

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070920\
 Data File : VN062477.D
 Acq On : 10 Jul 2020 00:16
 Operator : JC/MD
 Sample : L3186-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-070820

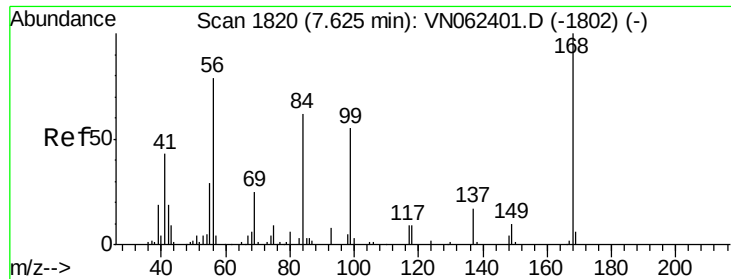
Quant Time: Jul 10 02:12:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	201082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	369967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	353348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	132144	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	155429	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
35) Dibromofluoromethane	7.55	113	115901	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
50) Toluene-d8	10.06	98	476095	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
62) 4-Bromofluorobenzene	12.38	95	171895	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	22118	16.844	ug/l	95
18) Methyl Acetate	4.27	43	3161	0.965	ug/l #	82
20) Methylene Chloride	4.50	84	15946	5.680	ug/l	93
25) 2-Butanone	6.80	43	1908	0.995	ug/l	99
29) Tetrahydrofuran	7.17	42	811	0.628	ug/l #	39
31) Cyclohexane	7.63	56	4796	1.021	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	17741	4.760	ug/l #	51
37) Ethyl Acetate	6.80	43	1908	0.438	ug/l #	70
38) Carbon Tetrachloride	7.63	117	20961	6.255	ug/l #	16
41) Methacrylonitrile	7.18	41	436	0.239	ug/l #	19
43) Isopropyl Acetate	8.13	43	78118	11.346	ug/l #	92
45) 1,2-Dichloropropane	9.24	63	1475	0.463	ug/l #	44
48) Methyl methacrylate	9.14	41	4178	1.237	ug/l #	17
51) 4-Methyl-2-Pentanone	9.95	43	8147	1.981	ug/l	99
54) cis-1,3-Dichloropropene	9.87	75	30243	6.359	ug/l #	60
56) Ethyl methacrylate	10.51	69	1224	1.969	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	5073	1.100	ug/l #	43
59) 2-Hexanone	10.74	43	80761	27.051	ug/l #	54
74) N-amyl acetate	12.01	43	3877	0.779	ug/l #	46
76) 1,2,3-Trichloropropane	12.37	75	90038	27.769	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	90038	74.327	ug/l #	10
95) Naphthalene	15.10	128	906	Below Cal	#	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062477.D

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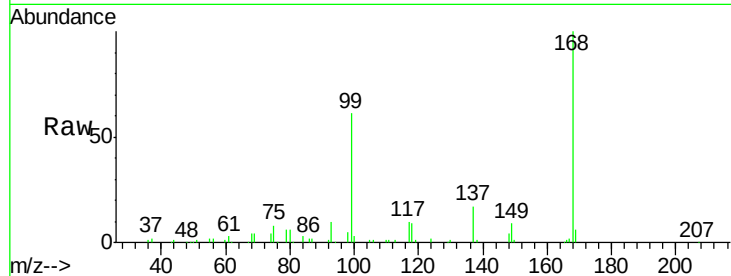
OR-02-070820

Tot Ion:168 Resp: 201082

Ion Ratio Lower Upper

168 100

99 60.6 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

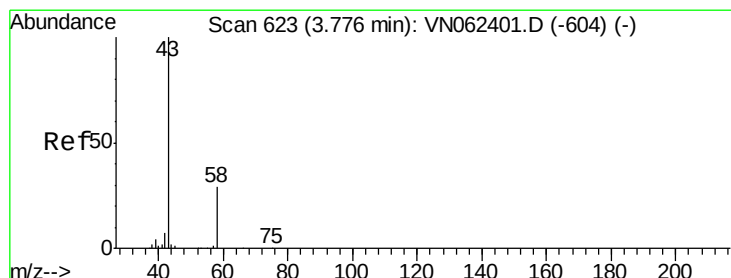
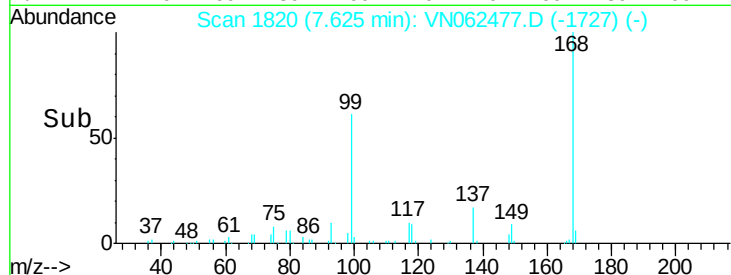
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 16.844 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062477.D

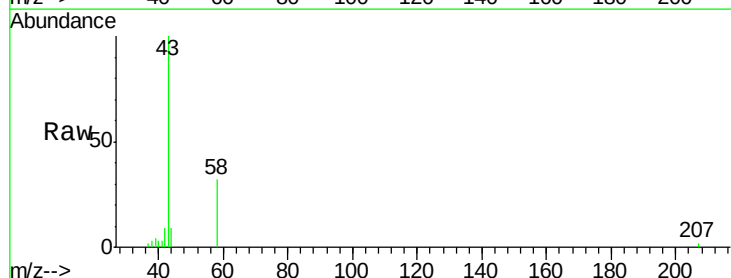
Acq: 10 Jul 2020 00:16

Tgt Ion: 43 Resp: 22118

Ion Ratio Lower Upper

43 100

58 32.3 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

8000

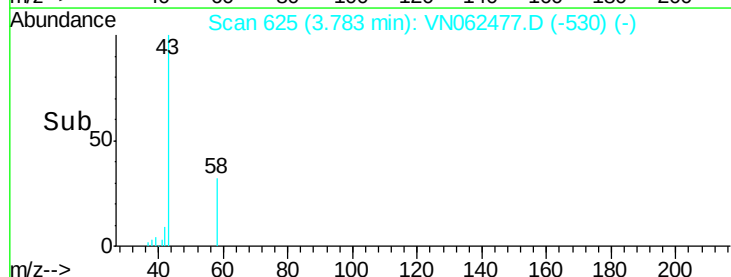
6000

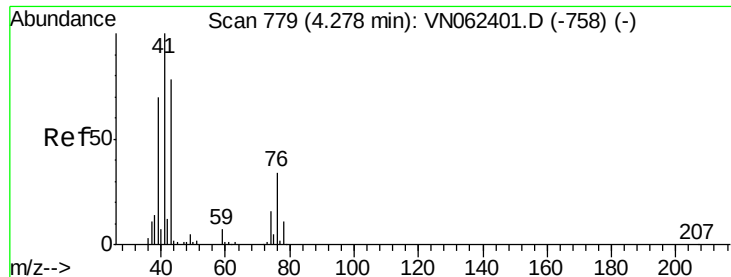
4000

2000

0

Time--> 3.70 3.75 3.80 3.85

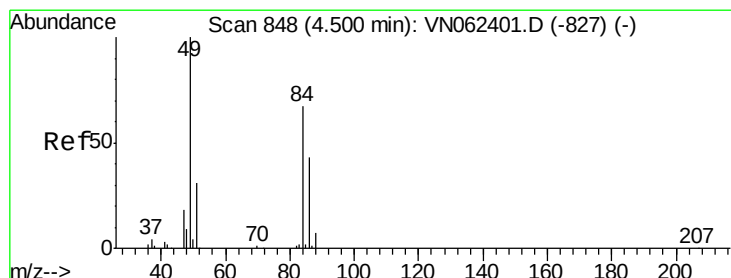
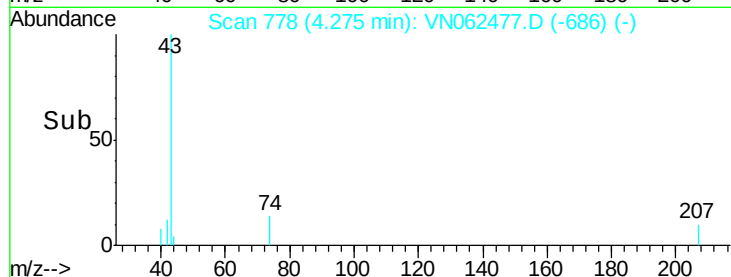
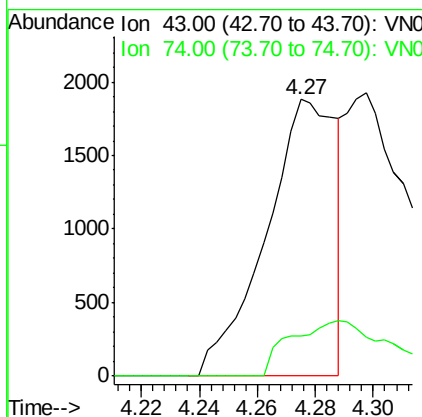
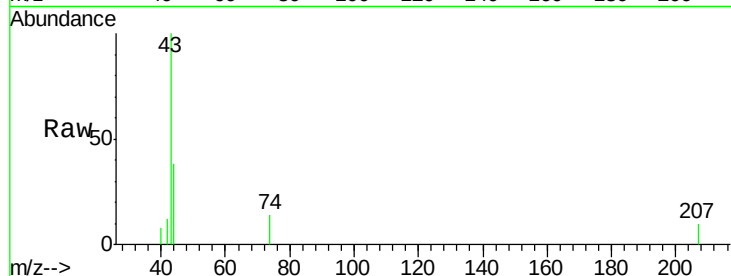




#18
Methyl Acetate
Concen: 0.965 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062477.D
Acq: 10 Jul 2020 00:16

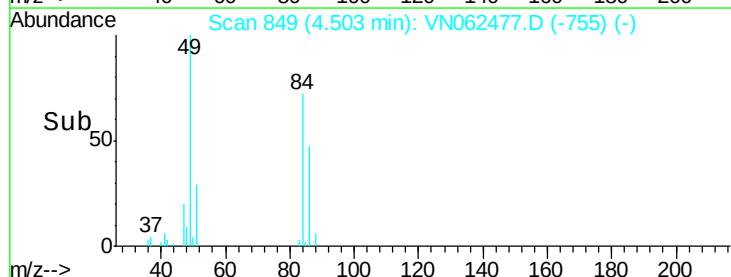
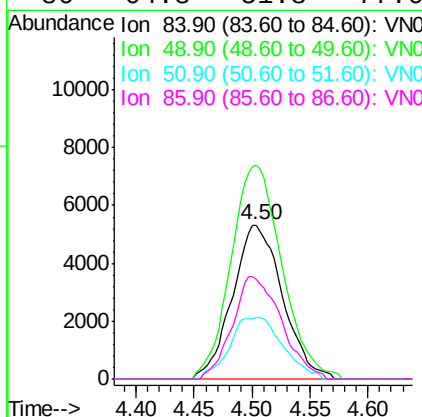
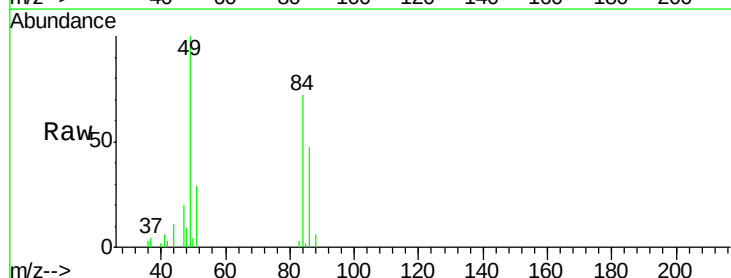
Instrument :
MSVOA_N
ClientSampleId :
OR-02-070820

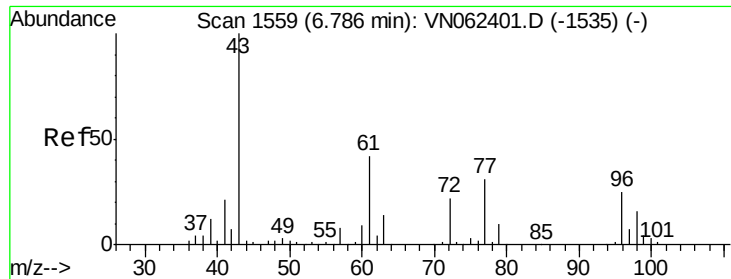
Tot Ion: 43 Resp: 3161
Ion Ratio Lower Upper
43 100
74 28.5 16.0 24.0#



#20
Methylene Chloride
Concen: 5.680 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062477.D
Acq: 10 Jul 2020 00:16

Tgt Ion: 84 Resp: 15946
Ion Ratio Lower Upper
84 100
49 138.9 120.0 180.0
51 40.2 37.0 55.6
86 64.8 51.8 77.6

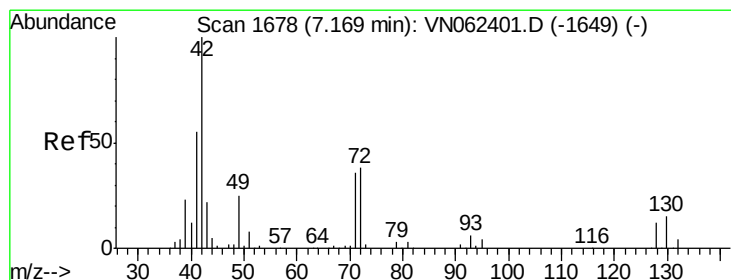
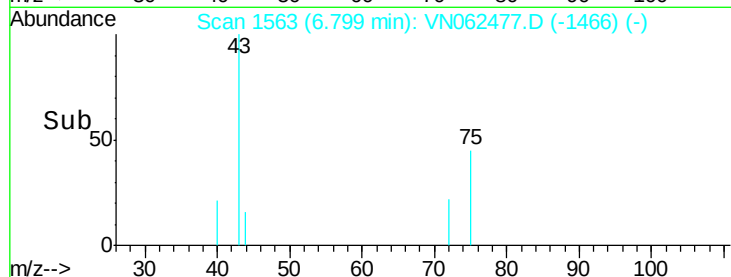
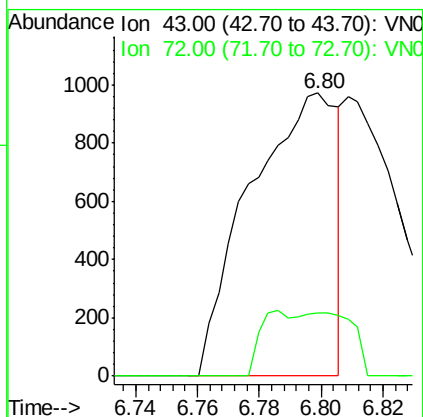
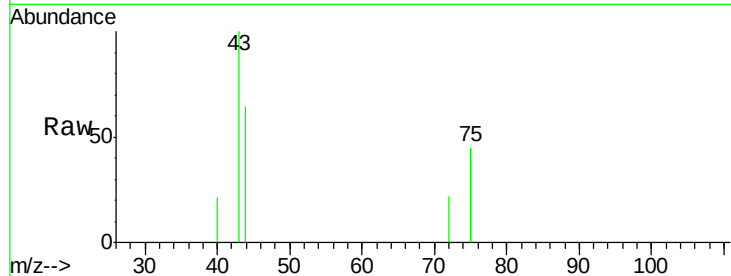




#25
2-Butanone
Concen: 0.995 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN062477.D
Acq: 10 Jul 2020 00:16

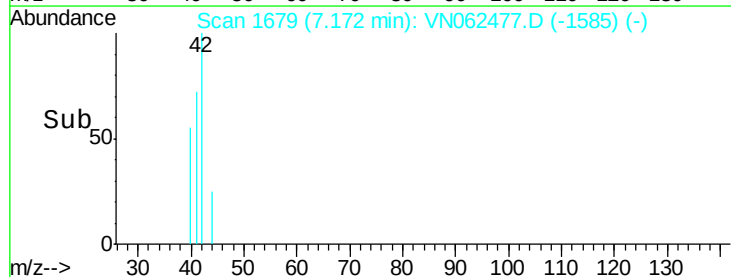
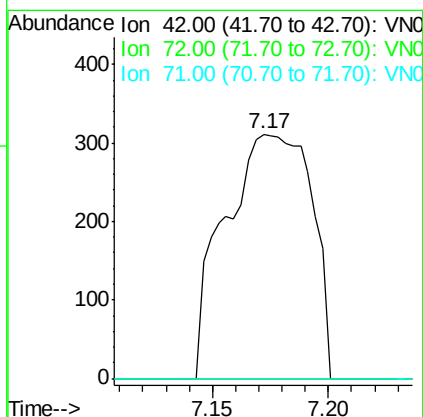
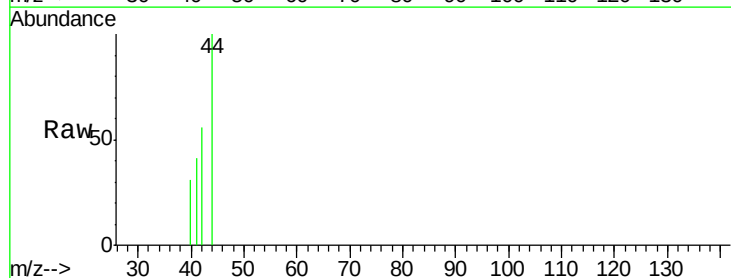
Instrument :
MSVOA_N
ClientSampled :
OR-02-070820

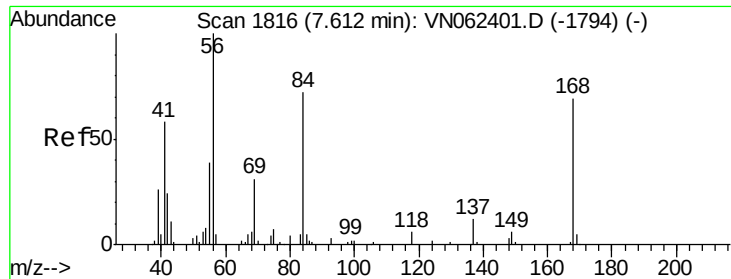
Tot Ion: 43 Resp: 1908
Ion Ratio Lower Upper
43 100
72 22.1 17.9 26.9



#29
Tetrahydrofuran
Concen: 0.628 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN062477.D
Acq: 10 Jul 2020 00:16

Tgt Ion: 42 Resp: 811
Ion Ratio Lower Upper
42 100
72 0.0 29.1 43.7#
71 0.0 28.1 42.1#

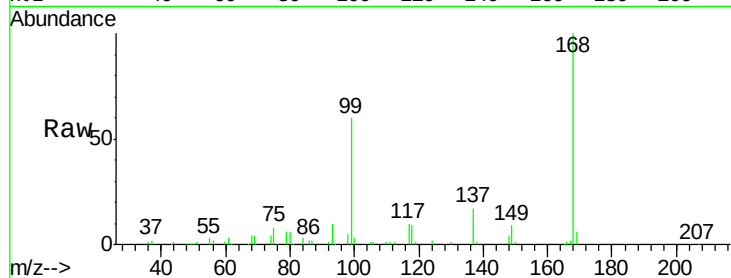




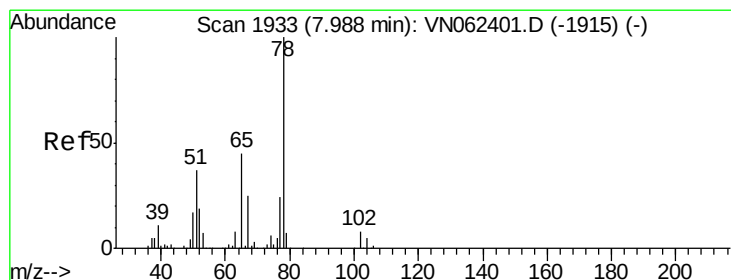
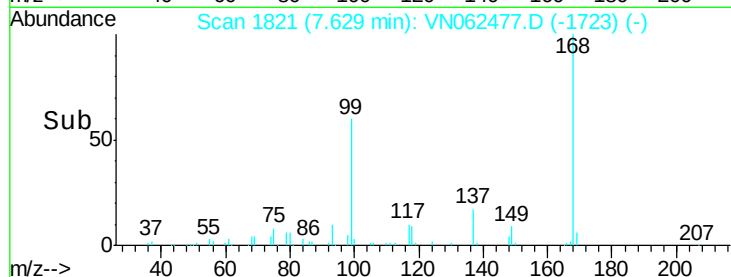
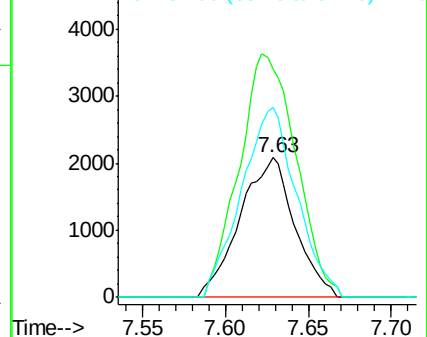
#31
Cyclohexane
Concen: 1.021 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062477.D
Acq: 10 Jul 2020 00:16

Instrument :
MSVOA_N
ClientSampleId :
OR-02-070820

Tot Ion: 56 Resp: 4796
Ion Ratio Lower Upper
56 100
69 163.6 24.5 36.7#
84 136.4 57.4 86.2#

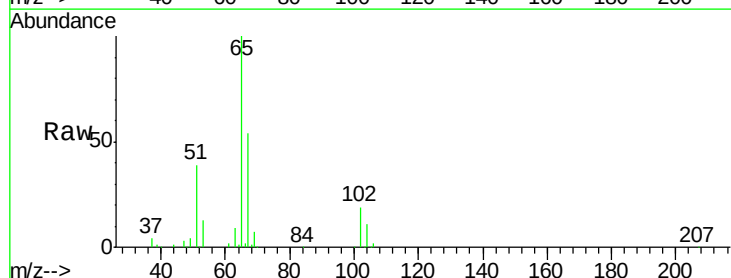


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

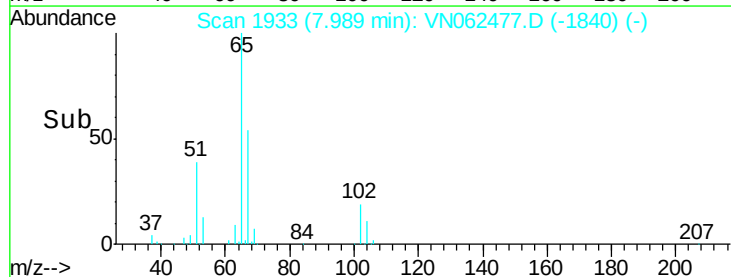
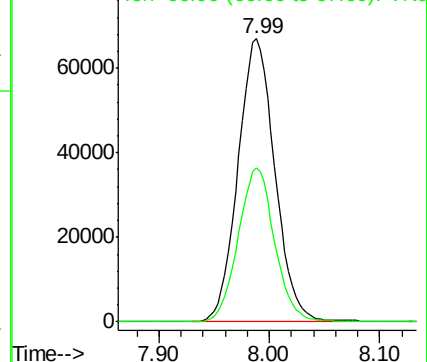


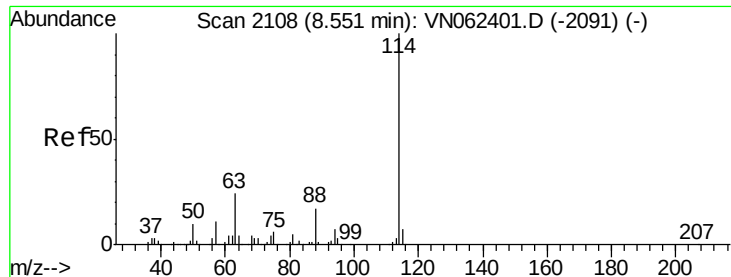
#33
1,2-Dichloroethane-d4
Concen: 50.254 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062477.D
Acq: 10 Jul 2020 00:16

Tgt Ion: 65 Resp: 155429
Ion Ratio Lower Upper
65 100
67 53.7 0.0 107.6



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

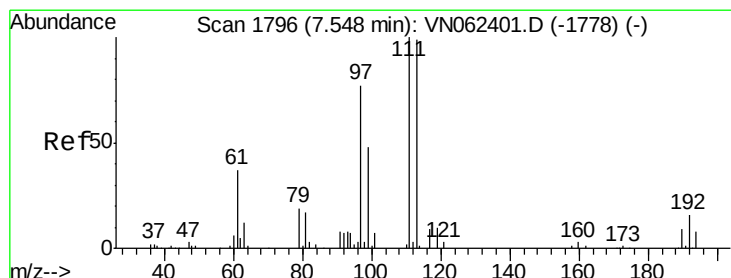
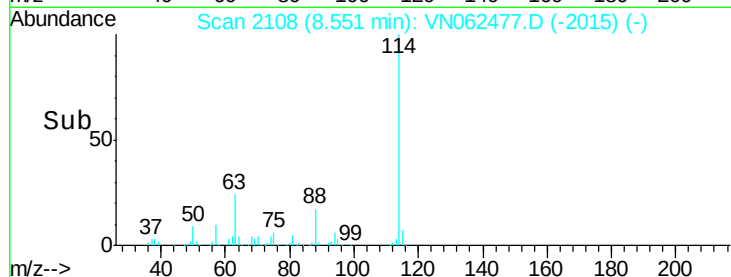
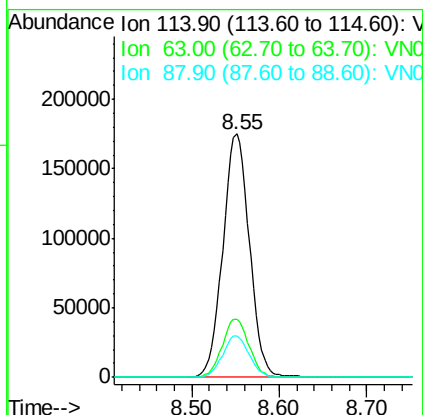
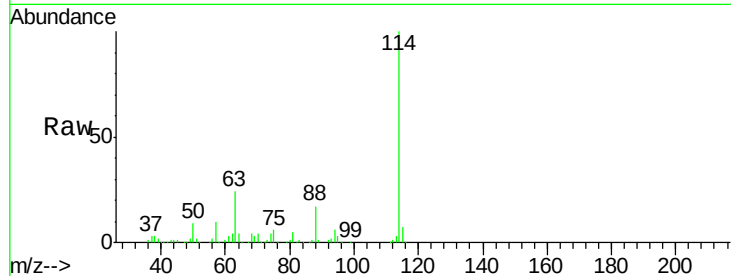




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062477.D
 Acq: 10 Jul 2020 00:16

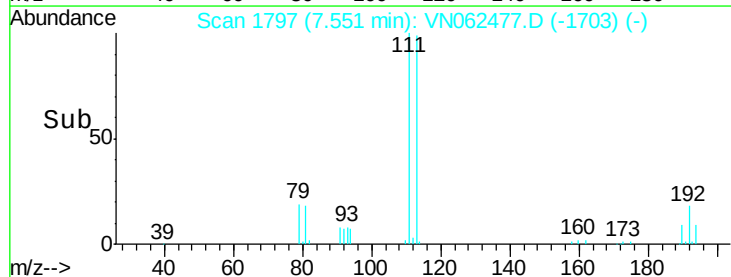
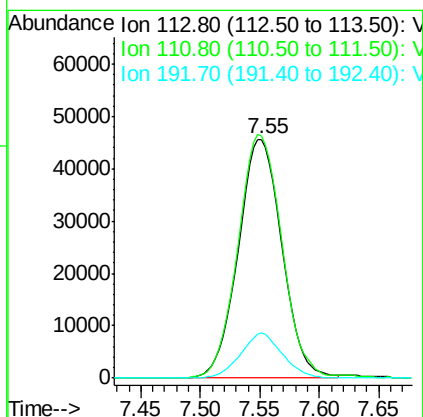
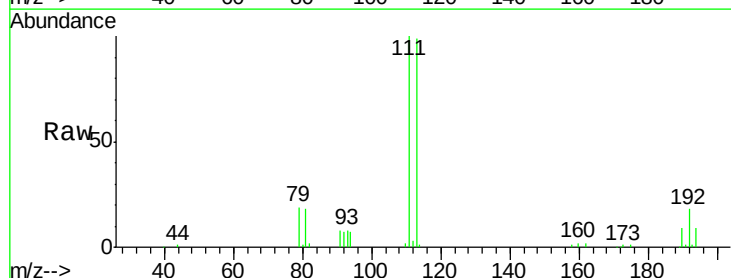
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-070820

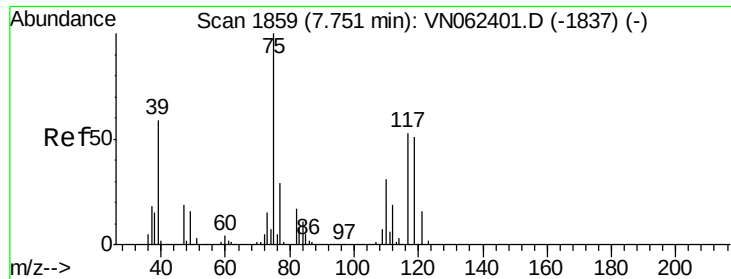
Tot Ion:114	Resp:	369967
Ion	Ratio	Lower Upper
114	100	
63	23.8	0.0 48.4
88	17.1	0.0 33.8



#35
 Dibromofluoromethane
 Concen: 50.680 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062477.D
 Acq: 10 Jul 2020 00:16

Tgt Ion:113	Resp:	115901
Ion	Ratio	Lower Upper
113	100	
111	102.6	83.1 124.7
192	18.0	14.1 21.1





#36

1,1-Dichloropropene

Concen: 4.760 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.13 min

Lab File: VN062477.D

Acq: 10 Jul 2020 00:16

Instrument :

MSVOA_N

ClientSampleId :

OR-02-070820

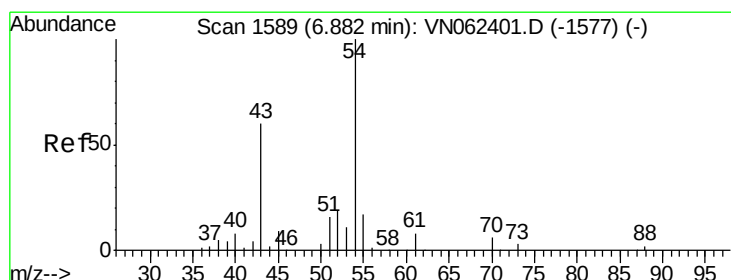
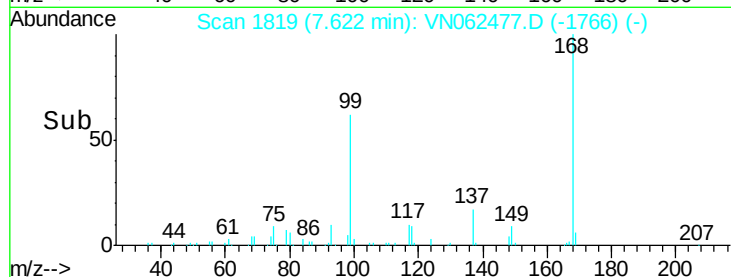
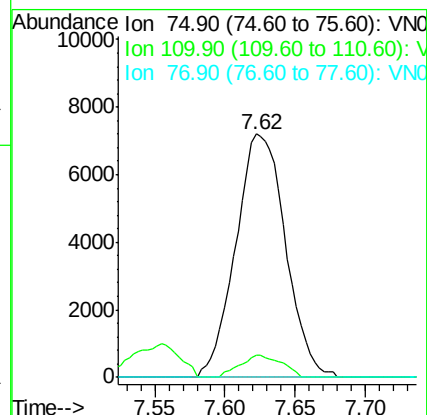
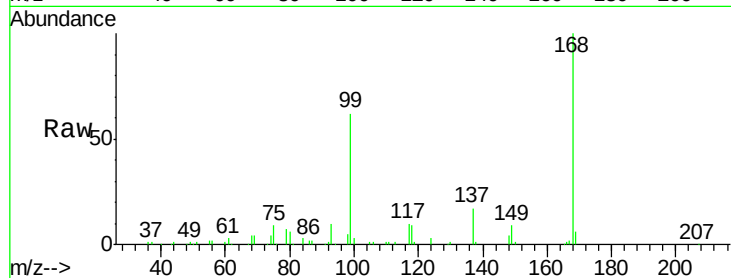
Tot Ion: 75 Resp: 17741

Ion Ratio Lower Upper

75 100

110 7.7 15.4 46.2#

77 0.0 24.1 36.1#



#37

Ethyl Acetate

Concen: 0.438 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.08 min

Lab File: VN062477.D

Acq: 10 Jul 2020 00:16

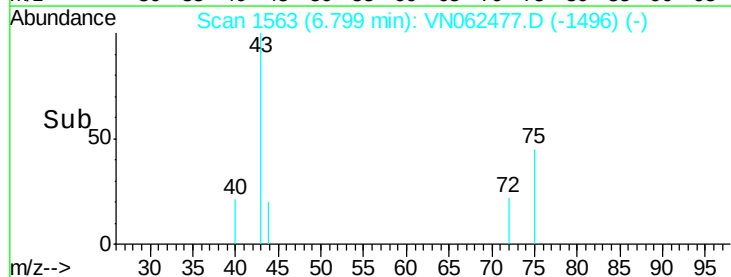
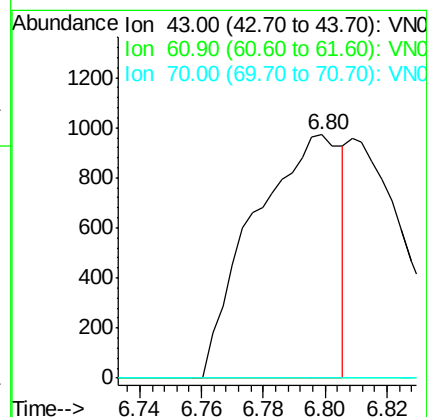
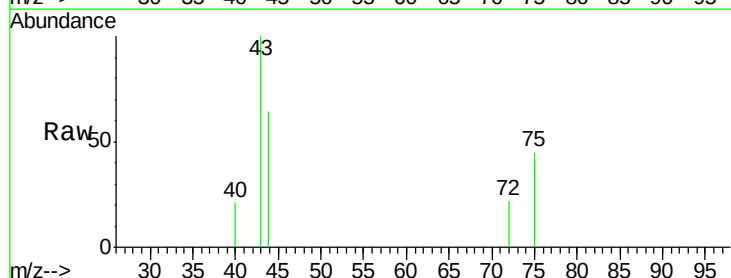
Tgt Ion: 43 Resp: 1908

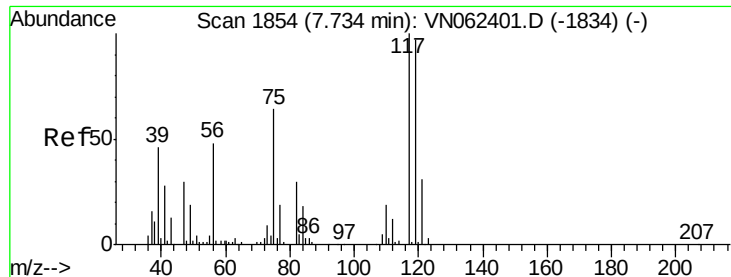
Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 7.2 10.8#





#38

Carbon Tetrachloride

Concen: 6.255 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062477.D

Acq: 10 Jul 2020 00:16

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OR-02-070820

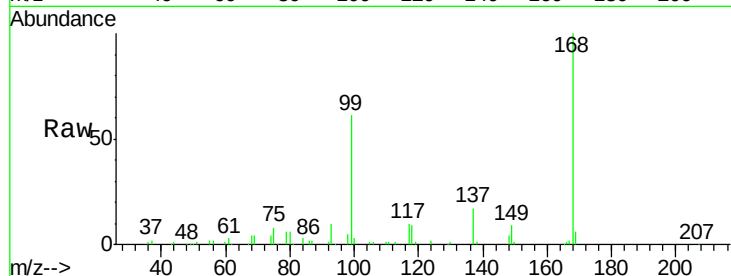
Tot Ion:117 Resp: 20961

Ion Ratio Lower Upper

117 100

119 5.2 77.2 115.8#

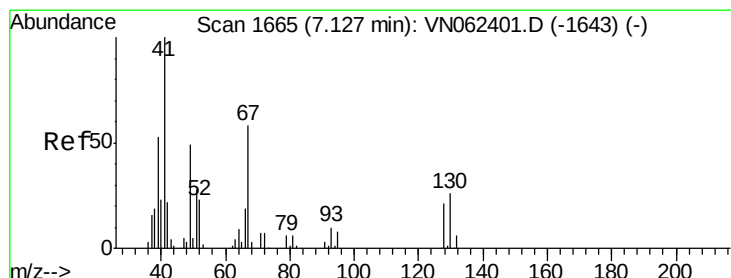
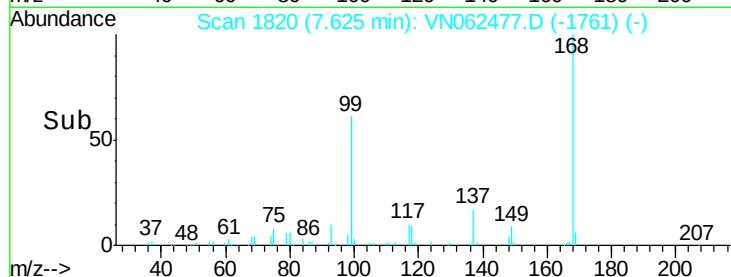
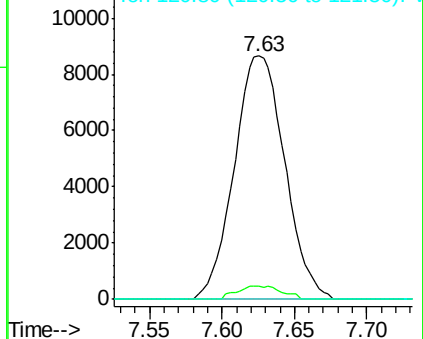
121 0.0 24.8 37.2#



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



#41

Methacrylonitrile

Concen: 0.239 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.05 min

Lab File: VN062477.D

Acq: 10 Jul 2020 00:16

Tgt Ion: 41 Resp: 436

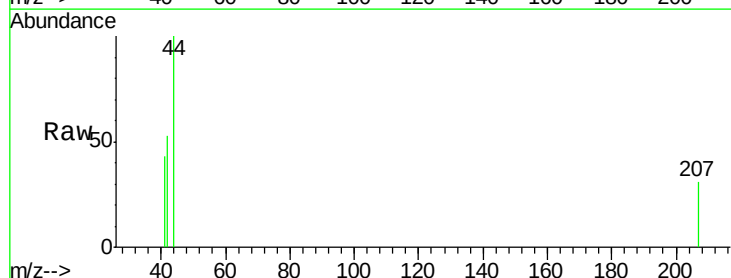
Ion Ratio Lower Upper

41 100

39 0.0 50.2 75.2#

67 0.0 64.2 96.2#

52 0.0 28.0 42.0#

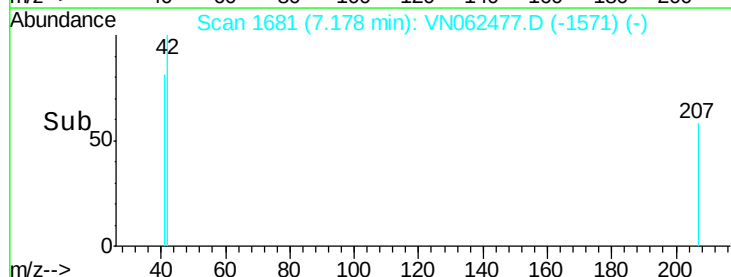
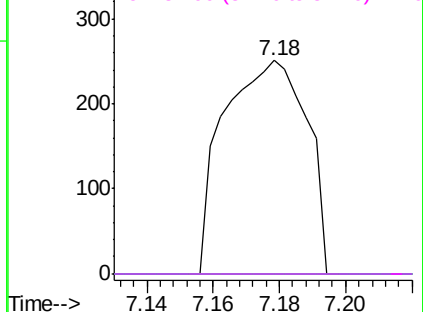


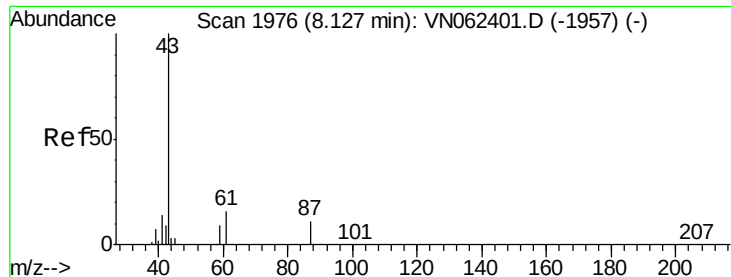
Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC





#43

Isopropyl Acetate

Concen: 11.346 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062477.D

Acq: 10 Jul 2020 00:16

Instrument :

MSVOA_N

ClientSampleId :

OR-02-070820

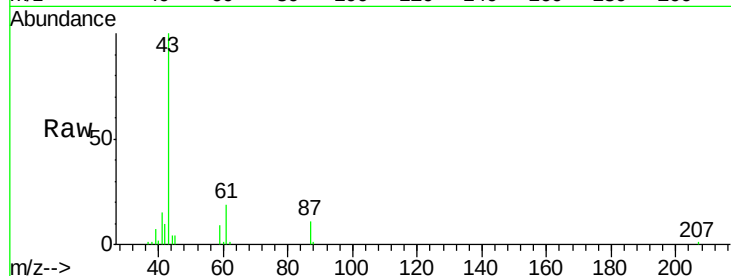
Tot Ion: 43 Resp: 78118

Ion Ratio Lower Upper

43 100

61 18.7 19.3 28.9#

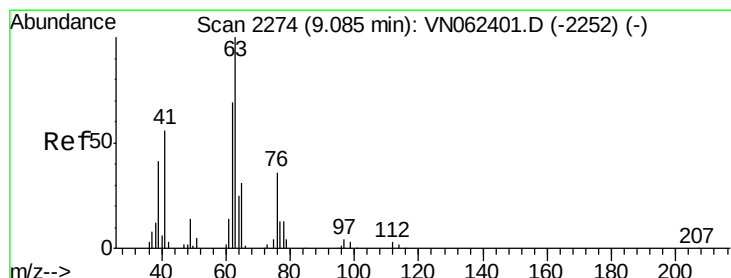
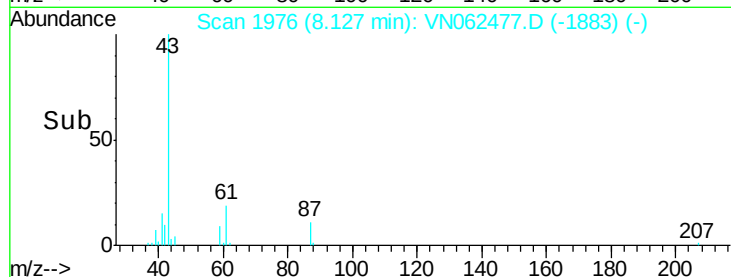
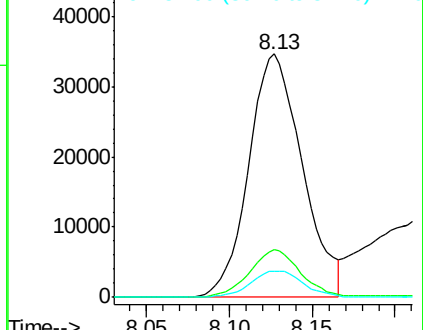
87 10.6 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN062401.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN062401.D (-1957) (-)



#45

1,2-Dichloropropane

Concen: 0.463 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.15 min

Lab File: VN062477.D

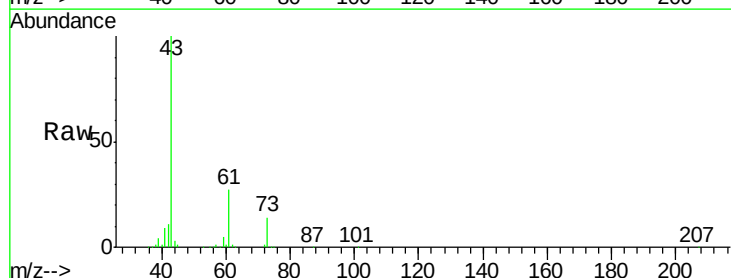
Acq: 10 Jul 2020 00:16

Tgt Ion: 63 Resp: 1475

Ion Ratio Lower Upper

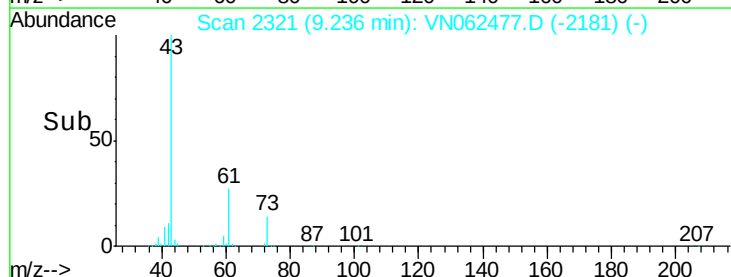
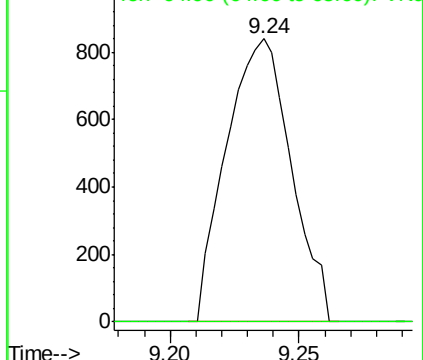
63 100

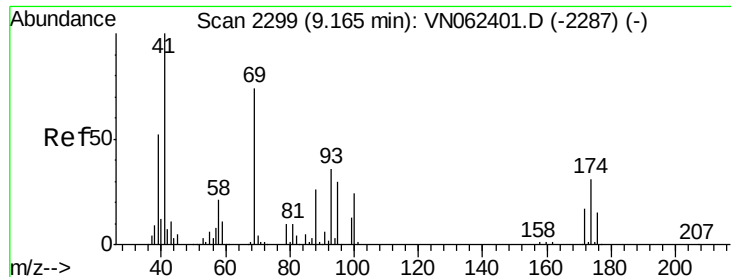
65 0.0 24.6 36.8#



Abundance Ion 62.90 (62.60 to 63.60): VN062401.D (-2252) (-)

Ion 64.90 (64.60 to 65.60): VN062401.D (-2252) (-)

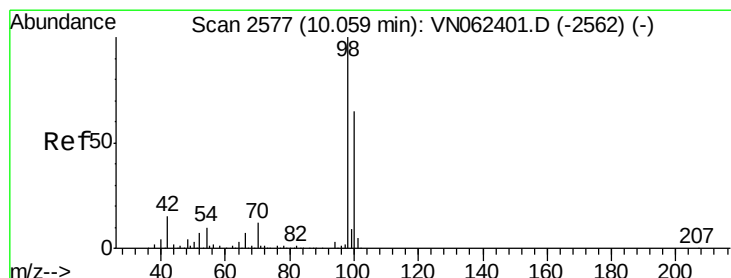
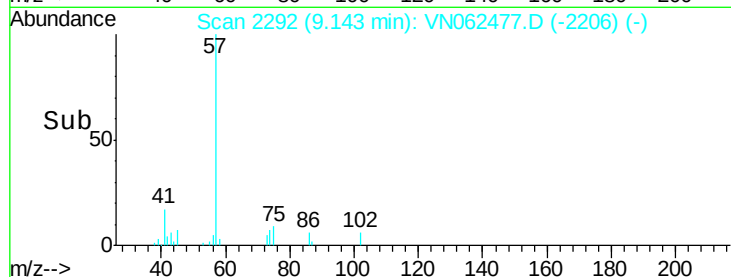
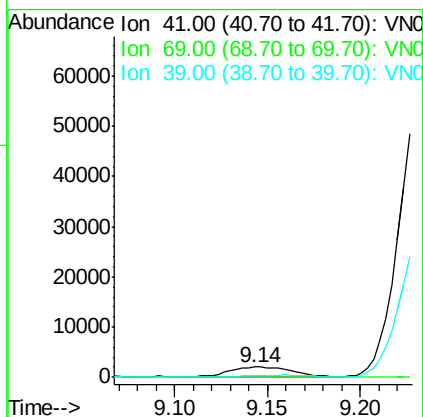
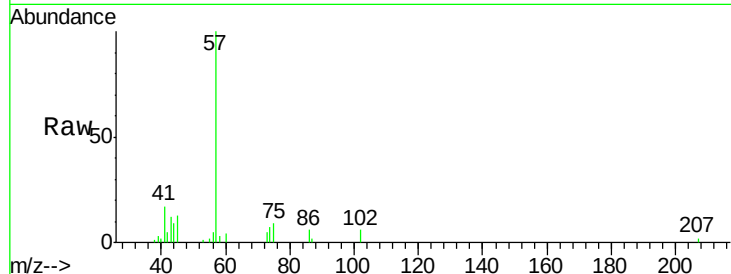




#48
Methvl methacrylate
Concen: 1.237 ug/l
RT: 9.14 min Scan# 2292
Delta R.T. -0.02 min
Lab File: VN062477.D
Acq: 10 Jul 2020 00:16

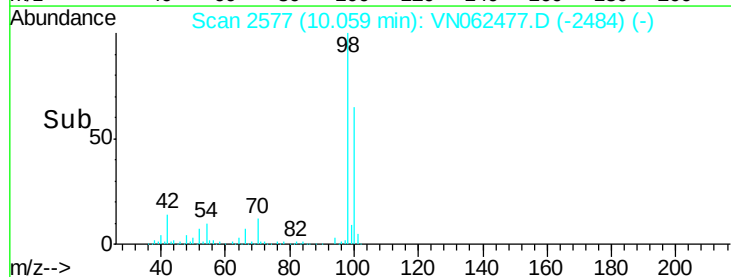
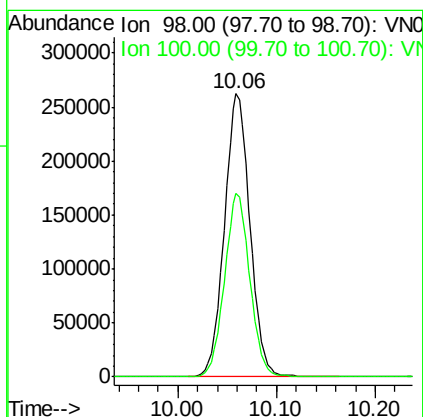
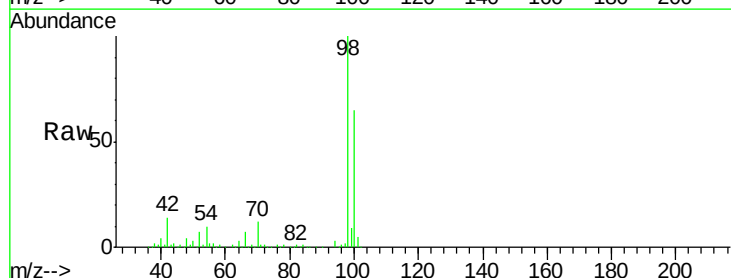
Instrument :
MSVOA_N
ClientSampleId :
OR-02-070820

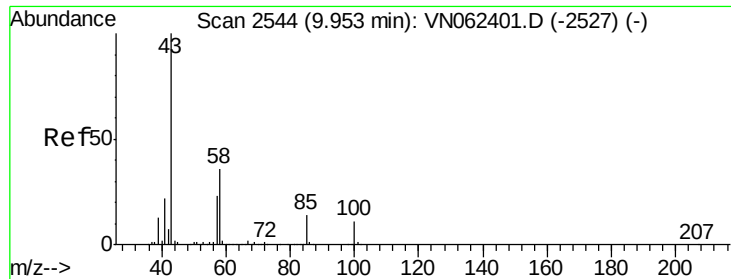
Tot Ion: 41 Resp: 4178
Ion Ratio Lower Upper
41 100
69 0.0 60.8 91.2#
39 0.0 43.5 65.3#



#50
Toluene-d8
Concen: 52.735 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062477.D
Acq: 10 Jul 2020 00:16

Tgt Ion: 98 Resp: 476095
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3

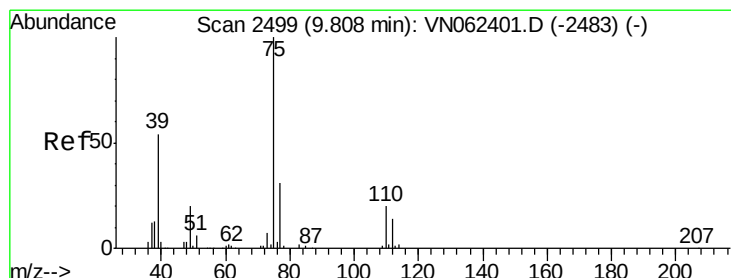
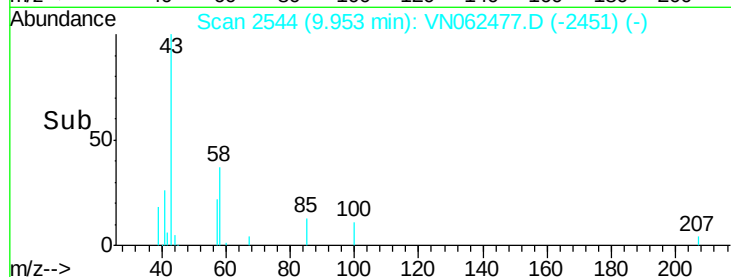
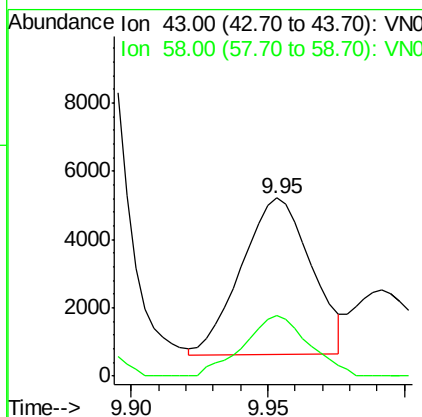
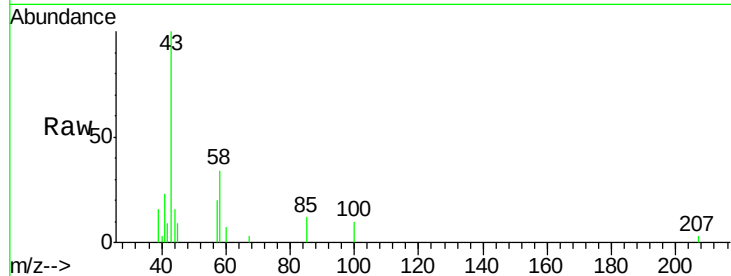




#51
 4-Methyl-2-Pentanone
 Concen: 1.981 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN062477.D
 Acq: 10 Jul 2020 00:16

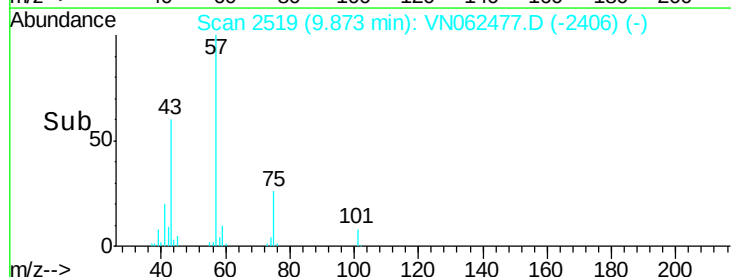
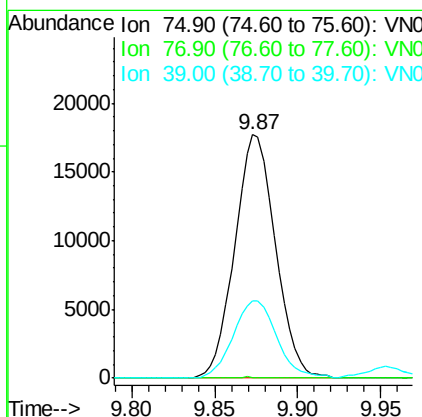
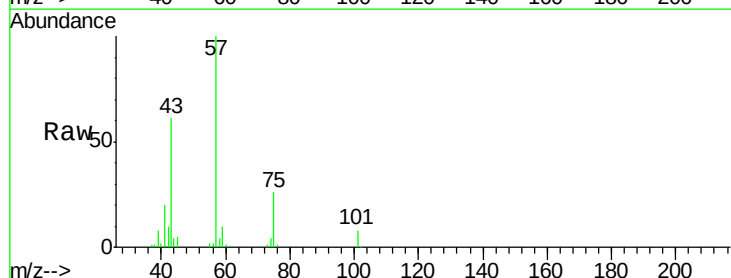
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-070820

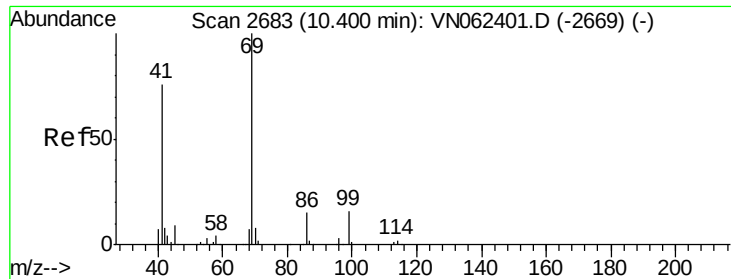
Tot Ion: 43 Resp: 8147
 Ion Ratio Lower Upper
 43 100
 58 35.9 29.0 43.6



#54
 cis-1,3-Dichloropropene
 Concen: 6.359 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN062477.D
 Acq: 10 Jul 2020 00:16

Tgt Ion: 75 Resp: 30243
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.5 36.7#
 39 31.9 43.4 65.0#





#56

Ethyl methacrylate

Concen: 1.969 ug/l

RT: 10.51 min Scan# 2718

Delta R.T. 0.11 min

Lab File: VN062477.D

Acq: 10 Jul 2020 00:16

Instrument :

MSVOA_N

ClientSampleId :

OR-02-070820

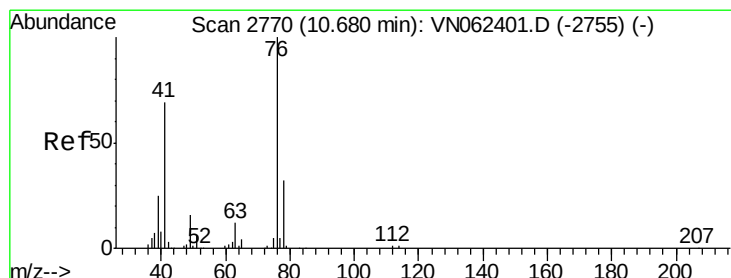
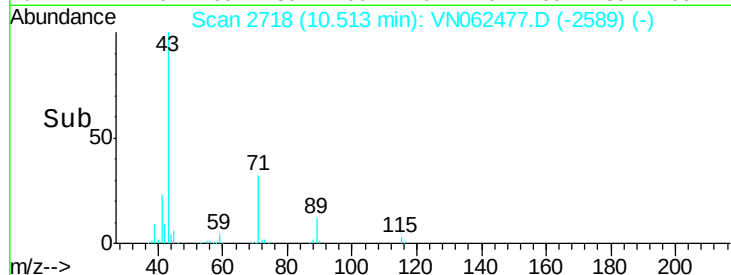
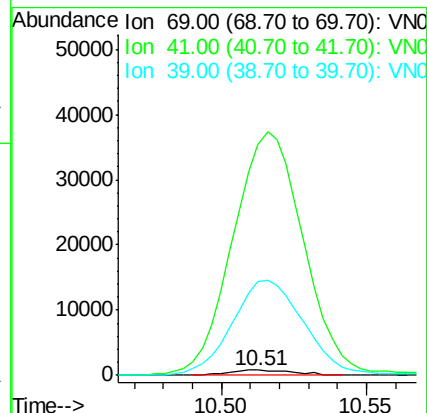
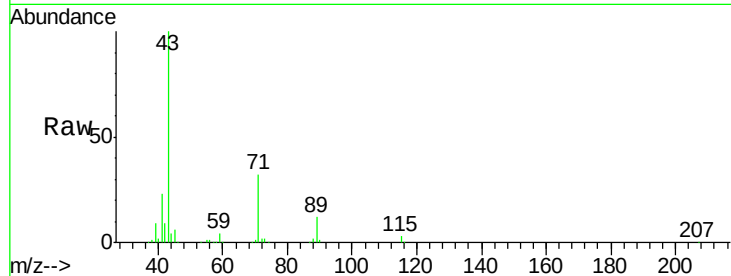
Tot Ion: 69 Resp: 1224

Ion Ratio Lower Upper

69 100

41 5206.5 59.7 89.5#

39 2052.9 30.6 45.8#



#57

1,3-Dichloropropane

Concen: 1.100 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN062477.D

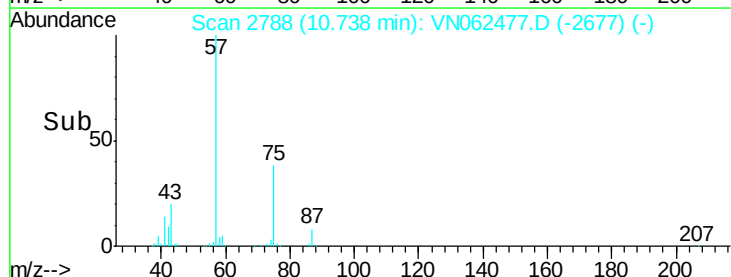
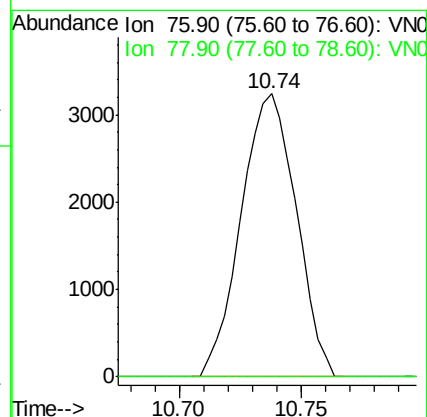
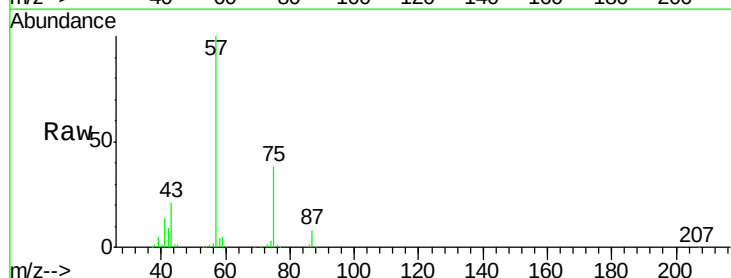
Acq: 10 Jul 2020 00:16

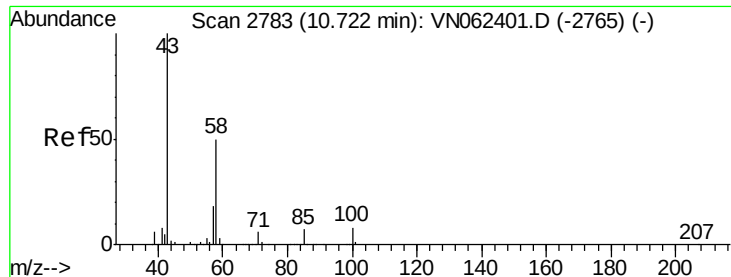
Tgt Ion: 76 Resp: 5073

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#

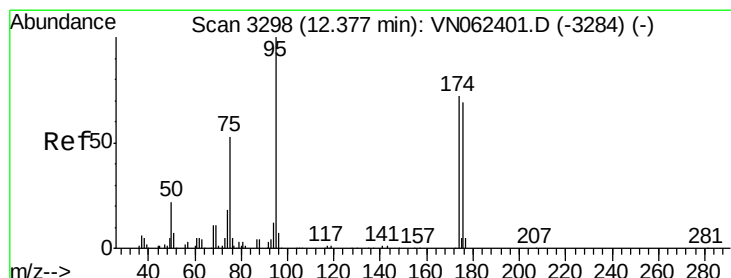
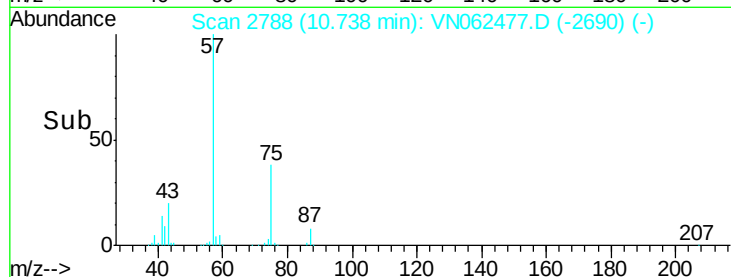
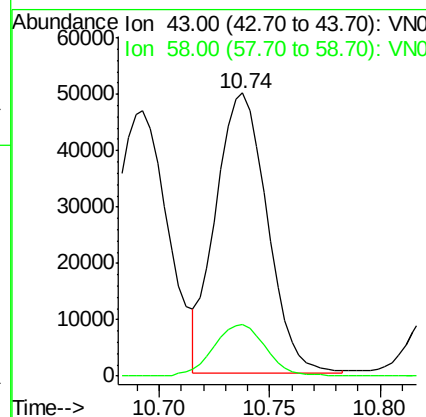
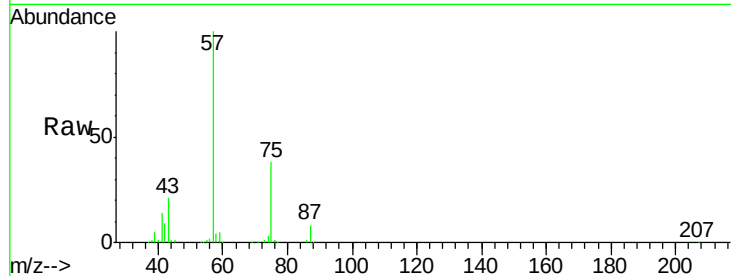




#59
2-Hexanone
Concen: 27.051 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.02 min
Lab File: VN062477.D
Acq: 10 Jul 2020 00:16

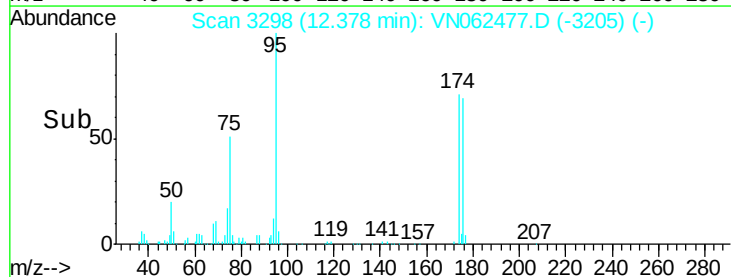
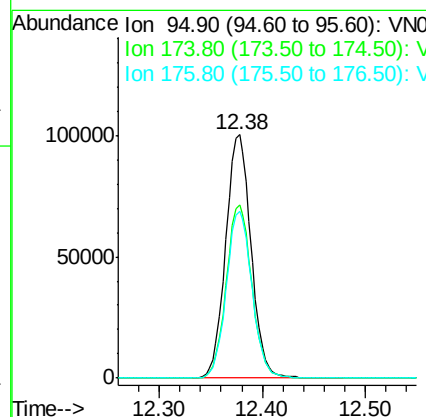
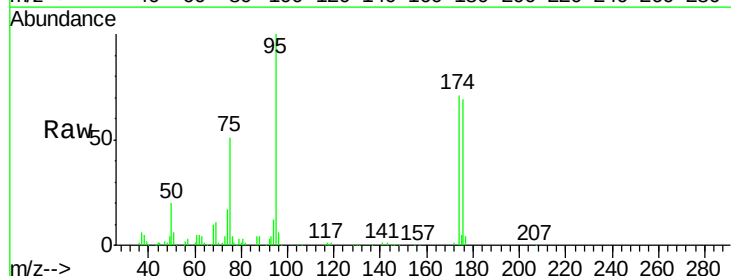
Instrument :
MSVOA_N
ClientSampleId :
OR-02-070820

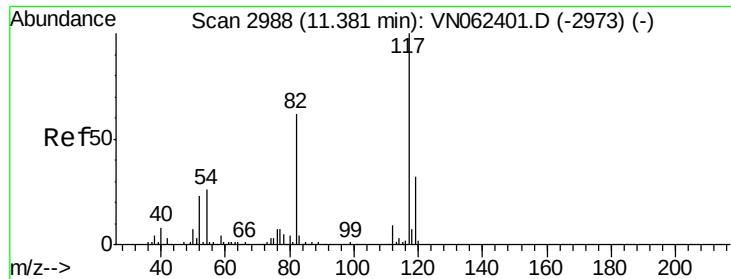
Tot Ion: 43 Resp: 80761
Ion Ratio Lower Upper
43 100
58 18.6 25.1 75.2#



#62
4-Bromofluorobenzene
Concen: 52.103 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062477.D
Acq: 10 Jul 2020 00:16

Tgt Ion: 95 Resp: 171895
Ion Ratio Lower Upper
95 100
174 71.7 0.0 141.6
176 69.2 0.0 137.2

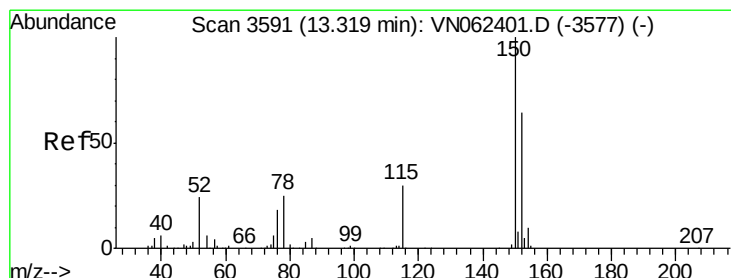
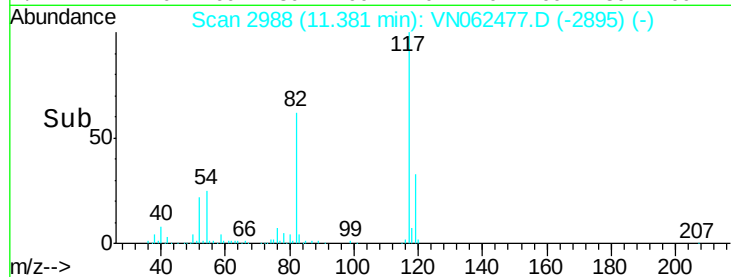
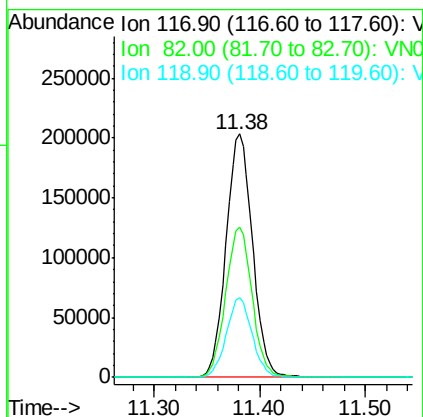
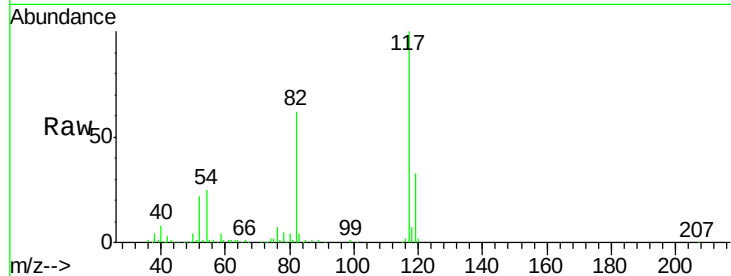




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062477.D
Acq: 10 Jul 2020 00:16

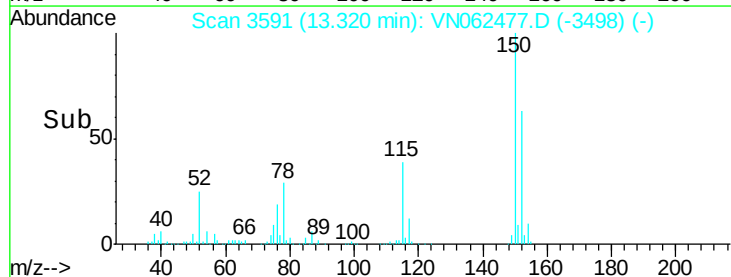
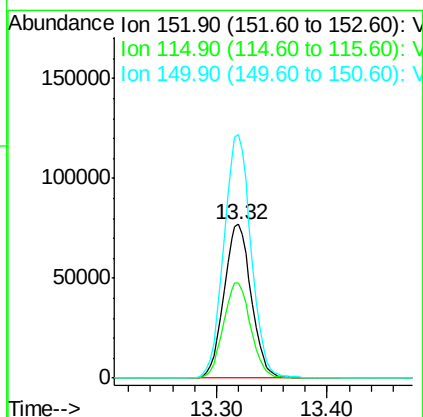
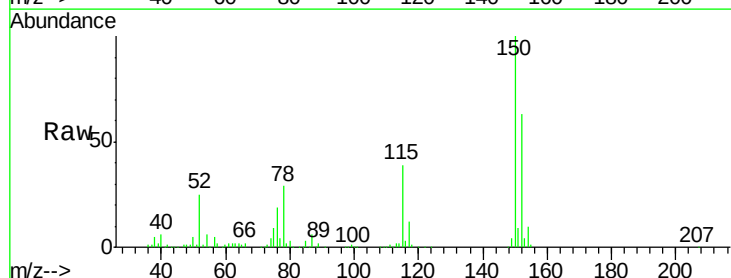
Instrument :
MSVOA_N
ClientSampleId :
OR-02-070820

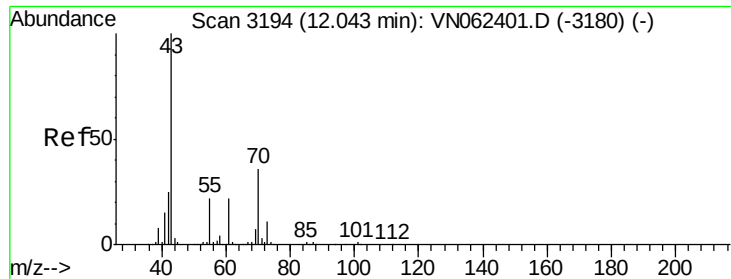
Tot Ion:117 Resp: 353348
Ion Ratio Lower Upper
117 100
82 61.8 49.6 74.4
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062477.D
Acq: 10 Jul 2020 00:16

Tgt Ion:152 Resp: 132144
Ion Ratio Lower Upper
152 100
115 62.2 31.4 94.2
150 157.6 0.0 347.4





#74

N-amvl acetate

Concen: 0.779 ug/l

RT: 12.01 min Scan# 3184

Delta R.T. -0.03 min

Lab File: VN062477.D

Acq: 10 Jul 2020 00:16

Instrument :

MSVOA_N

ClientSampleId :

OR-02-070820

Tot Ion: 43 Resp: 3877

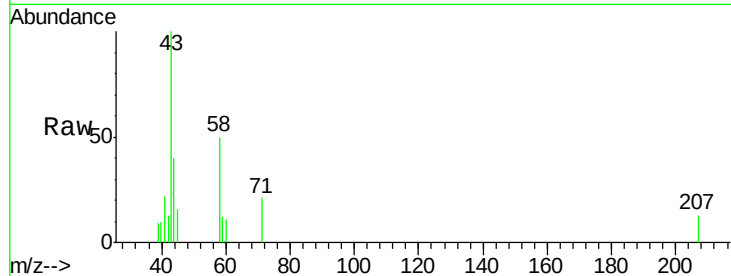
Ion Ratio Lower Upper

43 100

70 0.0 30.0 45.0#

55 0.0 18.2 27.4#

61 0.0 17.7 26.5#

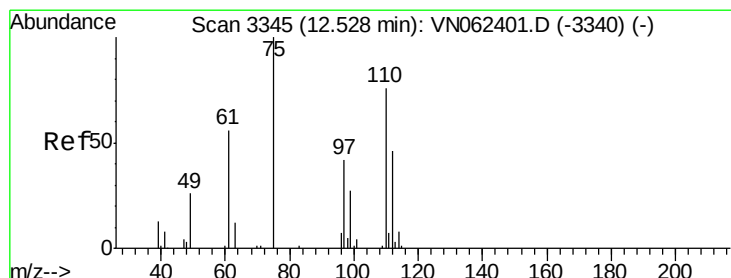
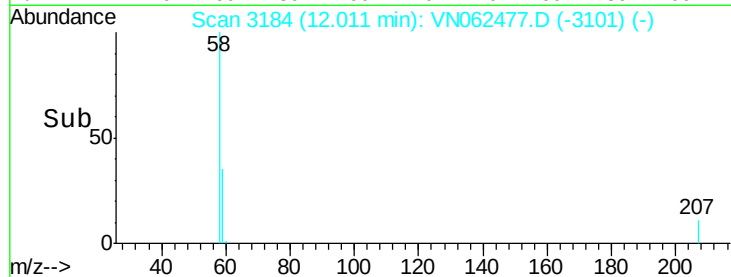
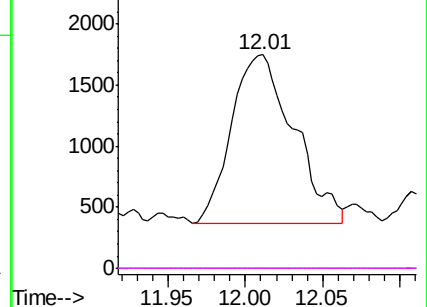


Abundance Ion 43.00 (42.70 to 43.70): VNO

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: 27.769 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN062477.D

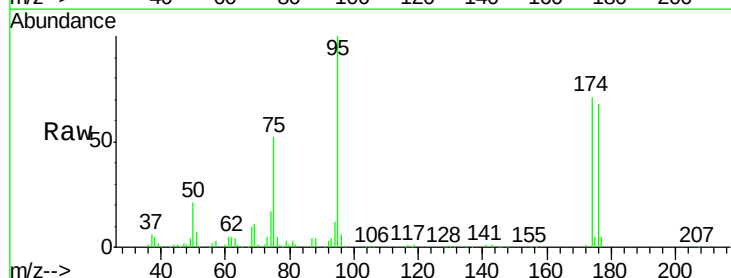
Acq: 10 Jul 2020 00:16

Tgt Ion: 75 Resp: 90038

Ion Ratio Lower Upper

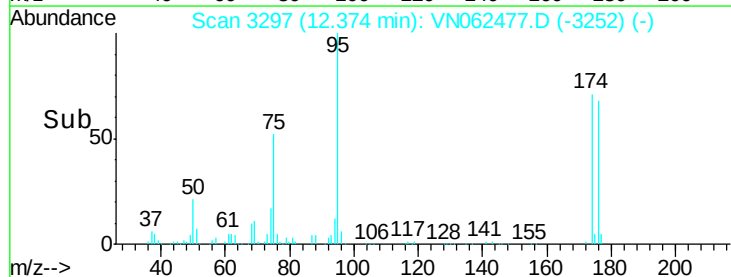
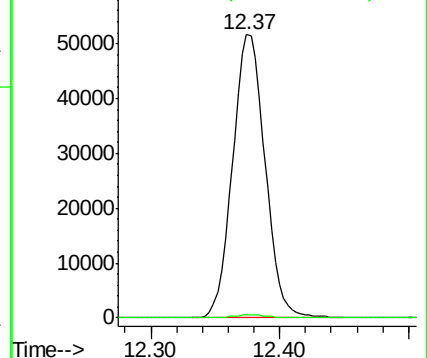
75 100

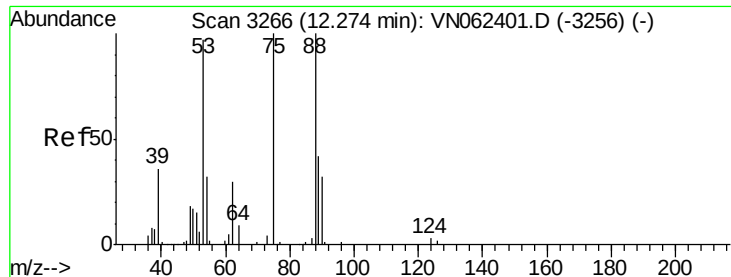
77 1.0 0.0 0.0#



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: 74.327 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN062477.D

Acq: 10 Jul 2020 00:16

Instrument :

MSVOA_N

ClientSampleId :

OR-02-070820

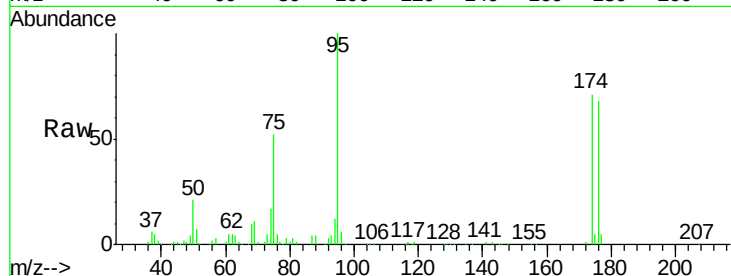
Tot Ion: 75 Resp: 90038

Ion Ratio Lower Upper

75 100

53 0.0 79.2 118.8#

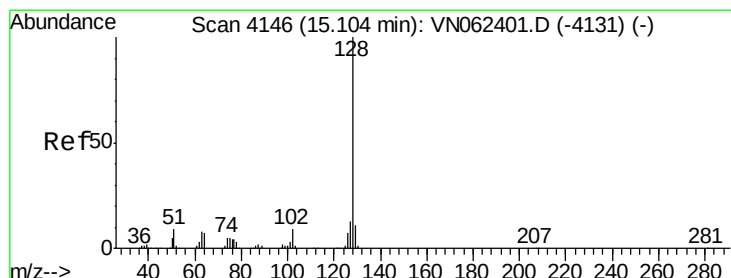
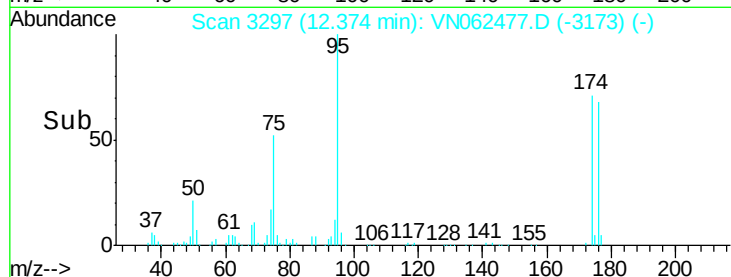
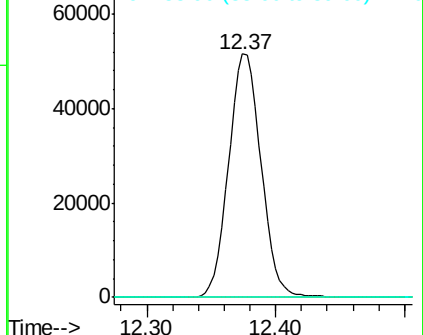
89 0.0 34.6 52.0#



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



#95

Naphthalene

Concen: Below Cal

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062477.D

Acq: 10 Jul 2020 00:16

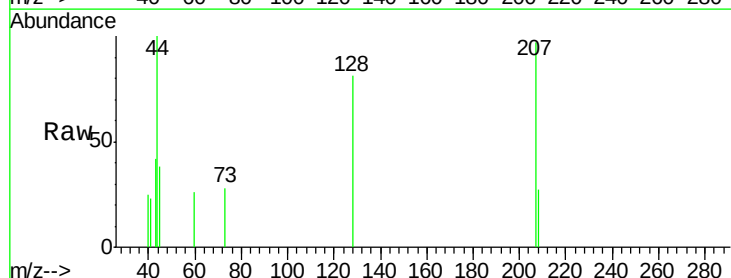
Tgt Ion: 128 Resp: 906

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 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

