

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012720\
 Data File : VN059876.D
 Acq On : 27 Jan 2020 16:39
 Operator : JC/MD
 Sample : L1265-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 27 23:11:18 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	215616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	322818	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	279945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	108834	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	113770	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	
35) Dibromofluoromethane	7.56	113	95423	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
50) Toluene-d8	10.08	98	378180	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.40	95	119487	44.44	ug/l	0.00
Spiked Amount			Recovery	=	88.88%	

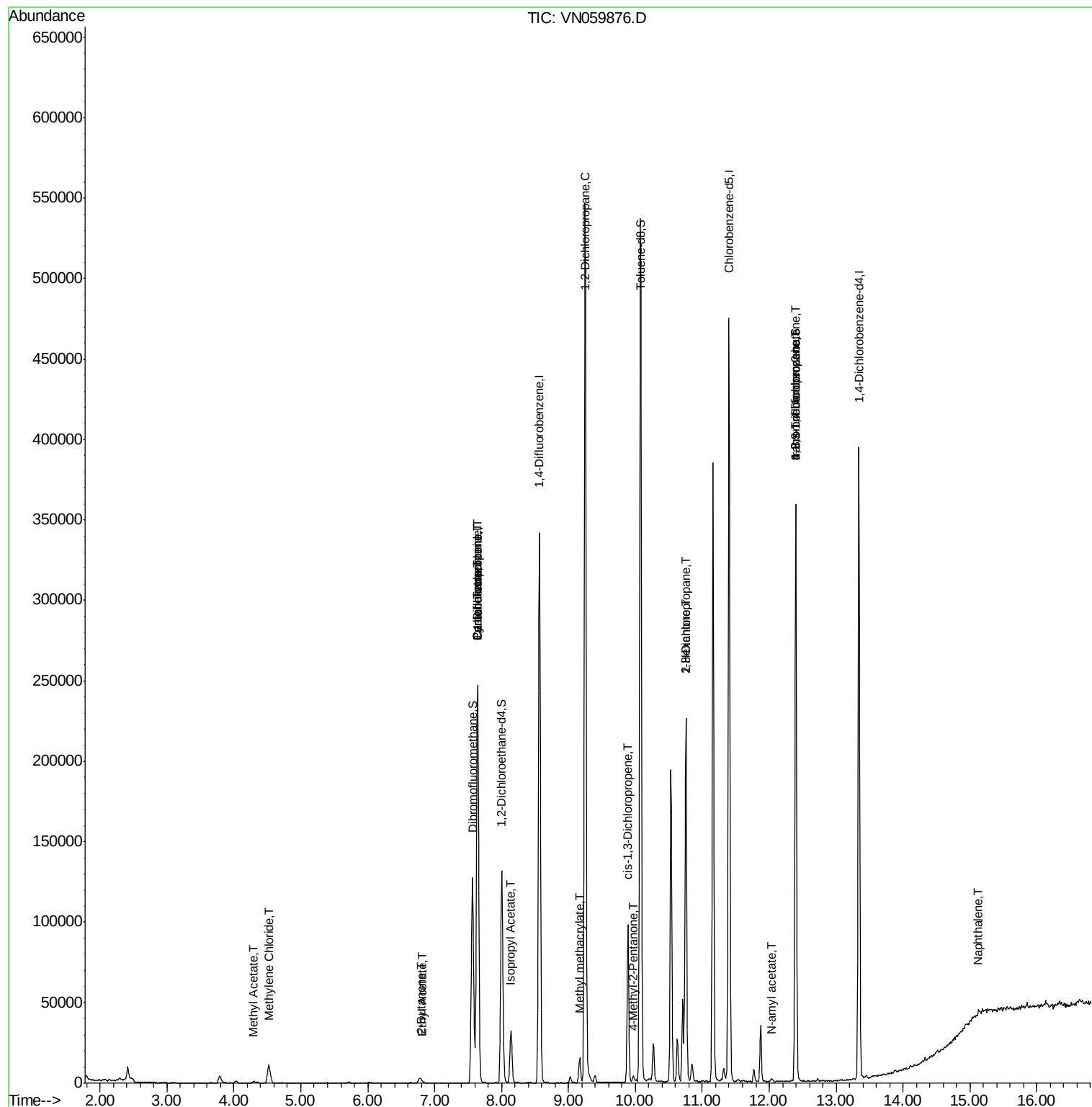
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	8173	Below Cal		99
18) Methyl Acetate	4.30	43	2688	0.961	ug/l #	83
20) Methylene Chloride	4.53	84	8719	2.803	ug/l #	85
25) 2-Butanone	6.80	43	503	0.371	ug/l #	50
31) Cyclohexane	7.64	56	4005	1.130	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14395	5.121	ug/l #	51
37) Ethyl Acetate	6.82	43	898	0.341	ug/l #	69
38) Carbon Tetrachloride	7.64	117	19307	6.314	ug/l #	16
43) Isopropyl Acetate	8.14	43	38716	8.537	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	696	0.335	ug/l #	44
48) Methyl methacrylate	9.16	41	2261	1.115	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	2174	0.829	ug/l #	82
54) cis-1,3-Dichloropropene	9.89	75	18626	5.376	ug/l #	57
57) 1,3-Dichloropropane	10.75	76	2386	0.717	ug/l #	42
59) 2-Hexanone	10.75	43	31805	16.467	ug/l #	54
74) N-amyl acetate	12.03	43	2425	0.783	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	61038	33.326	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	61038	71.567	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.30	75	97	Below Cal	#	6
95) Naphthalene	15.13	128	3202	0.540	ug/l	98

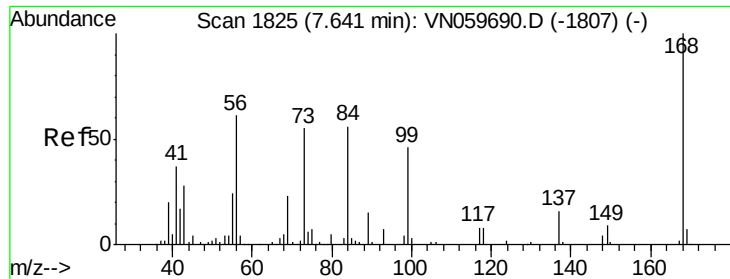
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1825

Delta R.T. 0.00 min

Lab File: VN059876.D

Acq: 27 Jan 2020 16:39

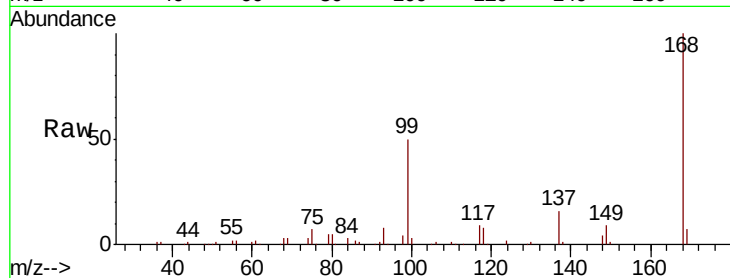
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 215616

Ion Ratio Lower Upper

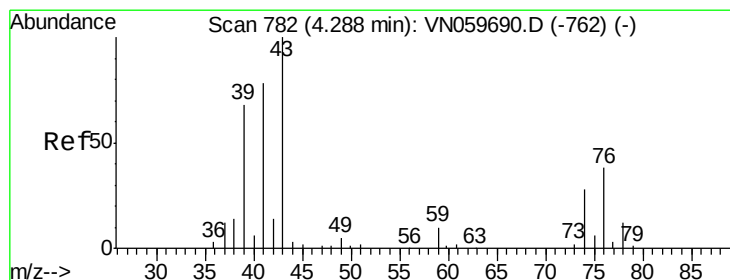
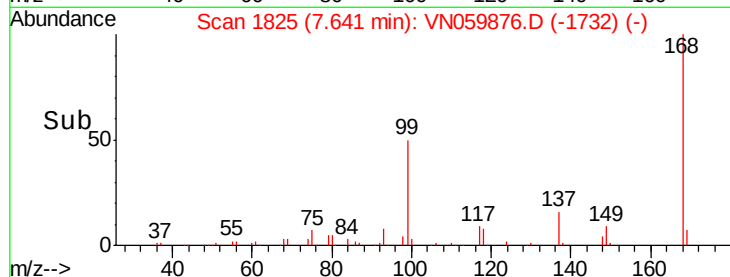
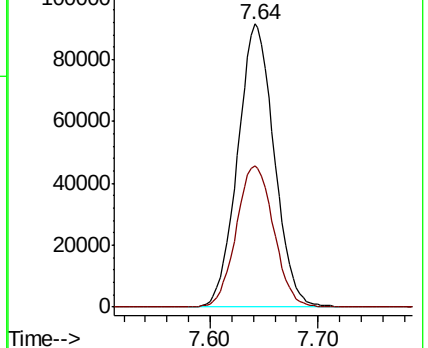
168 100

99 49.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#18

Methyl Acetate

Concen: 0.961 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.01 min

Lab File: VN059876.D

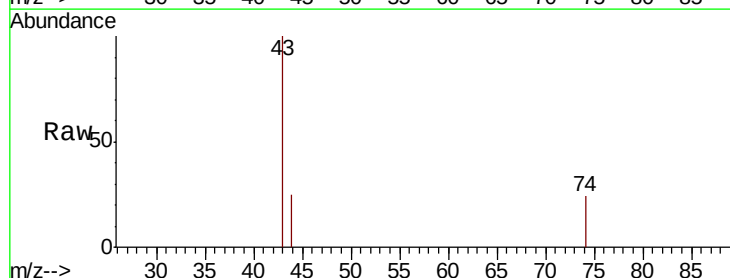
Acq: 27 Jan 2020 16:39

Tgt Ion: 43 Resp: 2688

Ion Ratio Lower Upper

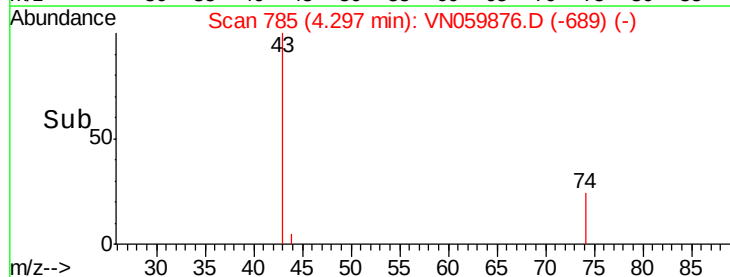
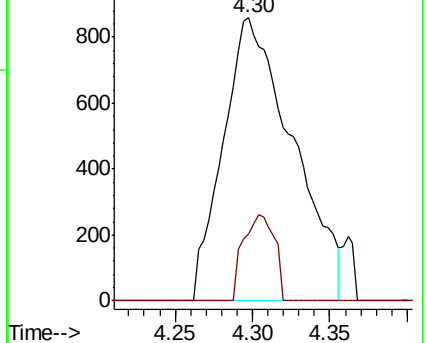
43 100

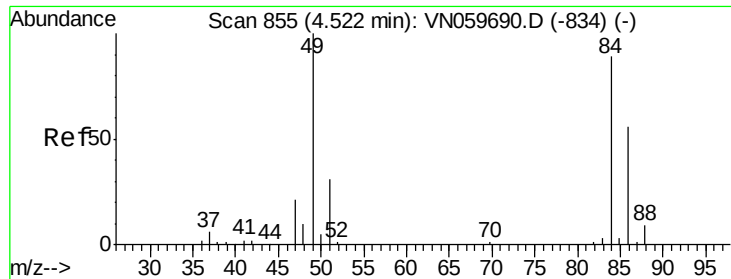
74 13.6 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

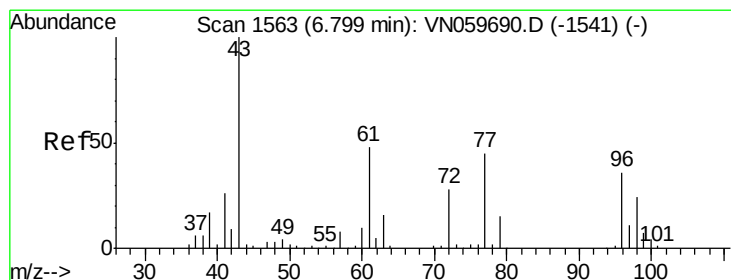
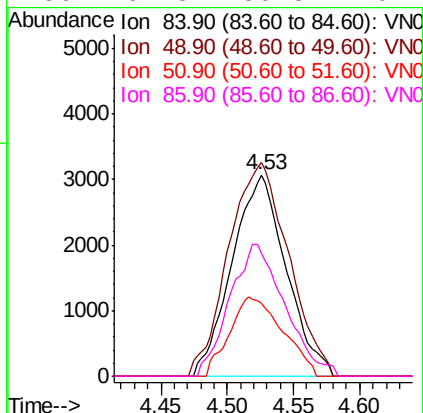
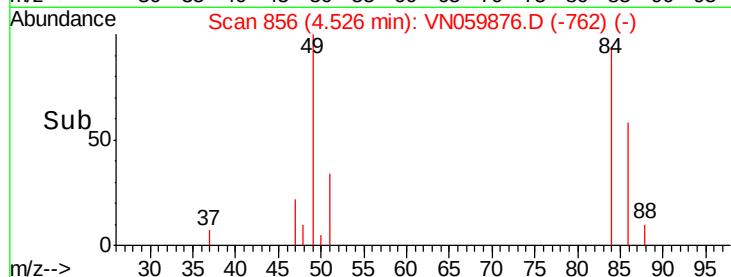
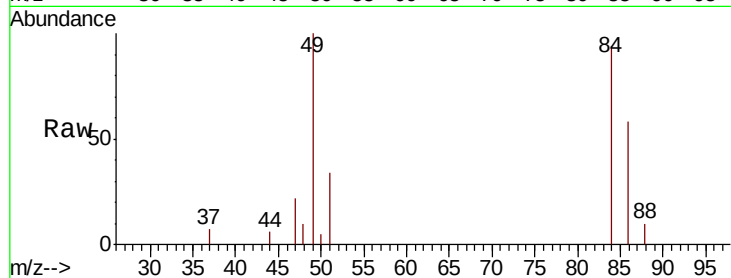




#20
Methvlene Chloride
Concen: 2.803 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059876.D
Acq: 27 Jan 2020 16:39

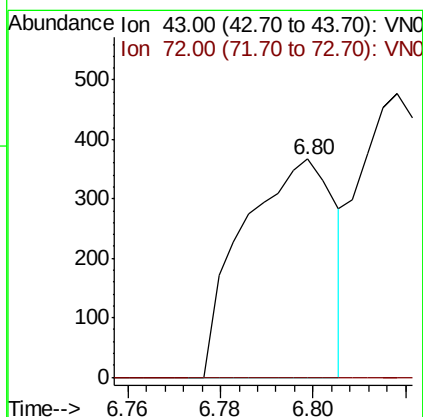
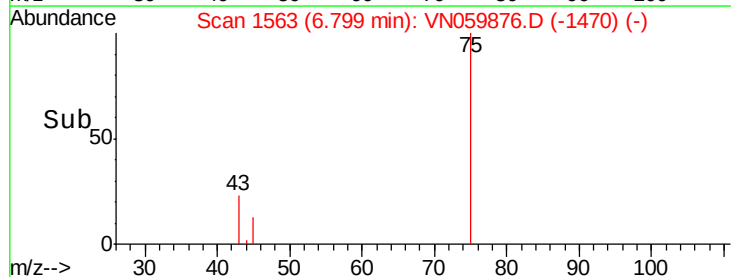
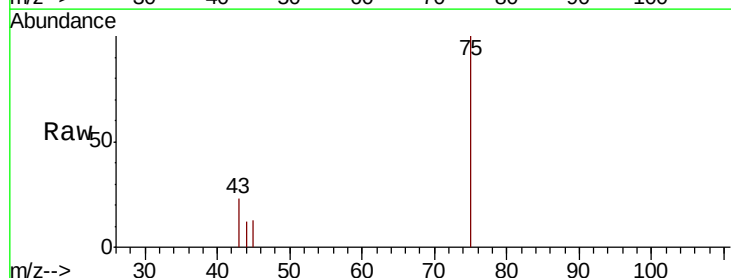
Instrument :
MSVOA_N
ClientSampleId :

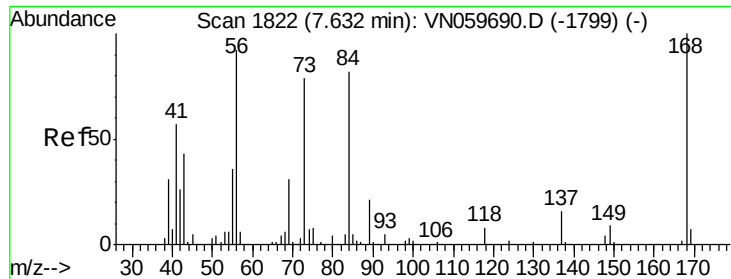
Tot Ion: 84 Resp: 8719
Ion Ratio Lower Upper
84 100
49 106.2 106.6 160.0#
51 36.3 31.9 47.9
86 61.3 50.8 76.2



#25
2-Butanone
Concen: 0.371 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059876.D
Acq: 27 Jan 2020 16:39

Tgt Ion: 43 Resp: 503
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#

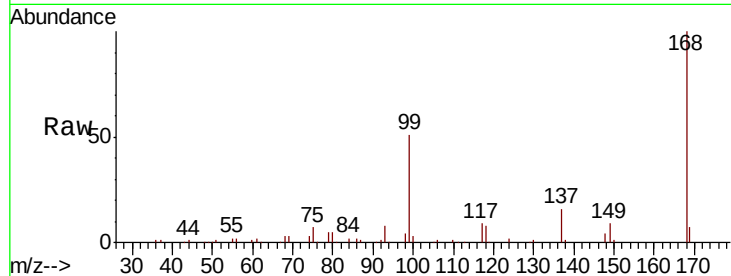




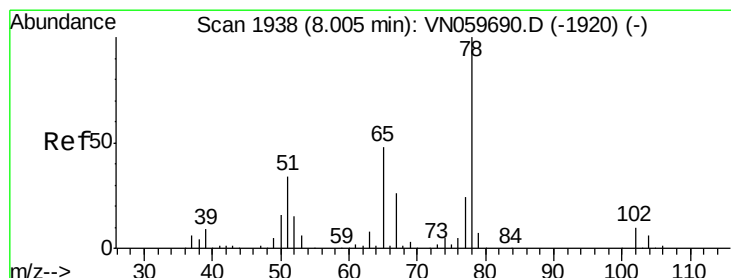
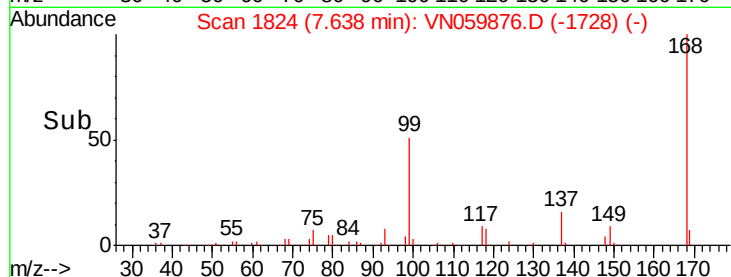
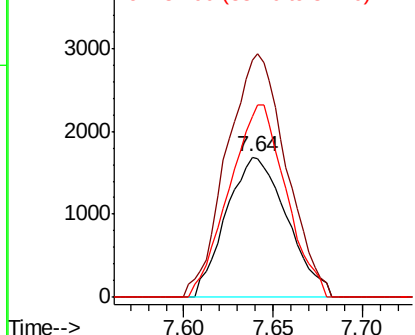
#31
Cyclohexane
Concen: 1.130 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN059876.D
Acq: 27 Jan 2020 16:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 4005
Ion Ratio Lower Upper
56 100
69 169.1 26.5 39.7#
84 128.7 65.3 97.9#

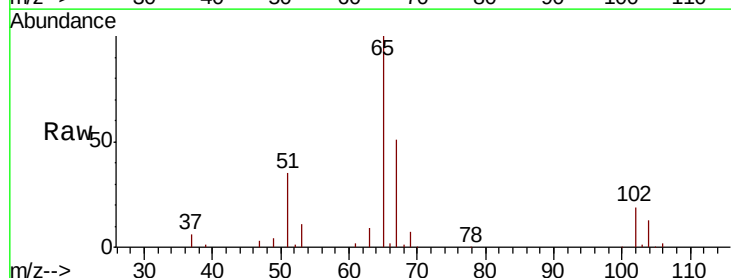


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

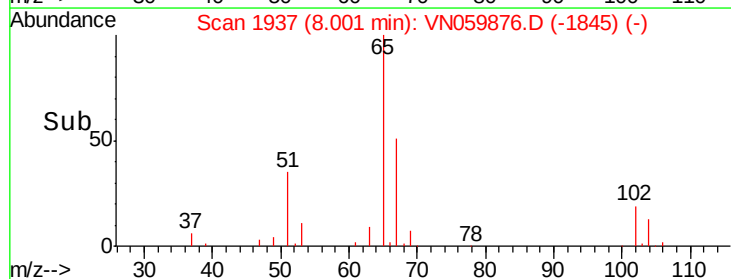
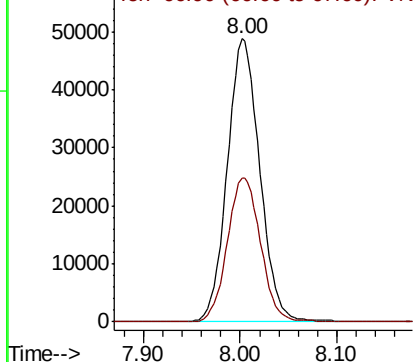


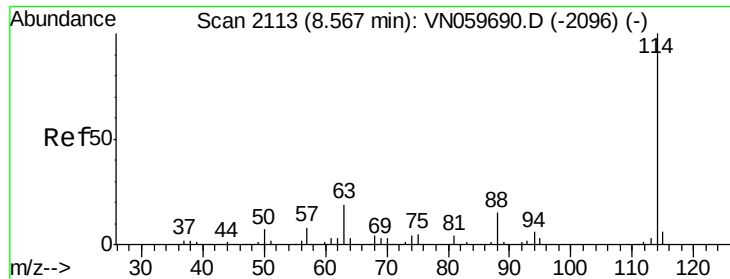
#33
1,2-Dichloroethane-d4
Concen: 47.514 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN059876.D
Acq: 27 Jan 2020 16:39

Tgt Ion: 65 Resp: 113770
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.0



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

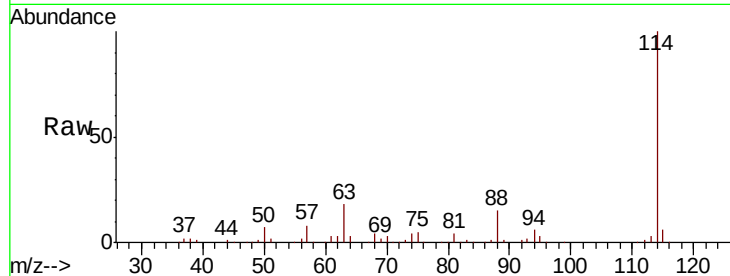




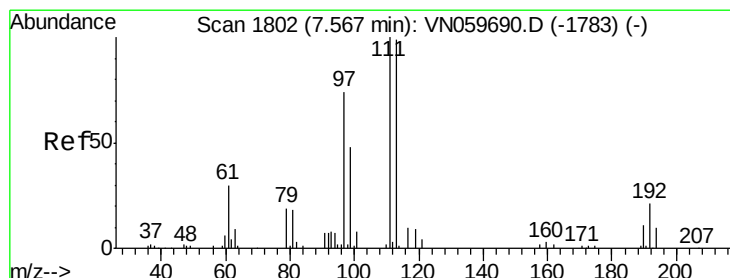
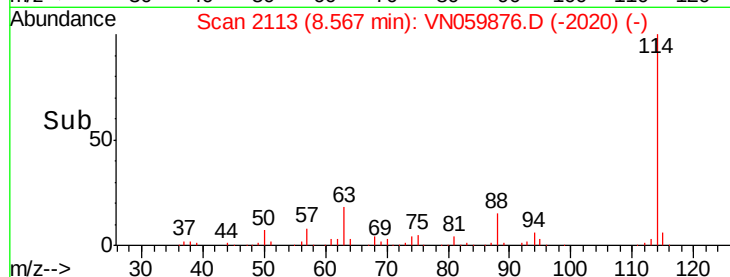
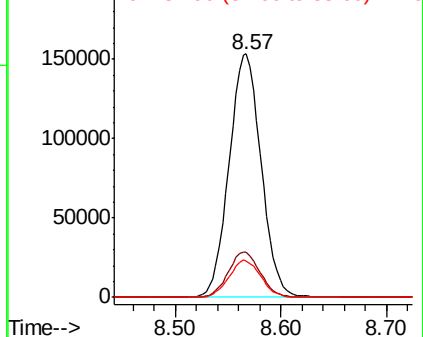
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN059876.D
Acq: 27 Jan 2020 16:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 322818
Ion Ratio Lower Upper
114 100
63 18.4 0.0 43.6
88 15.0 0.0 31.4

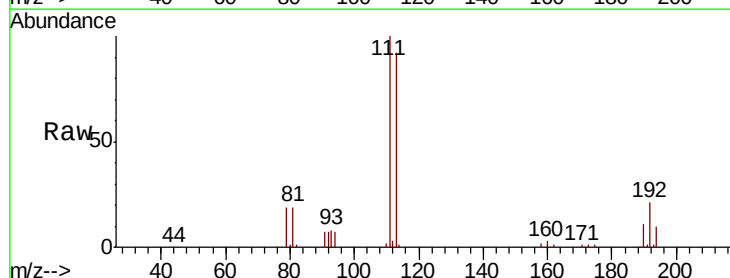


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

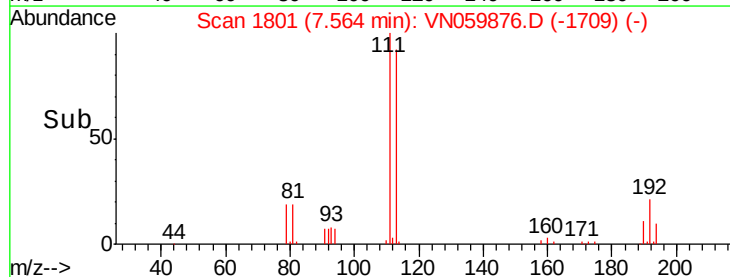
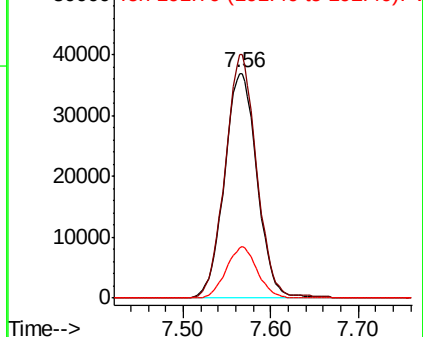


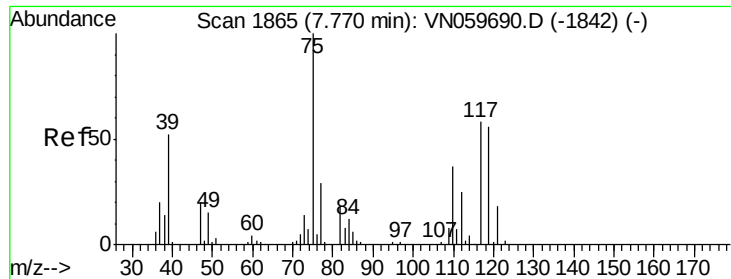
#35
Dibromofluoromethane
Concen: 49.568 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059876.D
Acq: 27 Jan 2020 16:39

Tgt Ion:113 Resp: 95423
Ion Ratio Lower Upper
113 100
111 104.7 83.5 125.3
192 21.7 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

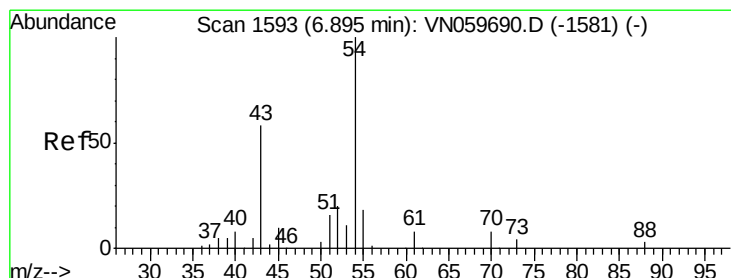
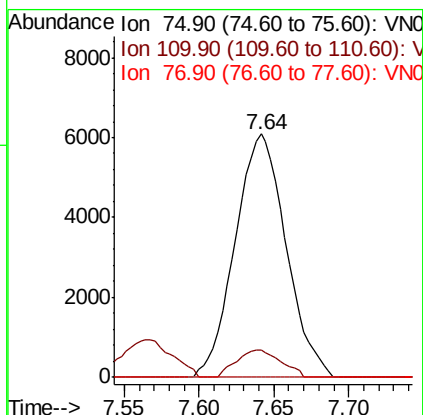
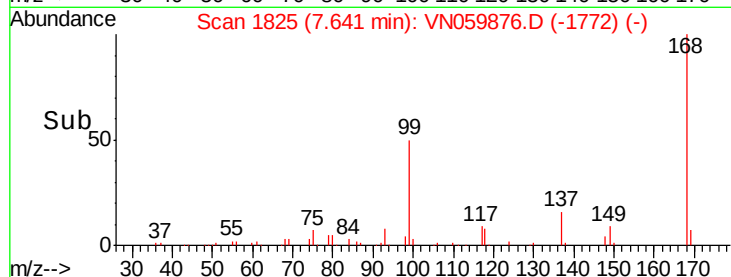
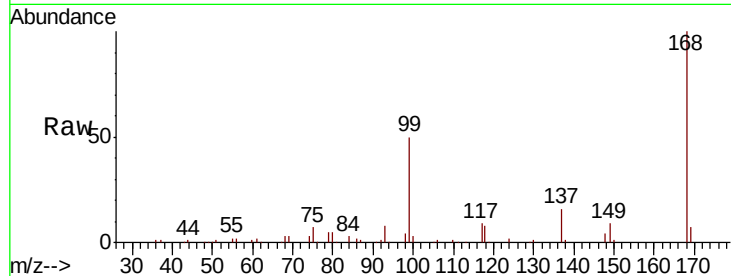




#36
 1,1-Dichloropropene
 Concen: 5.121 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059876.D
 Acq: 27 Jan 2020 16:39

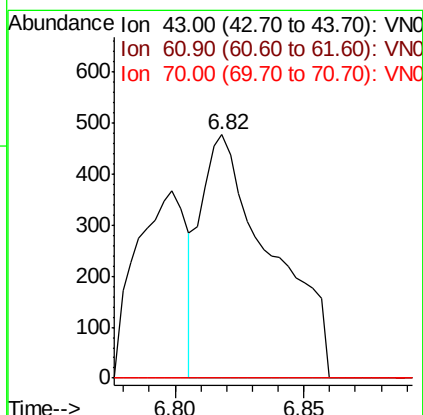
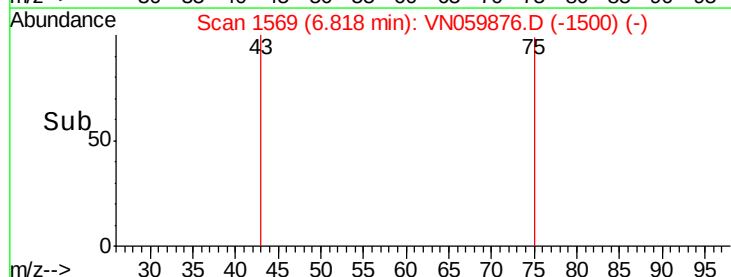
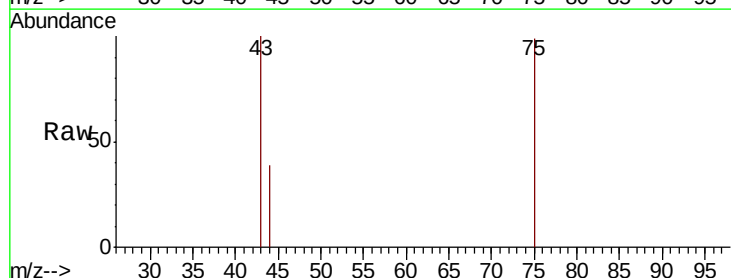
Instrument :
 MSVOA_N
 ClientSampled :

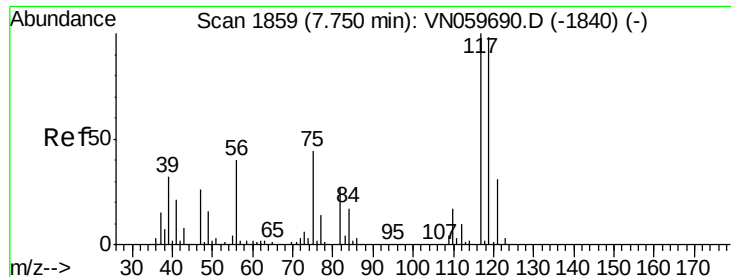
Tot Ion: 75 Resp: 14395
 Ion Ratio Lower Upper
 75 100
 110 9.8 16.6 49.7#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 0.341 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.08 min
 Lab File: VN059876.D
 Acq: 27 Jan 2020 16:39

Tgt Ion: 43 Resp: 898
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 0.0 7.7 11.5#





#38

Carbon Tetrachloride

Concen: 6.314 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059876.D

Acq: 27 Jan 2020 16:39

Instrument :

MSVOA_N

ClientSampled :

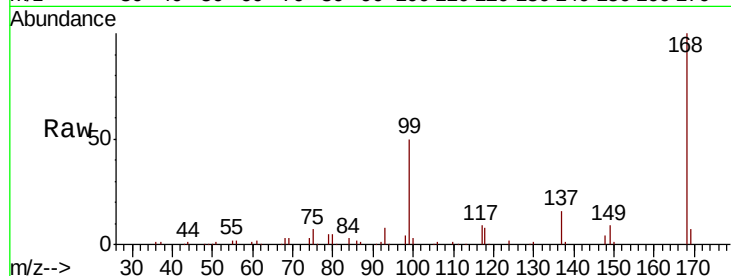
Tot Ion:117 Resp: 19307

Ion Ratio Lower Upper

117 100

119 4.9 76.5 114.7#

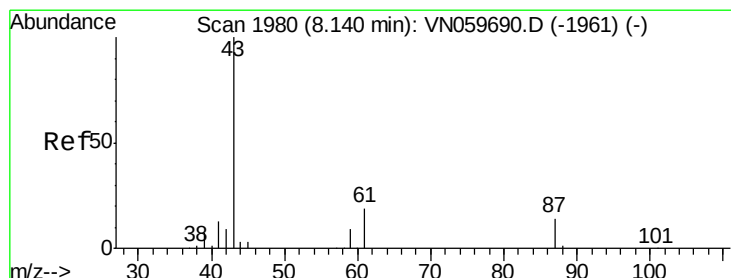
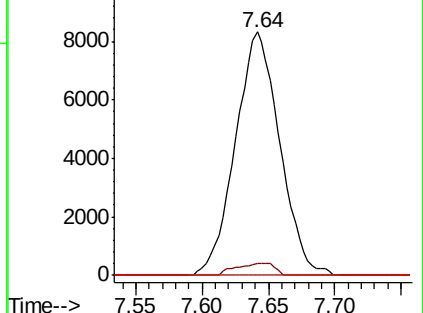
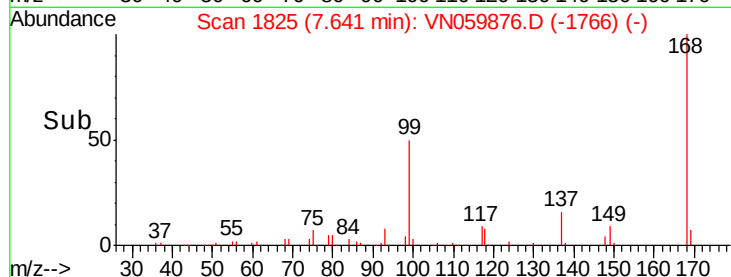
121 0.0 25.1 37.7#



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: 8.537 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059876.D

Acq: 27 Jan 2020 16:39

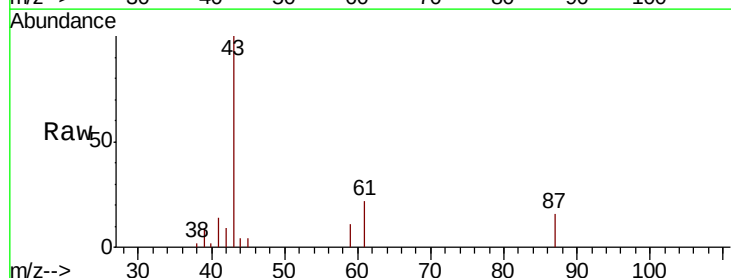
Tgt Ion: 43 Resp: 38716

Ion Ratio Lower Upper

43 100

61 20.6 20.2 30.2

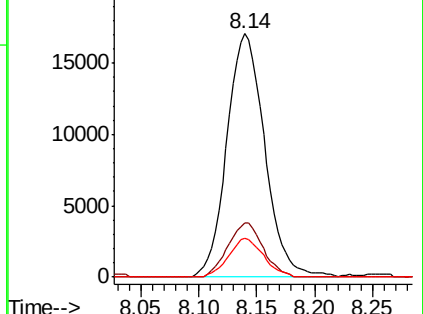
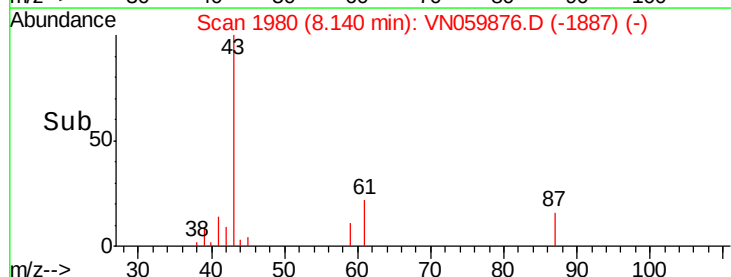
87 14.6 9.5 14.3#

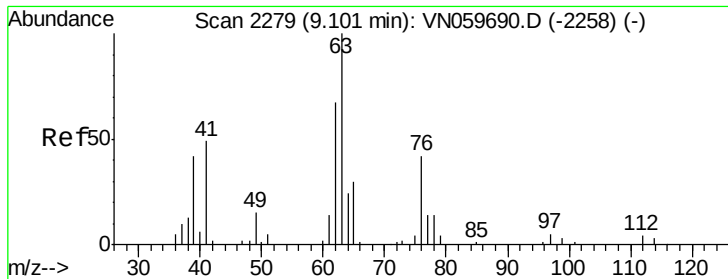


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

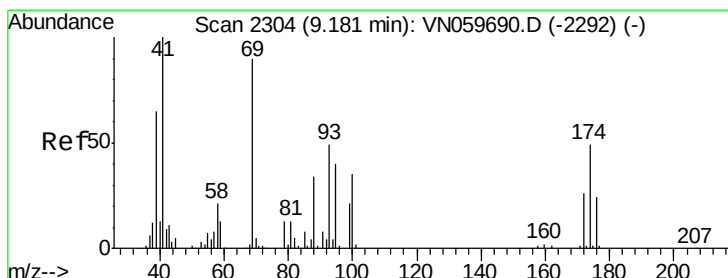
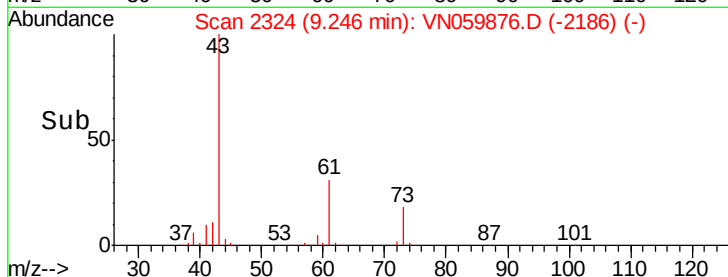
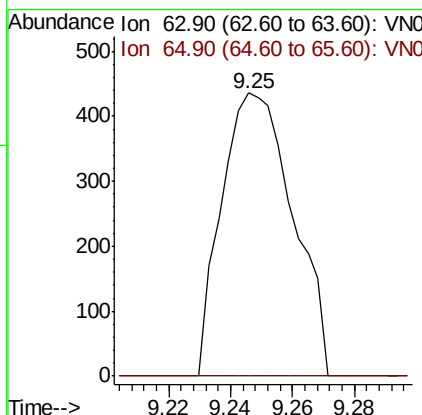
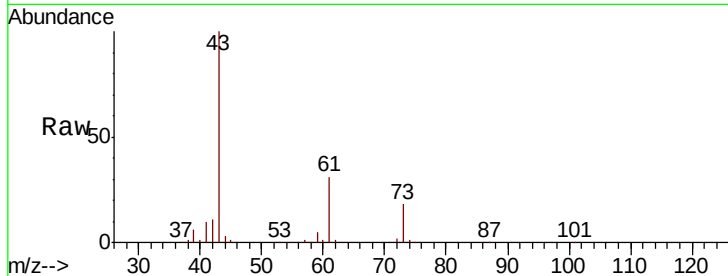




#45
 1,2-Dichloropropane
 Concen: 0.335 ug/l
 RT: 9.25 min Scan# 2324
 Delta R.T. 0.14 min
 Lab File: VN059876.D
 Acq: 27 Jan 2020 16:39

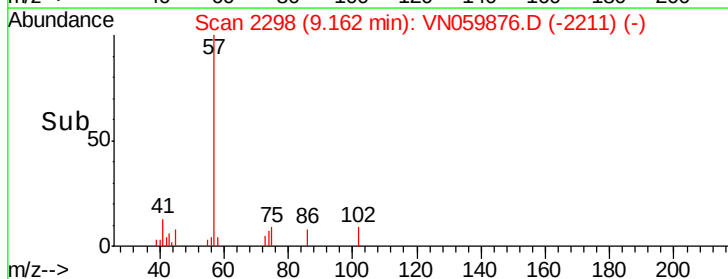
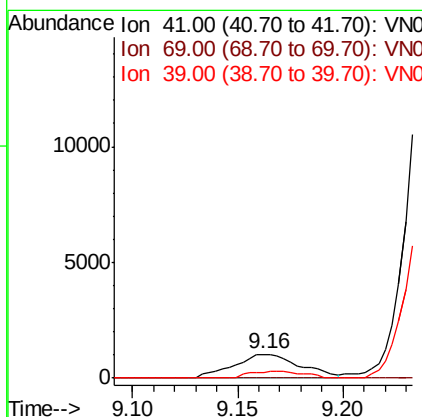
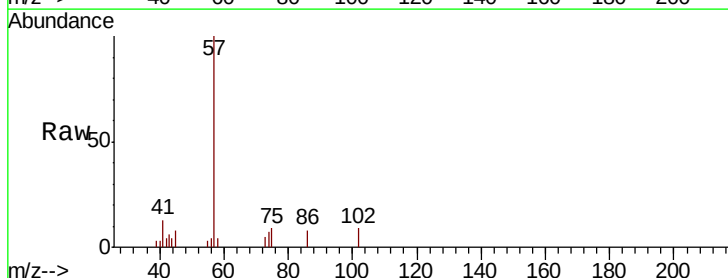
Instrument :
 MSVOA_N
 ClientSampleId :

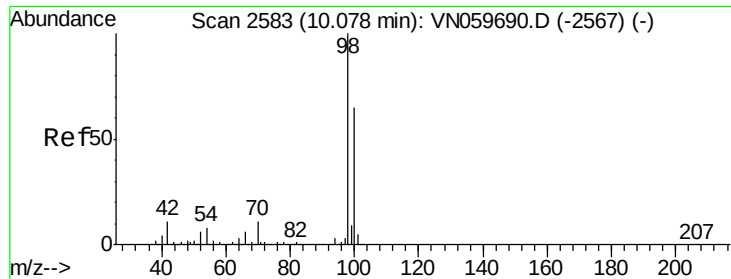
Tot Ion: 63 Resp: 696
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.9 37.3#



#48
 Methyl methacrylate
 Concen: 1.115 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.02 min
 Lab File: VN059876.D
 Acq: 27 Jan 2020 16:39

Tgt Ion: 41 Resp: 2261
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 51.3 76.9#

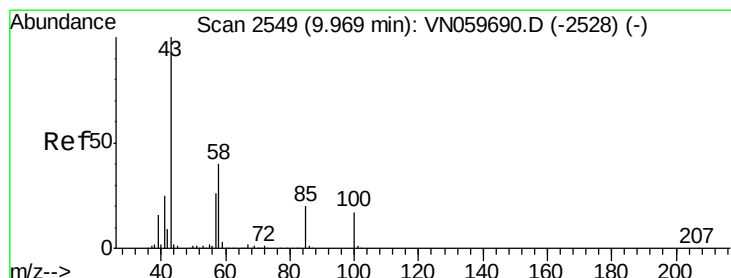
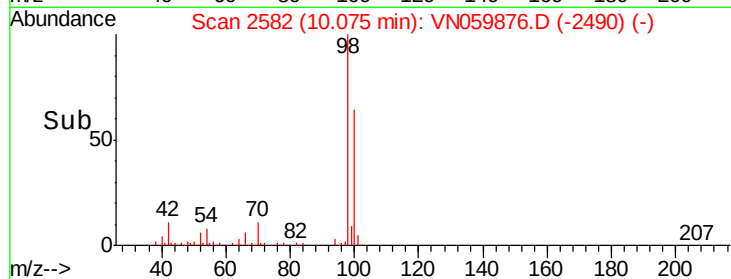
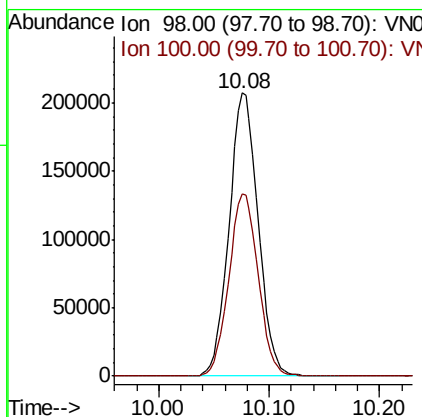
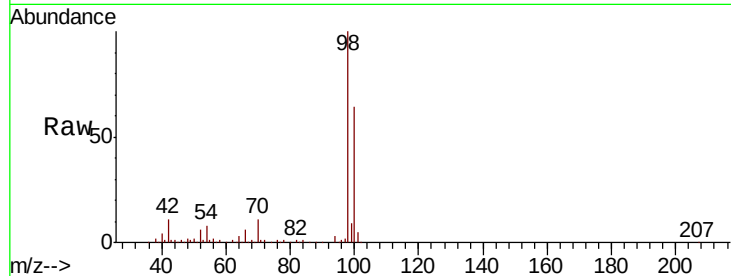




#50
Toluene-d8
Concen: 50.702 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059876.D
Acq: 27 Jan 2020 16:39

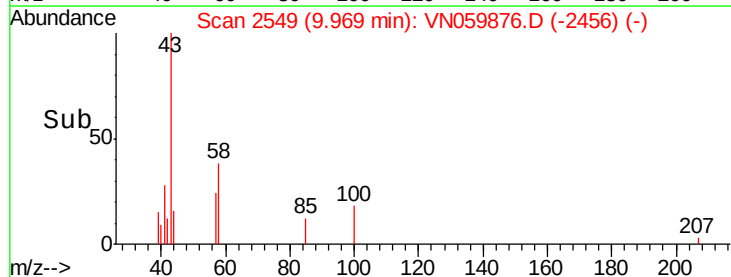
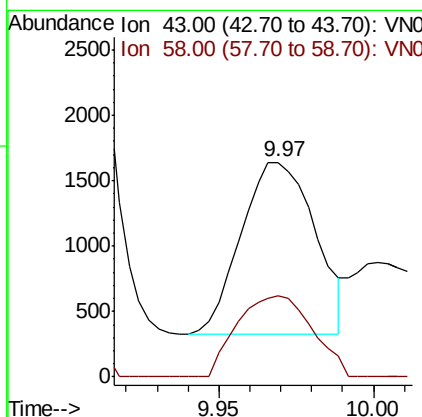
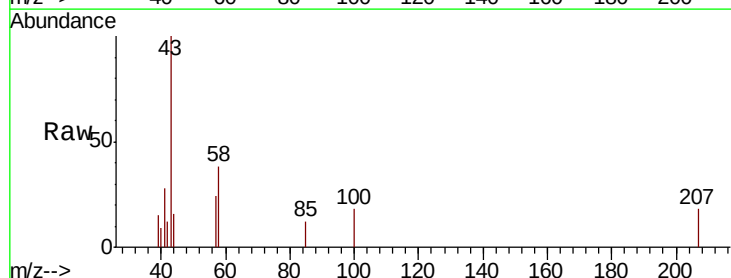
Instrument :
MSVOA_N
ClientSampled :

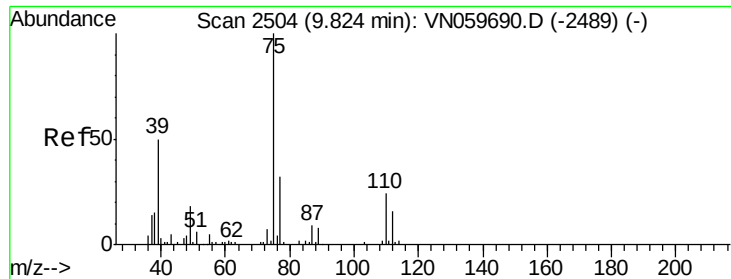
Tot Ion: 98 Resp: 378180
Ion Ratio Lower Upper
98 100
100 65.0 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.829 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN059876.D
Acq: 27 Jan 2020 16:39

Tgt Ion: 43 Resp: 2174
Ion Ratio Lower Upper
43 100
58 48.0 29.8 44.8#





#54

cis-1,3-Dichloropropene

Concen: 5.376 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN059876.D

Acq: 27 Jan 2020 16:39

Instrument :

MSVOA_N

ClientSampled :

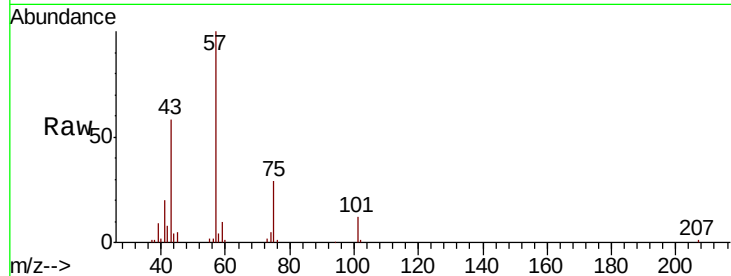
Tot Ion: 75 Resp: 18626

Ion Ratio Lower Upper

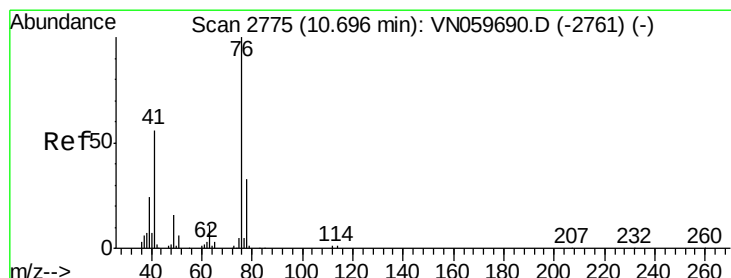
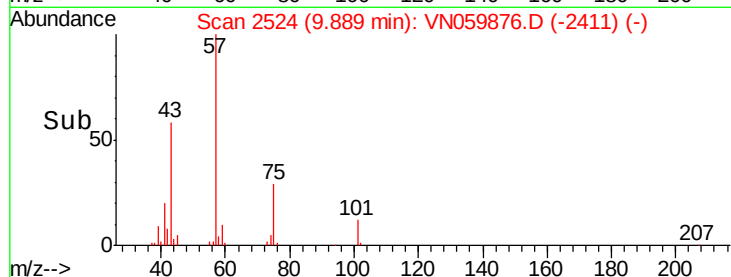
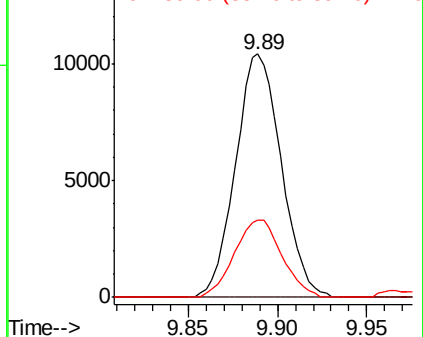
75 100

77 0.0 25.1 37.7#

39 31.8 46.1 69.1#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#57

1,3-Dichloropropane

Concen: 0.717 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN059876.D

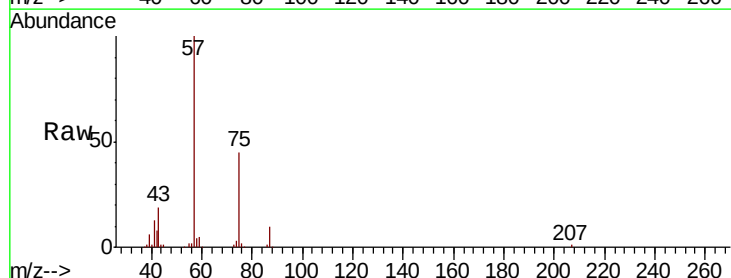
Acq: 27 Jan 2020 16:39

Tgt Ion: 76 Resp: 2386

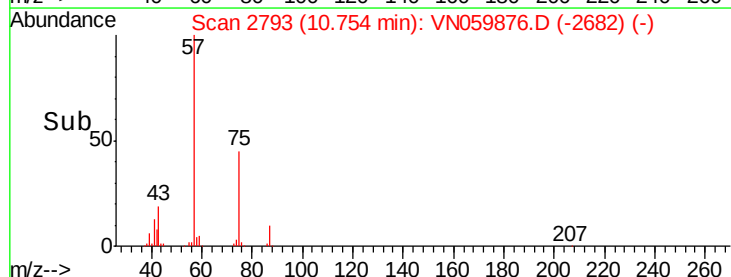
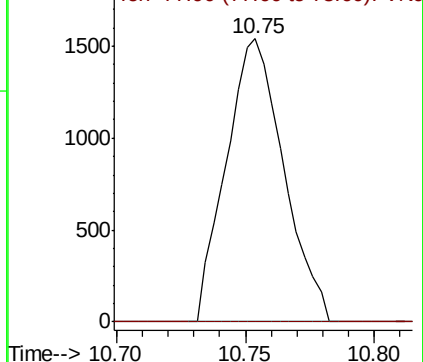
Ion Ratio Lower Upper

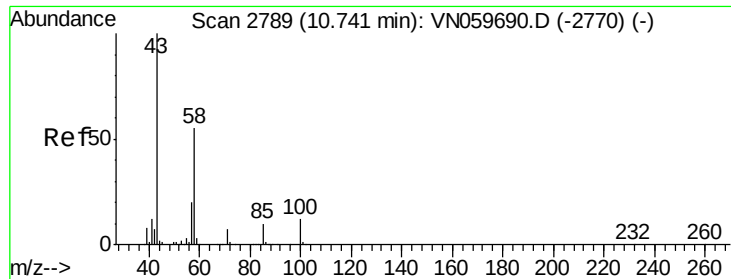
76 100

78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO

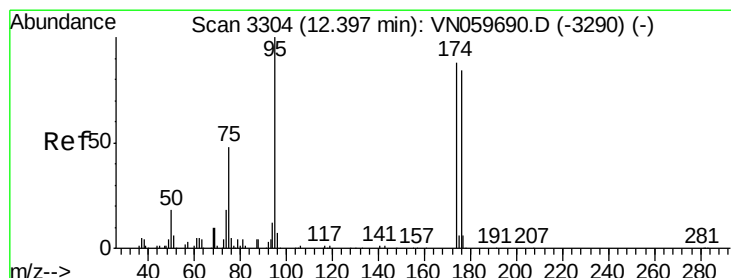
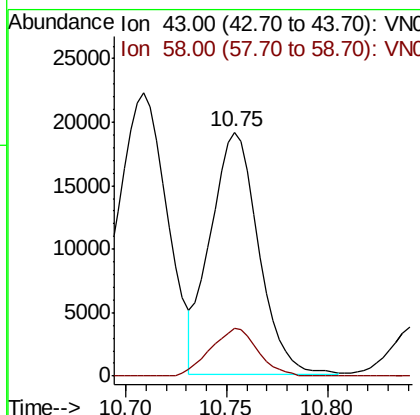
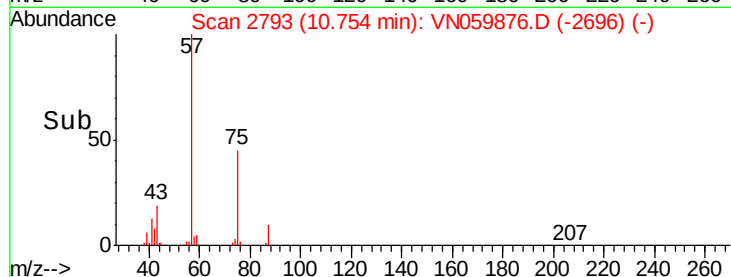
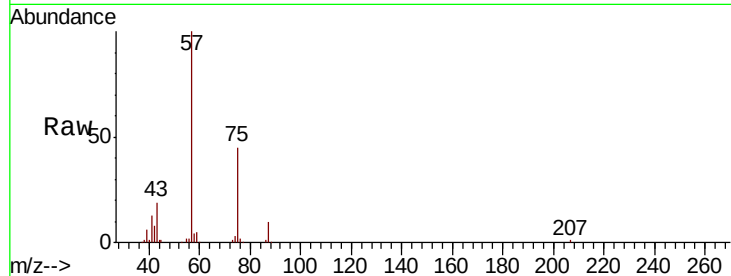




#59
2-Hexanone
Concen: 16.467 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN059876.D
Acq: 27 Jan 2020 16:39

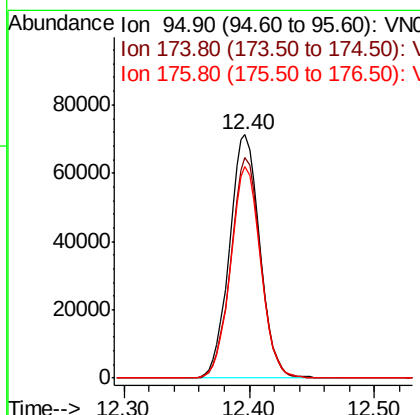
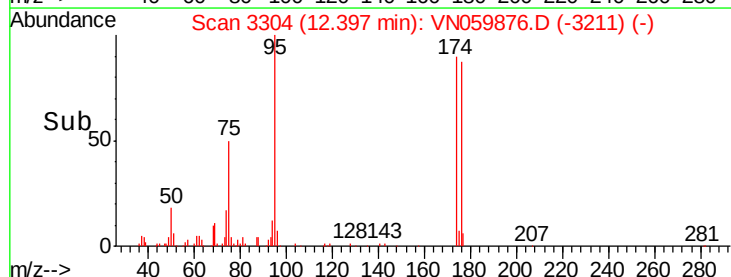
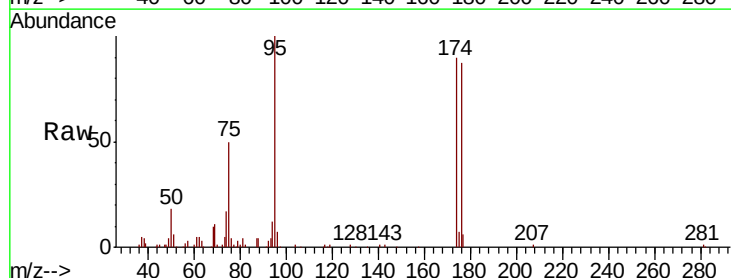
Instrument :
MSVOA_N
ClientSampled :

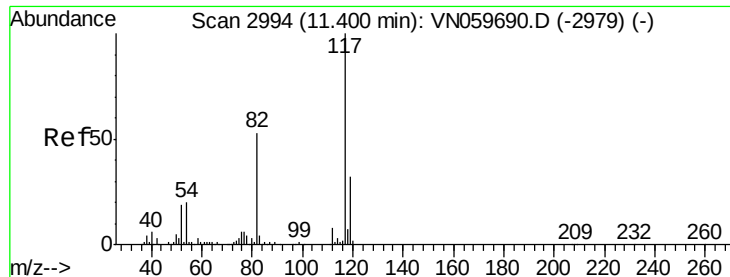
Tot Ion: 43 Resp: 31805
Ion Ratio Lower Upper
43 100
58 19.3 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 44.437 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059876.D
Acq: 27 Jan 2020 16:39

Tgt Ion: 95 Resp: 119487
Ion Ratio Lower Upper
95 100
174 89.3 0.0 151.4
176 86.0 0.0 146.0

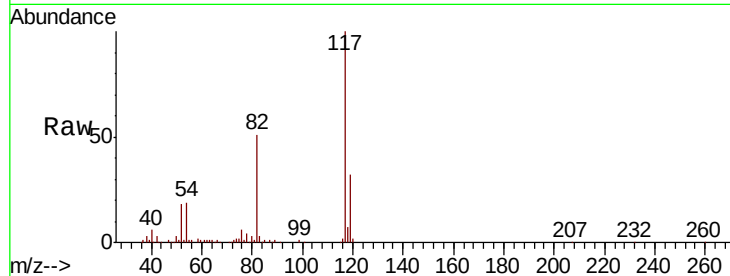




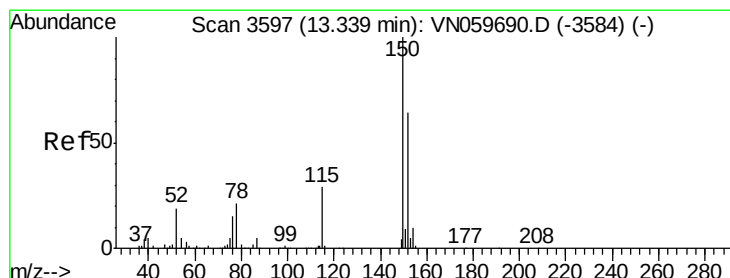
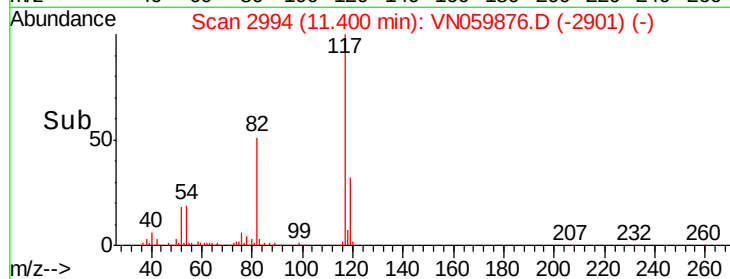
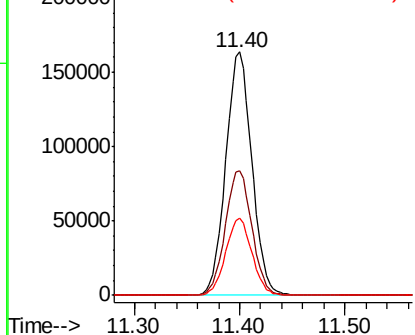
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059876.D
Acq: 27 Jan 2020 16:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 279945
Ion Ratio Lower Upper
117 100
82 51.4 45.9 68.9
119 31.5 25.5 38.3

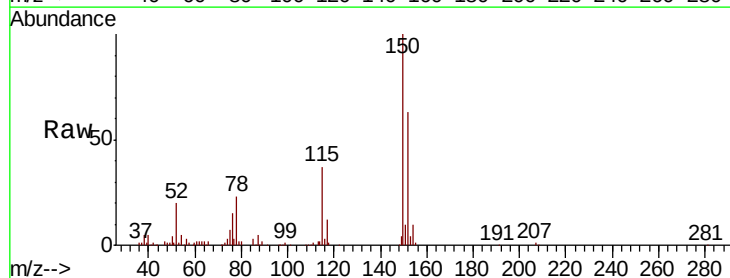


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

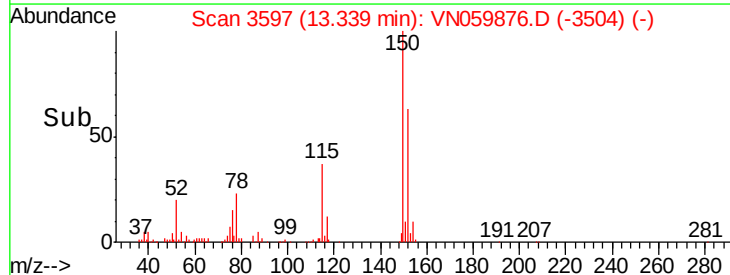
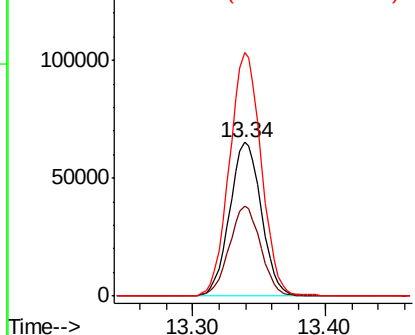


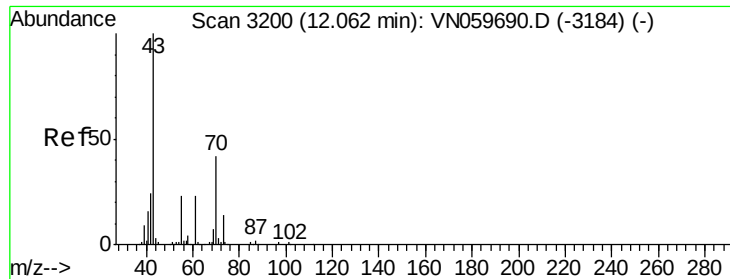
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059876.D
Acq: 27 Jan 2020 16:39

Tgt Ion:152 Resp: 108834
Ion Ratio Lower Upper
152 100
115 58.1 30.3 90.9
150 158.6 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

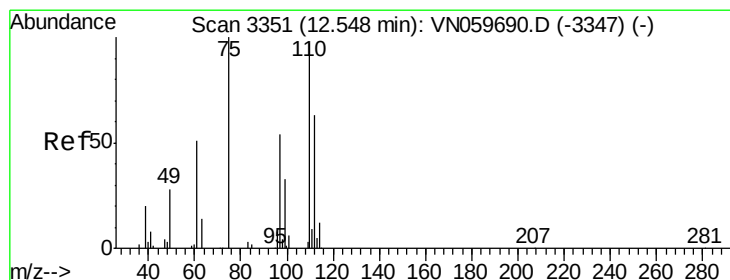
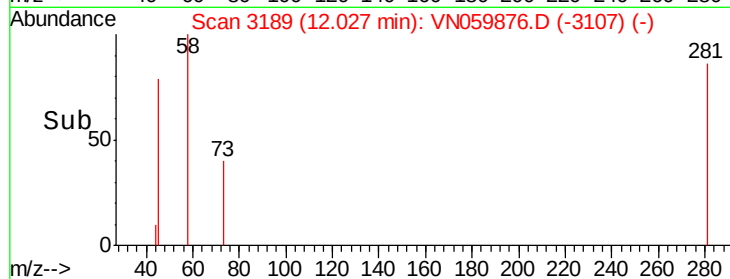
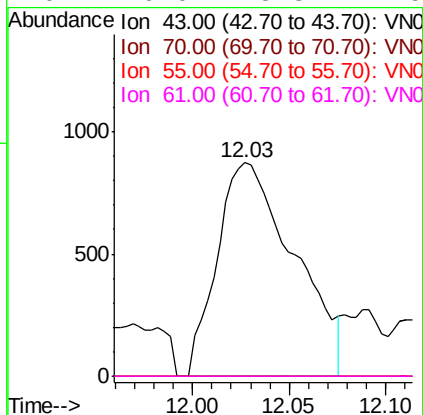
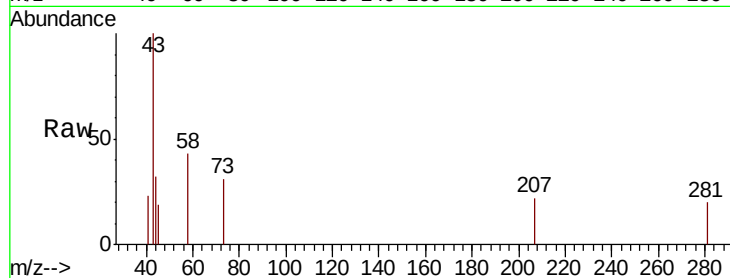




#74
N-amyl acetate
Concen: 0.783 ug/l
RT: 12.03 min Scan# 3189
Delta R.T. -0.04 min
Lab File: VN059876.D
Acq: 27 Jan 2020 16:39

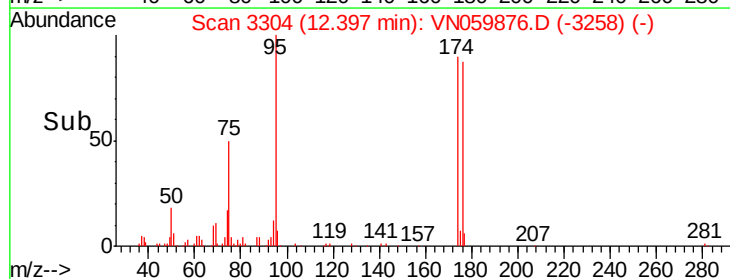
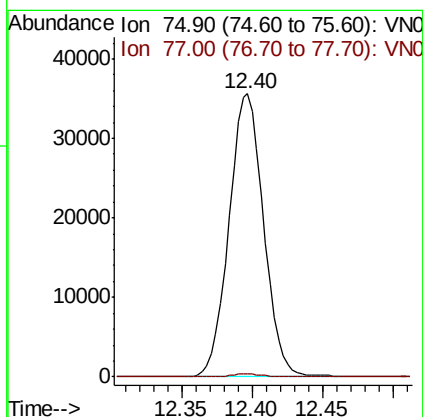
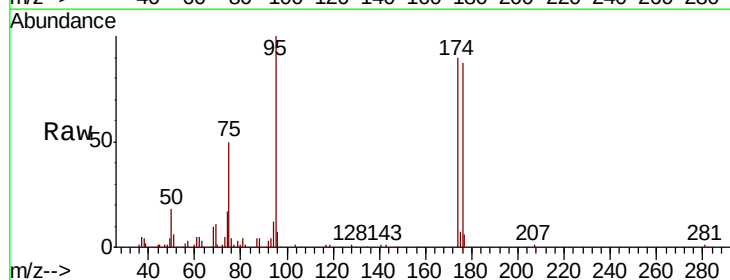
Instrument :
MSVOA_N
ClientSampled :

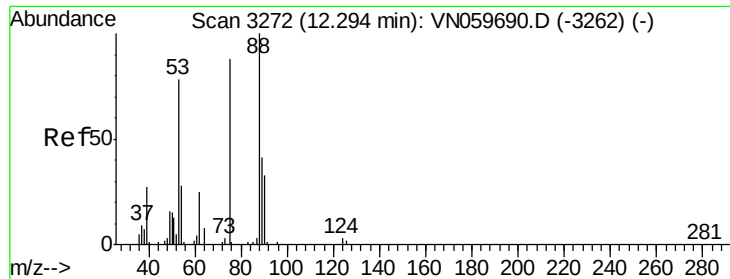
Tot Ion: 43 Resp: 2425
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 0.0 19.8 29.6#
61 0.0 18.3 27.5#



#76
1,2,3-Trichloropropane
Concen: 33.326 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN059876.D
Acq: 27 Jan 2020 16:39

Tgt Ion: 75 Resp: 61038
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#

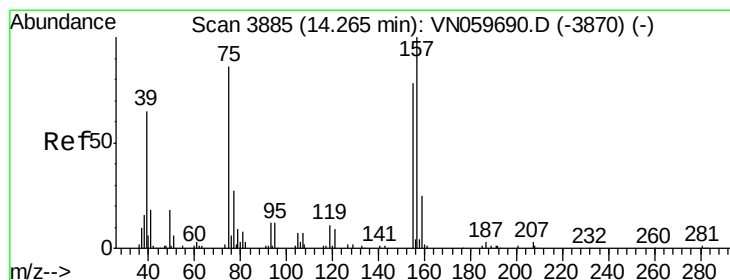
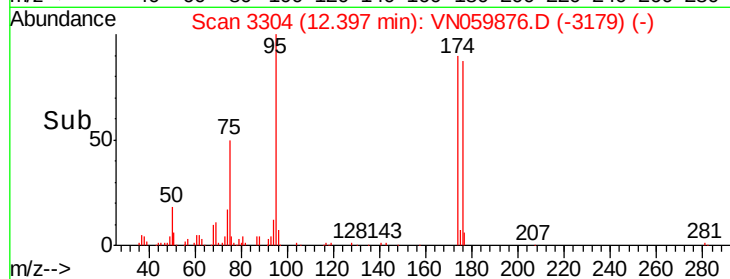
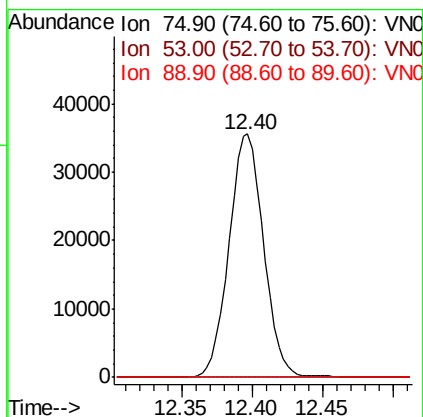
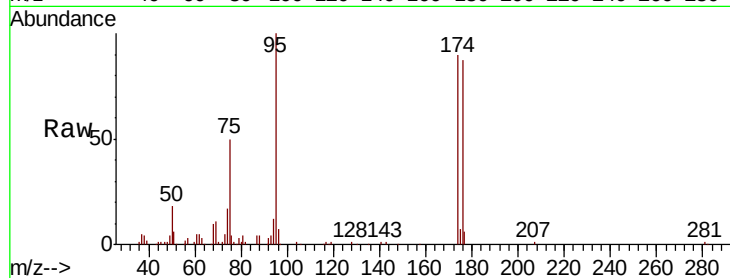




#81
trans-1,4-Dichloro-2-butene
Concen: 71.567 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN059876.D
Acq: 27 Jan 2020 16:39

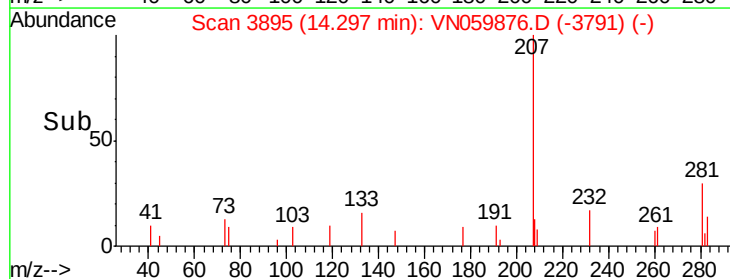
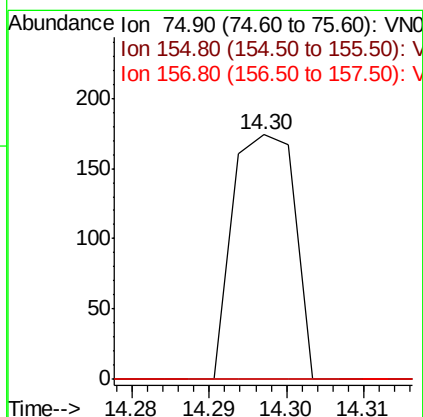
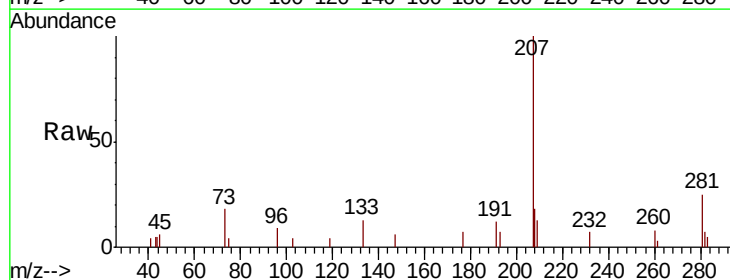
Instrument :
MSVOA_N
ClientSampleId :

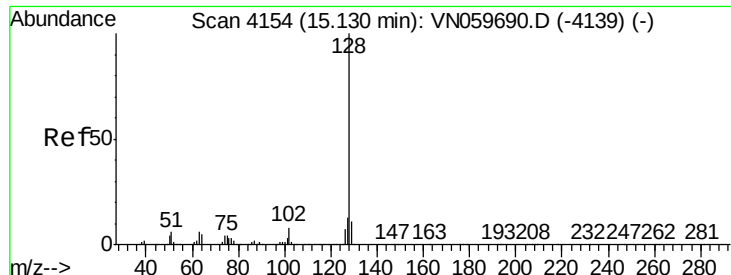
Tot Ion: 75 Resp: 61038
Ion Ratio Lower Upper
75 100
53 0.0 78.1 117.1#
89 0.0 35.4 53.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.30 min Scan# 3895
Delta R.T. 0.03 min
Lab File: VN059876.D
Acq: 27 Jan 2020 16:39

Tgt Ion: 75 Resp: 97
Ion Ratio Lower Upper
75 100
155 0.0 37.0 110.9#
157 0.0 48.4 145.2#

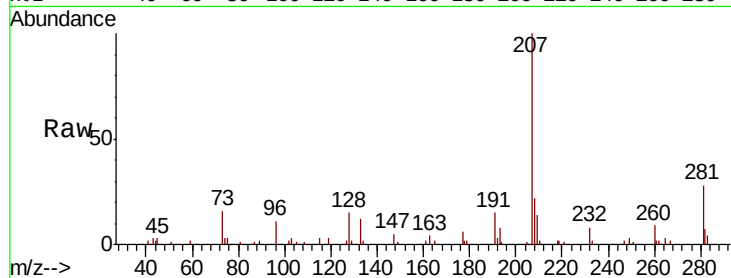




#95
Naphthalene
Concen: 0.540 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059876.D
Acq: 27 Jan 2020 16:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	9.5	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

