

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\
 Data File : VN059920.D
 Acq On : 29 Jan 2020 18:17
 Operator : JC/MD
 Sample : PB126412ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:04:37 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	200381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	300760	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	267614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	107842	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	106616	47.91	ug/l	0.00
Spiked Amount						
			Recovery	=	95.82%	
35) Dibromofluoromethane	7.57	113	91123	50.81	ug/l	0.00
Spiked Amount						
			Recovery	=	101.62%	
50) Toluene-d8	10.08	98	359280	51.70	ug/l	0.00
Spiked Amount						
			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.40	95	116023	46.31	ug/l	0.00
Spiked Amount						
			Recovery	=	92.62%	

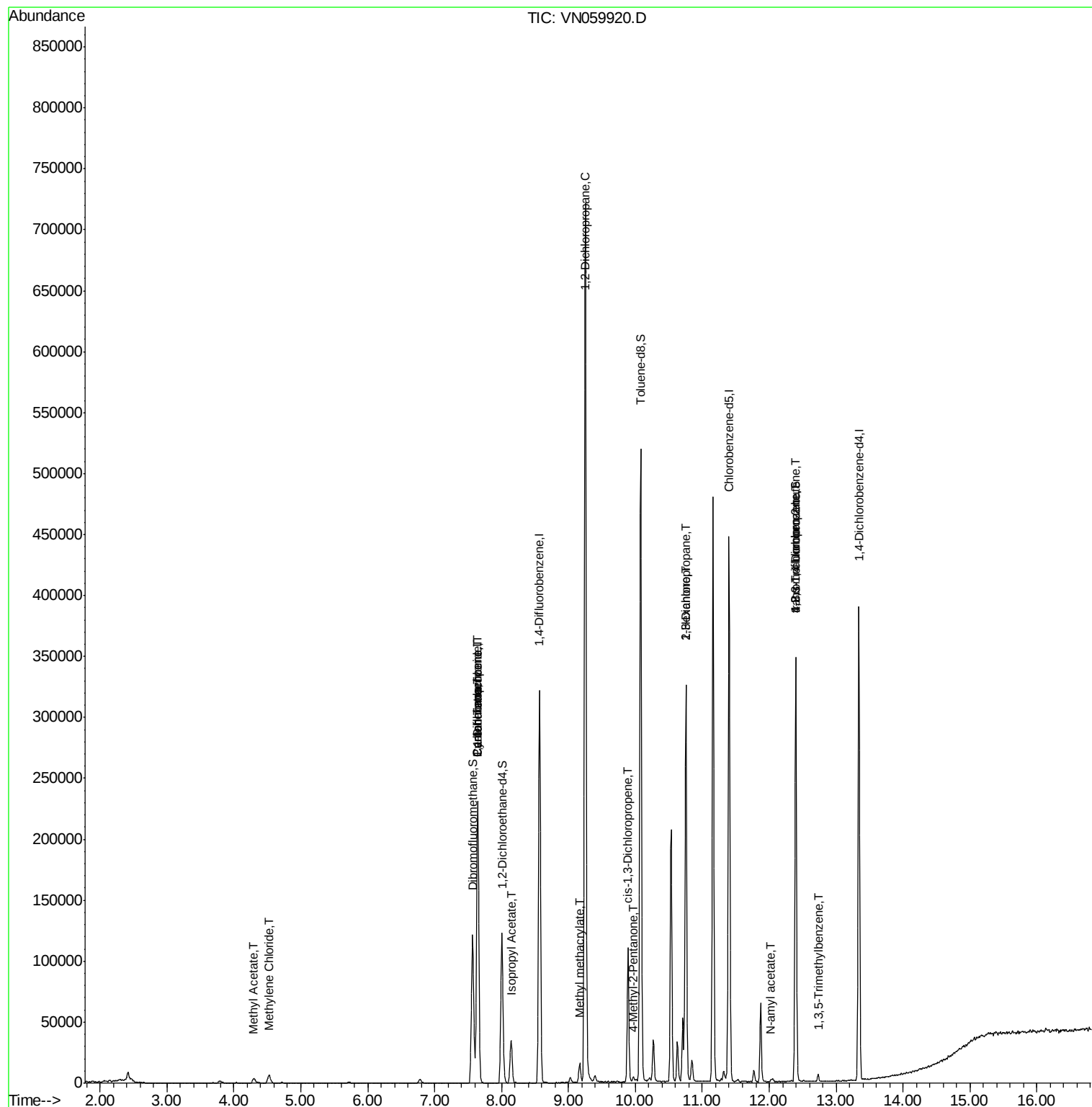
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3580	Below Cal	#	86
18) Methyl Acetate	4.30	43	7254	2.791	ug/l #	83
20) Methylene Chloride	4.52	84	5778	1.618	ug/l	89
31) Cyclohexane	7.65	56	3585	1.089	ug/l #	6
36) 1,1-Dichloropropene	7.64	75	13324	5.087	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18056	6.338	ug/l #	17
43) Isopropyl Acetate	8.14	43	42233	9.995	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	956	0.495	ug/l #	44
48) Methyl methacrylate	9.16	41	2204	1.166	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	2609	1.068	ug/l	96
54) cis-1,3-Dichloropropene	9.89	75	21556	6.678	ug/l #	56
57) 1,3-Dichloropropane	10.75	76	3490	1.125	ug/l #	42
59) 2-Hexanone	10.75	43	44968	24.990	ug/l #	54
74) N-amyl acetate	12.03	43	1781	0.580	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	58113	32.020	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3609	0.543	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	58113	68.764	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	69	Below Cal	#	6

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

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Quant Method : Z:\V0ASRV\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: VN059920.D

Acq: 29 Jan 2020 18:17

Instrument :

MSVOA_N

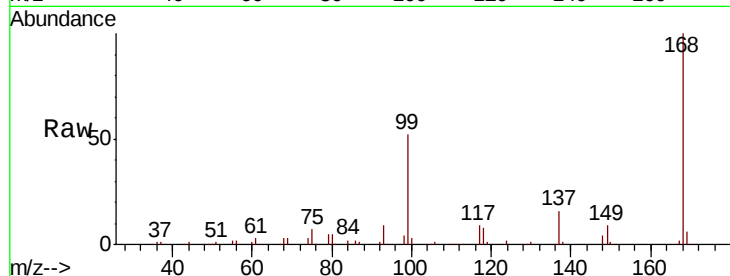
ClientSampleId :

Tot Ion:168 Resp: 200381

Ion Ratio Lower Upper

168 100

99 51.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059920.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059920.D (-1732) (-)

7.64

80000

60000

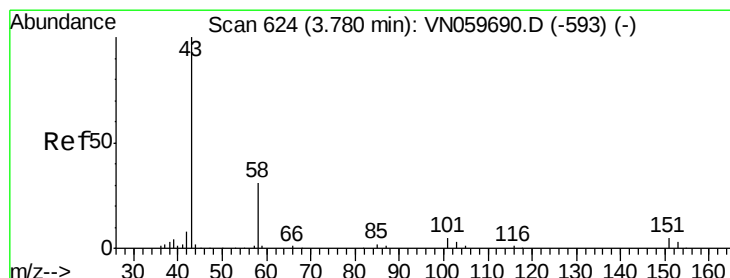
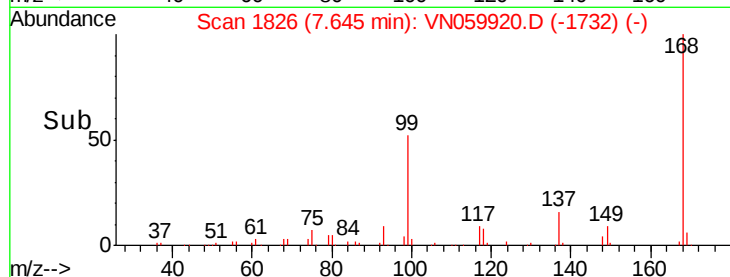
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059920.D

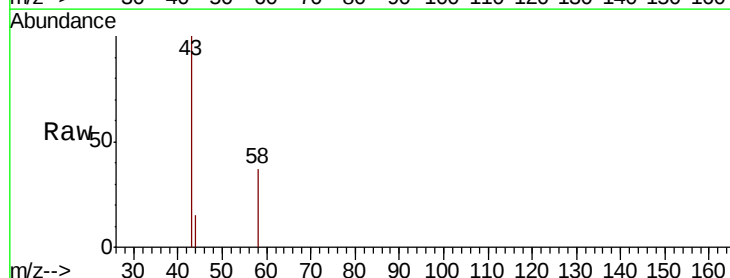
Acq: 29 Jan 2020 18:17

Tgt Ion: 43 Resp: 3580

Ion Ratio Lower Upper

43 100

58 36.8 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN059920.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN059920.D (-530) (-)

3.79

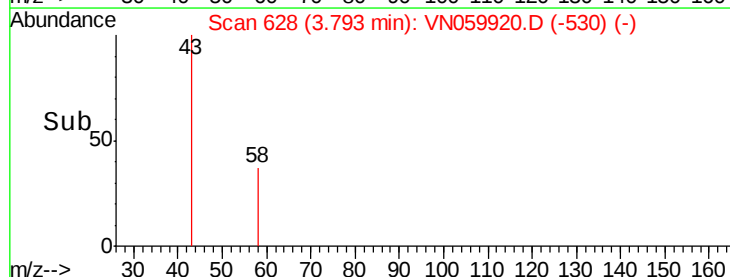
1000

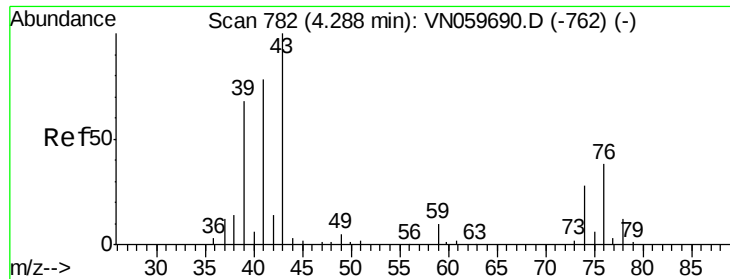
500

0

3.75 3.80 3.85

Time-->

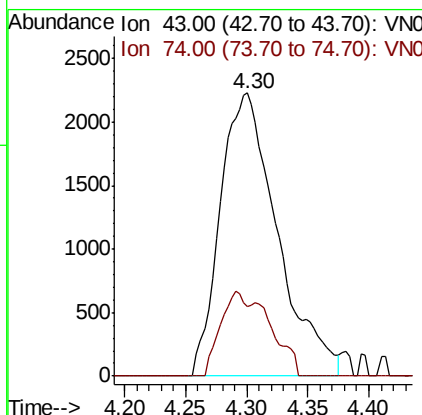
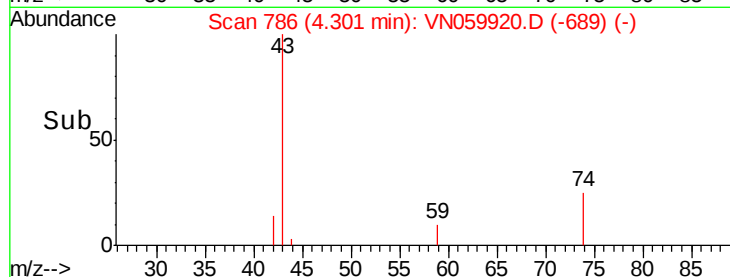
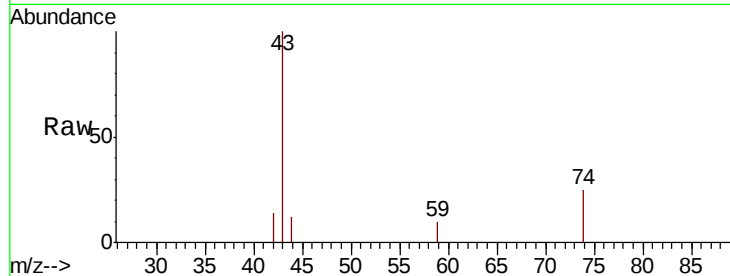




#18
Methyl Acetate
Concen: 2.791 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059920.D
Acq: 29 Jan 2020 18:17

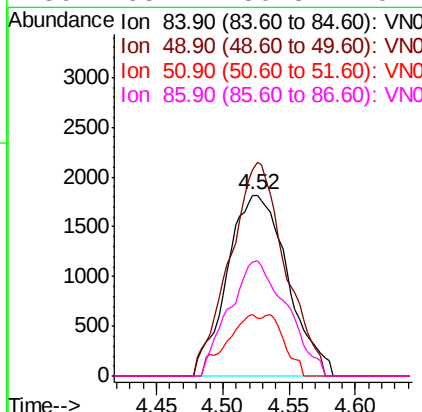
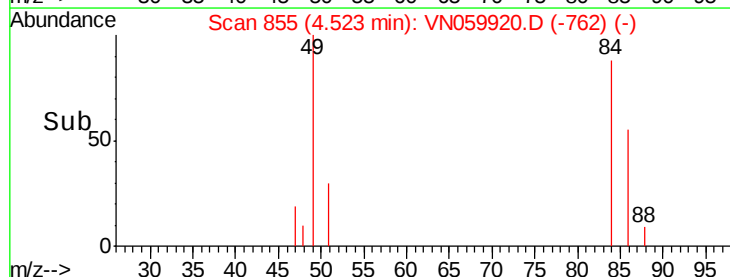
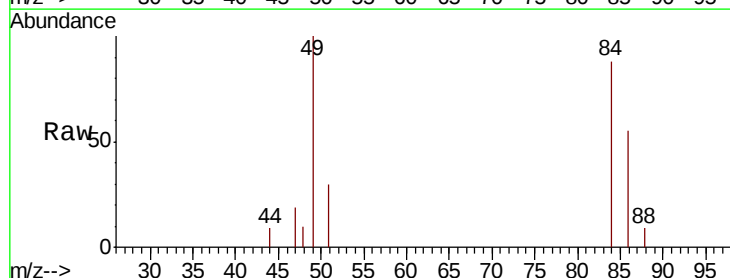
Instrument :
MSVOA_N
ClientSampled :

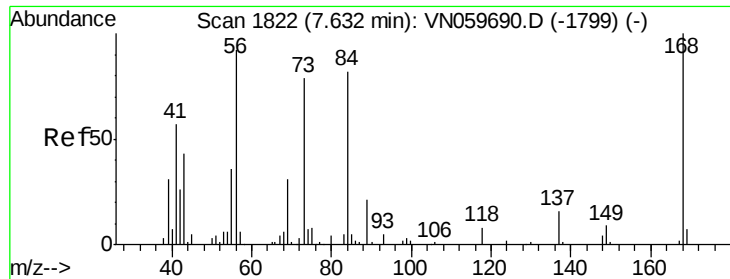
Tot Ion: 43 Resp: 7254
Ion Ratio Lower Upper
43 100
74 13.8 17.5 26.3#



#20
Methylene Chloride
Concen: 1.618 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059920.D
Acq: 29 Jan 2020 18:17

Tgt Ion: 84 Resp: 5778
Ion Ratio Lower Upper
84 100
49 114.0 106.6 160.0
51 33.7 31.9 47.9
86 63.1 50.8 76.2

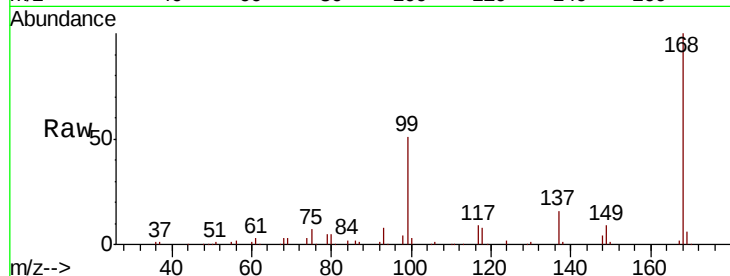




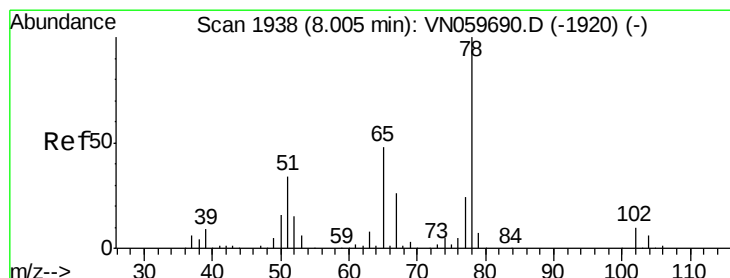
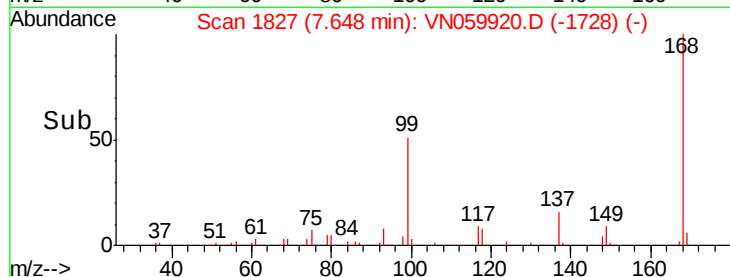
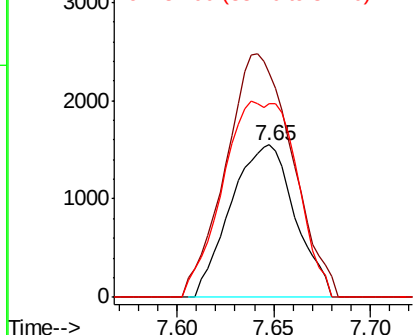
#31
Cyclohexane
Concen: 1.089 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.02 min
Lab File: VN059920.D
Acq: 29 Jan 2020 18:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3585
Ion Ratio Lower Upper
56 100
69 147.1 26.5 39.7#
84 127.2 65.3 97.9#

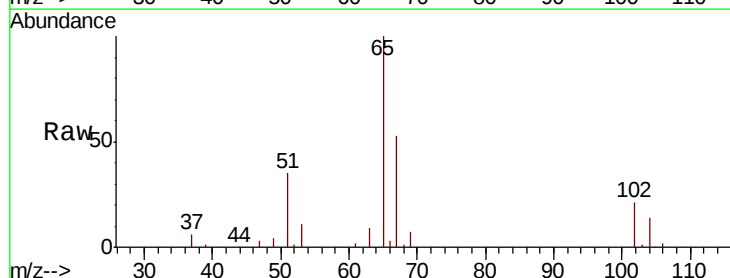


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

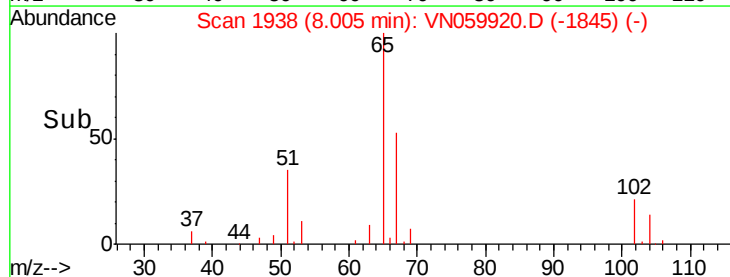
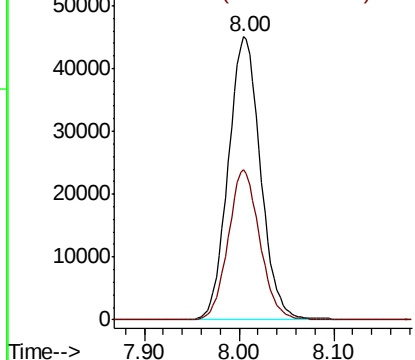


#33
1,2-Dichloroethane-d4
Concen: 47.911 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059920.D
Acq: 29 Jan 2020 18:17

Tgt Ion: 65 Resp: 106616
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

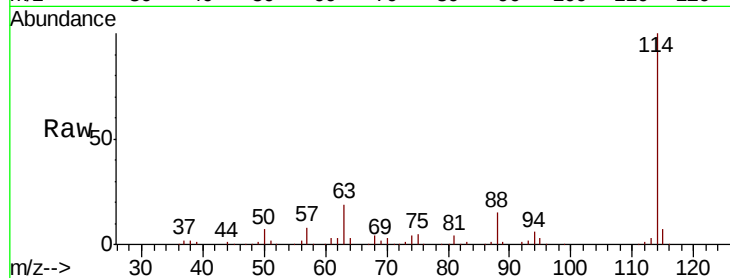




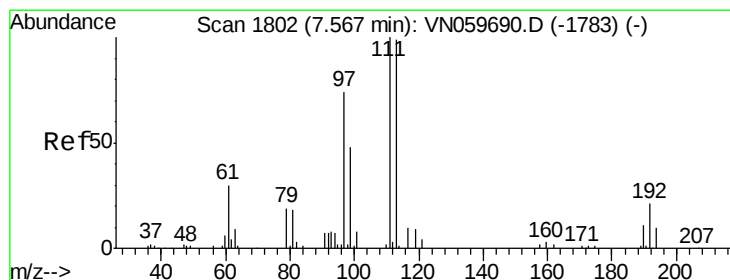
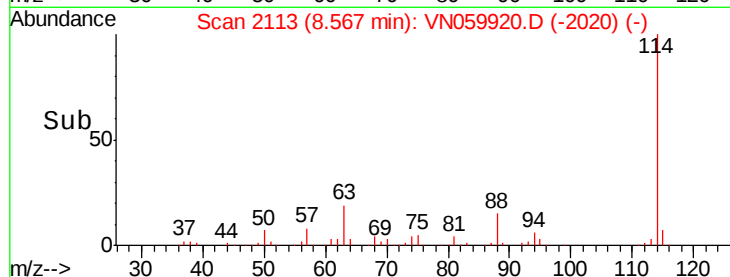
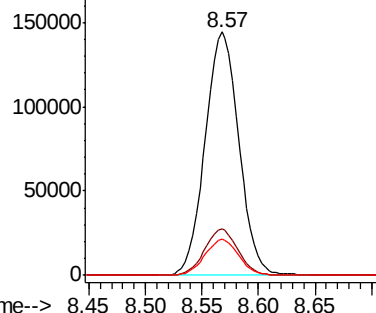
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN059920.D
Acq: 29 Jan 2020 18:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 300760
Ion Ratio Lower Upper
114 100
63 18.9 0.0 43.6
88 14.8 0.0 31.4

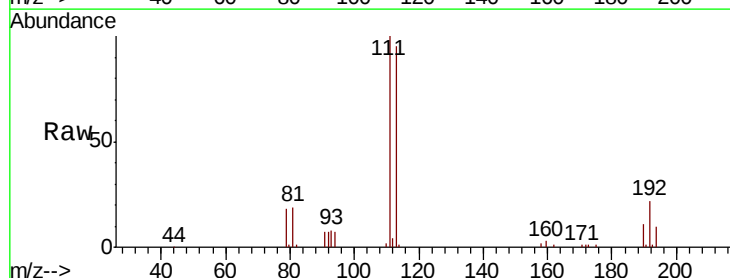


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

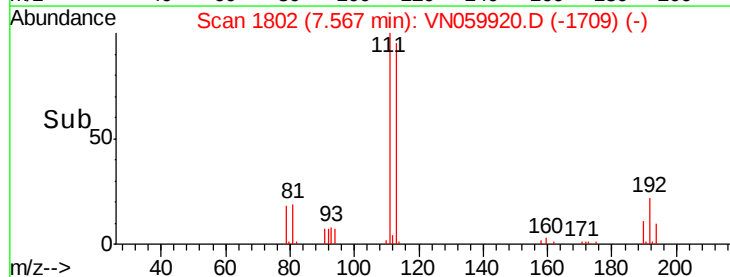
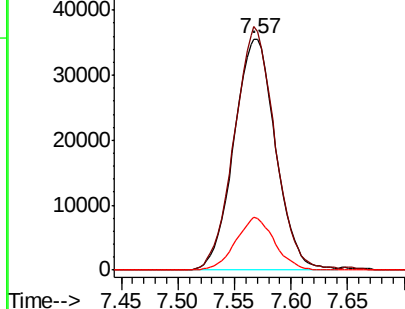


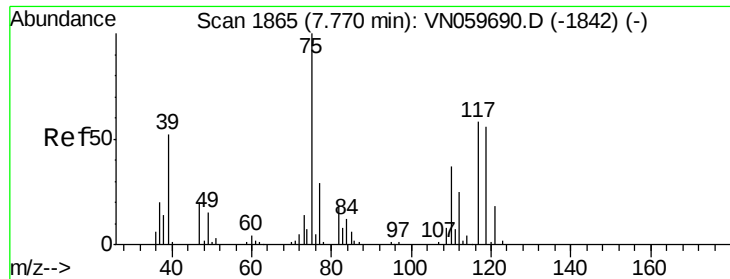
#35
Dibromofluoromethane
Concen: 50.806 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059920.D
Acq: 29 Jan 2020 18:17

Tgt Ion:113 Resp: 91123
Ion Ratio Lower Upper
113 100
111 102.5 83.5 125.3
192 21.2 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

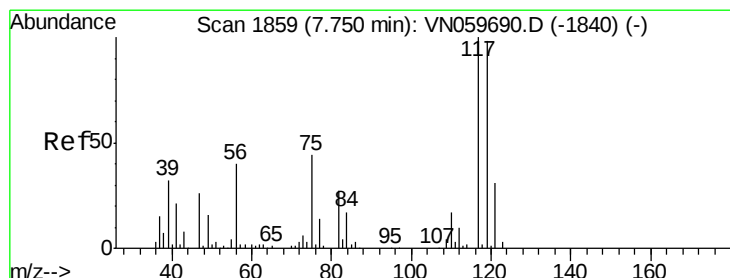
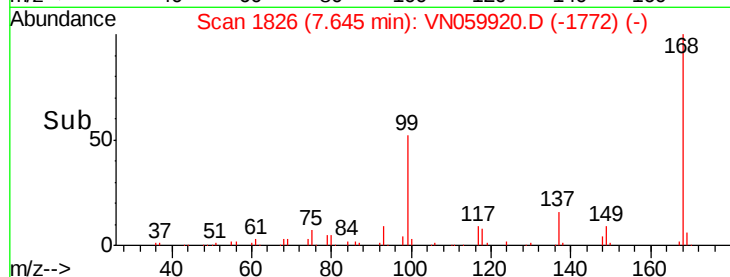
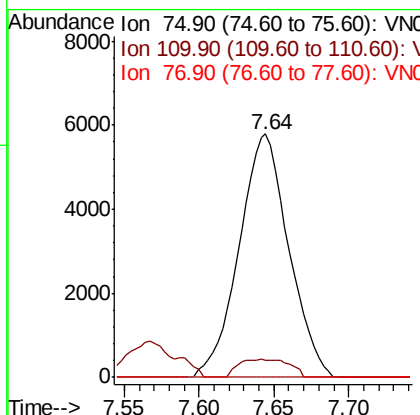
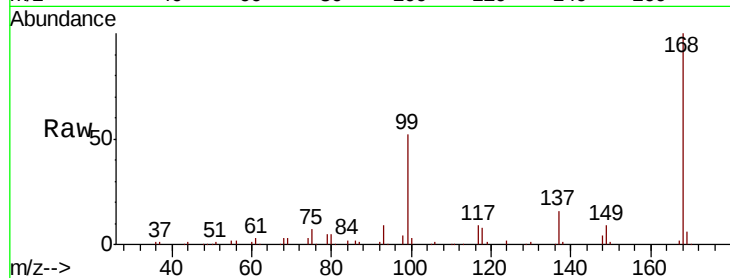




#36
 1,1-Dichloropropene
 Concen: 5.087 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059920.D
 Acq: 29 Jan 2020 18:17

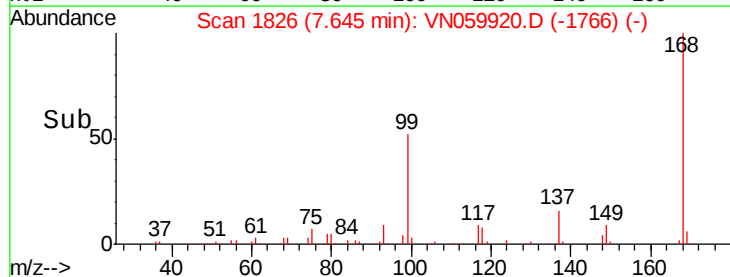
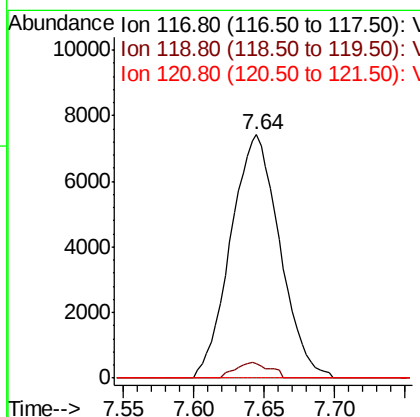
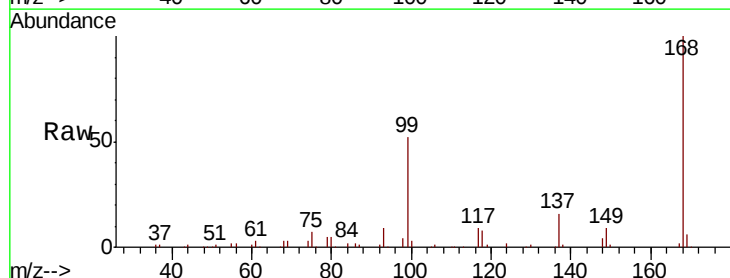
Instrument :
 MSVOA_N
 ClientSampleId :

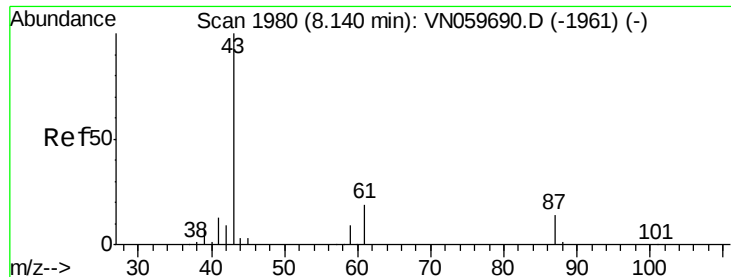
Tot Ion	75	Resp	13324
Ion Ratio	Lower	Upper	
75	100		
110	7.6	16.6	49.7#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.338 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059920.D
 Acq: 29 Jan 2020 18:17

Tgt Ion	117	Resp	18056
Ion Ratio	Lower	Upper	
117	100		
119	6.0	76.5	114.7#
121	0.0	25.1	37.7#





#43

Isopropyl Acetate

Concen: 9.995 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059920.D

Acq: 29 Jan 2020 18:17

Instrument :

MSVOA_N

ClientSampleId :

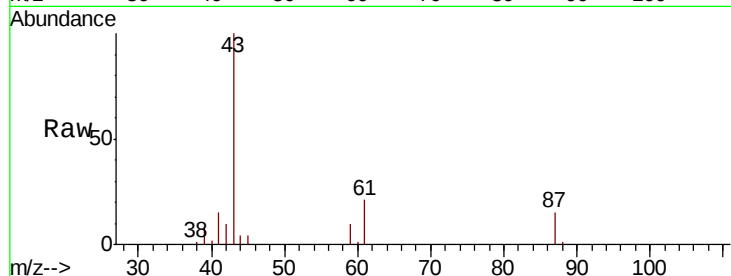
Tot Ion: 43 Resp: 42233

Ion Ratio Lower Upper

43 100

61 19.9 20.2 30.2#

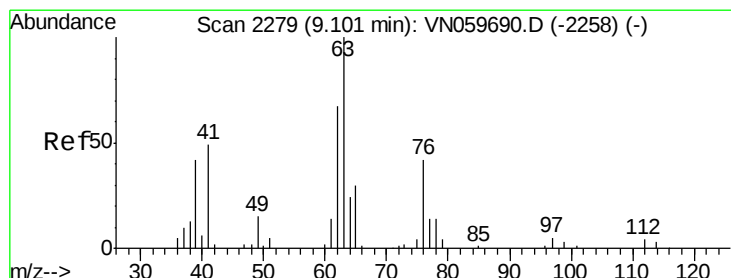
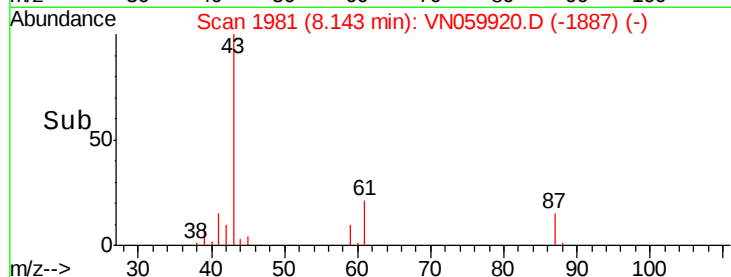
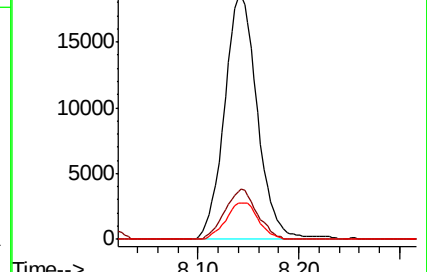
87 14.7 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059920.D (-2186) (-)

Ion 61.00 (60.70 to 61.70): VN059920.D (-2186) (-)

Ion 87.00 (86.70 to 87.70): VN059920.D (-2186) (-)



#45

1,2-Dichloropropane

Concen: 0.495 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN059920.D

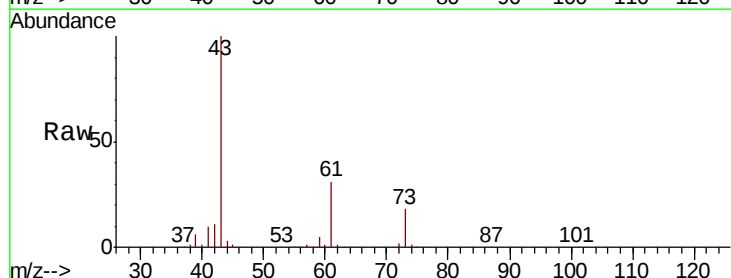
Acq: 29 Jan 2020 18:17

Tgt Ion: 63 Resp: 956

Ion Ratio Lower Upper

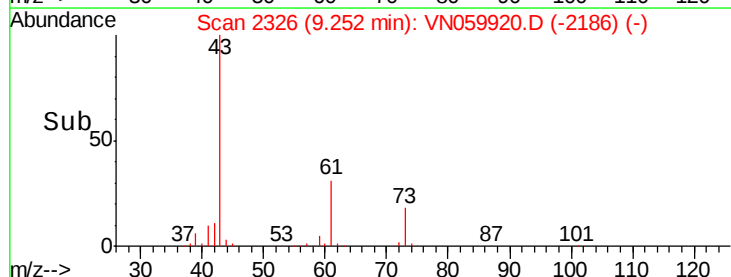
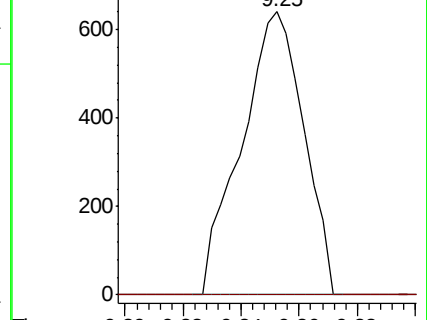
63 100

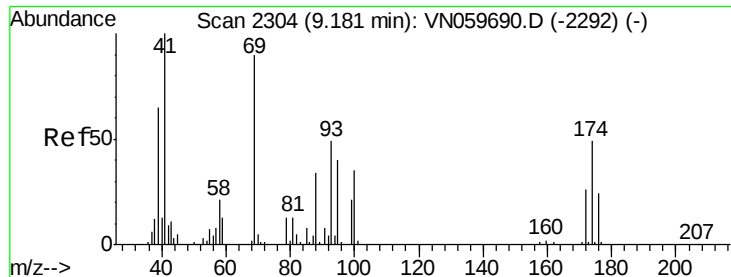
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN059920.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN059920.D (-2186) (-)

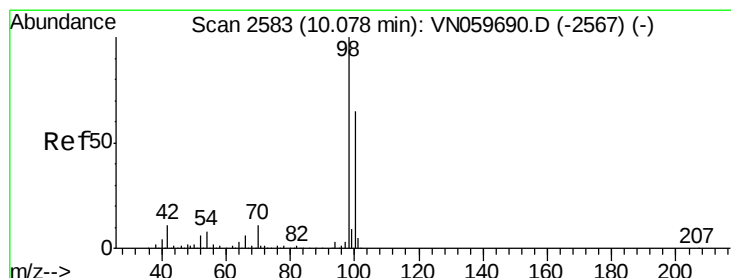
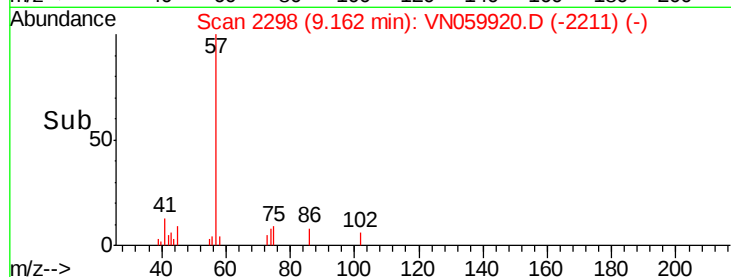
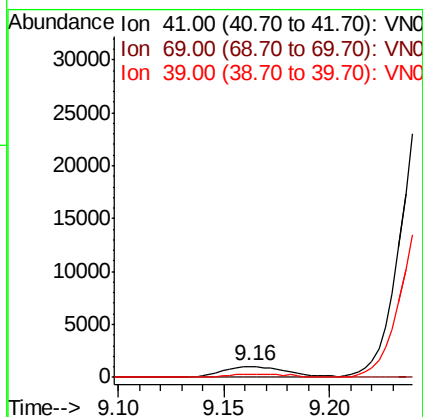
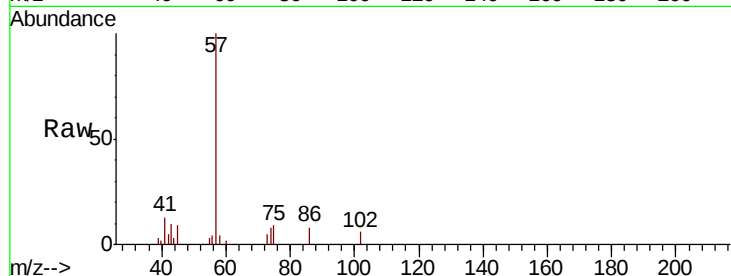




#48
Methvl methacrylate
Concen: 1.166 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN059920.D
Acq: 29 Jan 2020 18:17

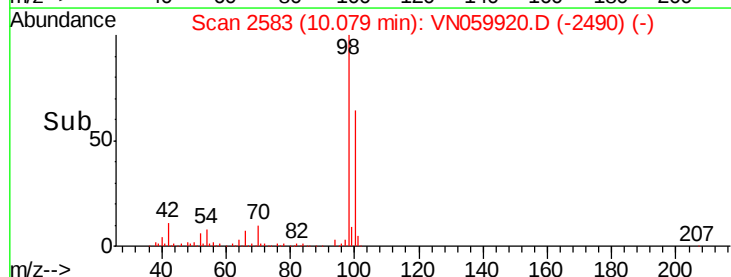
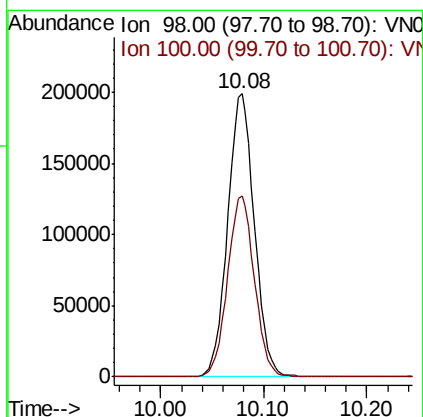
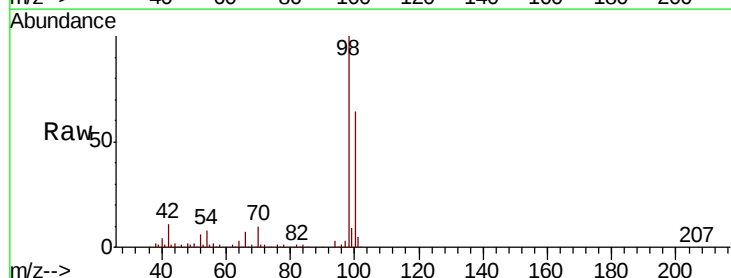
Instrument :
MSVOA_N
ClientSampled :

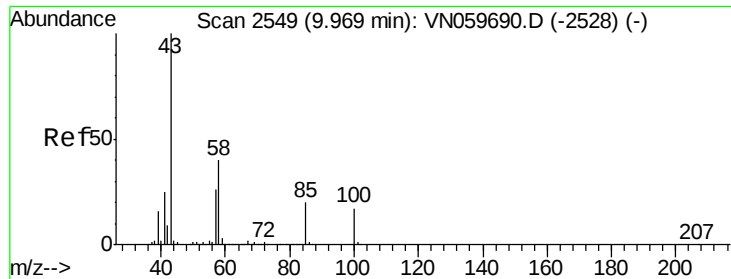
Tot Ion: 41 Resp: 2204
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 51.701 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059920.D
Acq: 29 Jan 2020 18:17

Tgt Ion: 98 Resp: 359280
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8

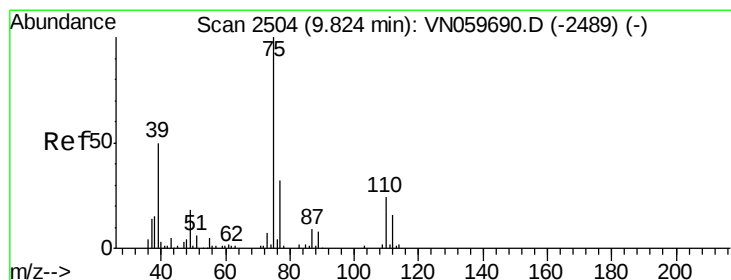
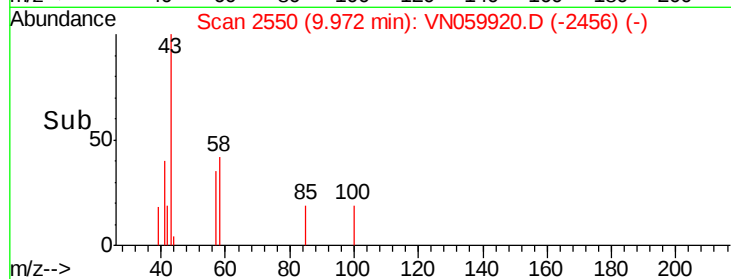
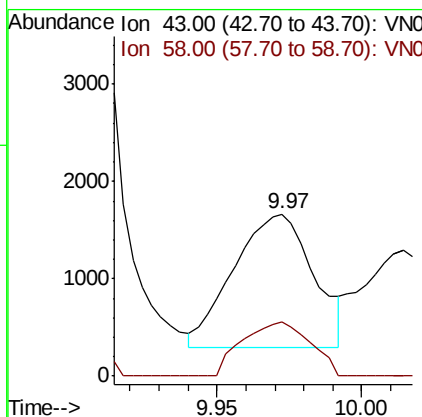
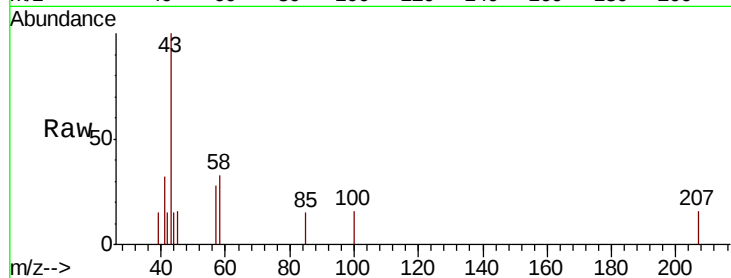




#51
 4-Methyl-2-Pentanone
 Concen: 1.068 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059920.D
 Acq: 29 Jan 2020 18:17

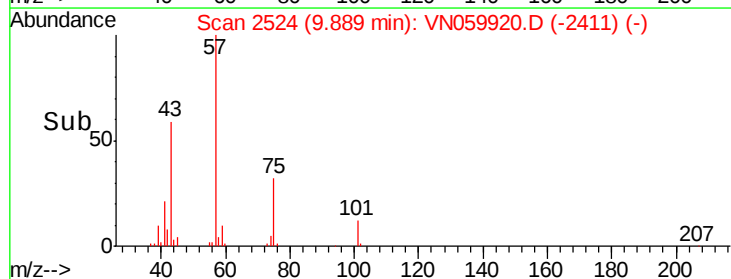
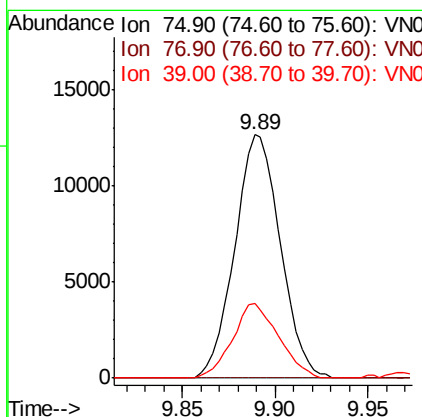
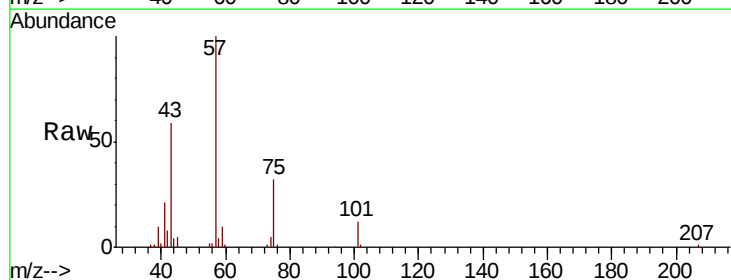
Instrument :
 MSVOA_N
 ClientSampled :

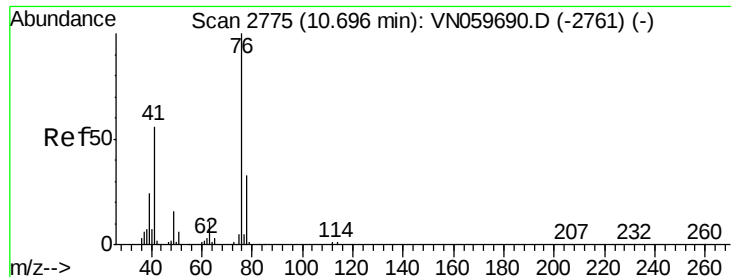
Tot Ion: 43 Resp: 2609
 Ion Ratio Lower Upper
 43 100
 58 34.6 29.8 44.8



#54
 cis-1,3-Dichloropropene
 Concen: 6.678 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN059920.D
 Acq: 29 Jan 2020 18:17

Tgt Ion: 75 Resp: 21556
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 30.8 46.1 69.1#





#57

1,3-Dichloropropane

Concen: 1.125 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN059920.D

Acq: 29 Jan 2020 18:17

Instrument :

MSVOA_N

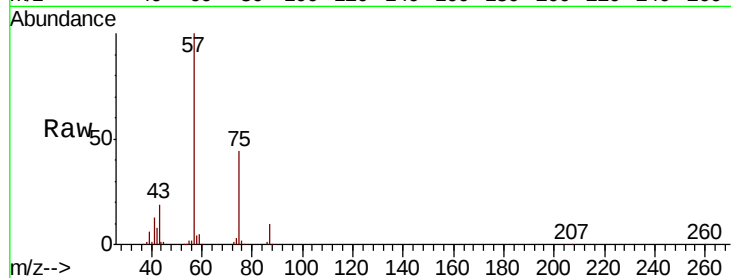
ClientSampleId :

Tot Ion: 76 Resp: 3490

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

10.75

2500

2000

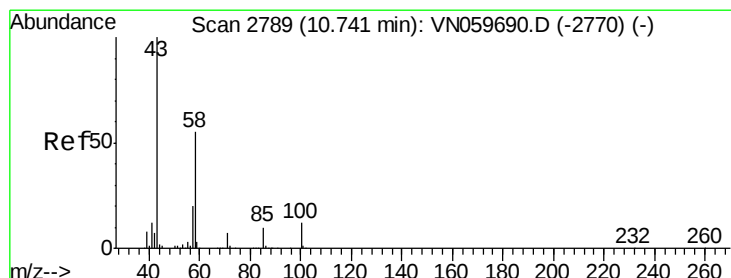
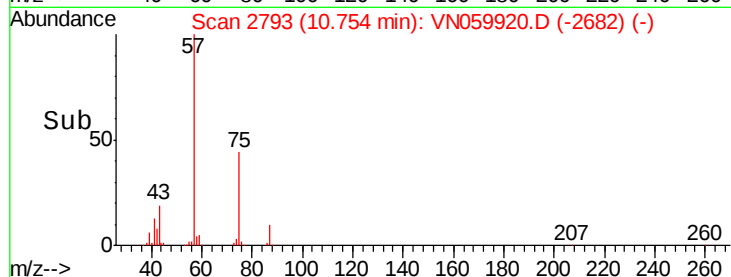
1500

1000

500

0

Time--> 10.70 10.75 10.80



#59

2-Hexanone

Concen: 24.990 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN059920.D

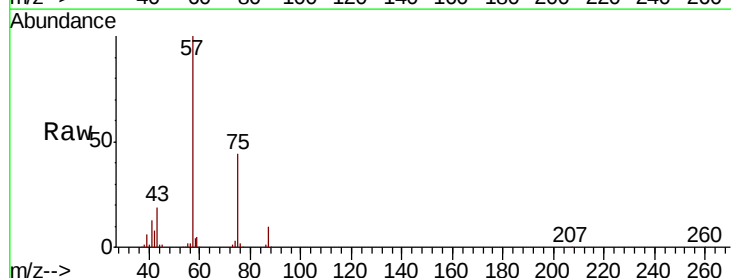
Acq: 29 Jan 2020 18:17

Tgt Ion: 43 Resp: 44968

Ion Ratio Lower Upper

43 100

58 19.5 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

30000

25000

20000

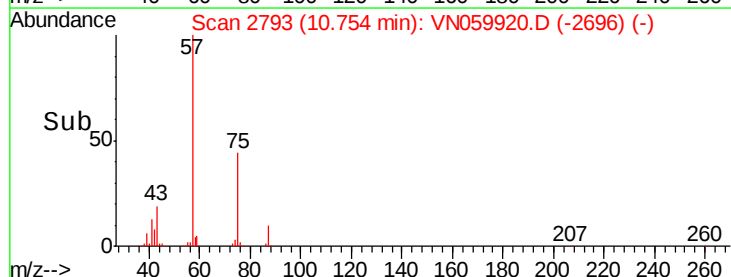
15000

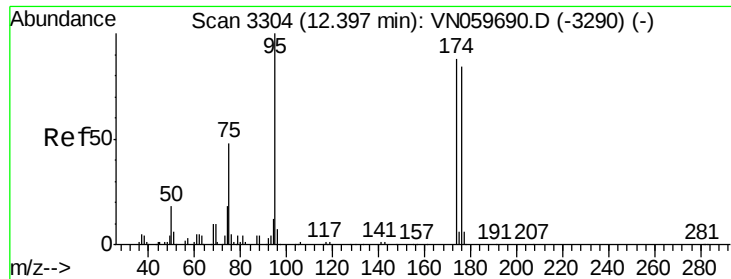
10000

5000

0

Time--> 10.70 10.75 10.80





#62

4-Bromofluorobenzene

Concen: 46.313 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059920.D

Acq: 29 Jan 2020 18:17

Instrument :

MSVOA_N

ClientSampleId :

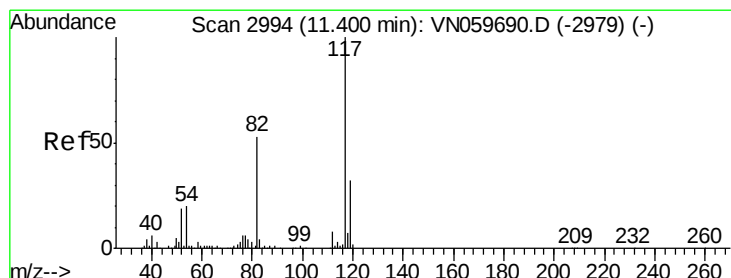
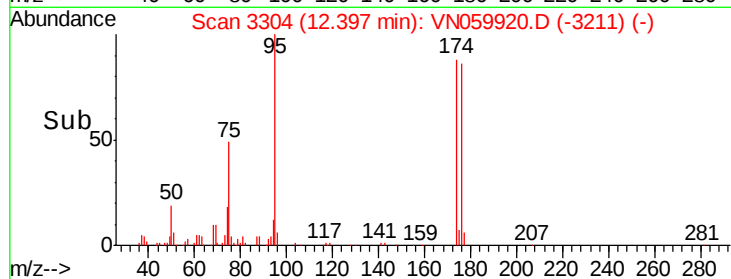
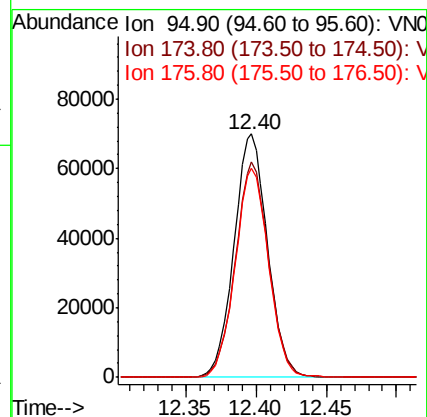
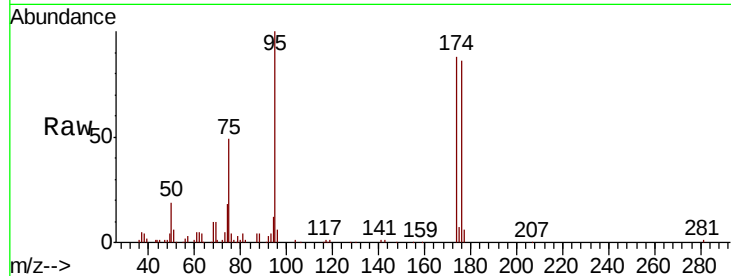
Tot Ion: 95 Resp: 116023

Ion Ratio Lower Upper

95 100

174 88.3 0.0 151.4

176 86.1 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: VN059920.D

Acq: 29 Jan 2020 18:17

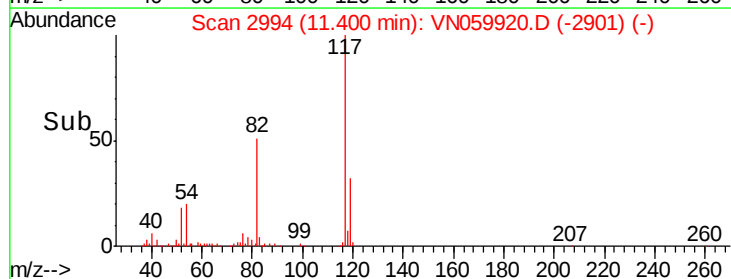
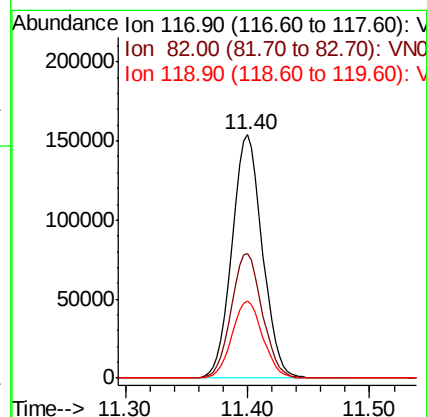
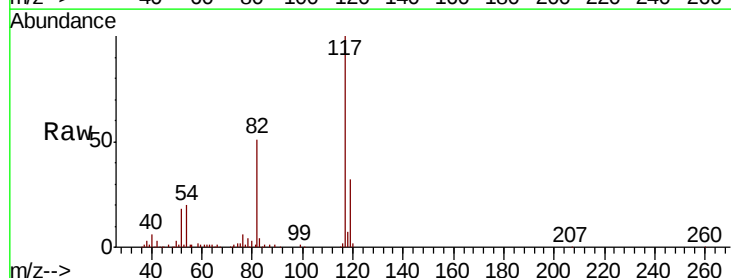
Tgt Ion: 117 Resp: 267614

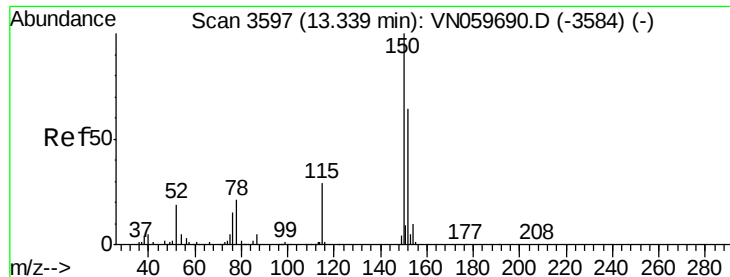
Ion Ratio Lower Upper

117 100

82 51.4 45.9 68.9

119 31.5 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059920.D

Acq: 29 Jan 2020 18:17

Instrument :

MSVOA_N

ClientSampleId :

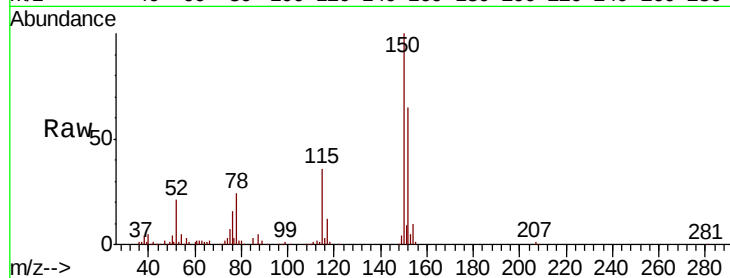
Tot Ion:152 Resp: 107842

Ion Ratio Lower Upper

152 100

115 56.9 30.3 90.9

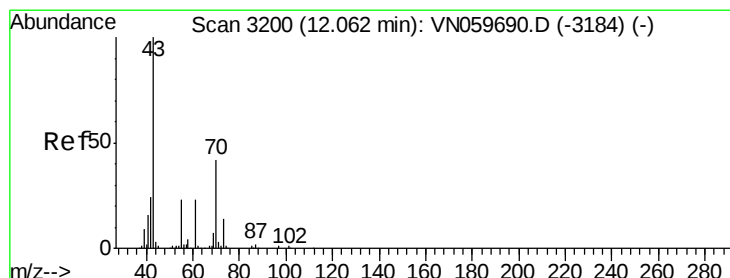
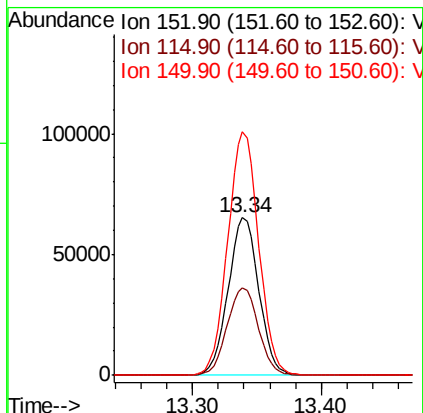
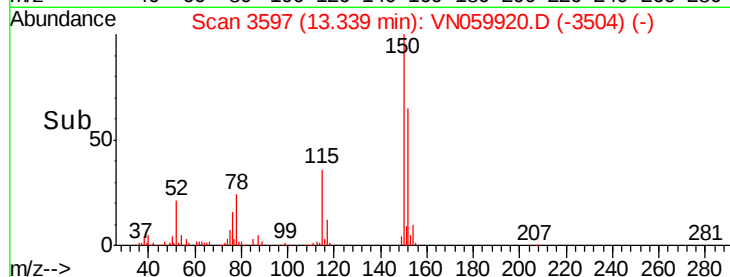
150 155.2 0.0 345.2



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: 0.580 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059920.D

Acq: 29 Jan 2020 18:17

Tgt Ion: 43 Resp: 1781

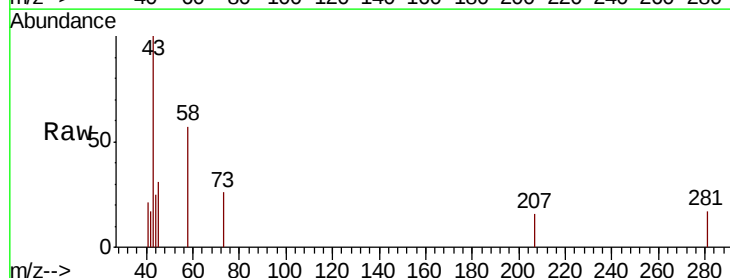
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

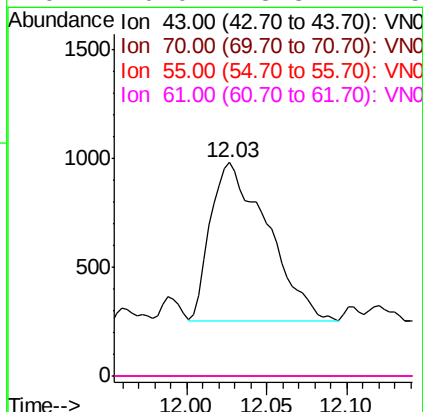
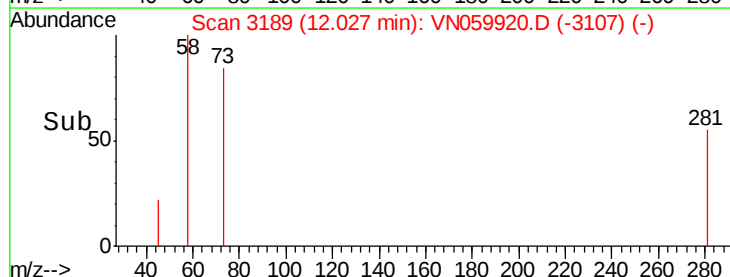


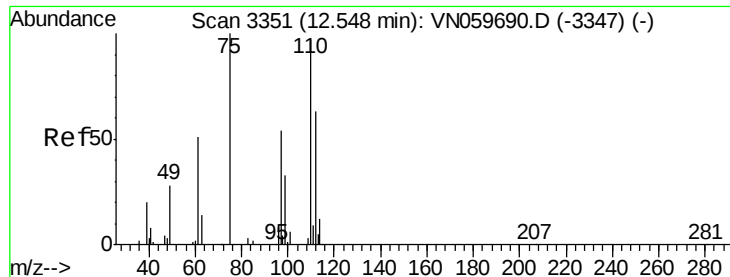
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 32.020 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059920.D

Acq: 29 Jan 2020 18:17

Instrument :

MSVOA_N

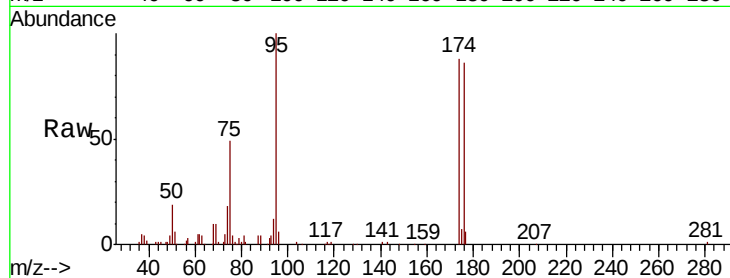
ClientSampleId :

Tot Ion: 75 Resp: 58113

Ion Ratio Lower Upper

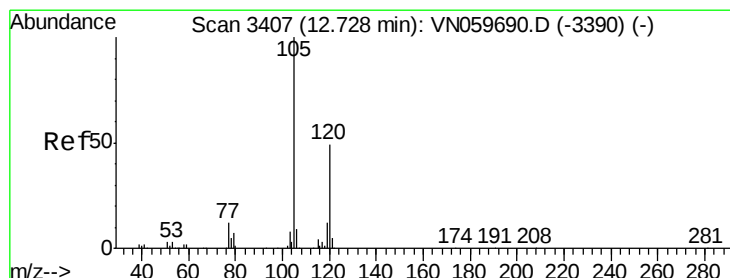
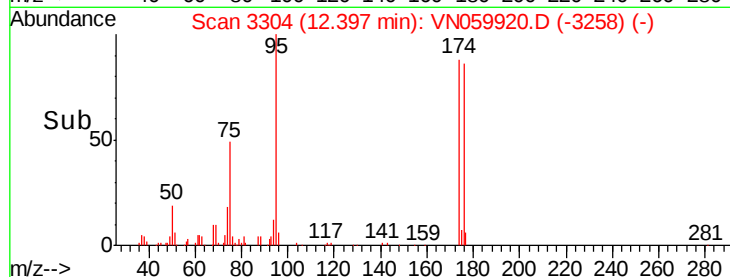
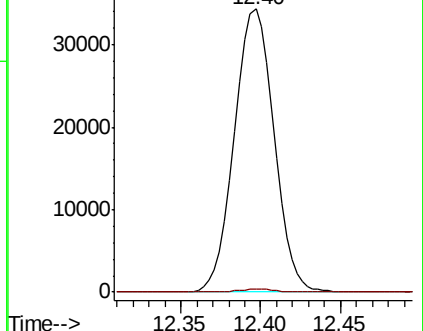
75 100

77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN059920.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN059920.D (-3304) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.543 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059920.D

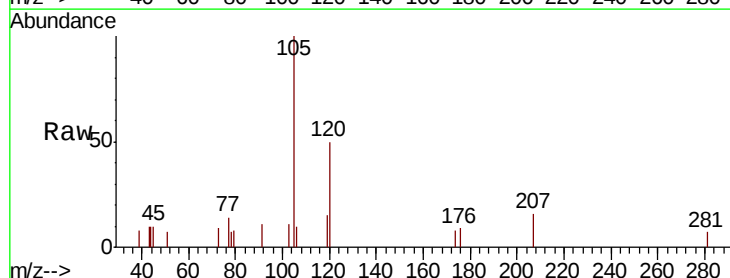
Acq: 29 Jan 2020 18:17

Tgt Ion: 105 Resp: 3609

Ion Ratio Lower Upper

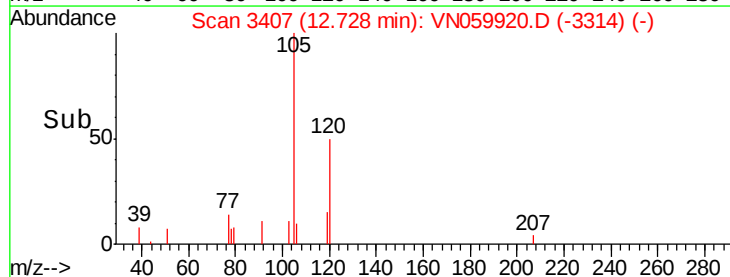
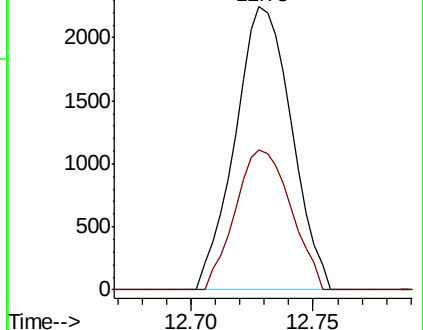
105 100

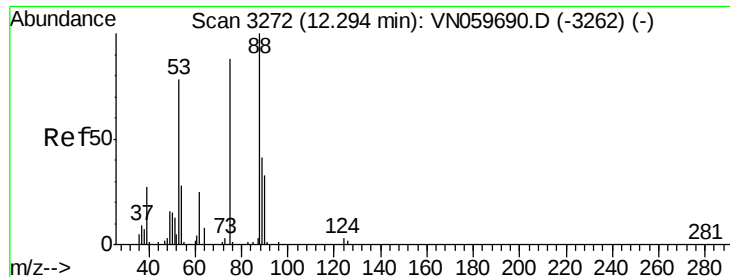
120 48.8 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059920.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN059920.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 68.764 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059920.D

Acq: 29 Jan 2020 18:17

Instrument :

MSVOA_N

ClientSampleId :

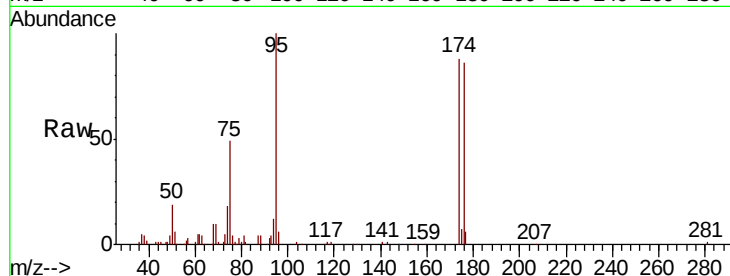
Tot Ion: 75 Resp: 58113

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

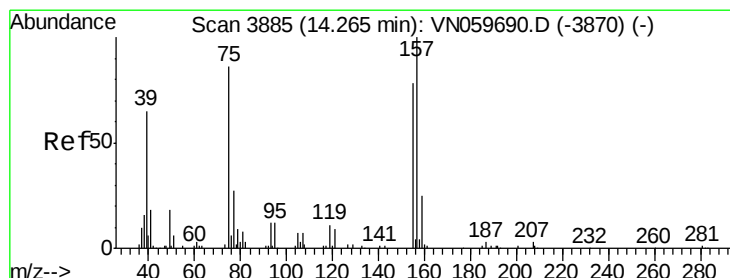
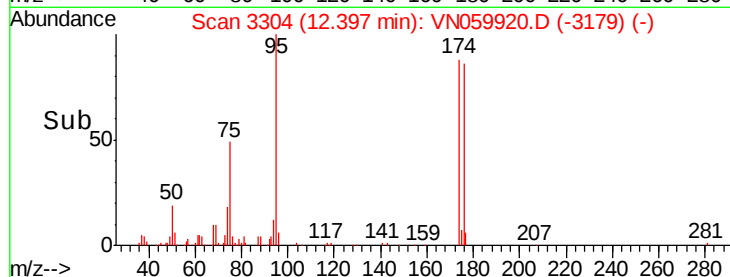
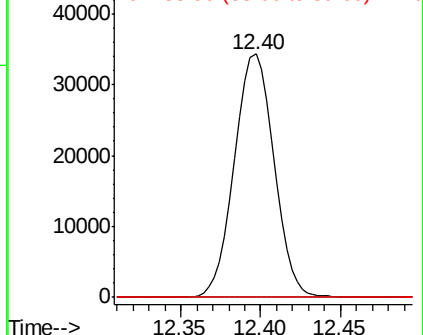
89 0.0 35.4 53.2#



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: 14.26 min Scan# 3882

Delta R.T. -0.01 min

Lab File: VN059920.D

Acq: 29 Jan 2020 18:17

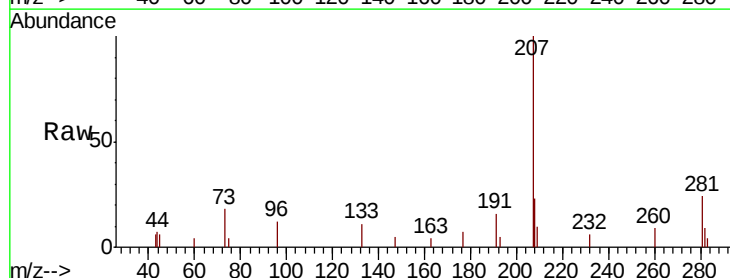
Tgt Ion: 75 Resp: 69

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

