

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012720\
 Data File : VN059875.D
 Acq On : 27 Jan 2020 16:16
 Operator : JC/MD
 Sample : L1017-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 27 23:11:05 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	218971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	326757	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	285353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	115893	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	115001	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
35) Dibromofluoromethane	7.56	113	98670	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
50) Toluene-d8	10.08	98	382122	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.40	95	125047	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	

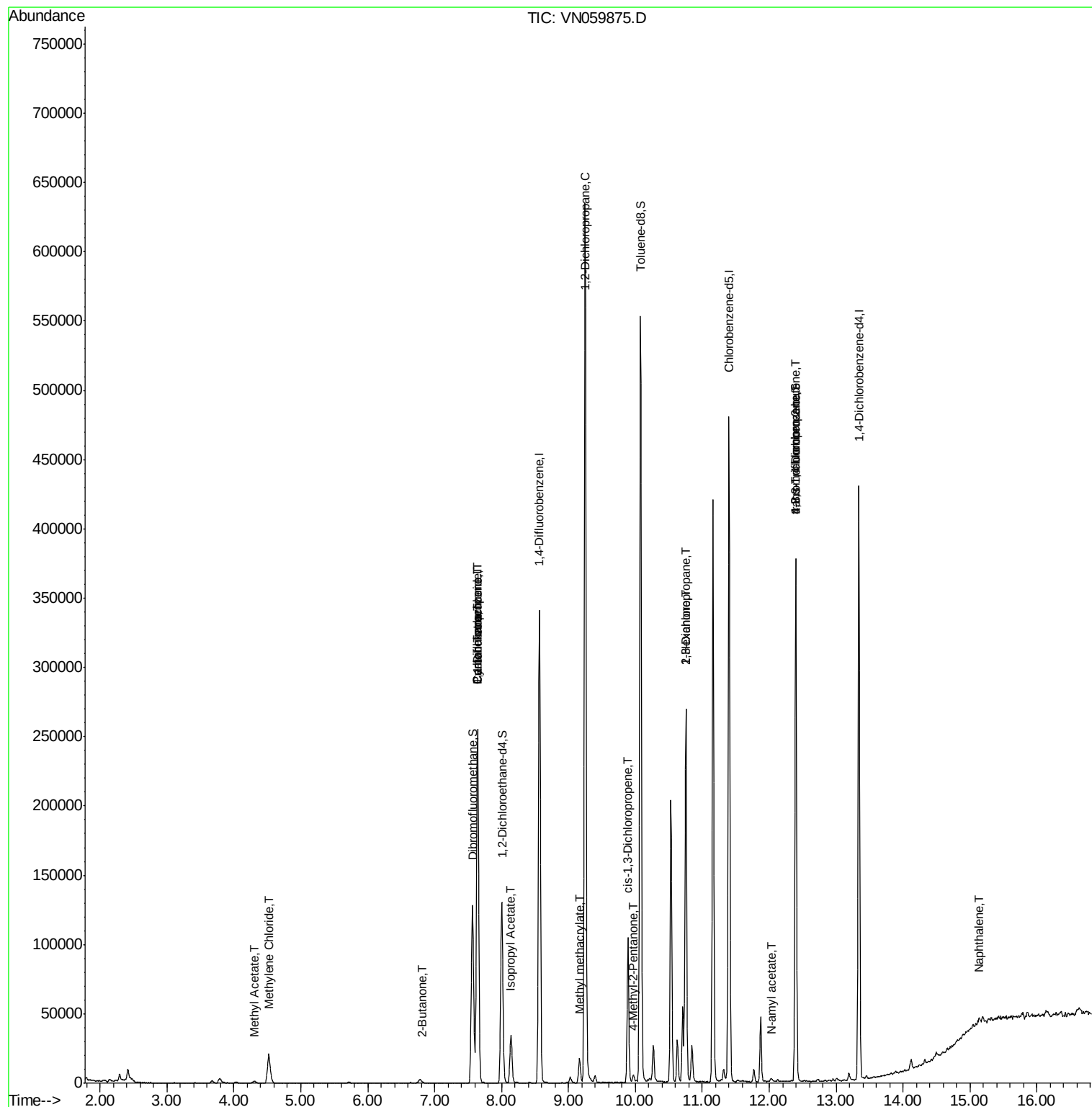
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6460	Below Cal		97
18) Methyl Acetate	4.30	43	2827	0.995	ug/l #	86
20) Methylene Chloride	4.52	84	16446	6.345	ug/l	88
25) 2-Butanone	6.82	43	303	0.220	ug/l #	50
31) Cyclohexane	7.64	56	3732	1.037	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14323	5.034	ug/l #	52
38) Carbon Tetrachloride	7.64	117	20128	6.503	ug/l #	16
43) Isopropyl Acetate	8.14	43	41536	9.048	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	762	0.363	ug/l #	44
48) Methyl methacrylate	9.16	41	3029	1.475	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4220	1.590	ug/l	92
54) cis-1,3-Dichloropropene	9.89	75	19817	5.651	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	2792	0.828	ug/l #	42
59) 2-Hexanone	10.75	43	37042	18.948	ug/l #	56
74) N-amyl acetate	12.02	43	2009	0.609	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	63062	32.333	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	63062	69.436	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.28	75	30	Below Cal	#	6
95) Naphthalene	15.13	128	4218	0.668	ug/l #	94

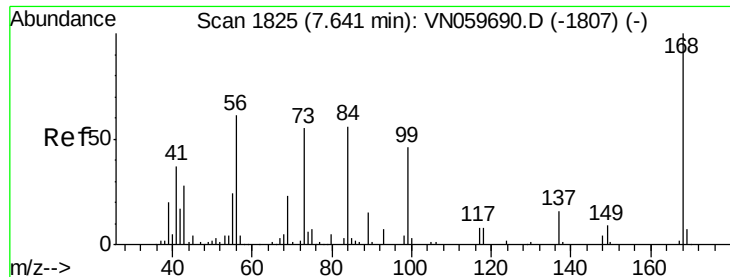
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN059875.D
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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# 1825

Delta R.T. 0.00 min

Lab File: VN059875.D

Acq: 27 Jan 2020 16:16

Instrument :

MSVOA_N

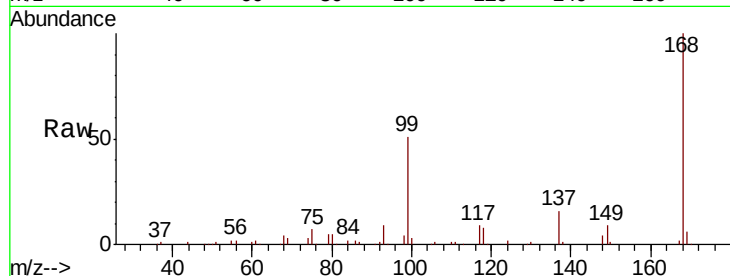
ClientSampled :

Tot Ion:168 Resp: 218971

Ion Ratio Lower Upper

168 100

99 51.4 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

100000

80000

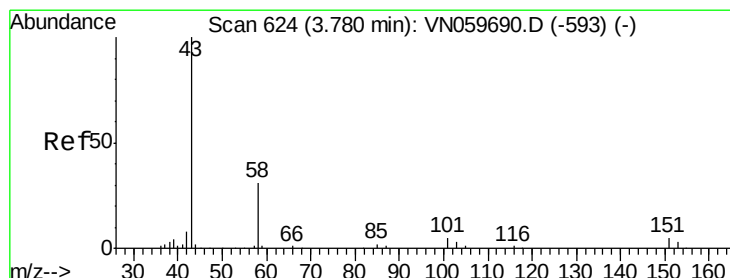
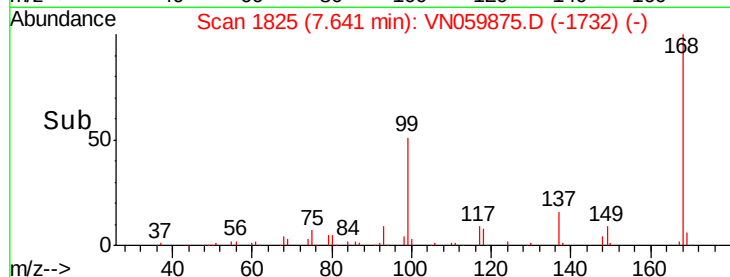
60000

40000

20000

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN059875.D

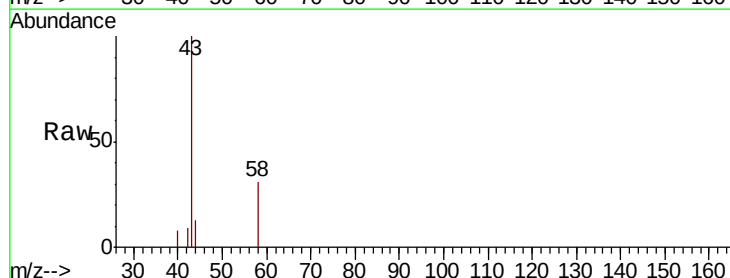
Acq: 27 Jan 2020 16:16

Tgt Ion: 43 Resp: 6460

Ion Ratio Lower Upper

43 100

58 31.0 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

2500

2000

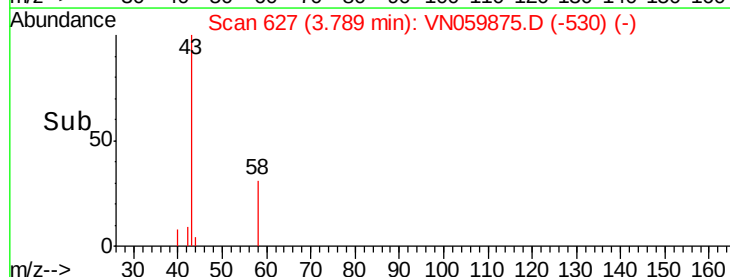
1500

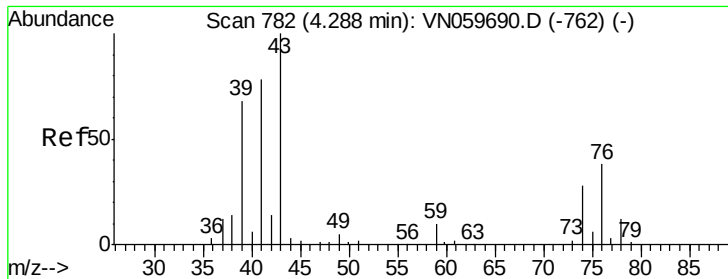
1000

500

0

Time-->

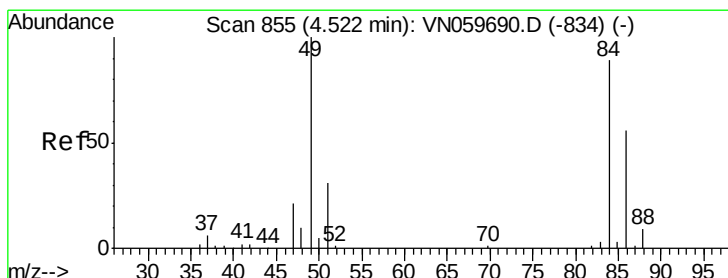
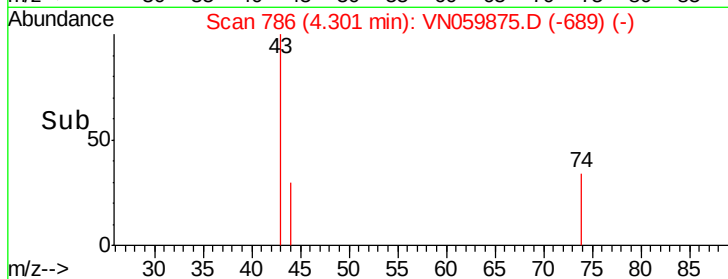
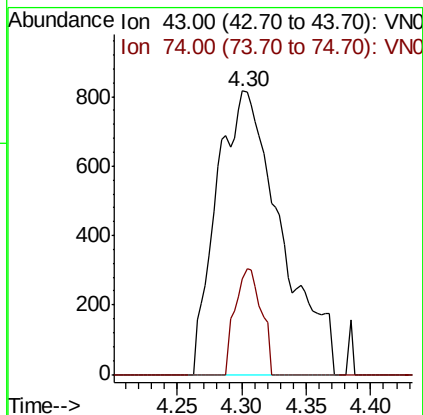
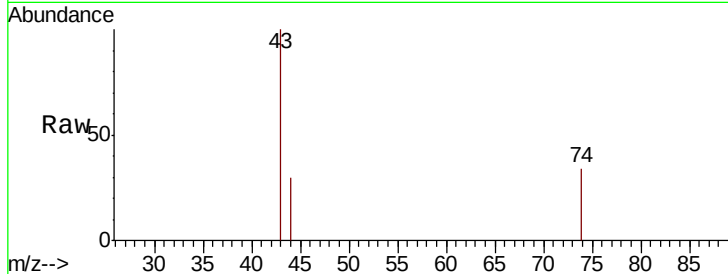




#18
Methvl Acetate
Concen: 0.995 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059875.D
Acq: 27 Jan 2020 16:16

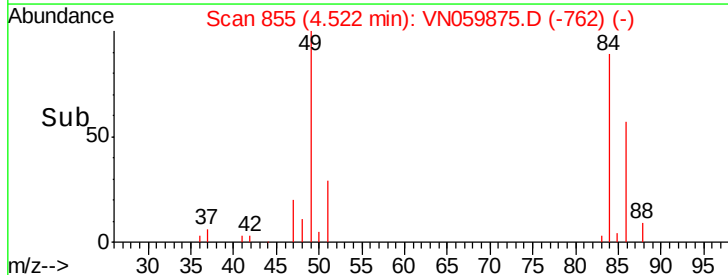
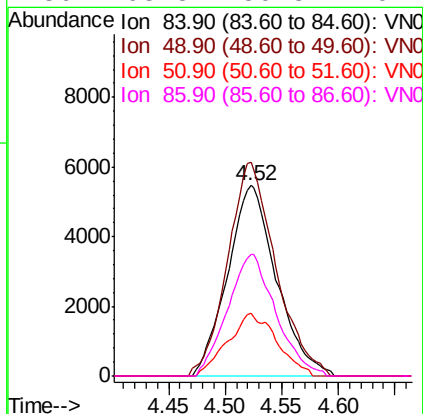
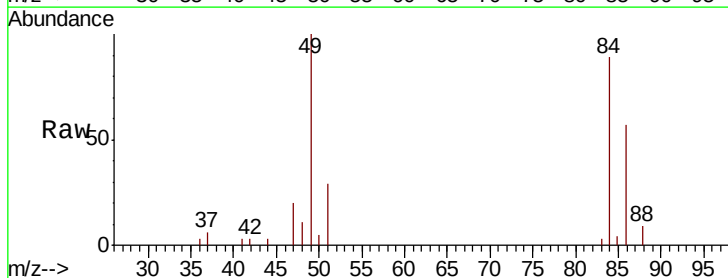
Instrument :
MSVOA_N
ClientSampleId :

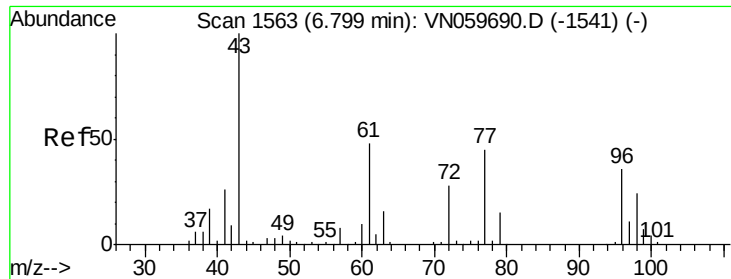
Tot Ion: 43 Resp: 2827
Ion Ratio Lower Upper
43 100
74 15.1 17.5 26.3#



#20
Methylene Chloride
Concen: 6.345 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059875.D
Acq: 27 Jan 2020 16:16

Tgt Ion: 84 Resp: 16446
Ion Ratio Lower Upper
84 100
49 112.2 106.6 160.0
51 33.1 31.9 47.9
86 63.8 50.8 76.2

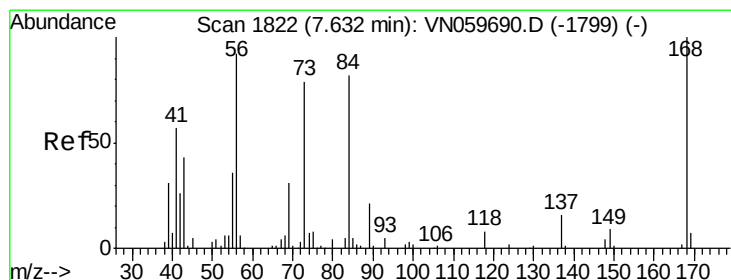
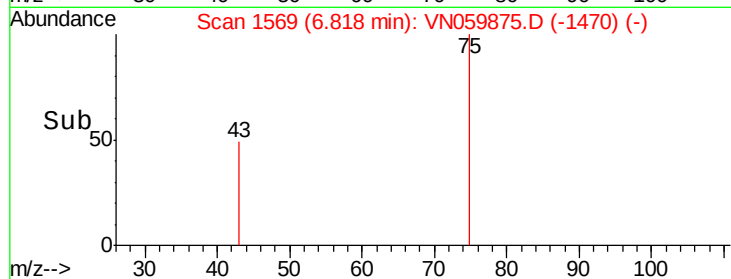
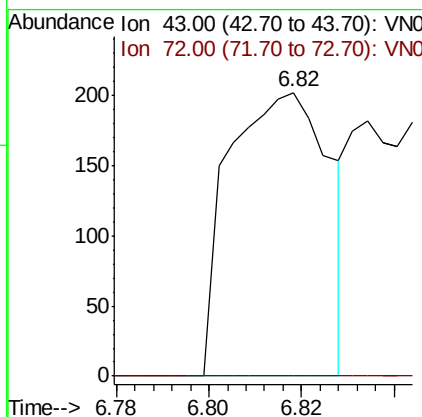
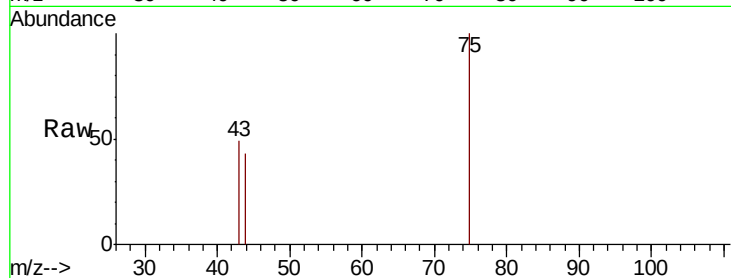




#25
2-Butanone
Concen: 0.220 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.02 min
Lab File: VN059875.D
Acq: 27 Jan 2020 16:16

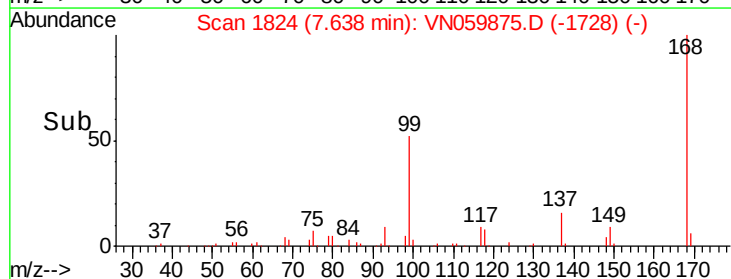
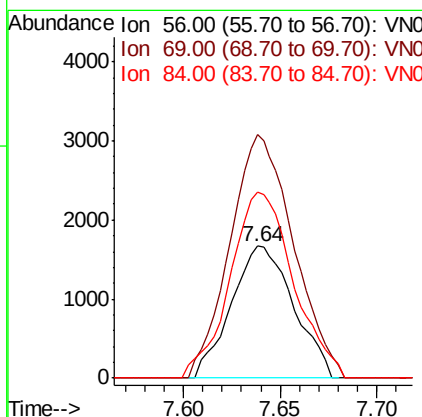
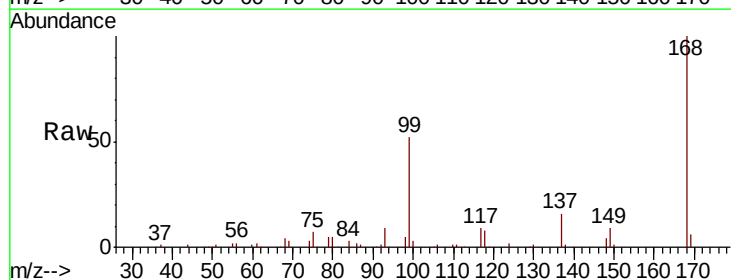
Instrument :
MSVOA_N
ClientSampleId :

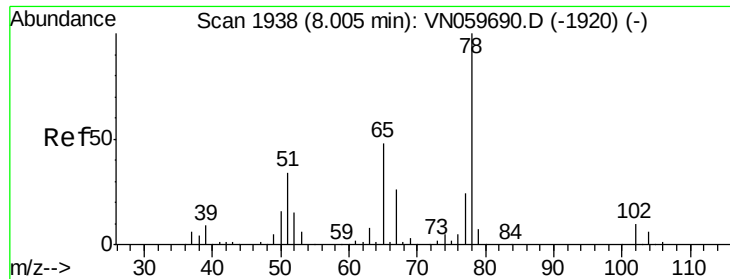
Tot Ion: 43 Resp: 303
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.037 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN059875.D
Acq: 27 Jan 2020 16:16

Tgt Ion: 56 Resp: 3732
Ion Ratio Lower Upper
56 100
69 184.7 26.5 39.7#
84 131.2 65.3 97.9#

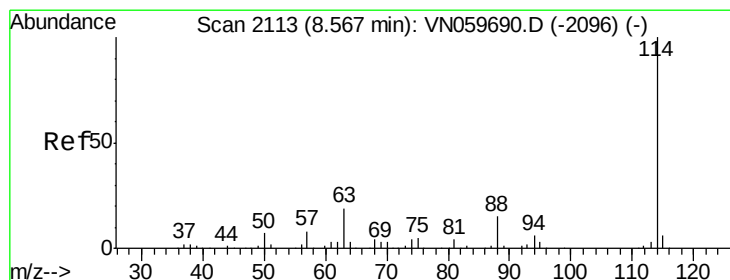
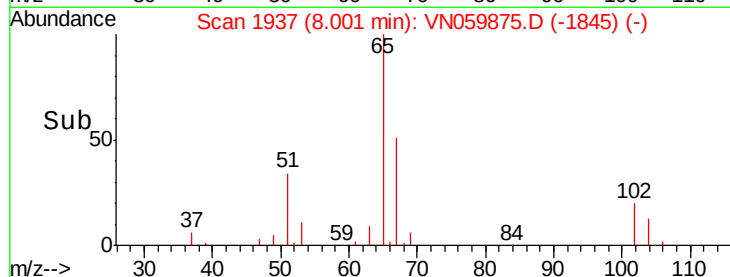
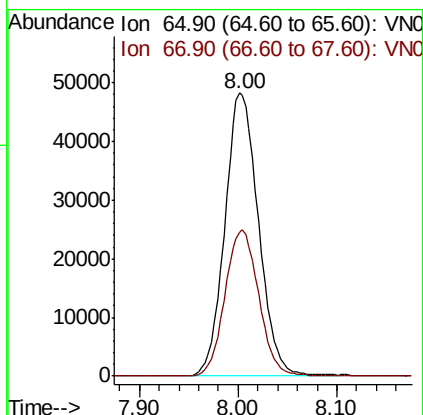
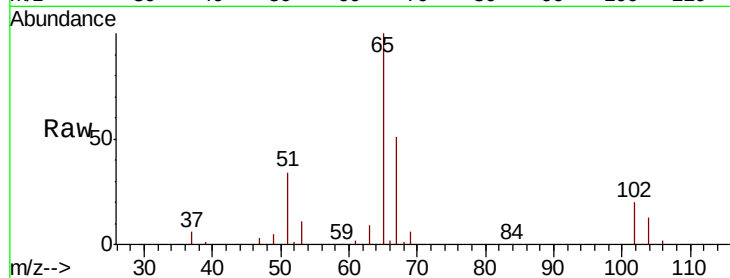




#33
 1,2-Dichloroethane-d4
 Concen: 47.292 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059875.D
 Acq: 27 Jan 2020 16:16

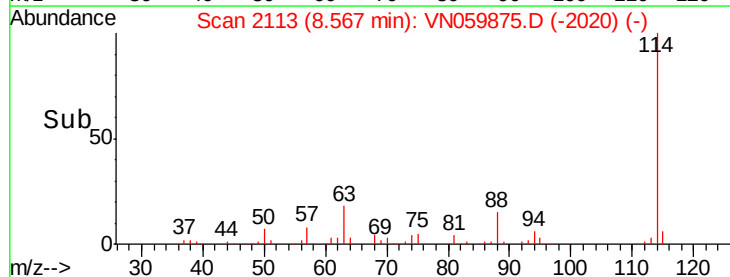
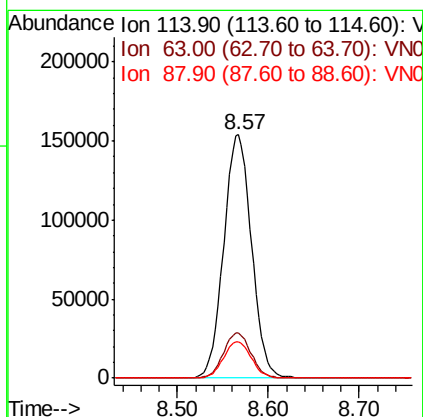
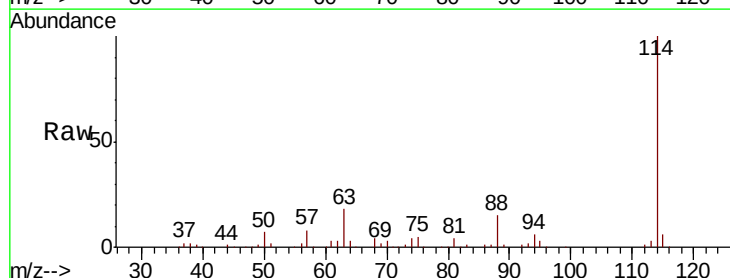
Instrument :
 MSVOA_N
 ClientSampleId :

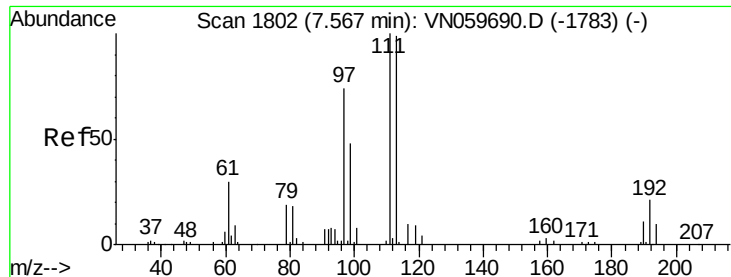
Tot Ion: 65 Resp: 115001
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059875.D
 Acq: 27 Jan 2020 16:16

Tgt Ion: 114 Resp: 326757
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 43.6
 88 15.0 0.0 31.4

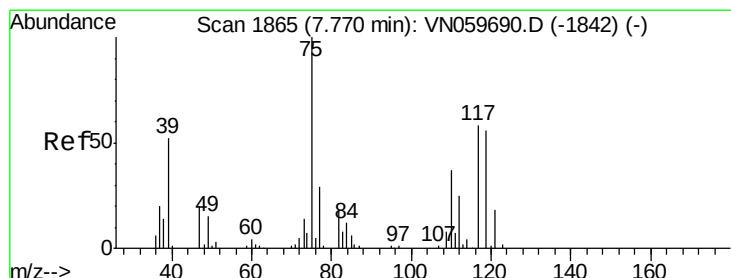
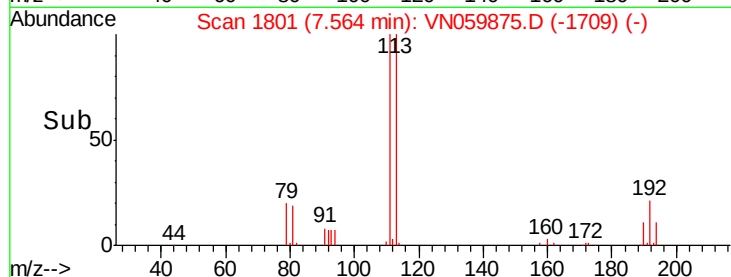
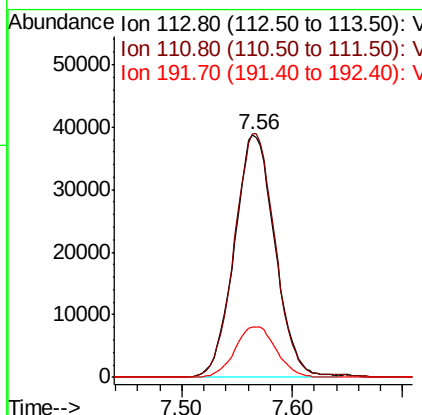
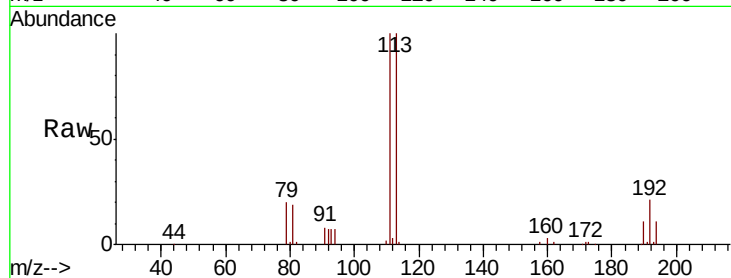




#35
 Dibromofluoromethane
 Concen: 50.636 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059875.D
 Acq: 27 Jan 2020 16:16

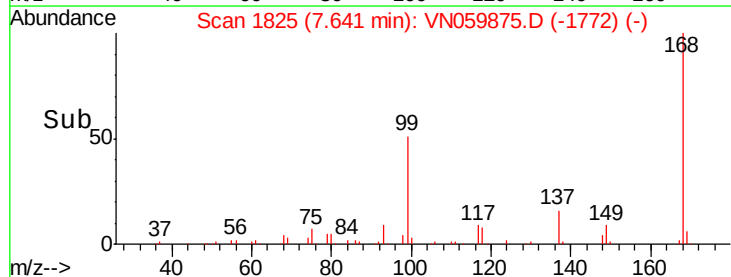
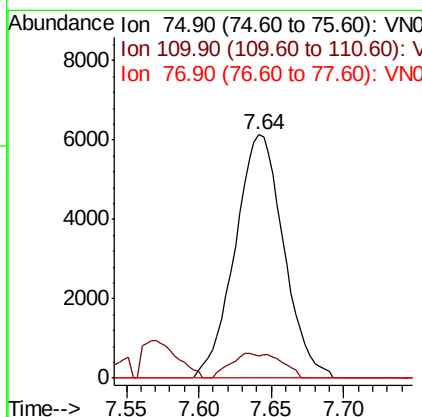
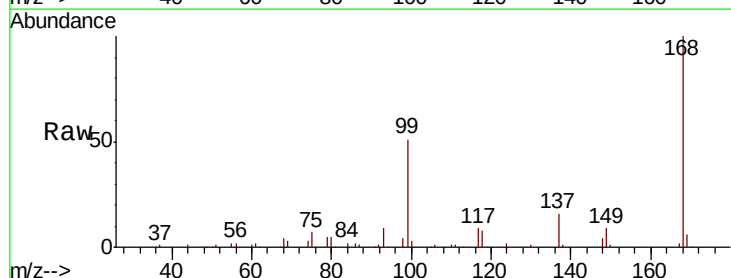
Instrument :
 MSVOA_N
 ClientSampled :

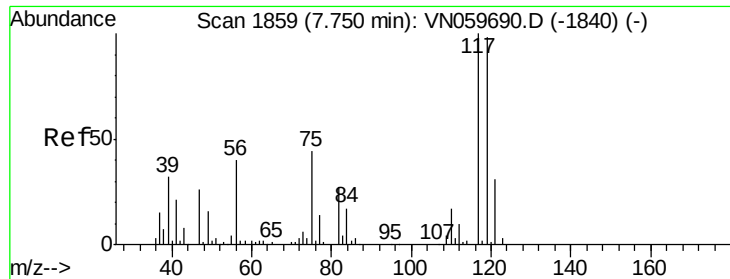
Tot Ion:113 Resp: 98670
 Ion Ratio Lower Upper
 113 100
 111 100.4 83.5 125.3
 192 21.0 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.034 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059875.D
 Acq: 27 Jan 2020 16:16

Tgt Ion: 75 Resp: 14323
 Ion Ratio Lower Upper
 75 100
 110 10.4 16.6 49.7#
 77 0.0 25.1 37.7#

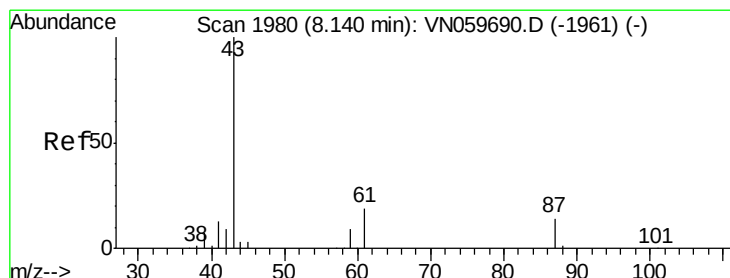
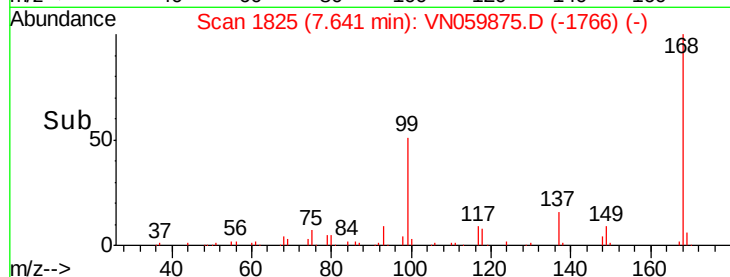
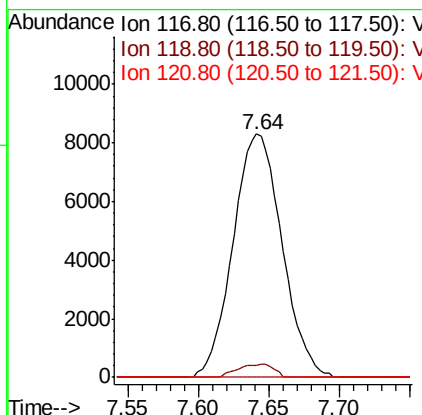
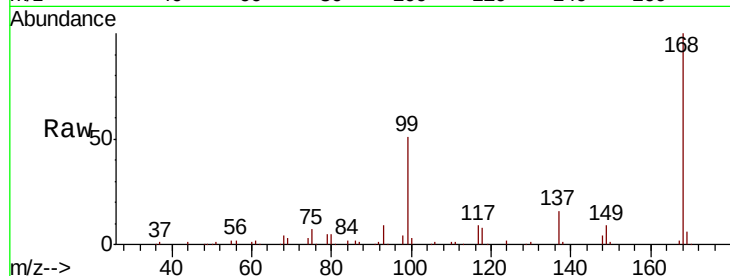




#38
Carbon Tetrachloride
Concen: 6.503 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN059875.D
Acq: 27 Jan 2020 16:16

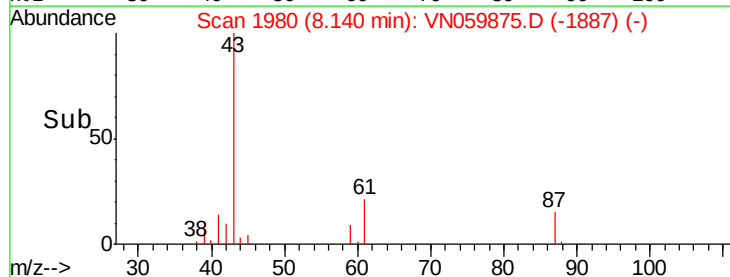
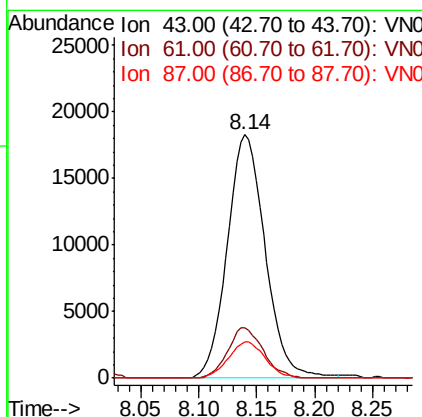
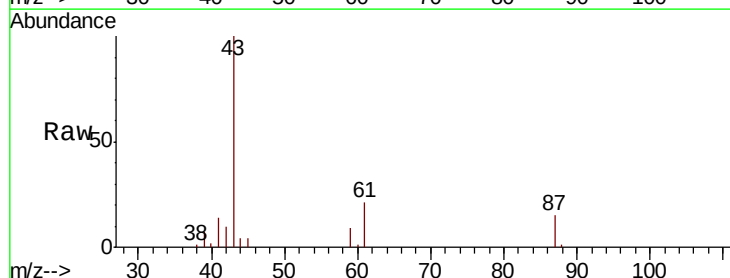
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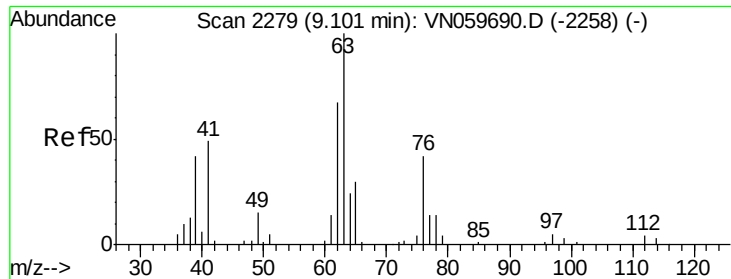
Tot Ion:117 Resp: 20128
Ion Ratio Lower Upper
117 100
119 5.0 76.5 114.7#
121 0.0 25.1 37.7#



#43
Isopropyl Acetate
Concen: 9.048 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059875.D
Acq: 27 Jan 2020 16:16

Tgt Ion: 43 Resp: 41536
Ion Ratio Lower Upper
43 100
61 19.4 20.2 30.2#
87 14.4 9.5 14.3#

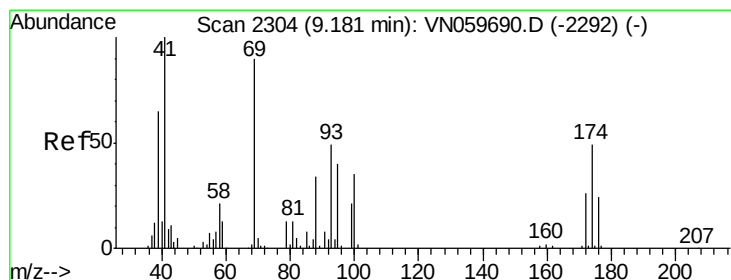
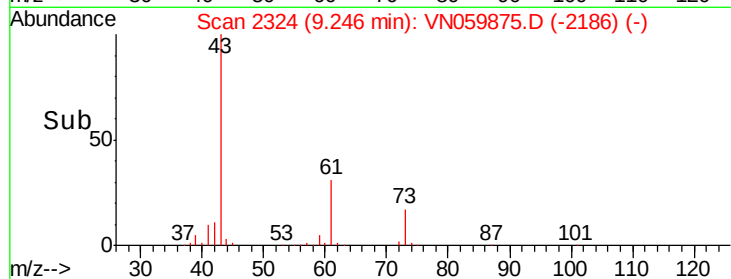
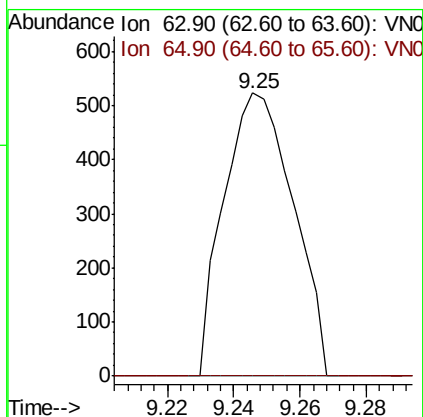
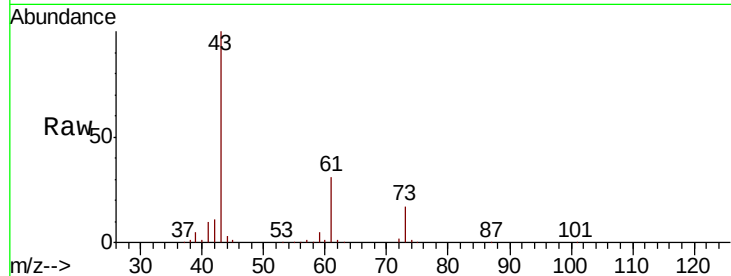




#45
 1,2-Dichloropropane
 Concen: 0.363 ug/l
 RT: 9.25 min Scan# 2324
 Delta R.T. 0.14 min
 Lab File: VN059875.D
 Acq: 27 Jan 2020 16:16

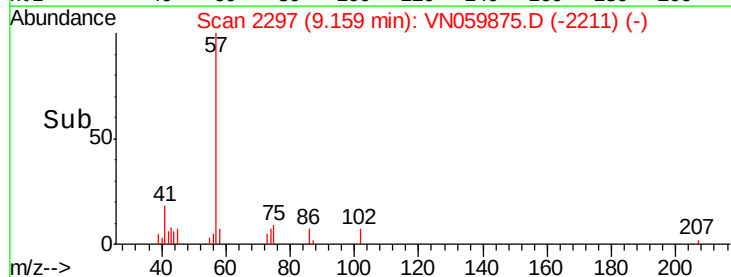
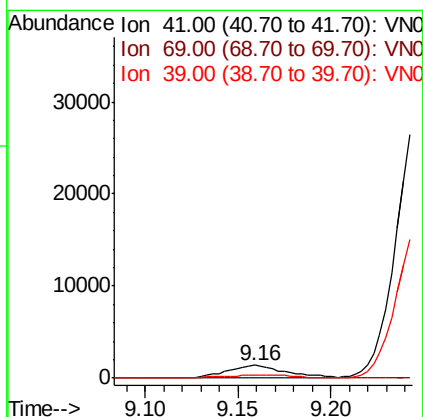
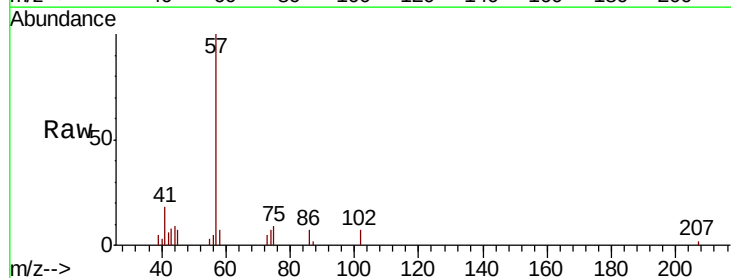
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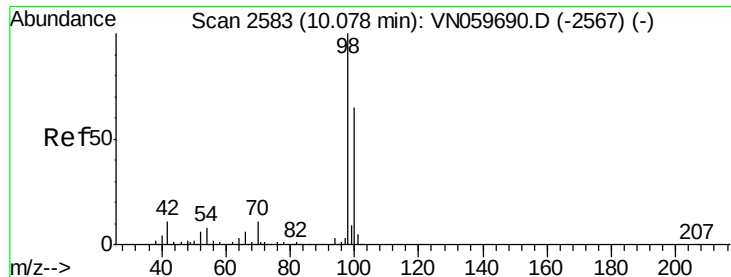
Tot Ion: 63 Resp: 762
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.9 37.3#



#48
 Methyl methacrylate
 Concen: 1.475 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN059875.D
 Acq: 27 Jan 2020 16:16

Tgt Ion: 41 Resp: 3029
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 51.3 76.9#





#50

Toluene-d8

Concen: 50.613 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN059875.D

Acq: 27 Jan 2020 16:16

Instrument :

MSVOA_N

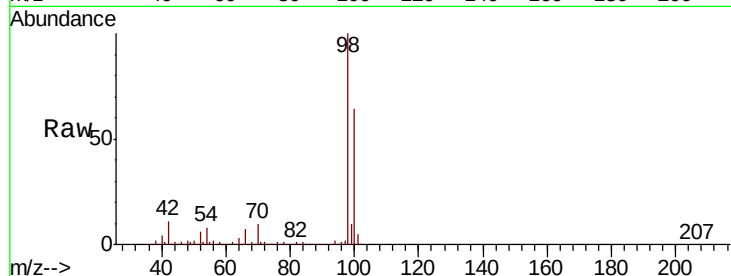
ClientSampleId :

Tot Ion: 98 Resp: 382122

Ion Ratio Lower Upper

98 100

100 64.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059690.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN059690.D (-2567) (-)

10.08

250000

200000

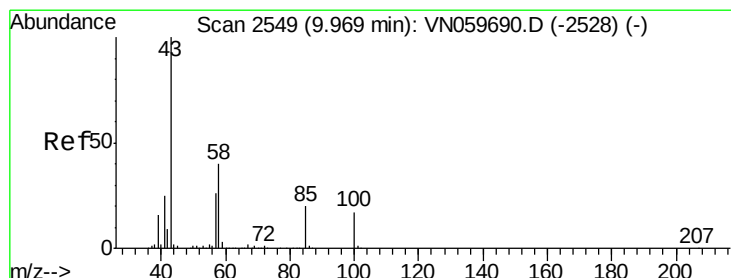
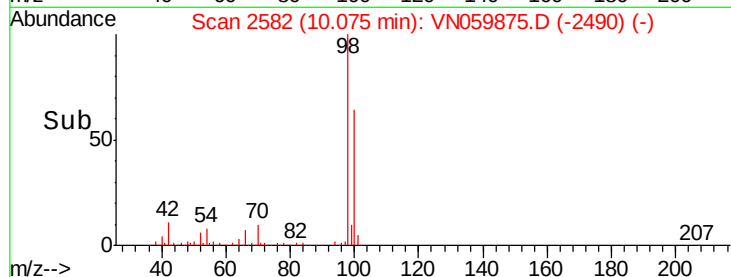
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.590 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059875.D

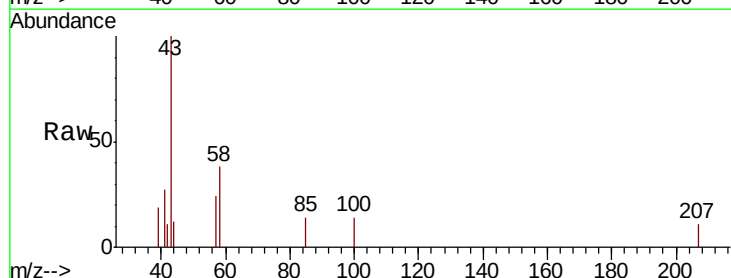
Acq: 27 Jan 2020 16:16

Tgt Ion: 43 Resp: 4220

Ion Ratio Lower Upper

43 100

58 32.3 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059690.D (-2528) (-)

10000

8000

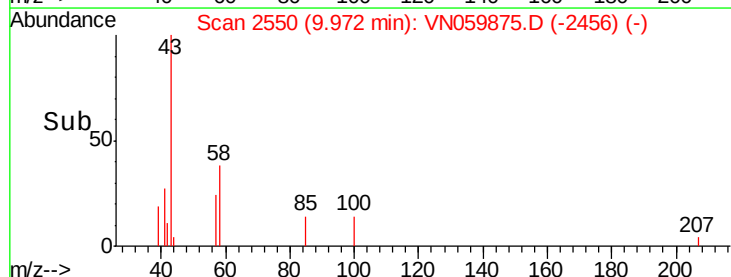
6000

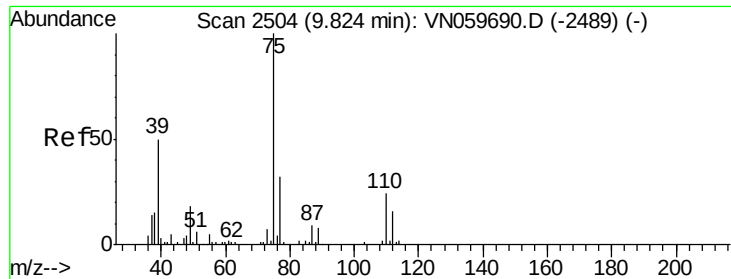
4000

2000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 5.651 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN059875.D

Acq: 27 Jan 2020 16:16

Instrument :

MSVOA_N

ClientSampled :

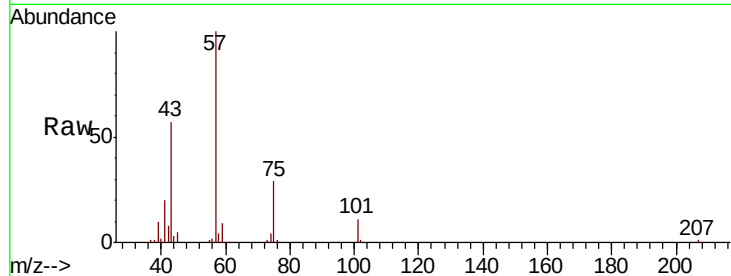
Tot Ion: 75 Resp: 19817

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

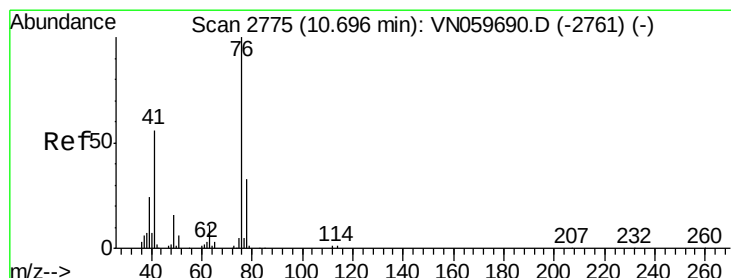
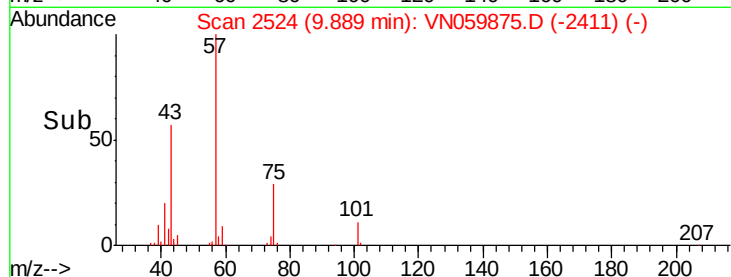
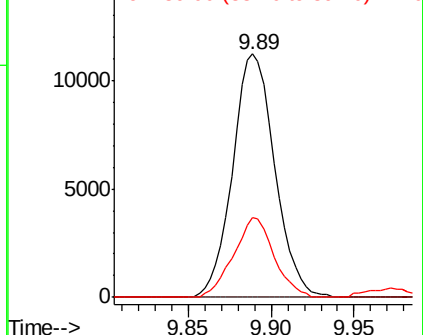
39 32.9 46.1 69.1#



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: 0.828 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN059875.D

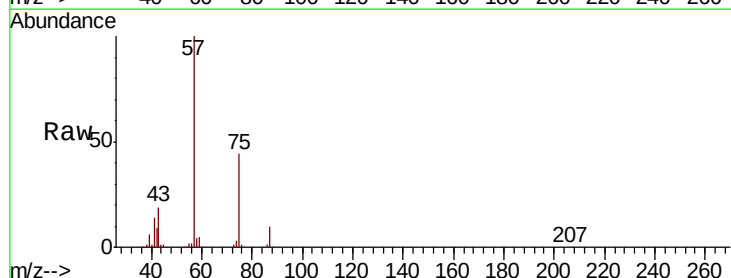
Acq: 27 Jan 2020 16:16

Tgt Ion: 76 Resp: 2792

Ion Ratio Lower Upper

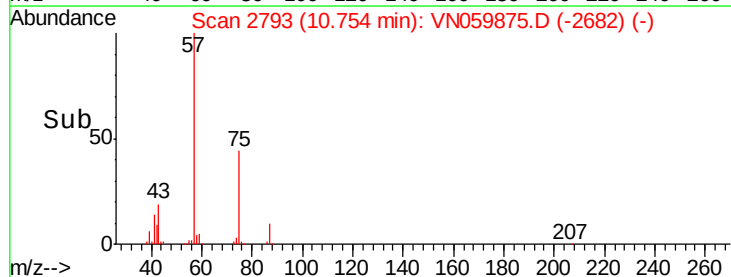
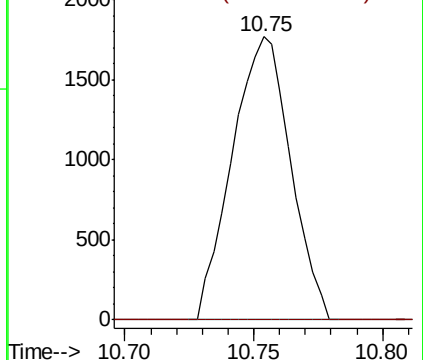
76 100

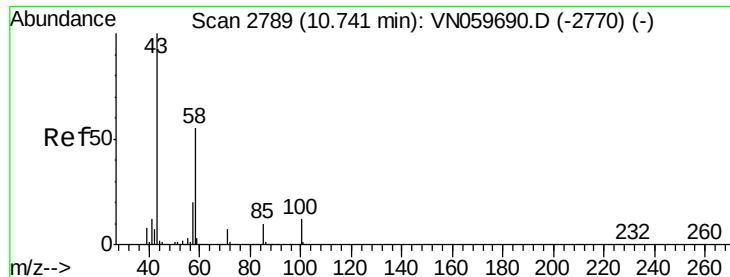
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

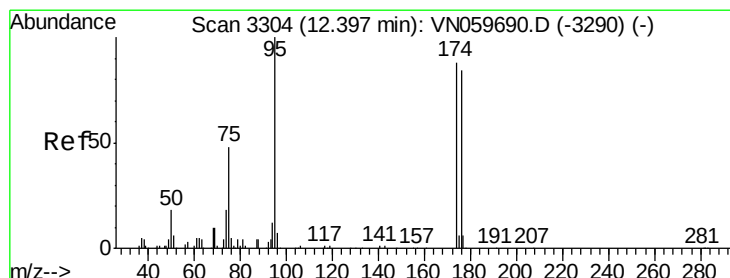
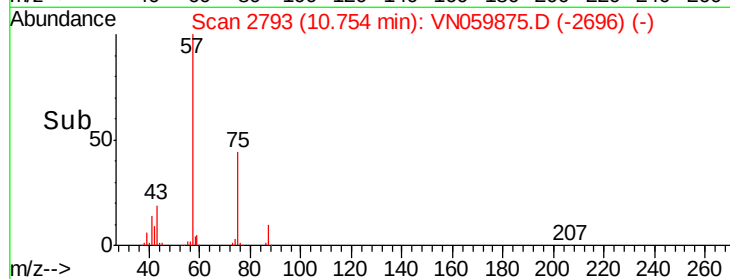
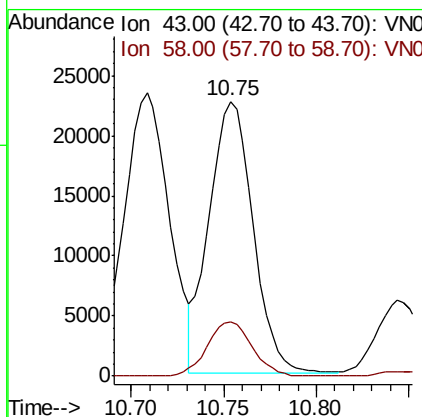
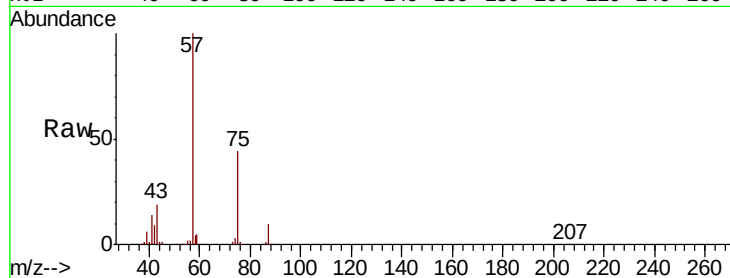




#59
2-Hexanone
Concen: 18.948 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN059875.D
Acq: 27 Jan 2020 16:16

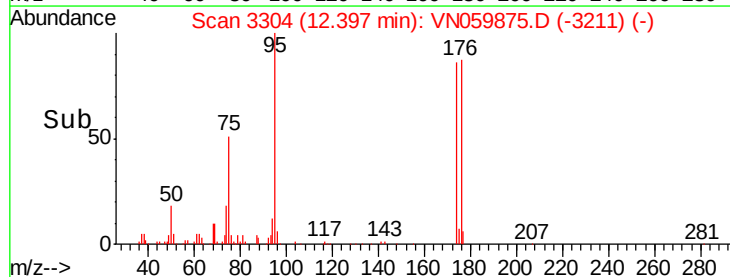
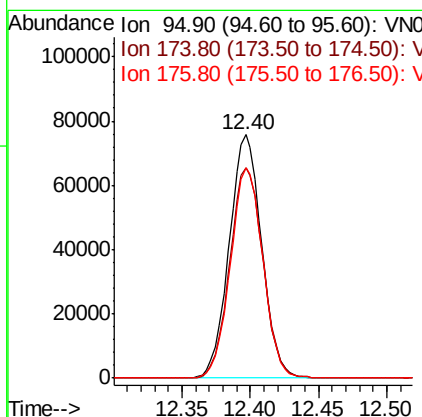
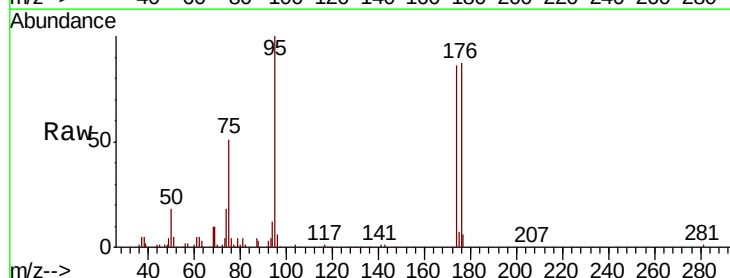
Instrument :
MSVOA_N
ClientSampled :

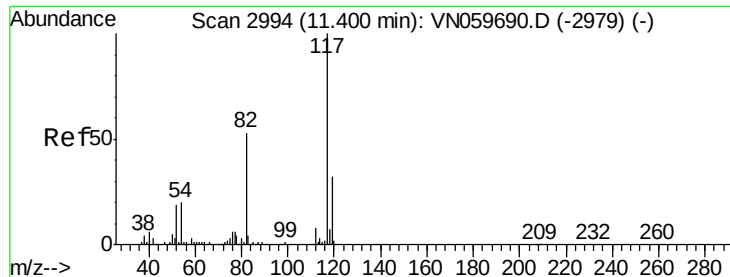
Tot Ion: 43 Resp: 37042
Ion Ratio Lower Upper
43 100
58 20.6 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 45.944 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059875.D
Acq: 27 Jan 2020 16:16

Tgt Ion: 95 Resp: 125047
Ion Ratio Lower Upper
95 100
174 88.5 0.0 151.4
176 86.7 0.0 146.0

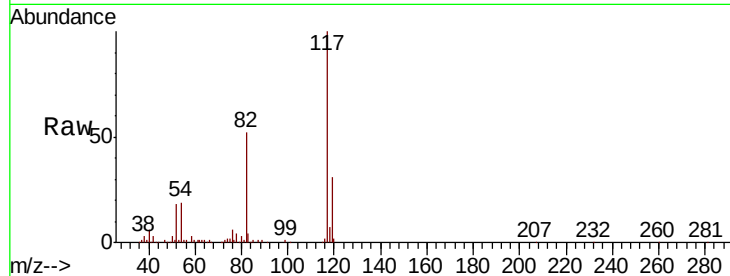




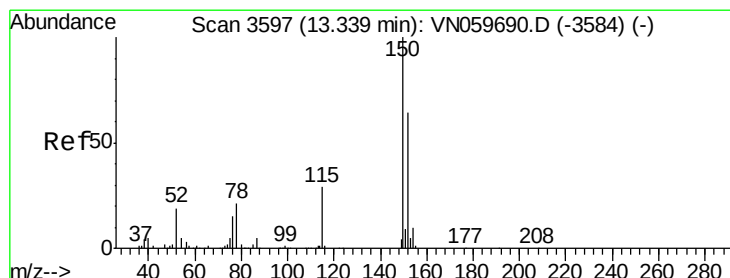
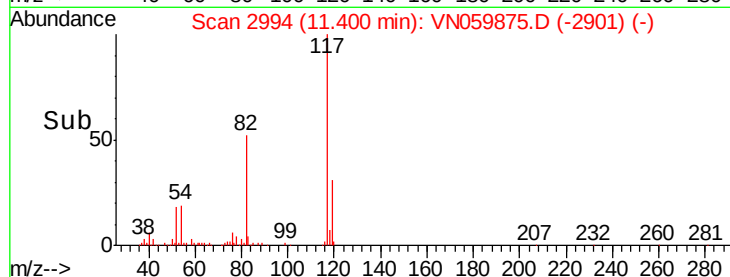
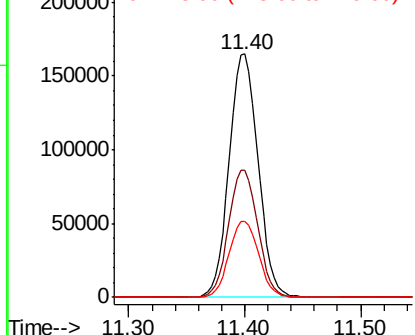
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059875.D
Acq: 27 Jan 2020 16:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 285353
Ion Ratio Lower Upper
117 100
82 52.0 45.9 68.9
119 31.4 25.5 38.3

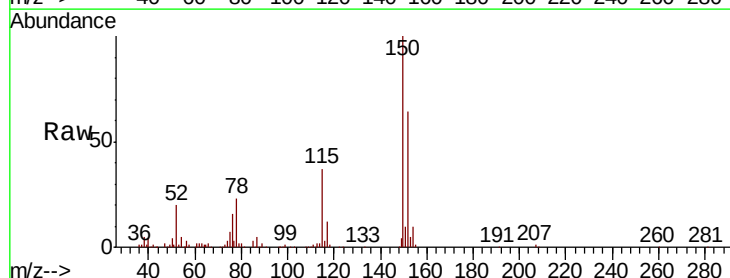


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

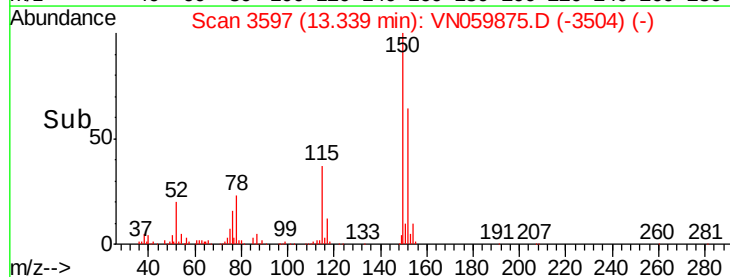
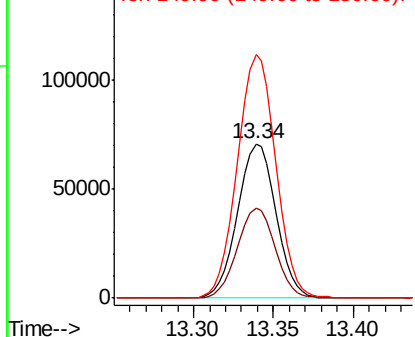


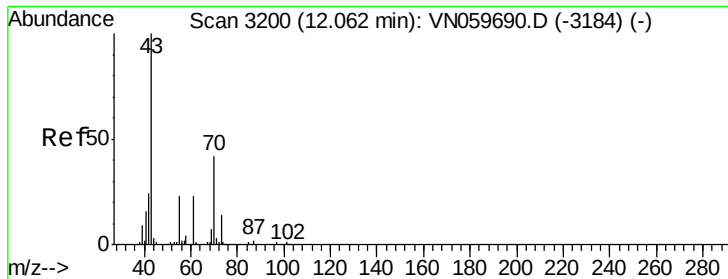
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059875.D
Acq: 27 Jan 2020 16:16

Tgt Ion:152 Resp: 115893
Ion Ratio Lower Upper
152 100
115 57.7 30.3 90.9
150 157.8 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-amvl acetate

Concen: 0.609 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN059875.D

Acq: 27 Jan 2020 16:16

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2009

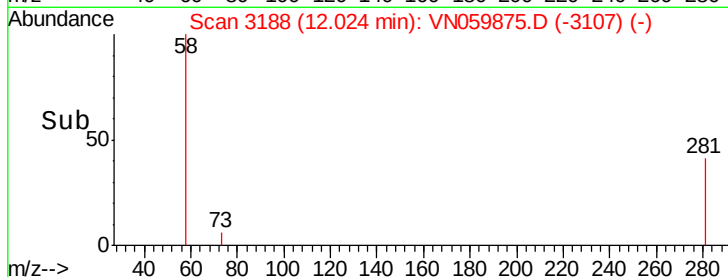
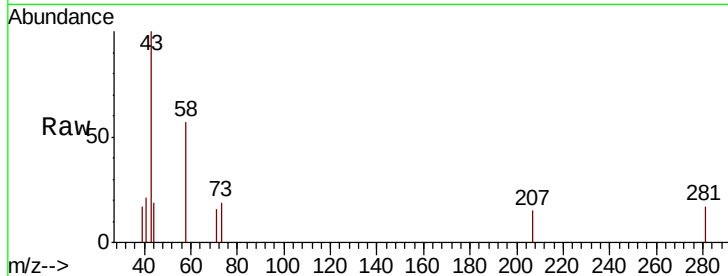
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

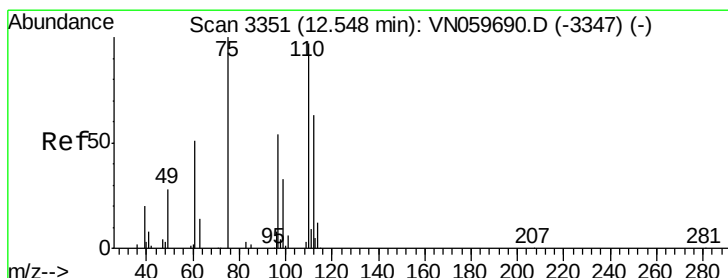
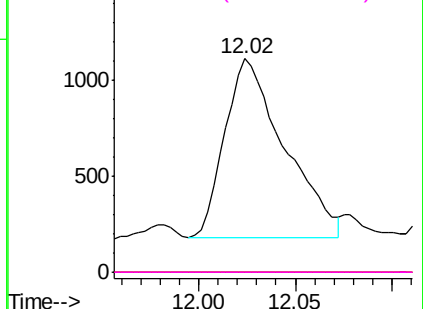


Abundance Ion 43.00 (42.70 to 43.70): VNO

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: 32.333 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059875.D

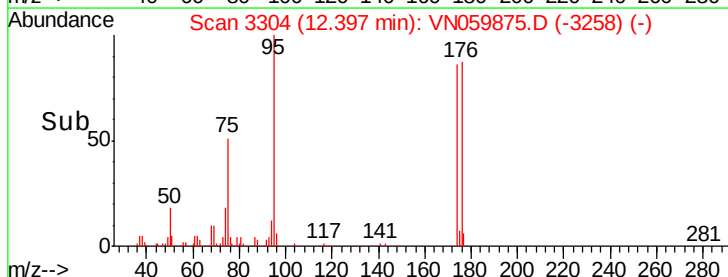
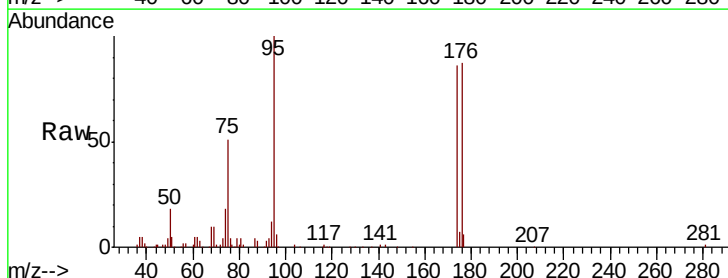
Acq: 27 Jan 2020 16:16

Tgt Ion: 75 Resp: 63062

Ion Ratio Lower Upper

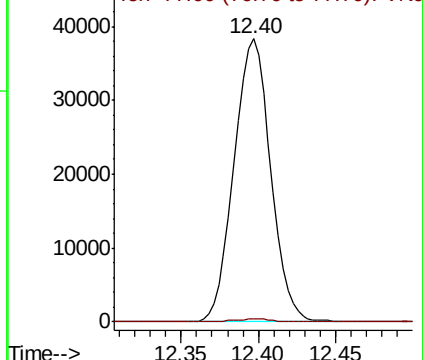
75 100

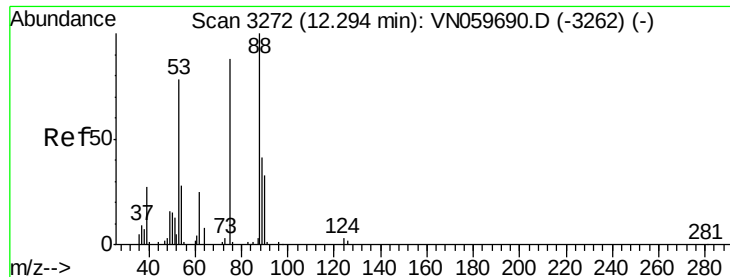
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

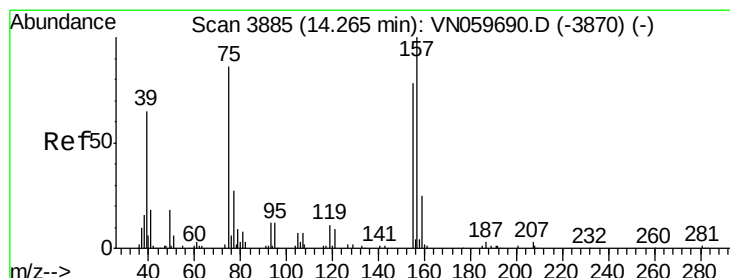
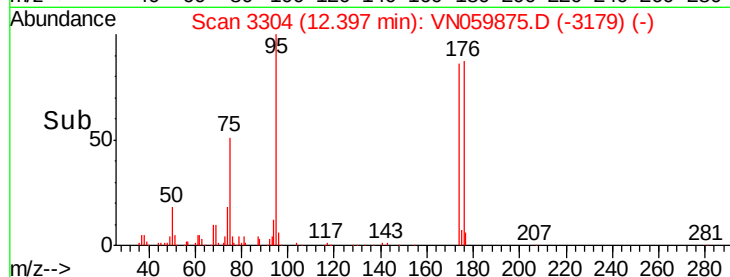
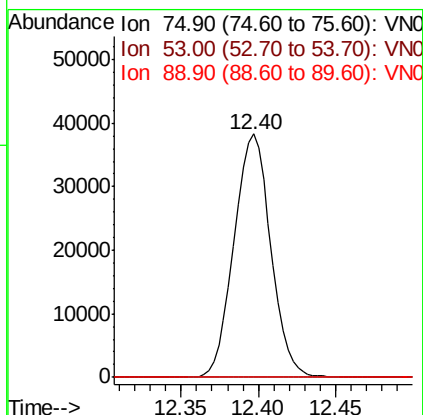
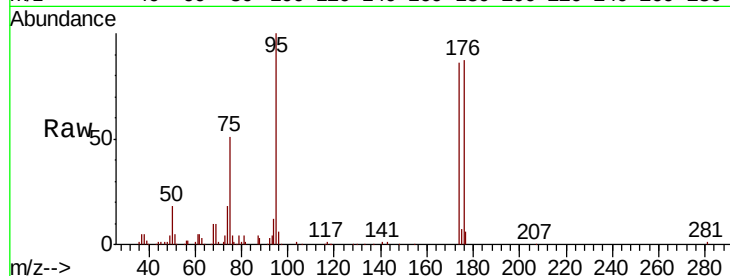




#81
trans-1,4-Dichloro-2-butene
Concen: 69.436 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN059875.D
Acq: 27 Jan 2020 16:16

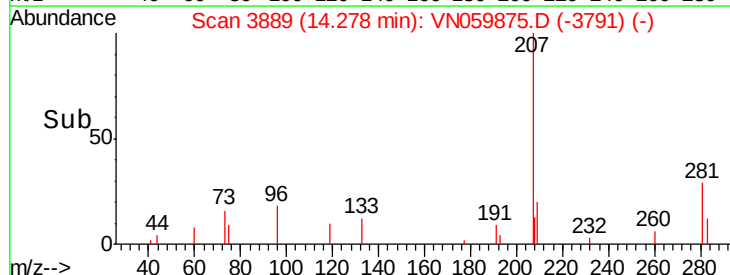
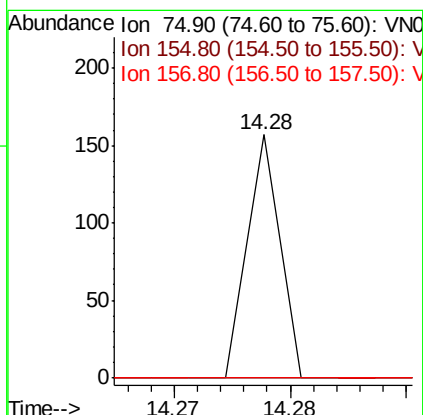
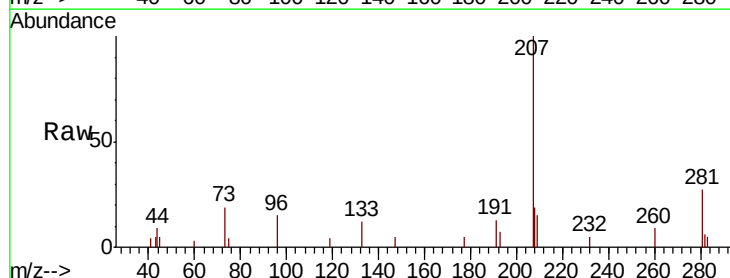
Instrument :
MSVOA_N
ClientSampled :

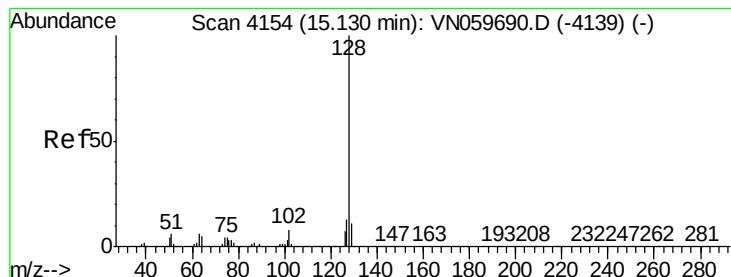
Tot Ion: 75 Resp: 63062
Ion Ratio Lower Upper
75 100
53 0.0 78.1 117.1#
89 0.0 35.4 53.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.28 min Scan# 3889
Delta R.T. 0.01 min
Lab File: VN059875.D
Acq: 27 Jan 2020 16:16

Tgt Ion: 75 Resp: 30
Ion Ratio Lower Upper
75 100
155 0.0 37.0 110.9#
157 0.0 48.4 145.2#





#95

Naphthalene

Concen: 0.668 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059875.D

Acq: 27 Jan 2020 16:16

Instrument :

MSVOA_N

ClientSampleId :

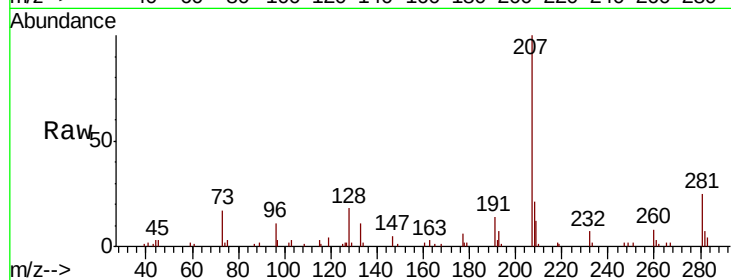
Tot Ion:128 Resp: 4218

Ion Ratio Lower Upper

128 100

127 10.7 10.4 15.6

129 7.9 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

