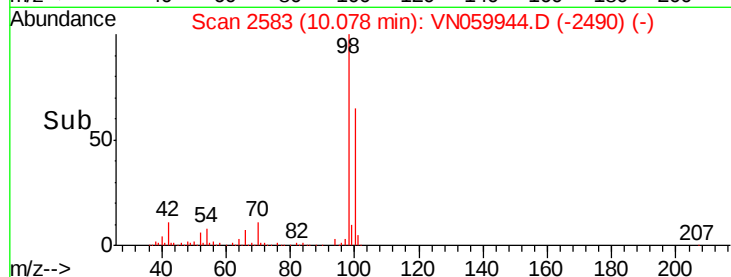
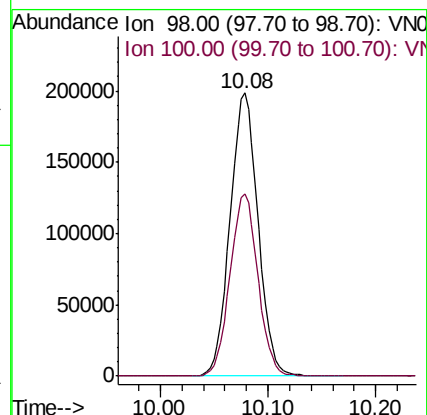
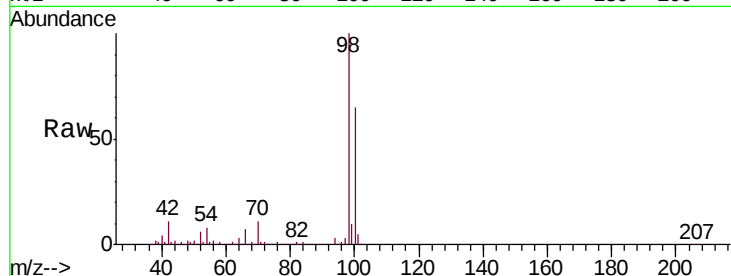
346

Tgt Ion: 98 Resp: 359157

Ion Ratio Lower Upper

98 100

100 64.4 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 1.314 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059944.D

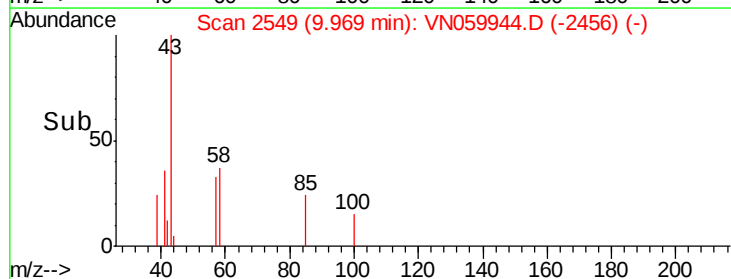
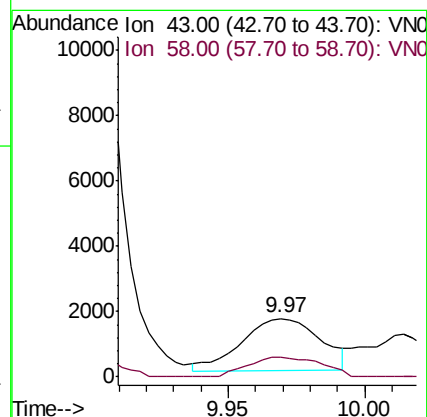
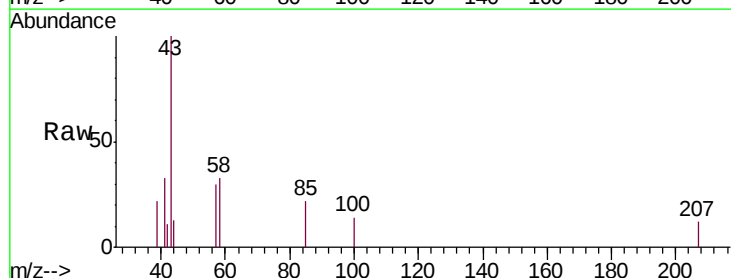
Acq: 31 Jan 2020 13:48

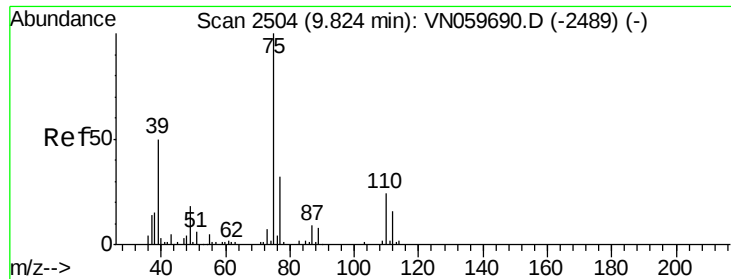
Tgt Ion: 43 Resp: 3209

Ion Ratio Lower Upper

43 100

58 34.9 29.8 44.8





#54

cis-1,3-Dichloropropene

Concen: 7.226 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN059944.D

Acq: 31 Jan 2020 13:48

Instrument :

MSVOA_N

ClientSampleId :

346

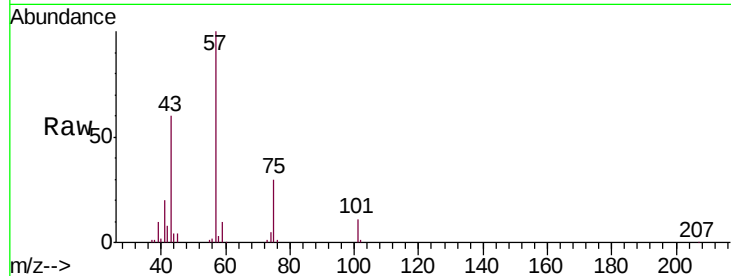
Tgt Ion: 75 Resp: 23318

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

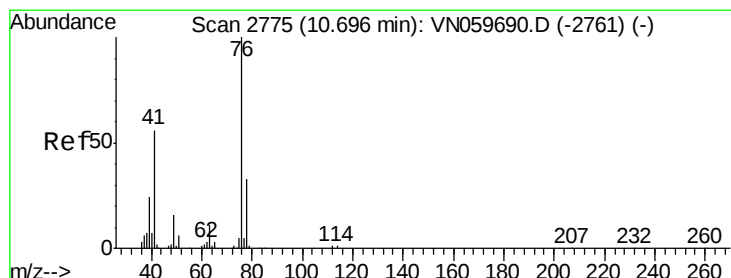
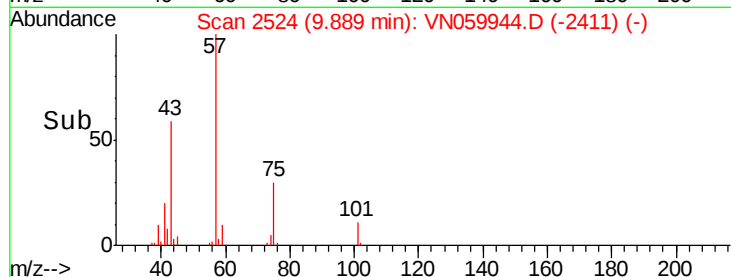
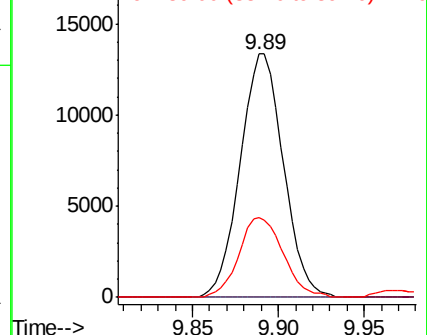
39 32.7 46.1 69.1#



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: 1.235 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN059944.D

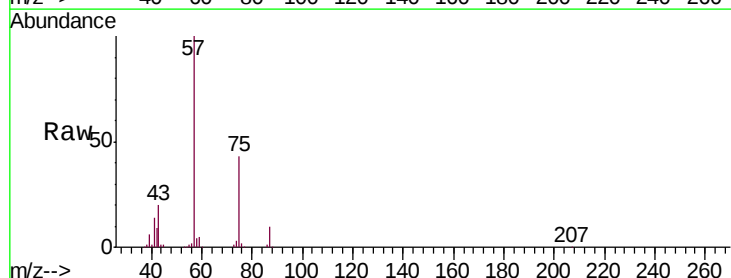
Acq: 31 Jan 2020 13:48

Tgt Ion: 76 Resp: 3830

Ion Ratio Lower Upper

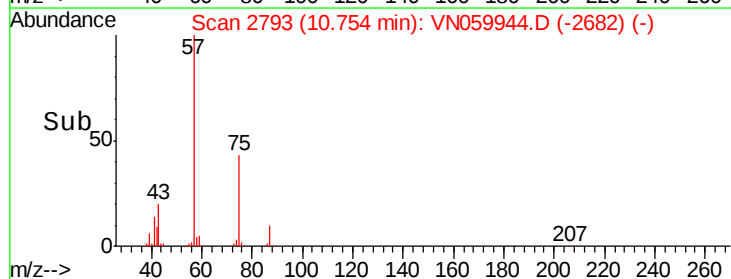
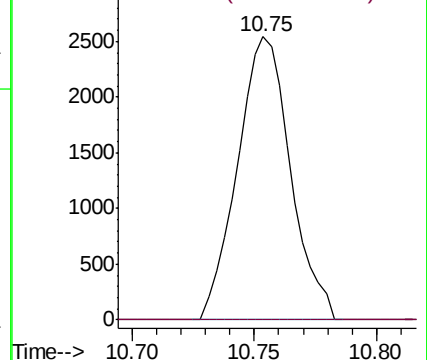
76 100

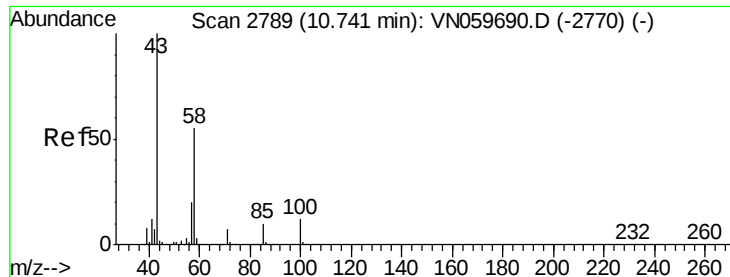
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

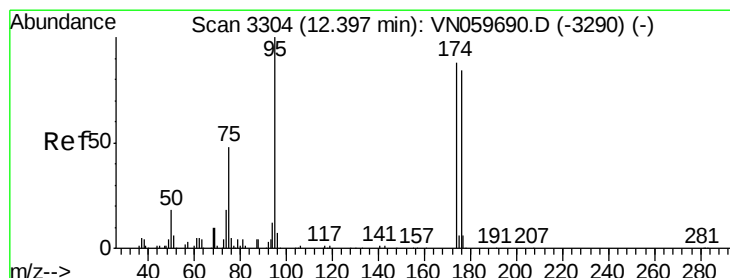
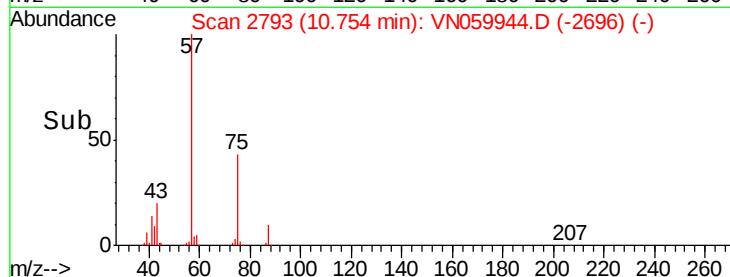
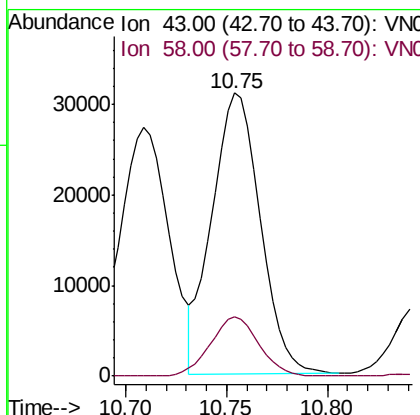
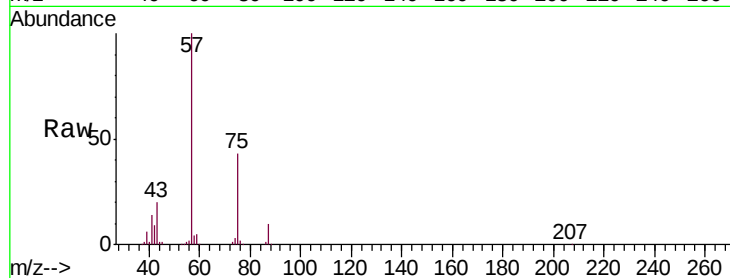




#59
2-Hexanone
Concen: 28.822 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN059944.D
Acq: 31 Jan 2020 13:48

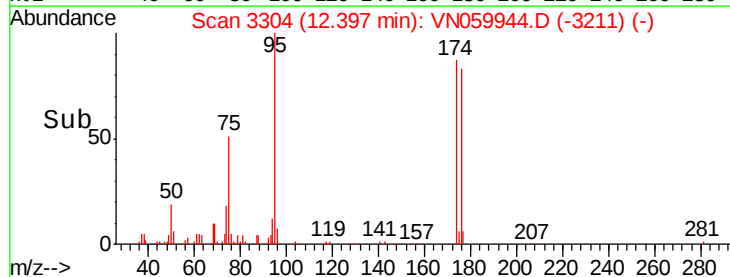
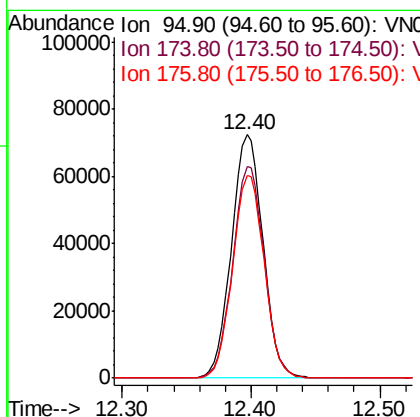
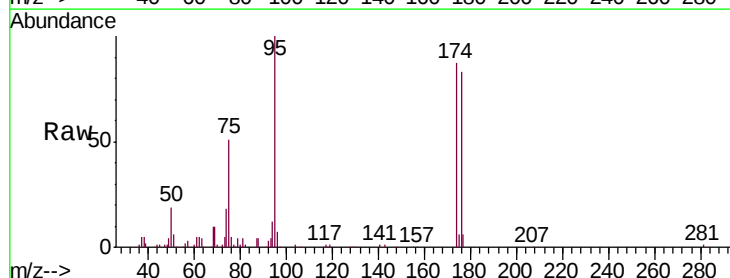
Instrument :
MSVOA_N
ClientSampleId :
346

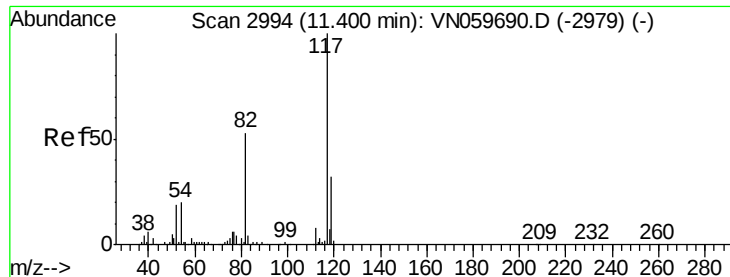
Tgt Ion: 43 Resp: 51843
Ion Ratio Lower Upper
43 100
58 21.0 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 49.112 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059944.D
Acq: 31 Jan 2020 13:48

Tgt Ion: 95 Resp: 122985
Ion Ratio Lower Upper
95 100
174 86.8 0.0 151.4
176 83.6 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059944.D

Acq: 31 Jan 2020 13:48

Instrument :

MSVOA_N

ClientSampleId :

346

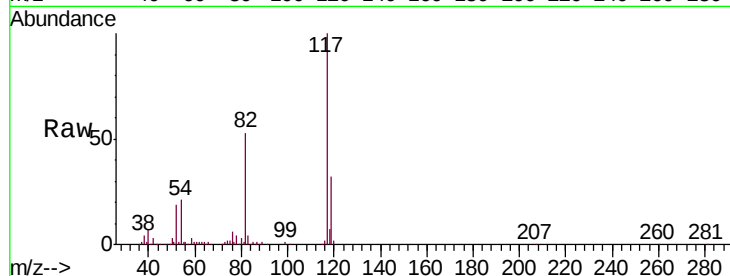
Tgt Ion:117 Resp: 272577

Ion Ratio Lower Upper

117 100

82 52.7 45.9 68.9

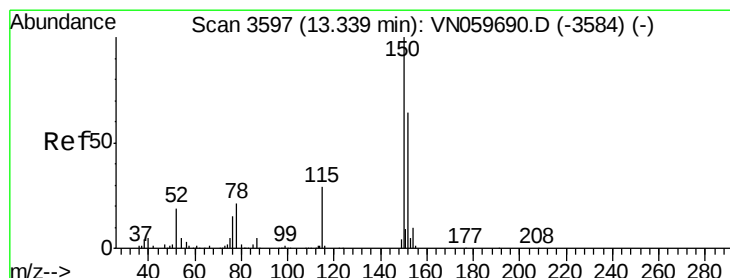
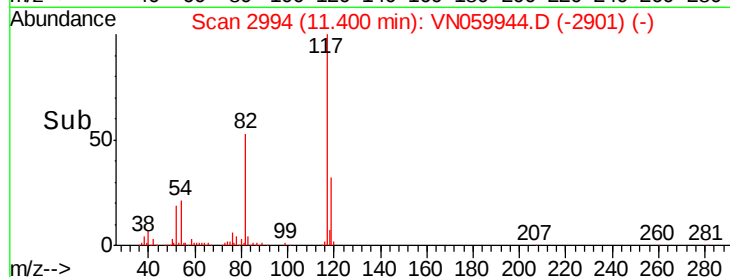
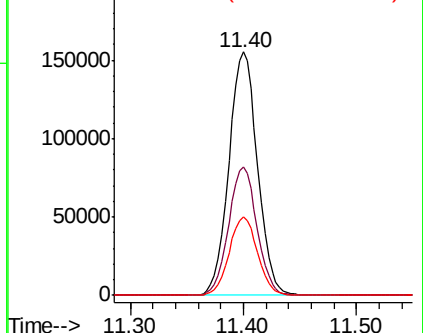
119 32.0 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059944.D

Acq: 31 Jan 2020 13:48

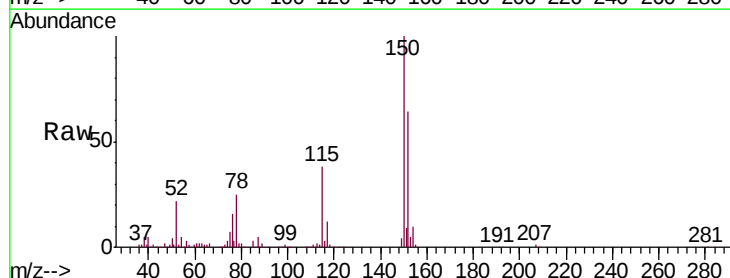
Tgt Ion:152 Resp: 118415

Ion Ratio Lower Upper

152 100

115 58.3 30.3 90.9

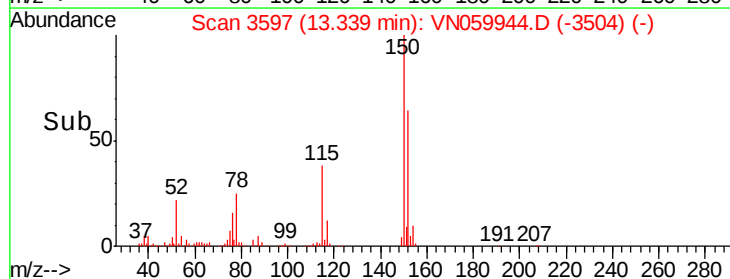
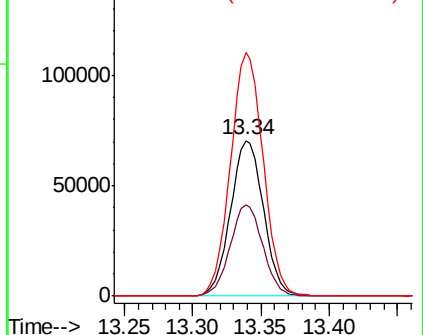
150 155.6 0.0 345.2

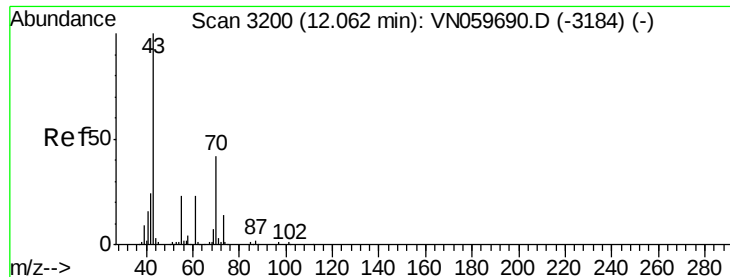


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.845 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN059944.D

Acq: 31 Jan 2020 13:48

Instrument :

MSVOA_N

ClientSampleId :

346

Tgt Ion: 43 Resp: 2846

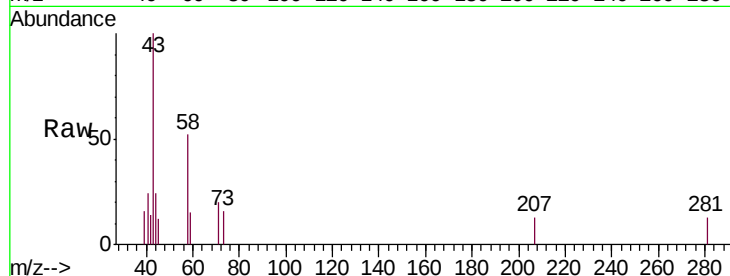
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

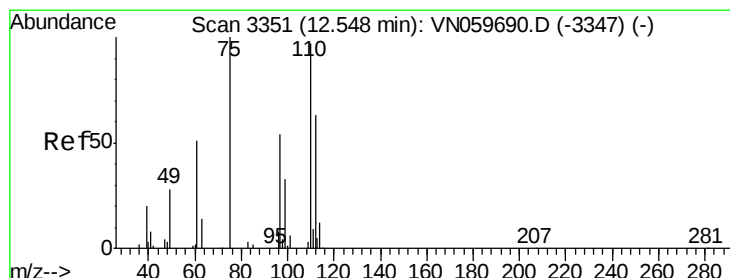
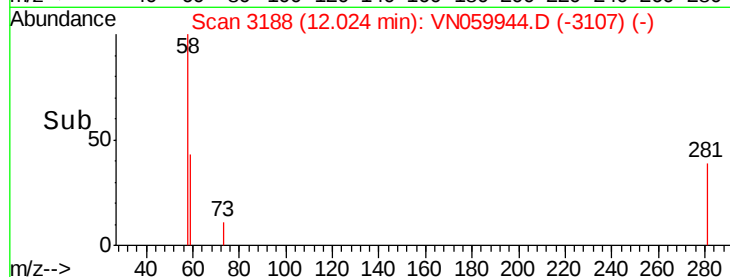
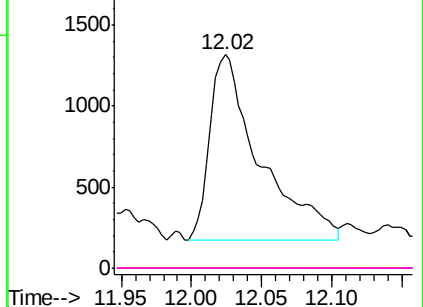


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 31.230 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059944.D

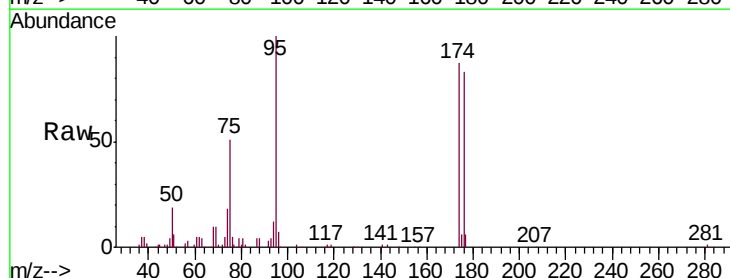
Acq: 31 Jan 2020 13:48

Tgt Ion: 75 Resp: 62236

Ion Ratio Lower Upper

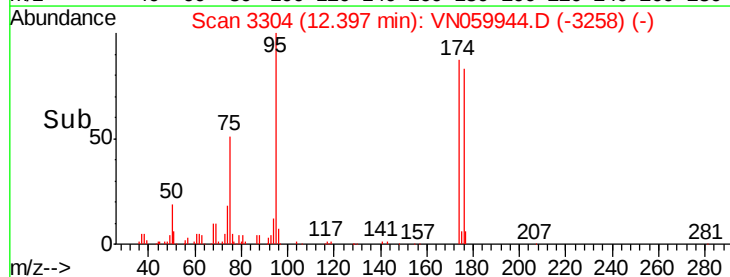
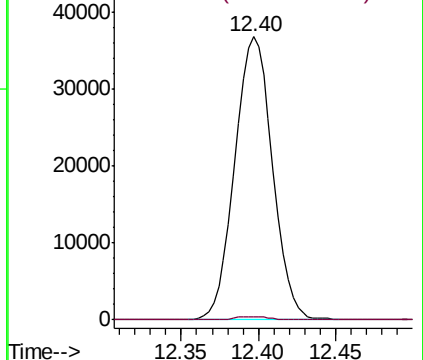
75 100

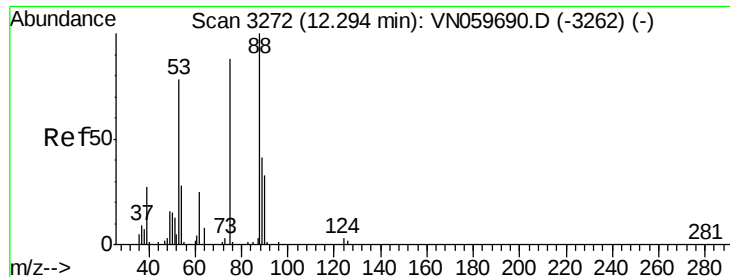
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 67.067 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059944.D

Acq: 31 Jan 2020 13:48

Instrument :

MSVOA_N

ClientSampleId :

346

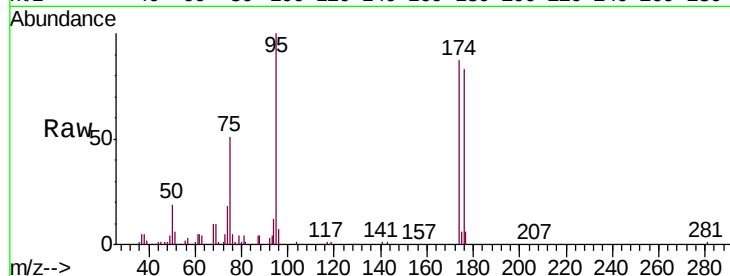
Tgt Ion: 75 Resp: 62236

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

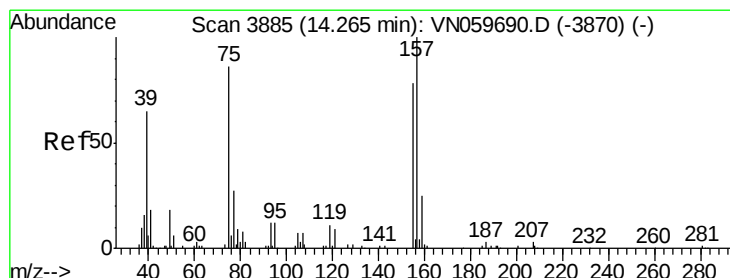
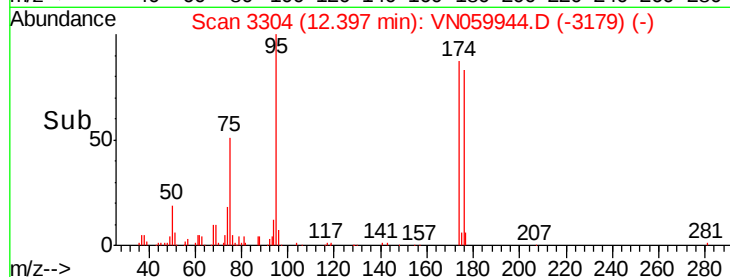
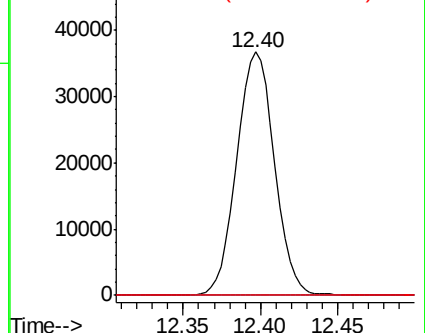
89 0.0 35.4 53.2#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3888

Delta R.T. 0.01 min

Lab File: VN059944.D

Acq: 31 Jan 2020 13:48

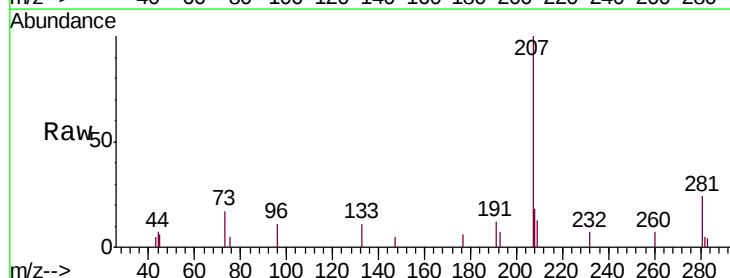
Tgt Ion: 75 Resp: 160

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

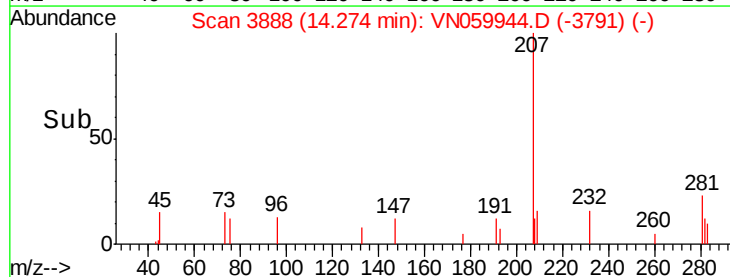
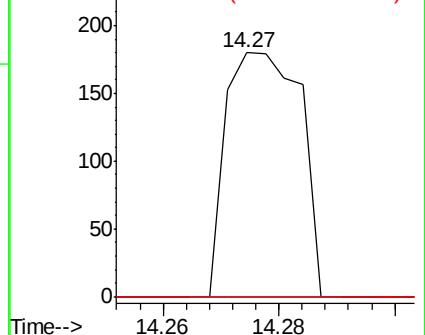
157 0.0 48.4 145.2#

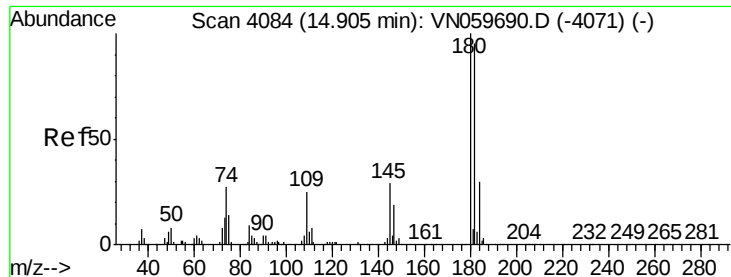


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

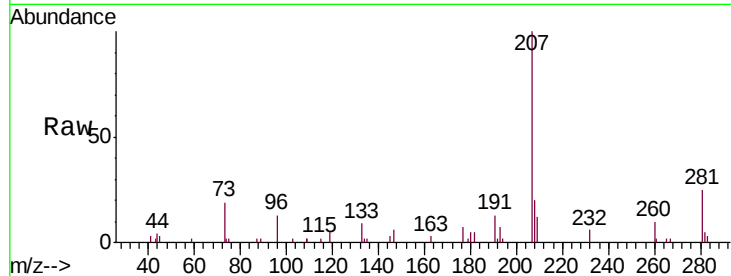




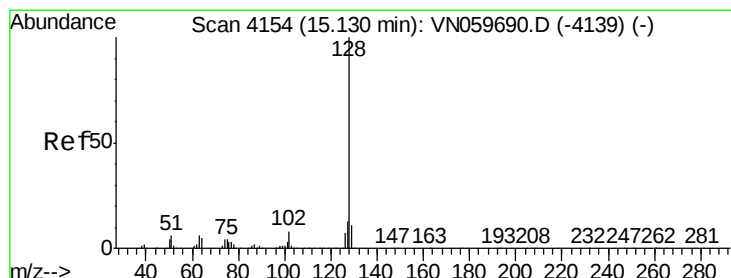
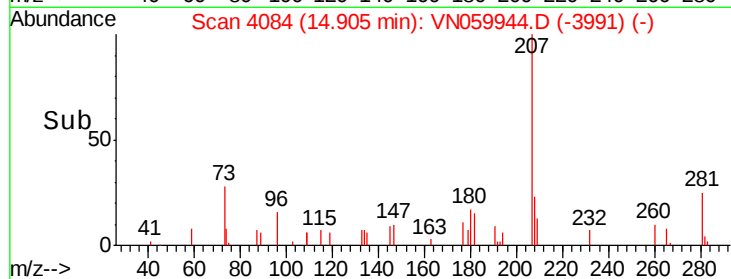
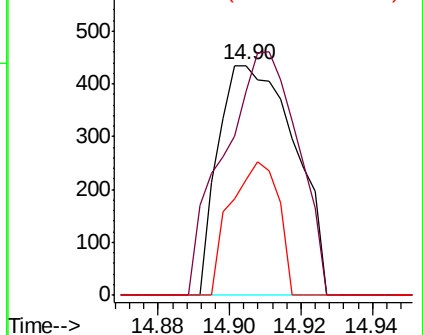
#93
1,2,4-Trichlorobenzene
Concen: 0.284 ug/l
RT: 14.90 min Scan# 4084
Delta R.T. 0.00 min
Lab File: VN059944.D
Acq: 31 Jan 2020 13:48

Instrument :
MSVOA_N
ClientSampled :
346

Tgt Ion:180 Resp: 644
Ion Ratio Lower Upper
180 100
182 102.5 46.9 140.7
145 36.6 15.0 45.1

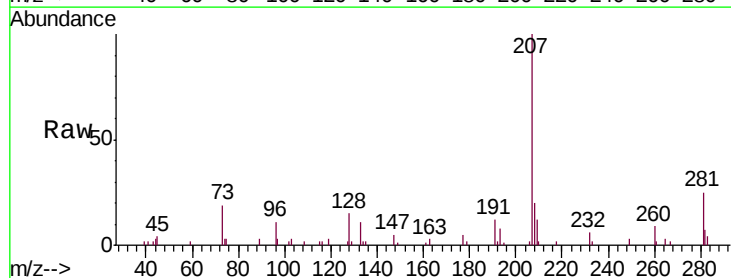


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

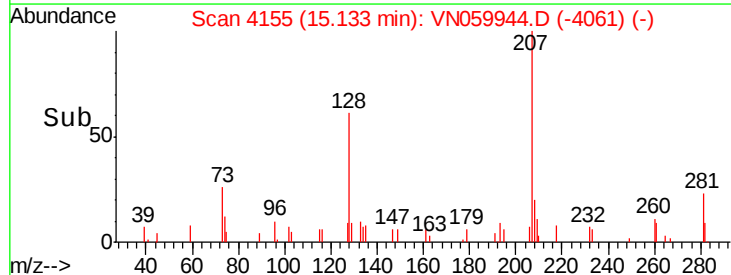
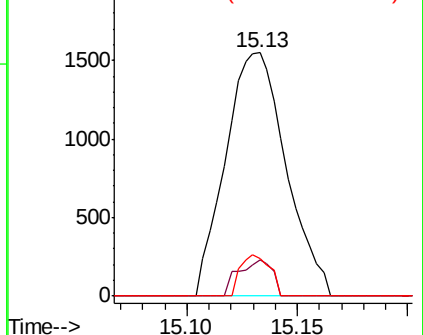


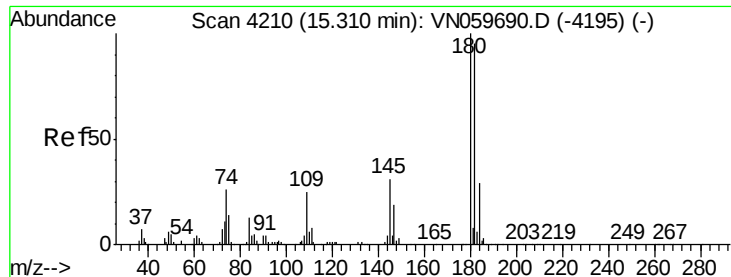
#95
Naphthalene
Concen: 0.456 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN059944.D
Acq: 31 Jan 2020 13:48

Tgt Ion:128 Resp: 2945
Ion Ratio Lower Upper
128 100
127 8.4 10.4 15.6#
129 8.4 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.387 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.01 min
 Lab File: VN059944.D
 Acq: 31 Jan 2020 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 346

Tgt Ion:	180	Resp:	855
Ion	Ratio	Lower	Upper
180	100		
182	84.8	47.4	142.3
145	20.4	16.3	48.9

