

Data File : VN059947.D
Acq On : 31 Jan 2020 14:56
Operator : JC/MD
Sample : L1325-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
72-11976

Quant Time: Feb 03 01:21:02 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	196302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	302189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	280035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130544	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	111000	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
35) Dibromofluoromethane	7.57	113	91101	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	10.08	98	363376	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
62) 4-Bromofluorobenzene	12.40	95	131224	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	

Target Compounds

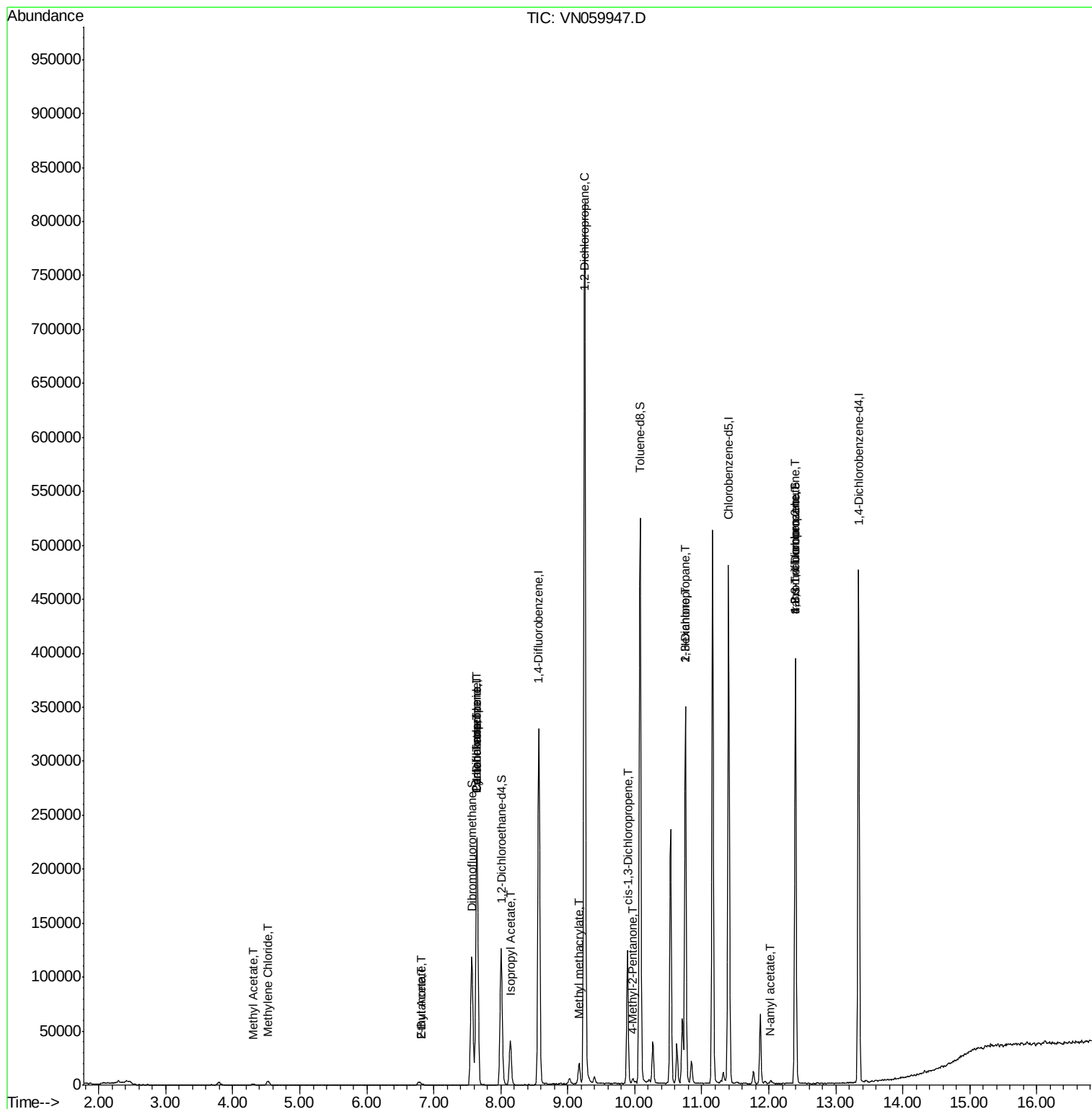
					Qvalue	
16) Acetone	3.79	43	5065	Below Cal	#	89
18) Methyl Acetate	4.31	43	1175	0.461	ug/l #	54
20) Methylene Chloride	4.53	84	3125	0.298	ug/l #	84
25) 2-Butanone	6.82	43	864	0.700	ug/l #	50
31) Cyclohexane	7.64	56	3905	1.211	ug/l #	16
36) 1,1-Dichloropropene	7.64	75	13643	5.184	ug/l #	51
37) Ethyl Acetate	6.82	43	864	0.350	ug/l #	69
38) Carbon Tetrachloride	7.64	117	18521	6.470	ug/l #	16
43) Isopropyl Acetate	8.14	43	48426	11.407	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	983	0.506	ug/l #	44
48) Methyl methacrylate	9.17	41	2834	1.492	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3175	1.294	ug/l	92
54) cis-1,3-Dichloropropene	9.89	75	23122	7.129	ug/l #	57
57) 1,3-Dichloropropane	10.76	76	3740	1.200	ug/l #	42
59) 2-Hexanone	10.75	43	50041	27.678	ug/l #	56
74) N-amyl acetate	12.02	43	1158	0.312	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	67430	30.693	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	67430	65.913	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.27	75	136	Below Cal	#	6

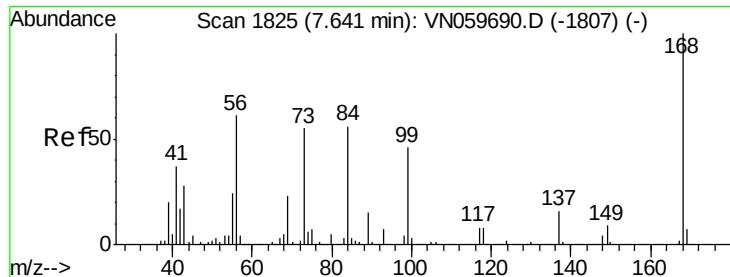
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059947.D

Acq: 31 Jan 2020 14:56

Instrument :

MSVOA_N

ClientSampleId :

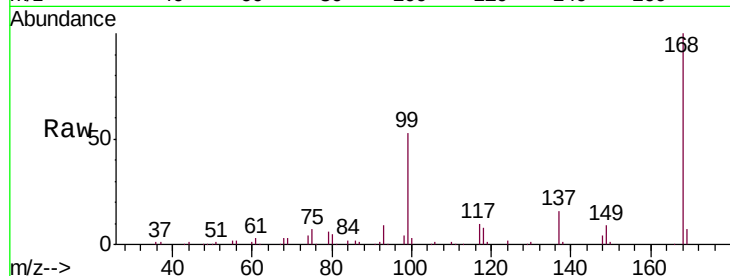
72-11976

Tgt Ion:168 Resp: 196302

Ion Ratio Lower Upper

168 100

99 53.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059690.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059690.D (-1807) (-)

7.64

80000

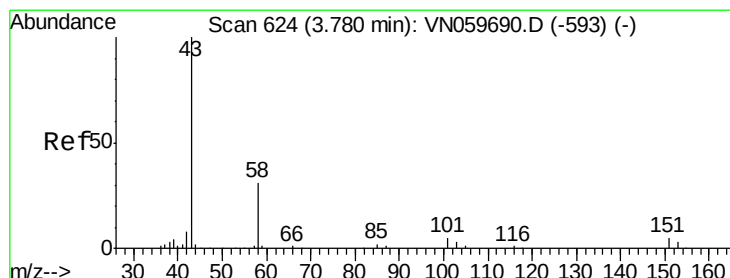
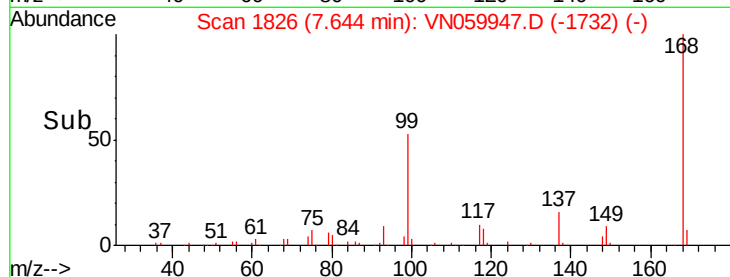
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN059947.D

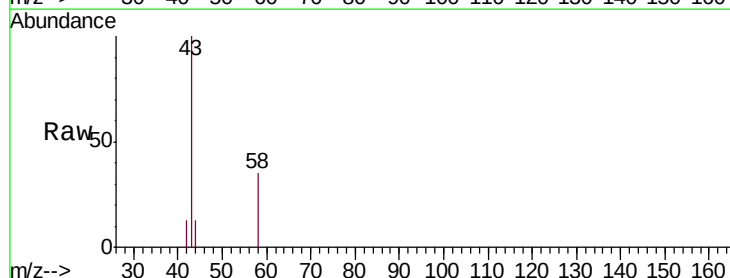
Acq: 31 Jan 2020 14:56

Tgt Ion: 43 Resp: 5065

Ion Ratio Lower Upper

43 100

58 35.4 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059690.D (-593) (-)

3.79

2000

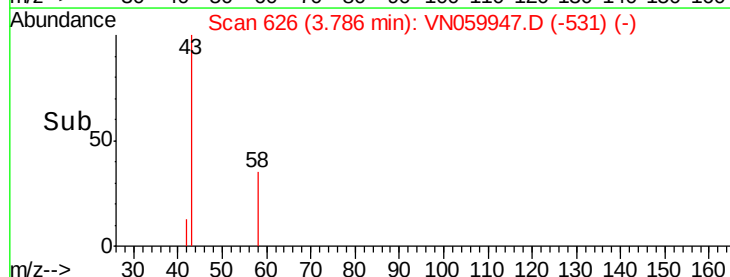
1500

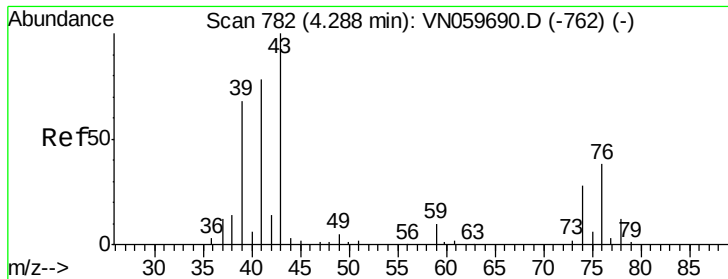
1000

500

0

Time--> 3.70 3.75 3.80 3.85 3.90

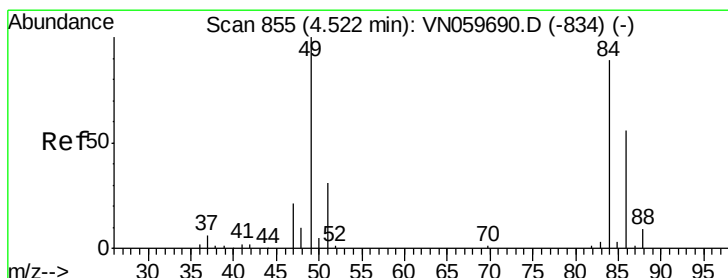
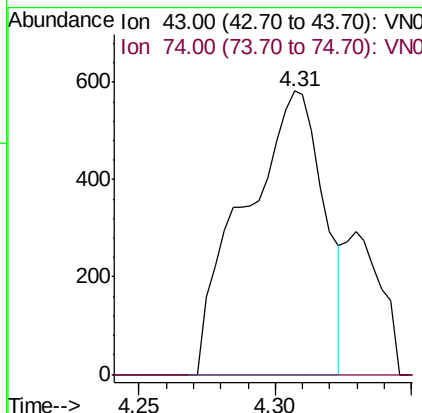
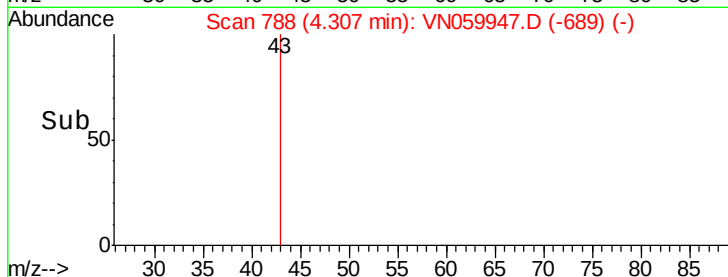
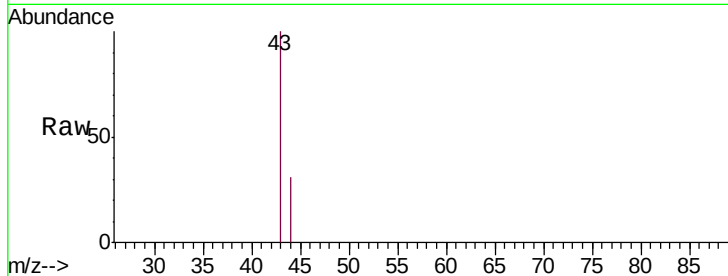




#18
Methyl Acetate
Concen: 0.461 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.02 min
Lab File: VN059947.D
Acq: 31 Jan 2020 14:56

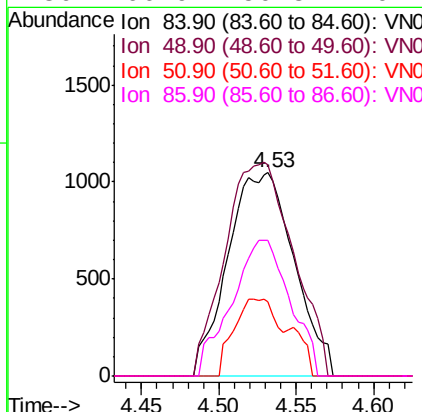
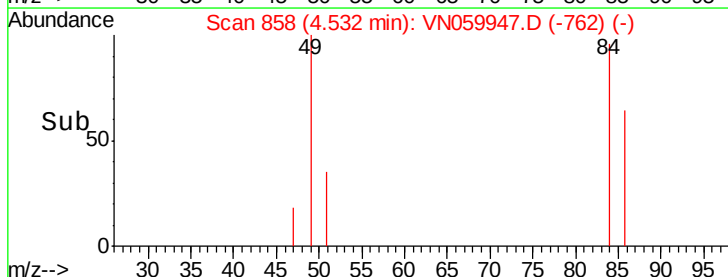
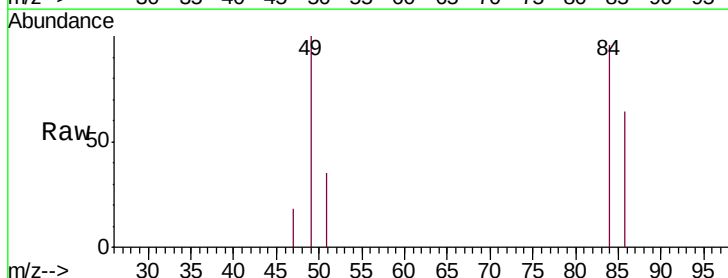
Instrument :
MSVOA_N
ClientSampleId :
72-11976

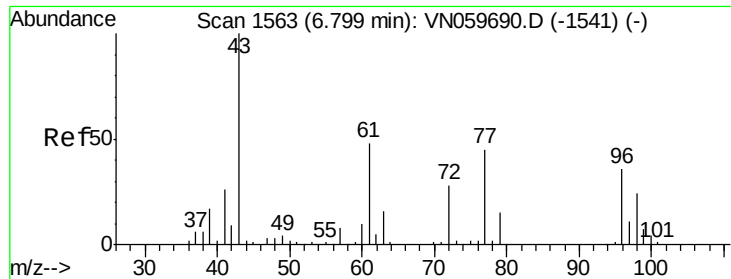
Tgt Ion: 43 Resp: 1175
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 0.298 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN059947.D
Acq: 31 Jan 2020 14:56

Tgt Ion: 84 Resp: 3125
Ion Ratio Lower Upper
84 100
49 104.0 106.6 160.0#
51 36.5 31.9 47.9
86 66.9 50.8 76.2





#25

2-Butanone

Concen: 0.700 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.02 min

Lab File: VN059947.D

Acq: 31 Jan 2020 14:56

Instrument :

MSVOA_N

ClientSampleId :

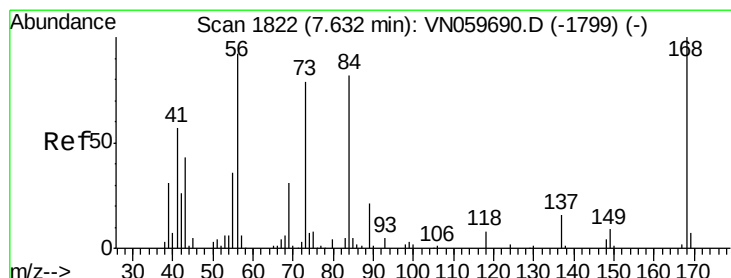
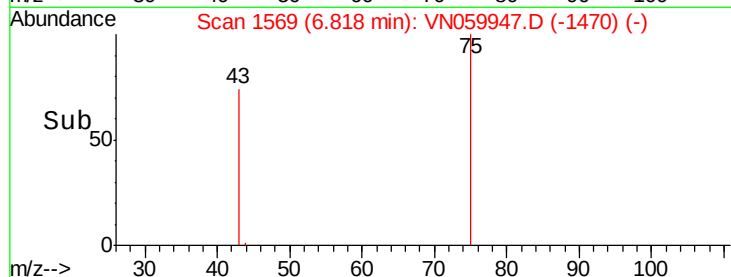
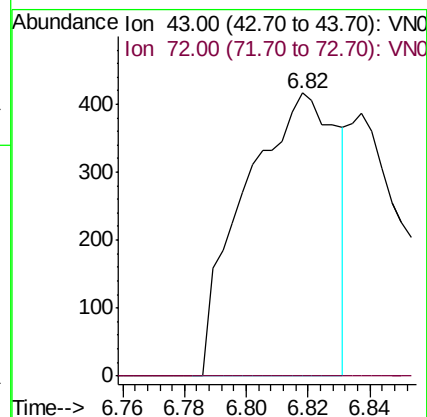
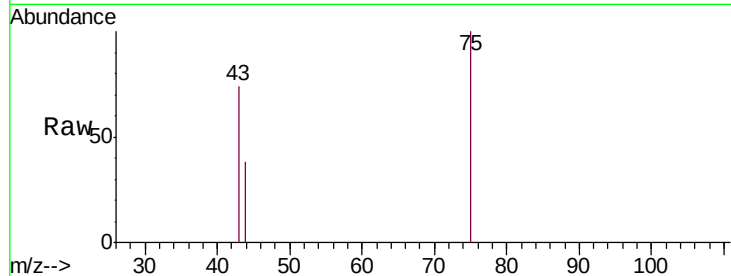
72-11976

Tgt Ion: 43 Resp: 864

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



#31

Cyclohexane

Concen: 1.211 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059947.D

Acq: 31 Jan 2020 14:56

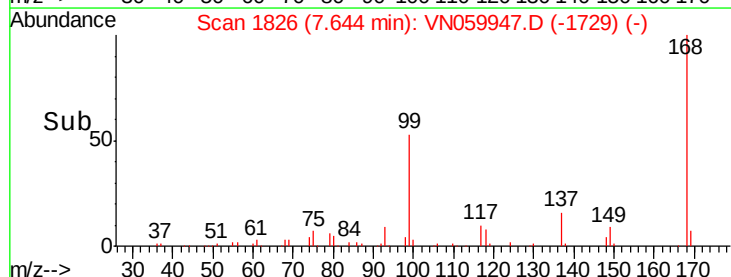
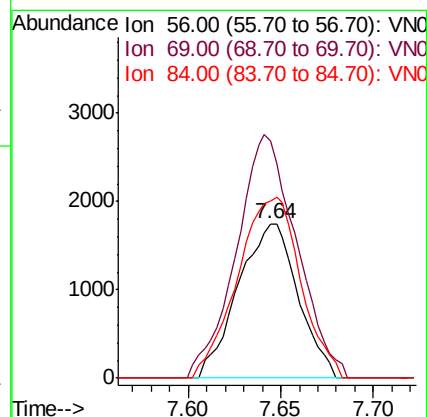
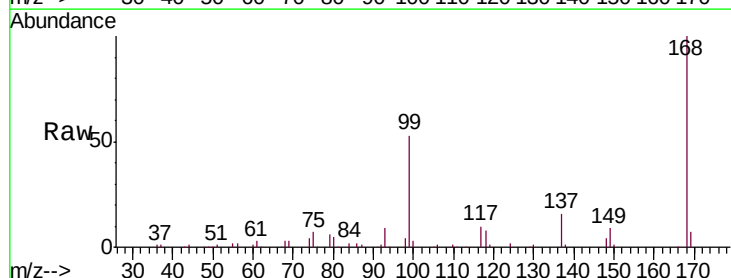
Tgt Ion: 56 Resp: 3905

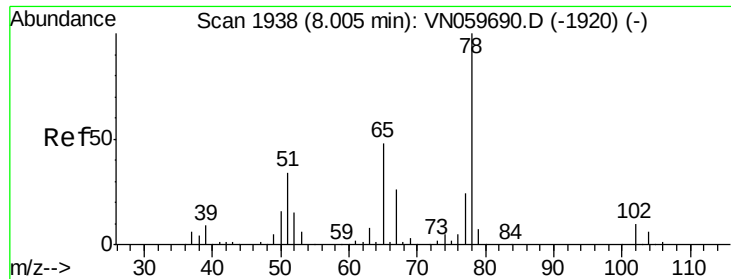
Ion Ratio Lower Upper

56 100

69 145.0 26.5 39.7#

84 115.2 65.3 97.9#

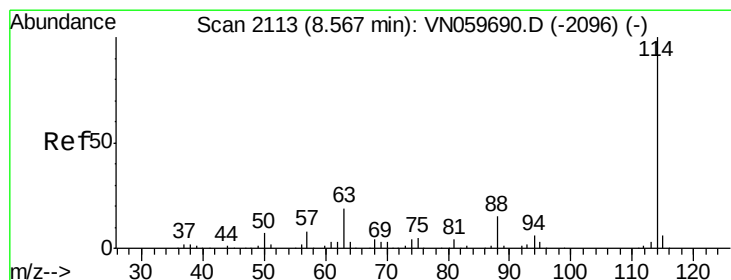
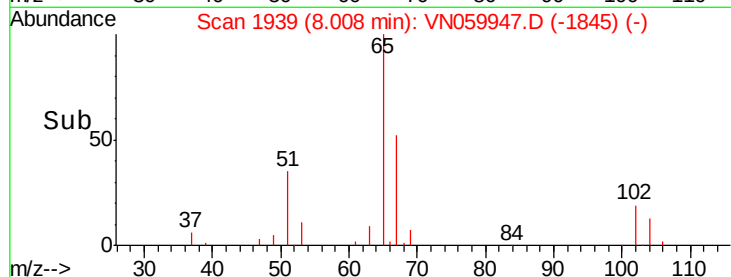
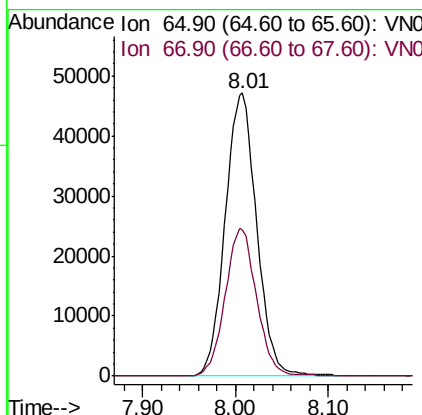
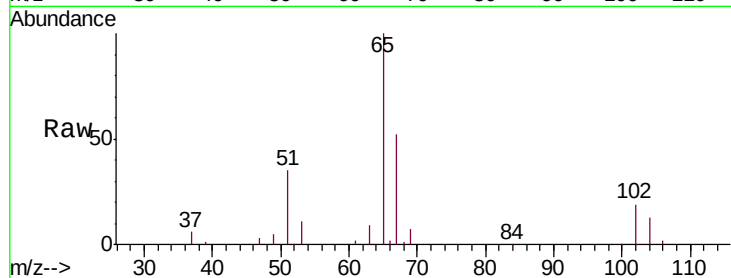




#33
 1,2-Dichloroethane-d4
 Concen: 50.918 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059947.D
 Acq: 31 Jan 2020 14:56

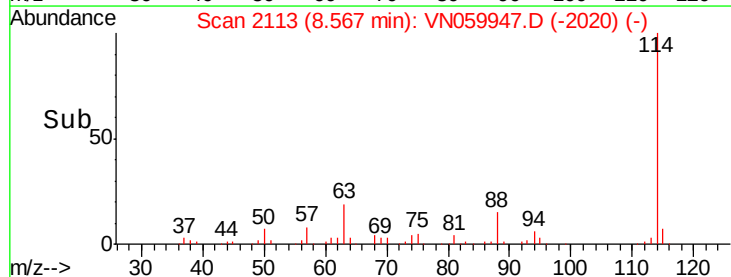
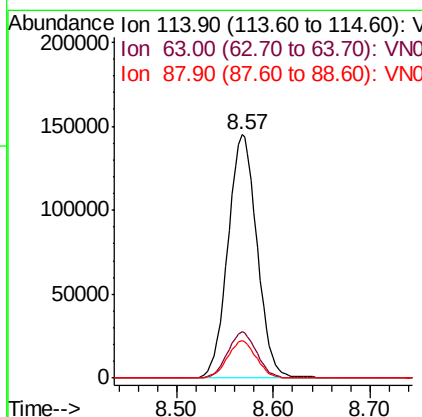
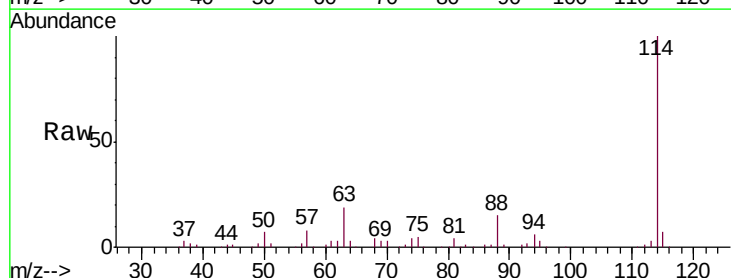
Instrument :
 MSVOA_N
 ClientSampled :
 72-11976

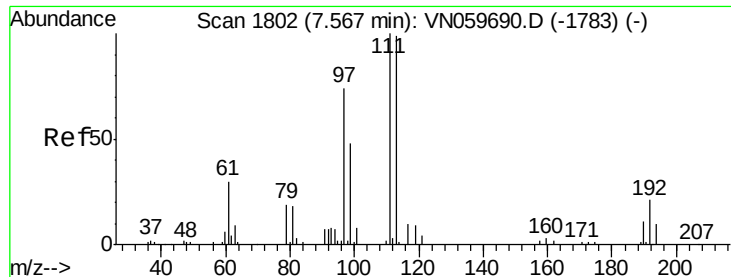
Tgt Ion: 65 Resp: 111000
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059947.D
 Acq: 31 Jan 2020 14:56

Tgt Ion: 114 Resp: 302189
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 43.6
 88 15.4 0.0 31.4

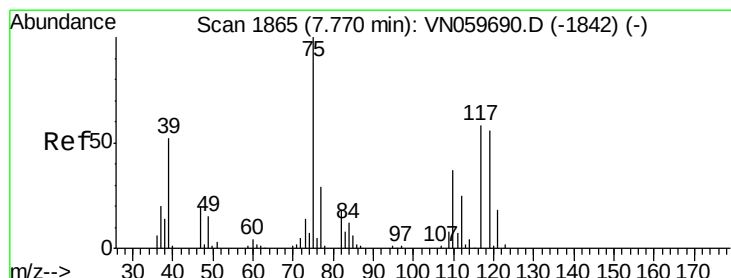
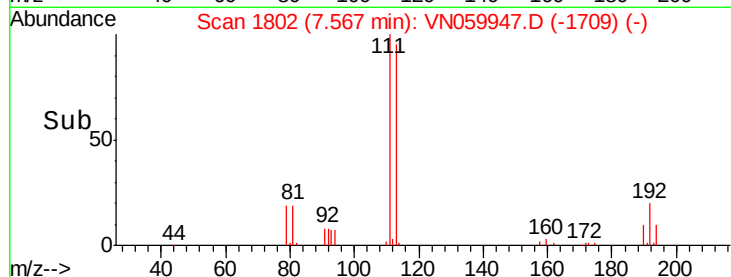
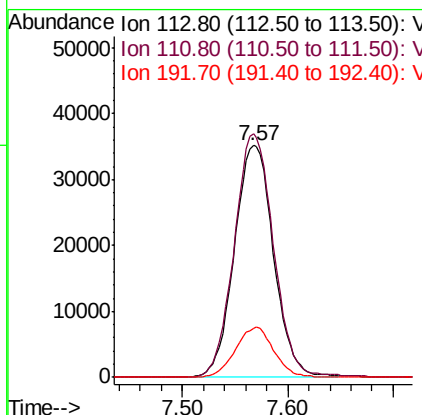
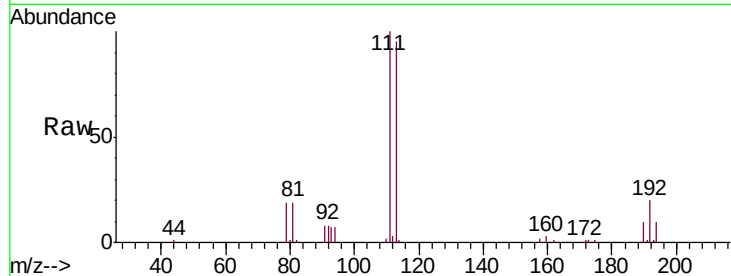




#35
 Dibromofluoromethane
 Concen: 50.553 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059947.D
 Acq: 31 Jan 2020 14:56

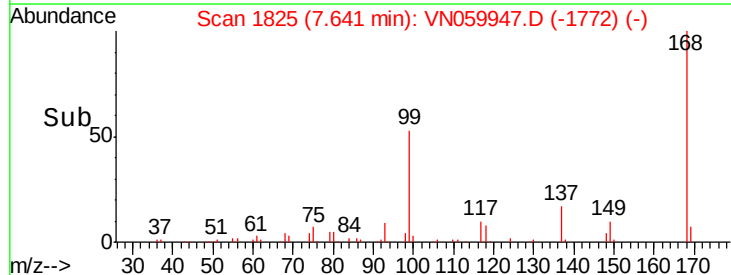
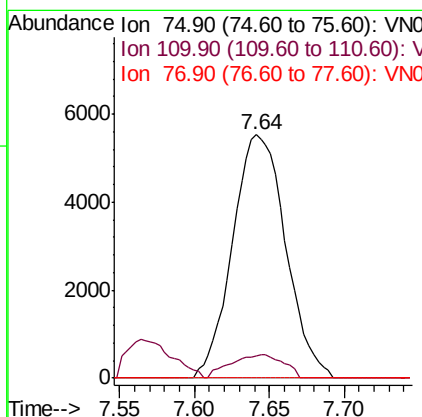
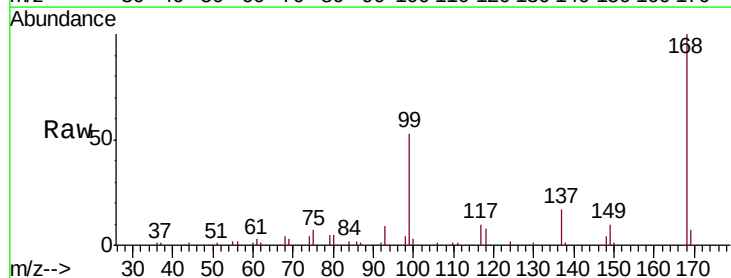
Instrument :
 MSVOA_N
 ClientSampleId :
 72-11976

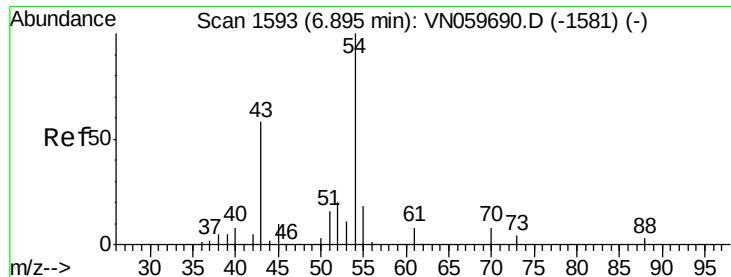
Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.1	83.5	125.3
192	21.2	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 5.184 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059947.D
 Acq: 31 Jan 2020 14:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	16.6	49.7#
77	0.0	25.1	37.7#

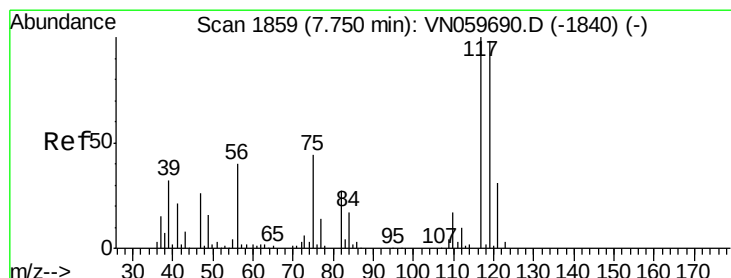
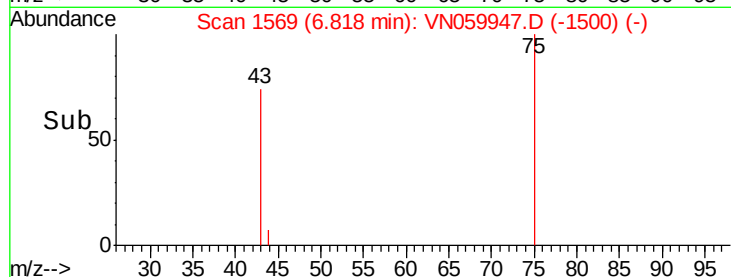
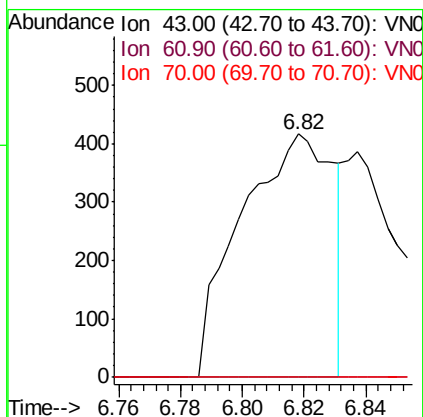
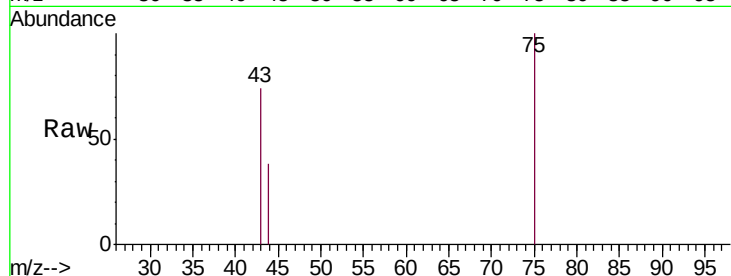




#37
 Ethyl Acetate
 Concen: 0.350 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.08 min
 Lab File: VN059947.D
 Acq: 31 Jan 2020 14:56

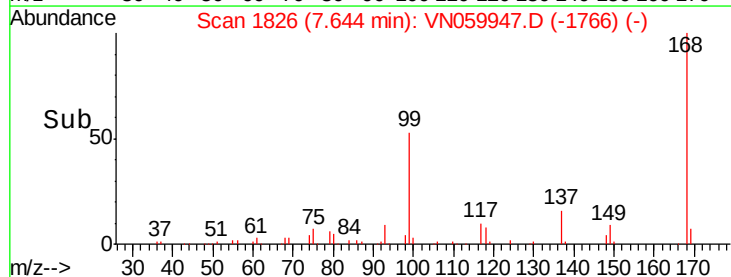
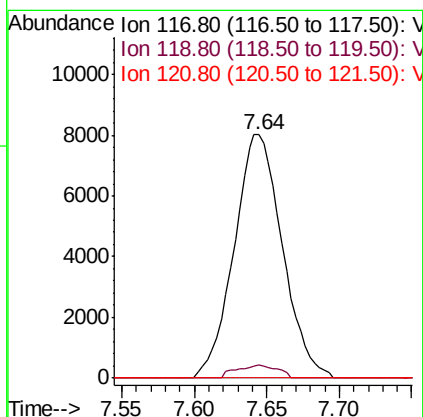
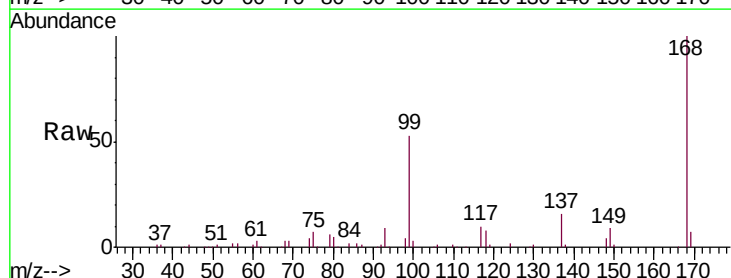
Instrument :
 MSVOA_N
 ClientSampled :
 72-11976

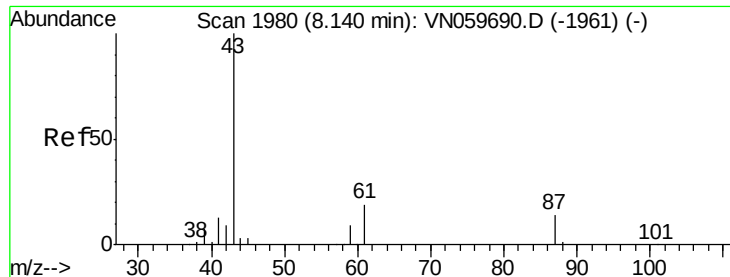
Tgt Ion: 43 Resp: 864
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 0.0 7.7 11.5#



#38
 Carbon Tetrachloride
 Concen: 6.470 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059947.D
 Acq: 31 Jan 2020 14:56

Tgt Ion: 117 Resp: 18521
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.5 114.7#
 121 0.0 25.1 37.7#





#43

Isopropyl Acetate

Concen: 11.407 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059947.D

Acq: 31 Jan 2020 14:56

Instrument :

MSVOA_N

ClientSampled :

72-11976

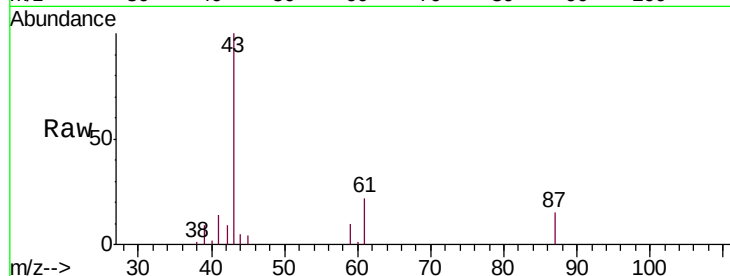
Tgt Ion: 43 Resp: 48426

Ion Ratio Lower Upper

43 100

61 21.0 20.2 30.2

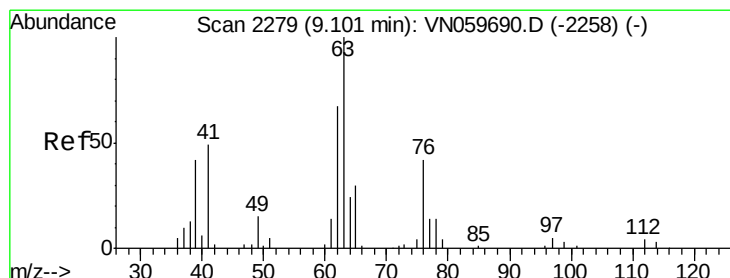
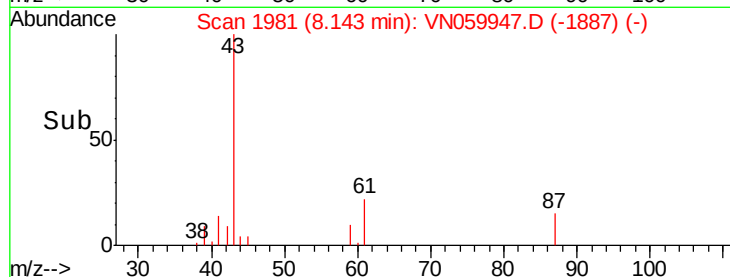
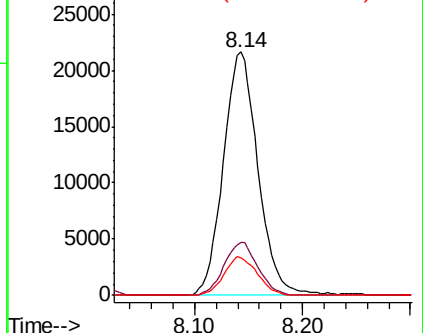
87 15.1 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059947.D (-1987) (-)

Ion 61.00 (60.70 to 61.70): VN059947.D (-1987) (-)

Ion 87.00 (86.70 to 87.70): VN059947.D (-1987) (-)



#45

1,2-Dichloropropane

Concen: 0.506 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN059947.D

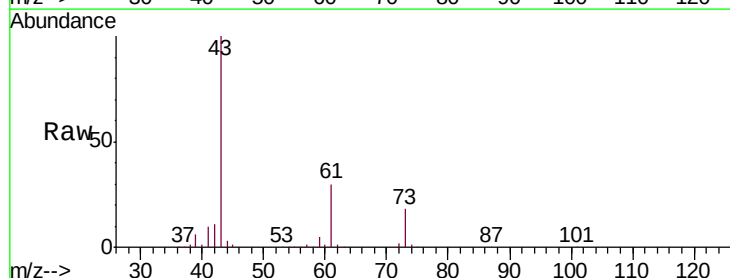
Acq: 31 Jan 2020 14:56

Tgt Ion: 63 Resp: 983

Ion Ratio Lower Upper

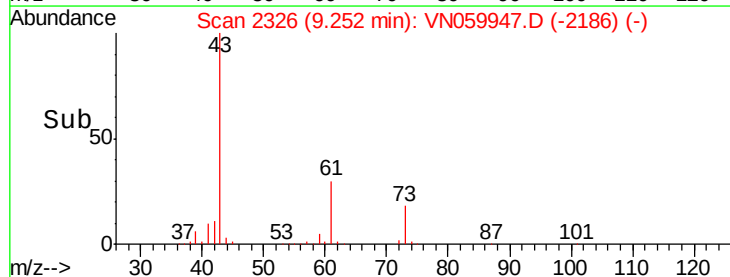
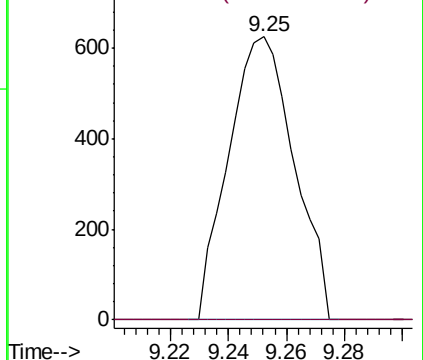
63 100

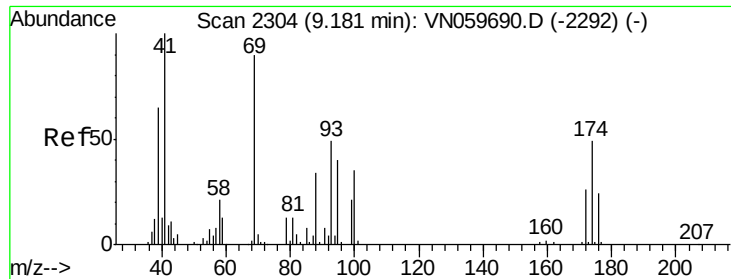
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN059947.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN059947.D (-2186) (-)

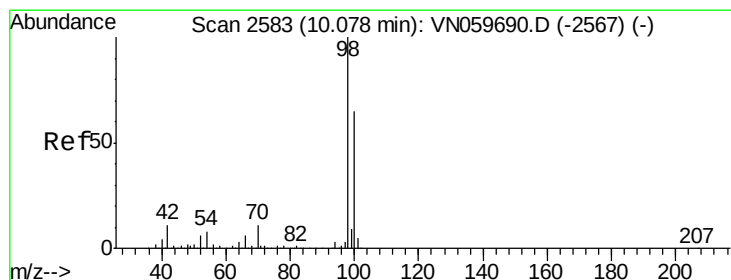
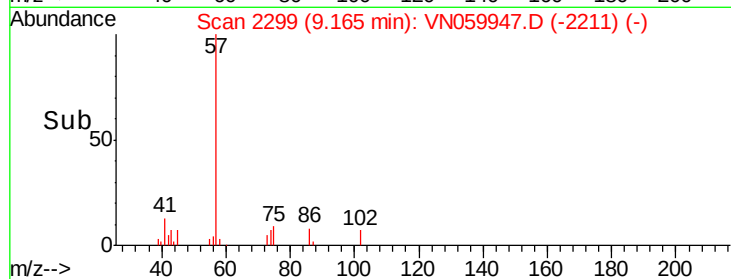
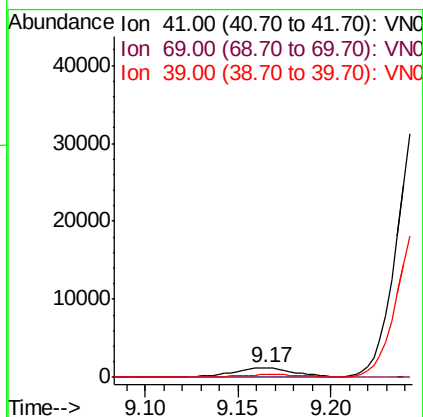
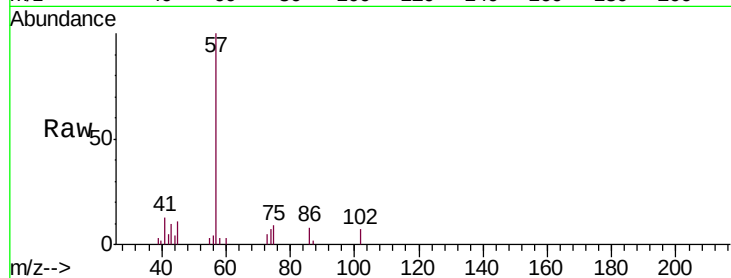




#48
Methyl methacrylate
Concen: 1.492 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN059947.D
Acq: 31 Jan 2020 14:56

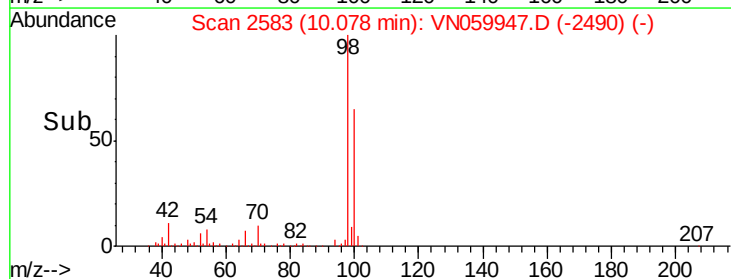
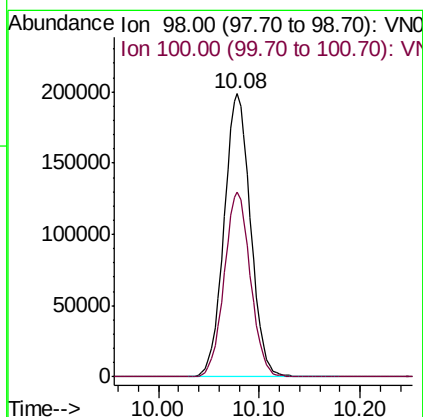
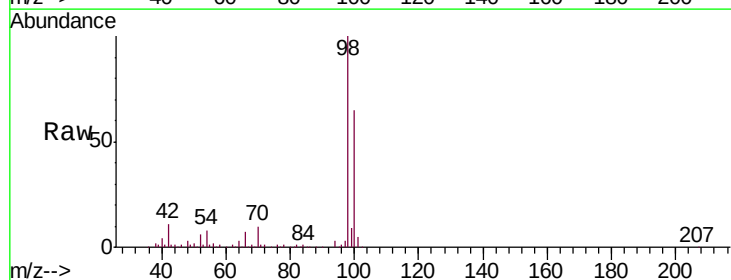
Instrument :
MSVOA_N
ClientSampled :
72-11976

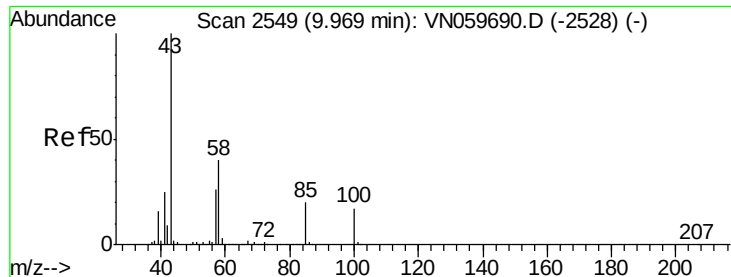
Tgt Ion: 41 Resp: 2834
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 52.043 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059947.D
Acq: 31 Jan 2020 14:56

Tgt Ion: 98 Resp: 363376
Ion Ratio Lower Upper
98 100
100 64.6 51.2 76.8

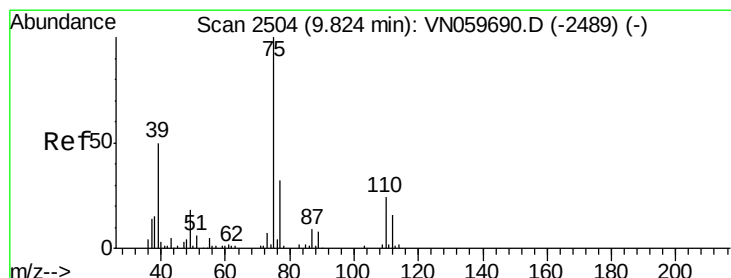
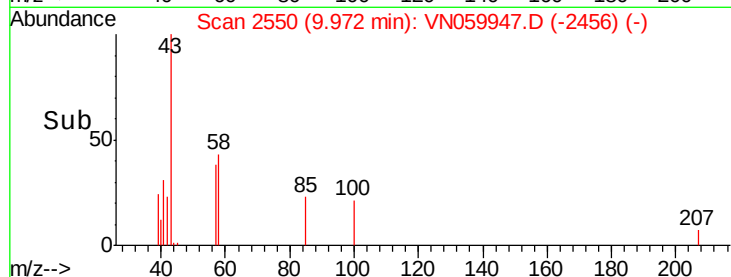
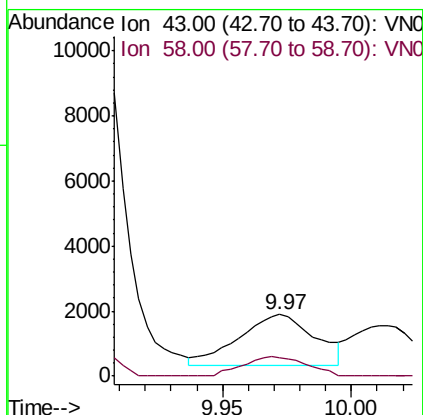
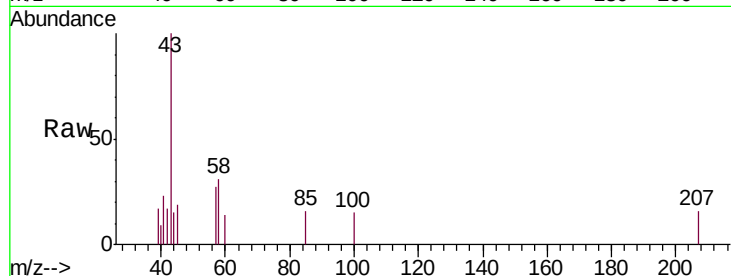




#51
 4-Methyl-2-Pentanone
 Concen: 1.294 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059947.D
 Acq: 31 Jan 2020 14:56

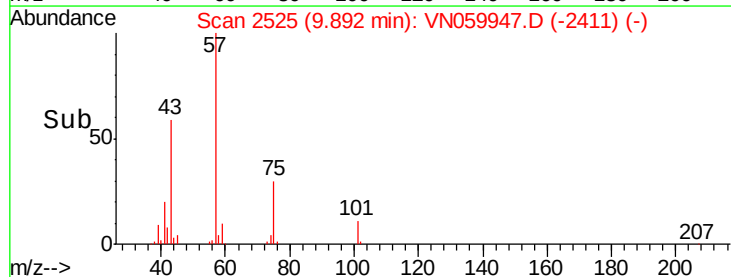
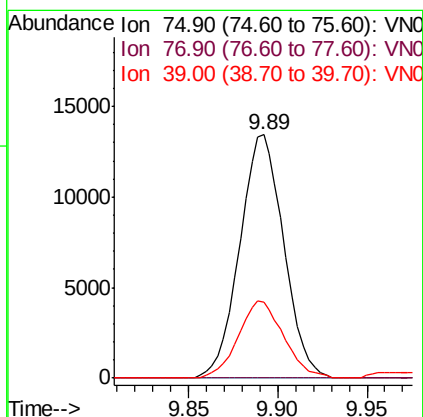
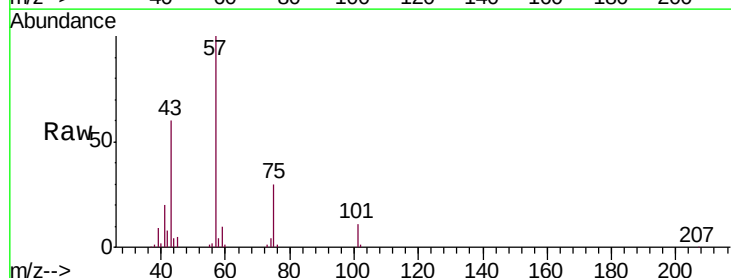
Instrument :
 MSVOA_N
 ClientSampleId :
 72-11976

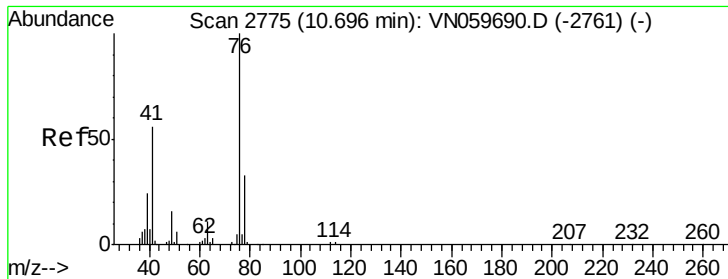
Tgt Ion: 43 Resp: 3175
 Ion Ratio Lower Upper
 43 100
 58 32.4 29.8 44.8



#54
 cis-1,3-Dichloropropene
 Concen: 7.129 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN059947.D
 Acq: 31 Jan 2020 14:56

Tgt Ion: 75 Resp: 23122
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 31.3 46.1 69.1#

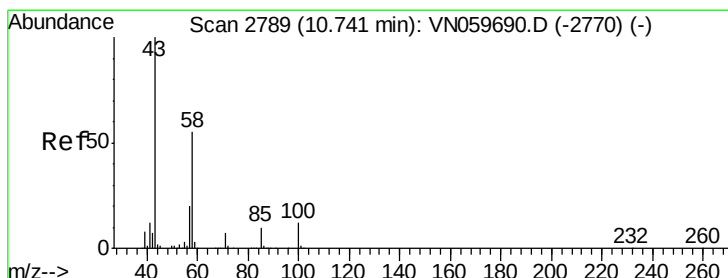
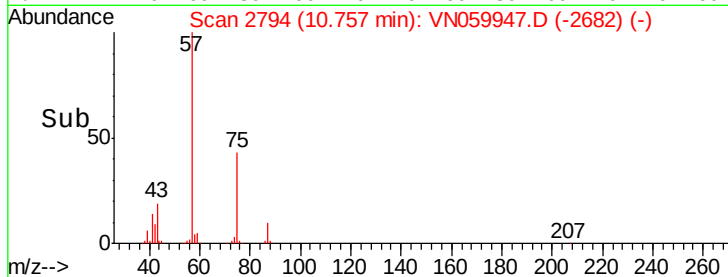
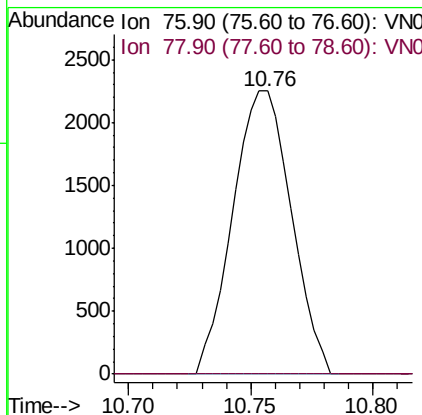
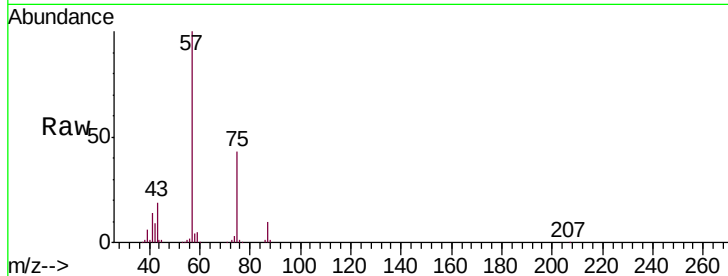




#57
 1,3-Dichloropropane
 Concen: 1.200 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.06 min
 Lab File: VN059947.D
 Acq: 31 Jan 2020 14:56

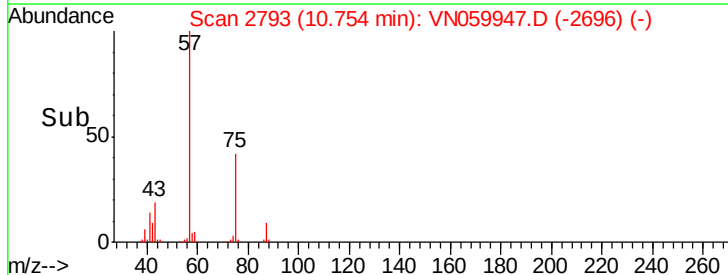
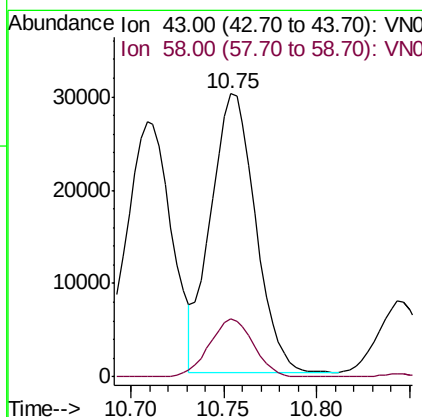
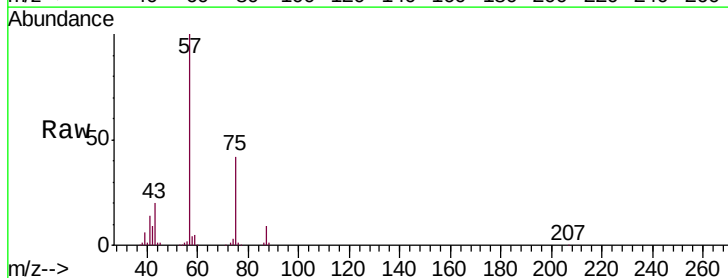
Instrument :
 MSVOA_N
 ClientSampleId :
 72-11976

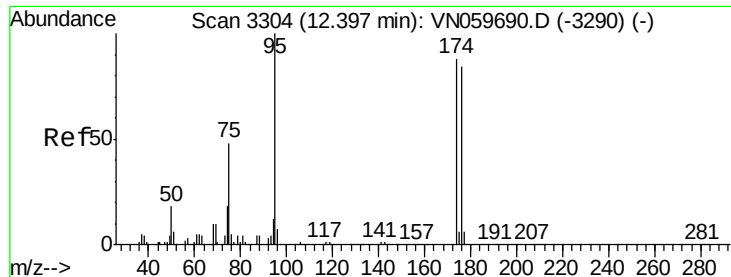
Tgt Ion: 76 Resp: 3740
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 27.678 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059947.D
 Acq: 31 Jan 2020 14:56

Tgt Ion: 43 Resp: 50041
 Ion Ratio Lower Upper
 43 100
 58 20.4 25.8 77.3#





#62

4-Bromofluorobenzene

Concen: 52.134 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059947.D

Acq: 31 Jan 2020 14:56

Instrument :

MSVOA_N

ClientSampled :

72-11976

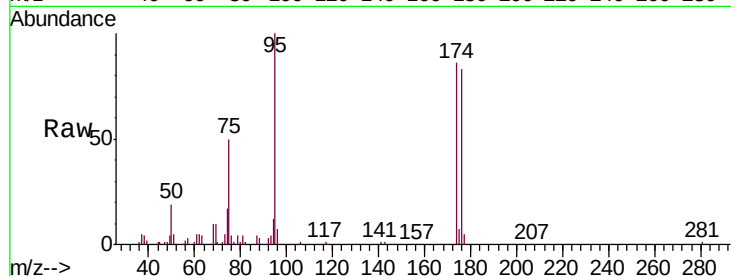
Tgt Ion: 95 Resp: 131224

Ion Ratio Lower Upper

95 100

174 87.2 0.0 151.4

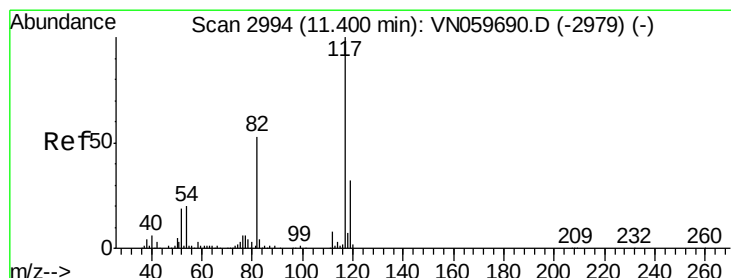
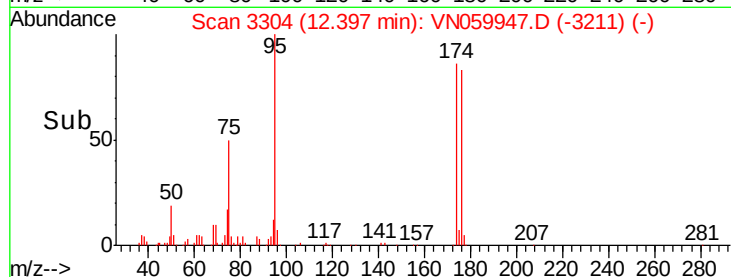
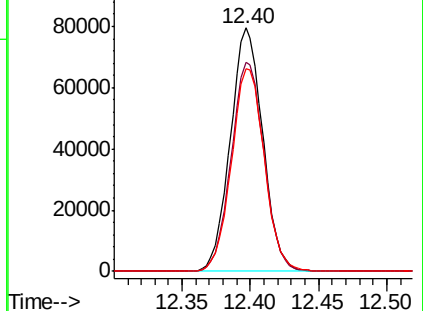
176 84.6 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059947.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN059947.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN059947.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059947.D

Acq: 31 Jan 2020 14:56

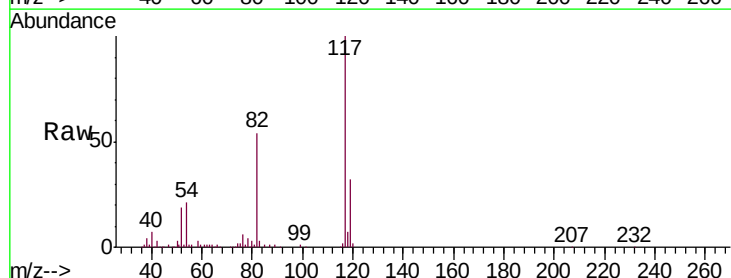
Tgt Ion: 117 Resp: 280035

Ion Ratio Lower Upper

117 100

82 53.9 45.9 68.9

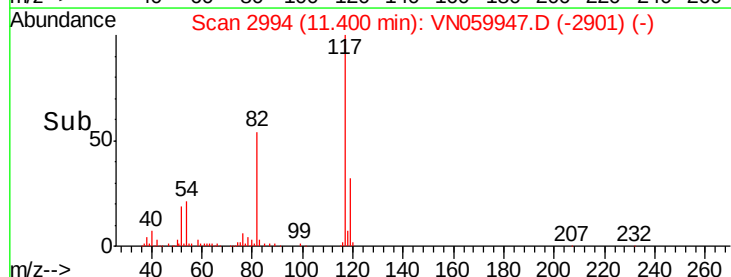
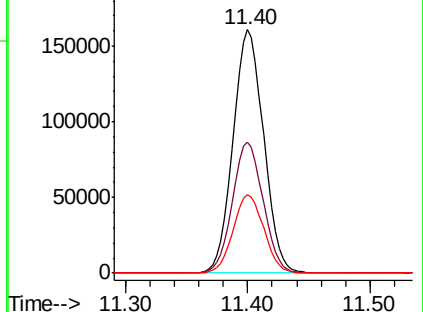
119 32.1 25.5 38.3

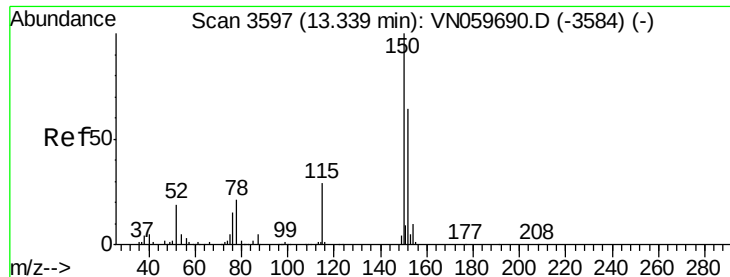


Abundance Ion 116.90 (116.60 to 117.60): VN059947.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN059947.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN059947.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059947.D

Acq: 31 Jan 2020 14:56

Instrument :

MSVOA_N

ClientSampleId :

72-11976

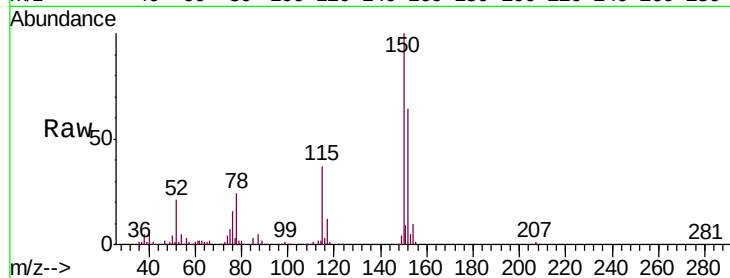
Tgt Ion:152 Resp: 130544

Ion Ratio Lower Upper

152 100

115 57.7 30.3 90.9

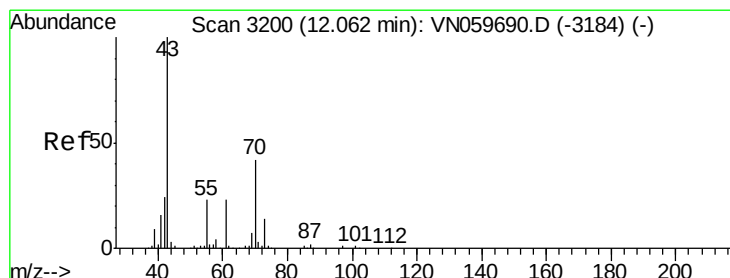
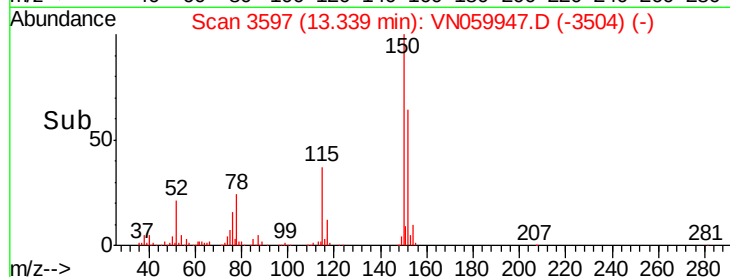
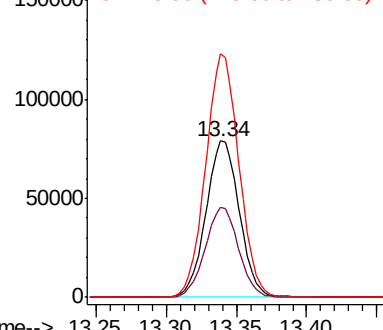
150 155.8 0.0 345.2



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: 0.312 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN059947.D

Acq: 31 Jan 2020 14:56

Tgt Ion: 43 Resp: 1158

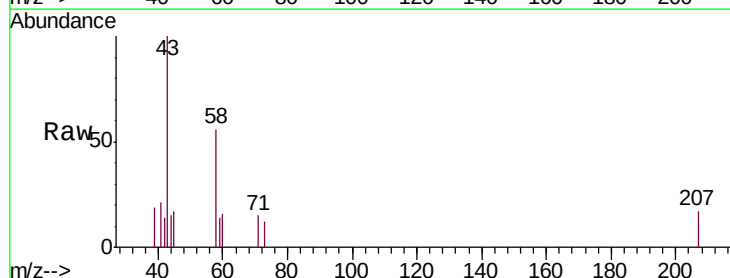
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

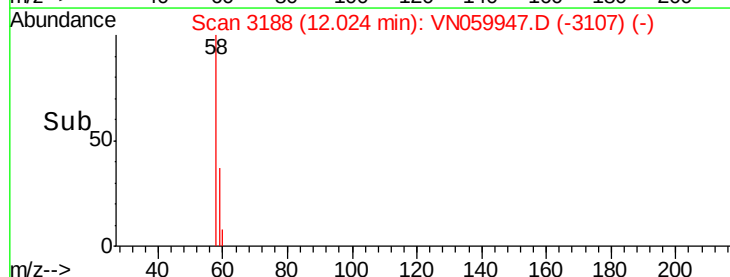
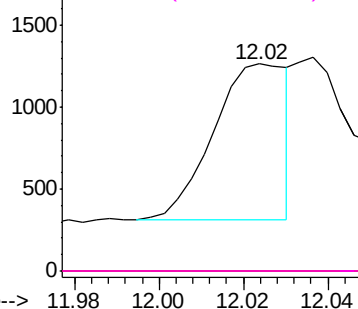


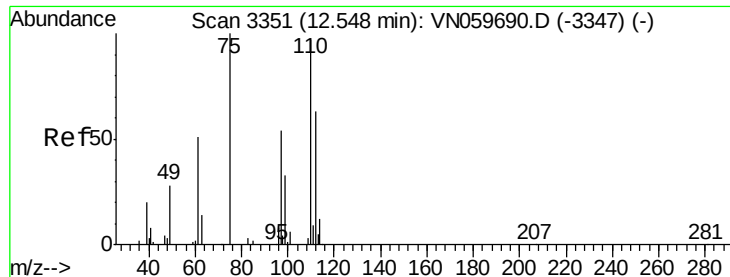
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 30.693 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059947.D

Acq: 31 Jan 2020 14:56

Instrument :

MSVOA_N

ClientSampleId :

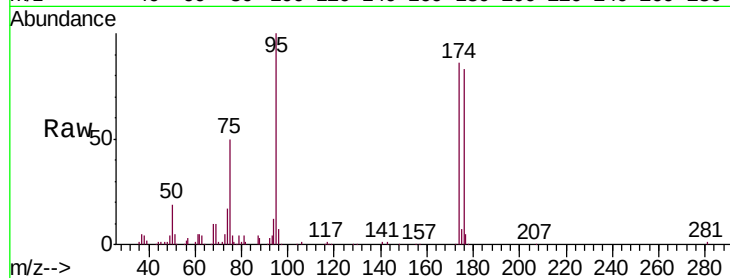
72-11976

Tgt Ion: 75 Resp: 67430

Ion Ratio Lower Upper

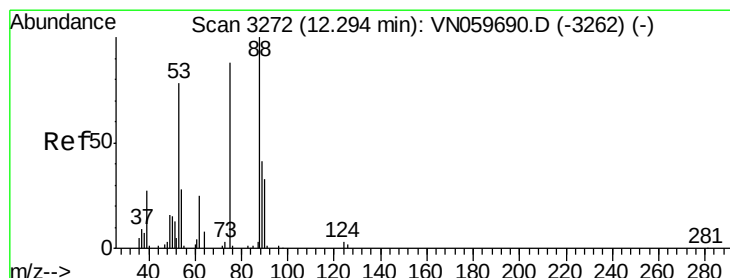
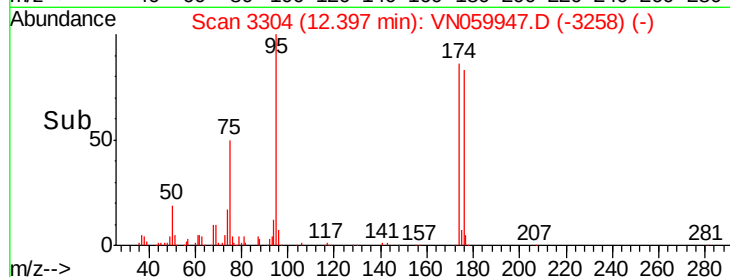
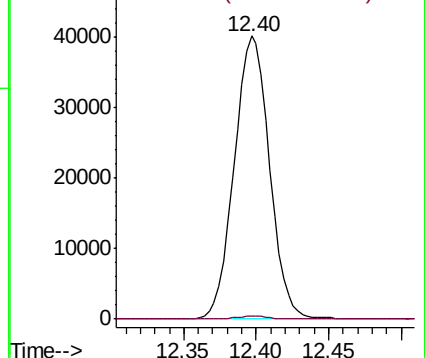
75 100

77 0.9 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: 65.913 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059947.D

Acq: 31 Jan 2020 14:56

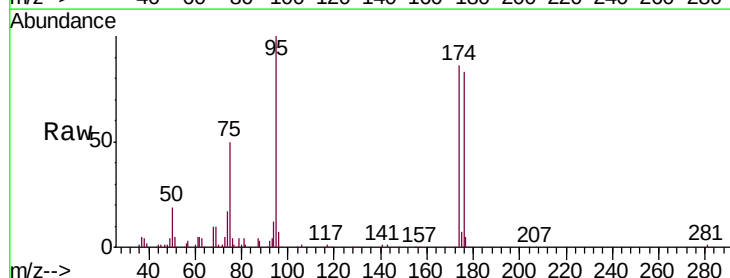
Tgt Ion: 75 Resp: 67430

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

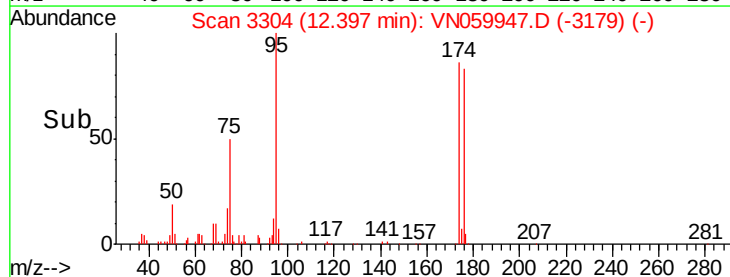
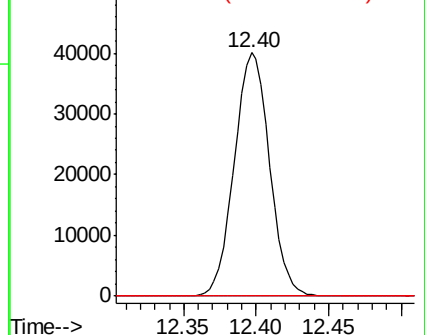
89 0.0 35.4 53.2#

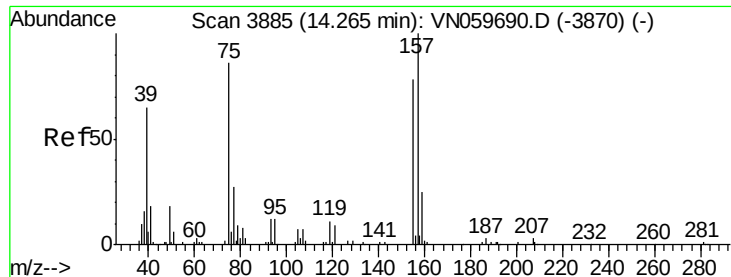


Abundance Ion 74.90 (74.60 to 75.60): VN0

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: VN059947.D

Acq: 31 Jan 2020 14:56

Instrument :

MSVOA_N

ClientSampleId :

72-11976

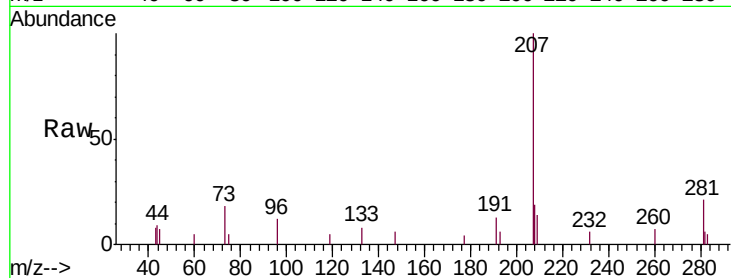
Tgt Ion: 75 Resp: 136

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): VN059947.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN059947.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN059947.D (-3791) (-)

