

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050720\
 Data File : VN061329.D
 Acq On : 7 May 2020 13:24
 Operator : JC/MD
 Sample : PB128697ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 08 01:34:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	92765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	169939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	169340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	70457	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	79773	54.35	ug/l	0.00
Spiked Amount			Recovery	=	108.70%	
35) Dibromofluoromethane	7.55	113	48183	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	
50) Toluene-d8	10.06	98	217834	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
62) 4-Bromofluorobenzene	12.38	95	80107	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	

Target Compounds

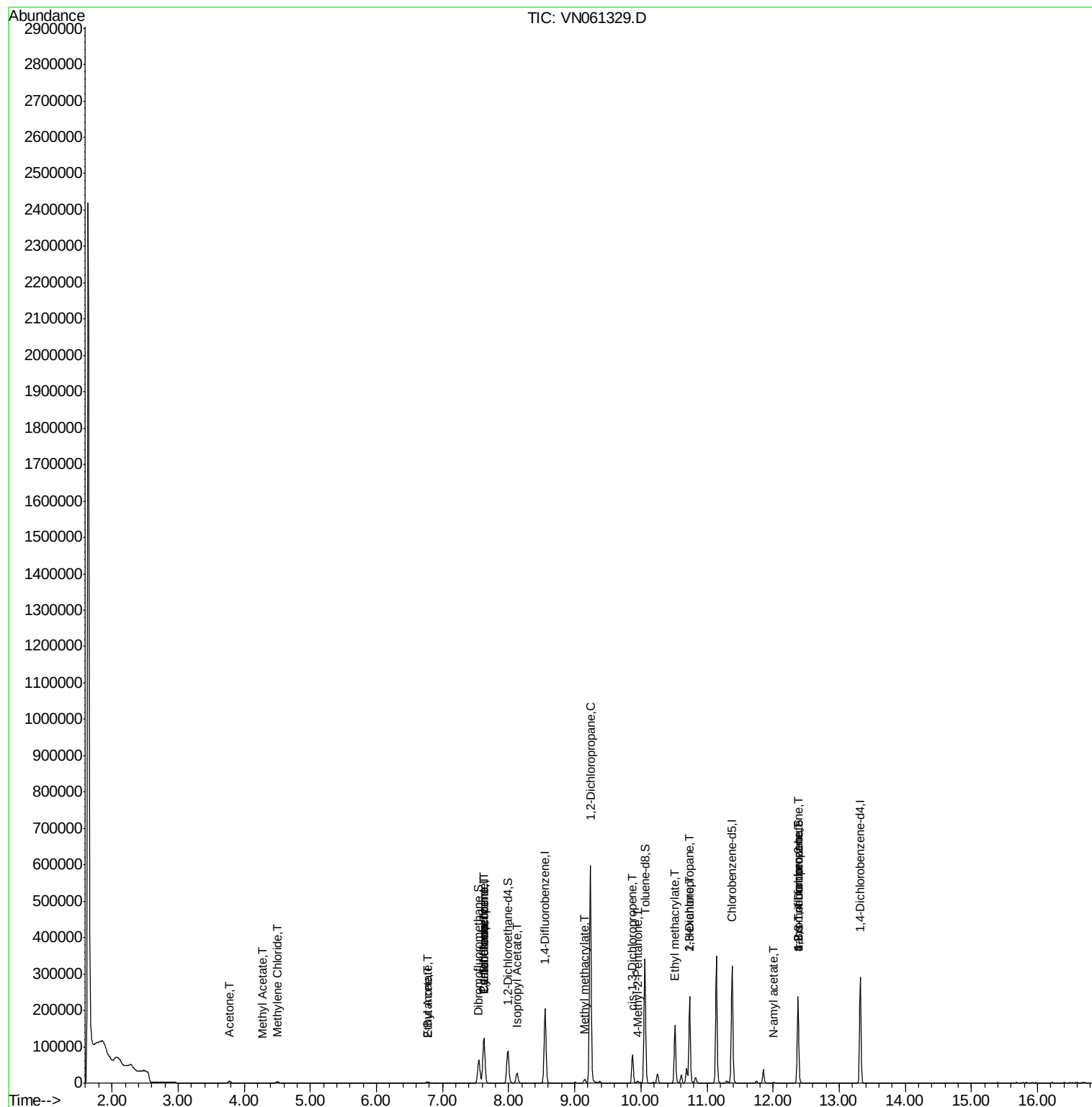
					Qvalue	
16) Acetone	3.78	43	8741	10.096	ug/l	97
18) Methyl Acetate	4.28	43	957	1.189	ug/l #	55
20) Methylene Chloride	4.50	84	1417	1.238	ug/l	96
25) 2-Butanone	6.79	43	1953	2.249	ug/l #	53
31) Cyclohexane	7.63	56	2381	1.115	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	8383	4.928	ug/l #	50
37) Ethyl Acetate	6.79	43	1953	0.979	ug/l #	71
38) Carbon Tetrachloride	7.63	117	9703	8.252	ug/l #	16
43) Isopropyl Acetate	8.13	43	34487	10.420	ug/l #	90
45) 1,2-Dichloropropane	9.23	63	560	0.414	ug/l #	44
48) Methyl methacrylate	9.14	41	1804	1.208	ug/l #	16
51) 4-Methyl-2-Pentanone	9.95	43	4432	2.275	ug/l #	84
54) cis-1,3-Dichloropropene	9.88	75	12747	5.947	ug/l #	63
56) Ethyl methacrylate	10.52	69	455	2.930	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	2373	1.109	ug/l #	43
59) 2-Hexanone	10.74	43	37404	26.390	ug/l #	52
74) N-amyl acetate	12.00	43	1427	0.544	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	44704	30.095	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	44704	76.426	ug/l #	8

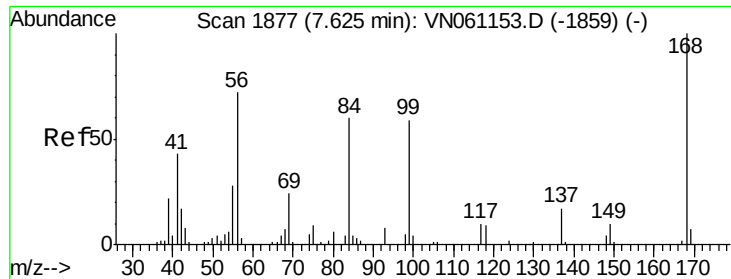
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 05 07:01:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061329.D

Acq: 7 May 2020 13:24

Instrument :

MSVOA_N

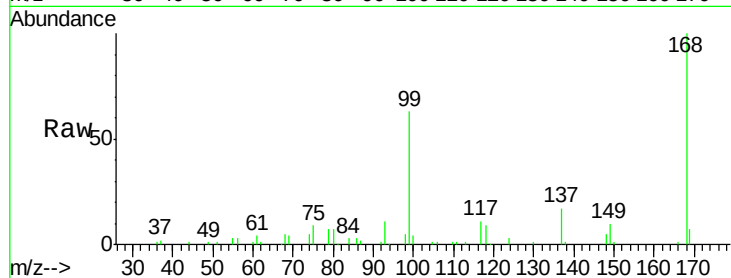
ClientSampled :

Tot Ion:168 Resp: 92765

Ion Ratio Lower Upper

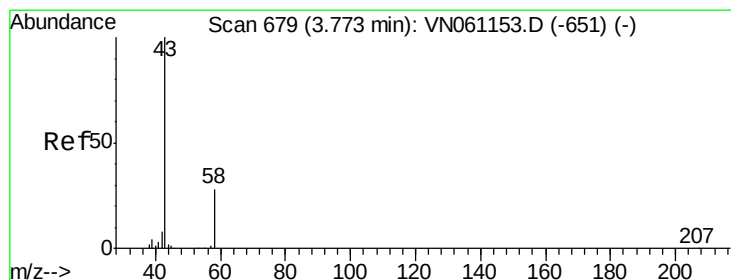
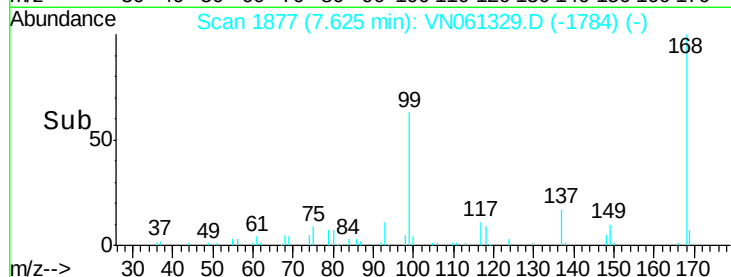
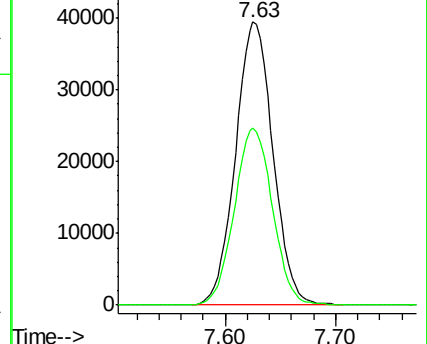
168 100

99 62.7 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 10.096 ug/l

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061329.D

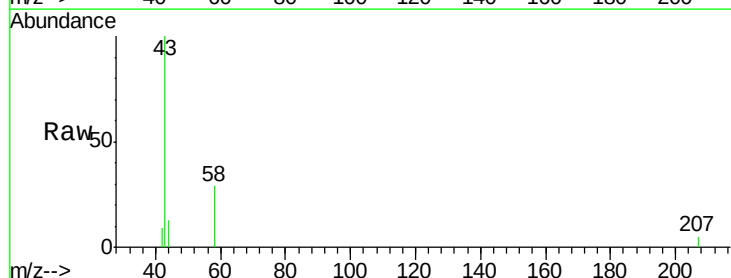
Acq: 7 May 2020 13:24

Tgt Ion: 43 Resp: 8741

Ion Ratio Lower Upper

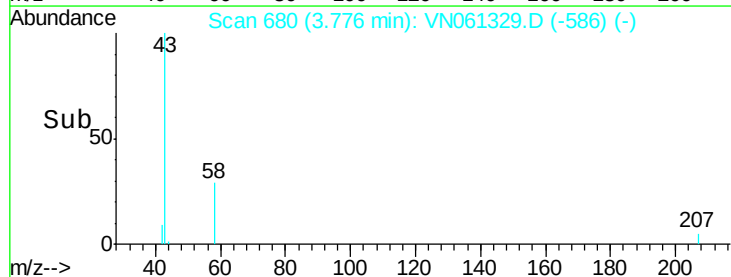
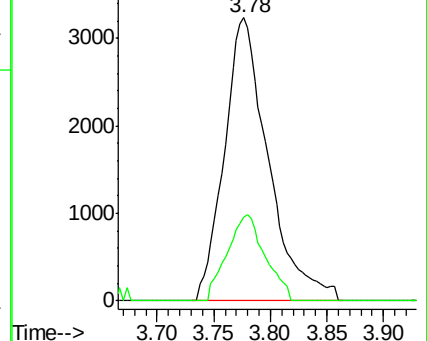
43 100

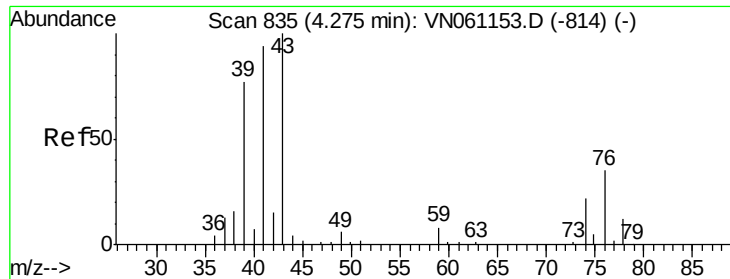
58 29.5 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

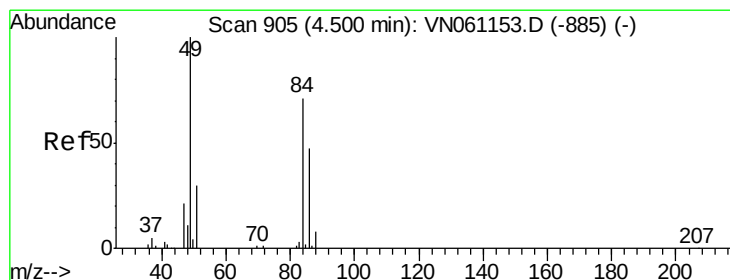
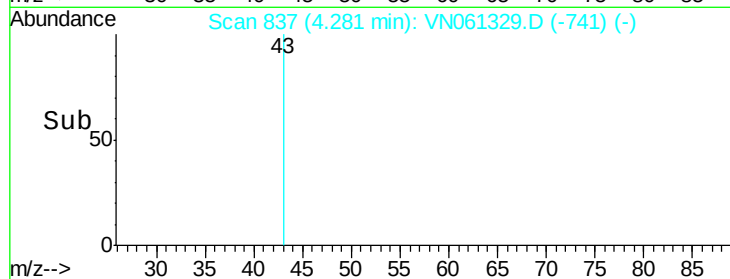
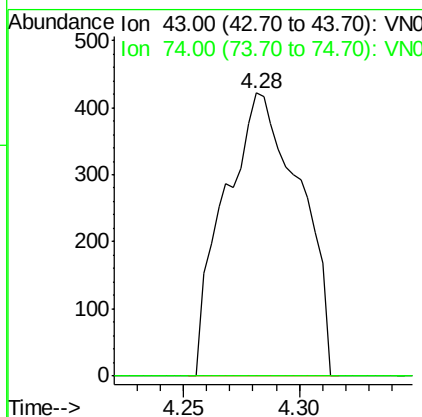
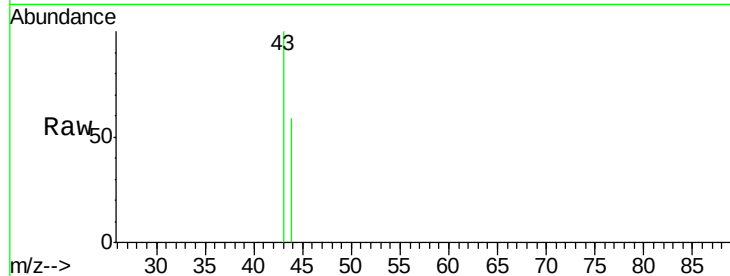




#18
Methyl Acetate
Concen: 1.189 ug/l
RT: 4.28 min Scan# 837
Delta R.T. 0.01 min
Lab File: VN061329.D
Acq: 7 May 2020 13:24

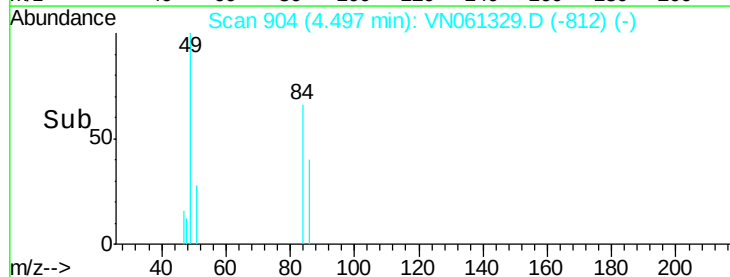
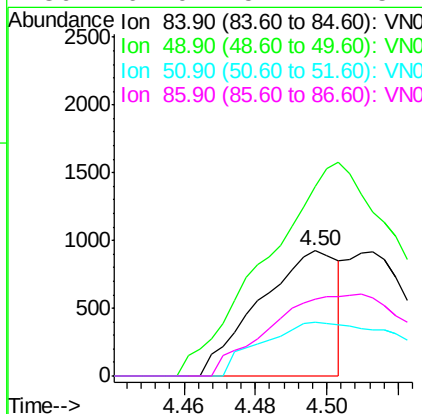
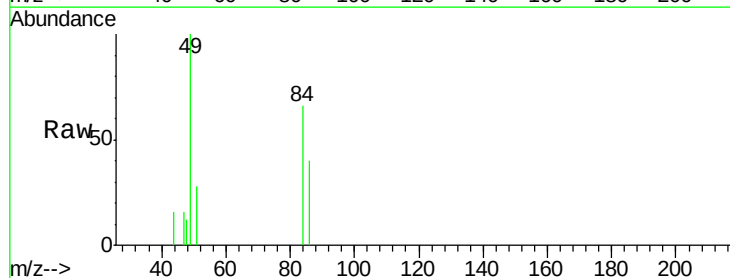
Instrument :
MSVOA_N
ClientSampled :

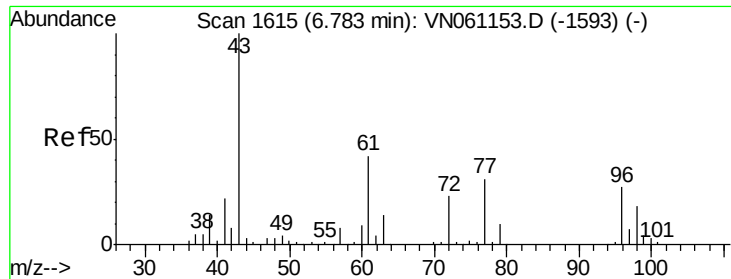
Tot Ion: 43 Resp: 957
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#20
Methylene Chloride
Concen: 1.238 ug/l
RT: 4.50 min Scan# 904
Delta R.T. -0.00 min
Lab File: VN061329.D
Acq: 7 May 2020 13:24

Tgt Ion: 84 Resp: 1417
Ion Ratio Lower Upper
84 100
49 135.1 112.0 168.0
51 42.5 33.6 50.4
86 61.0 52.1 78.1





#25

2-Butanone

Concen: 2.249 ug/l

RT: 6.79 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VN061329.D

Acq: 7 May 2020 13:24

Instrument :

MSVOA_N

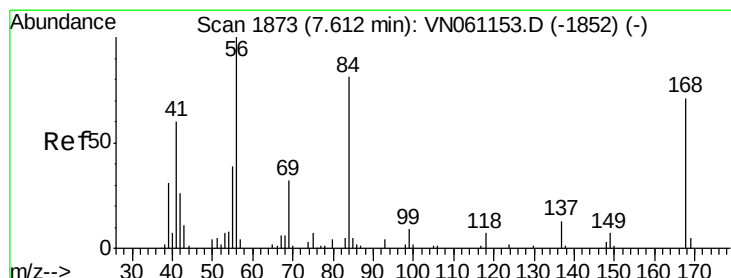
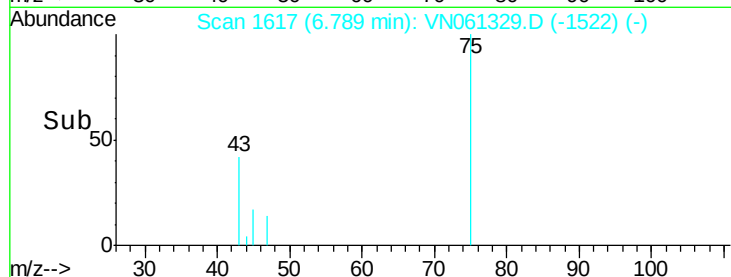
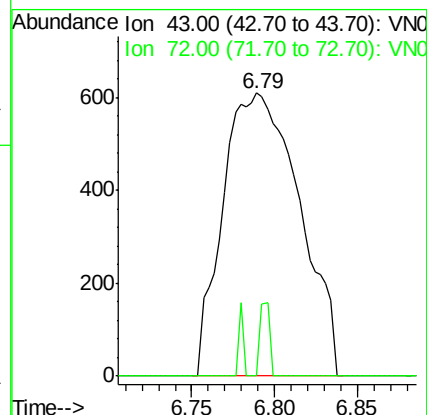
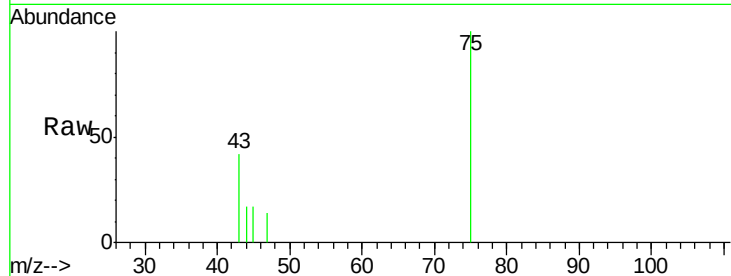
ClientSampleId :

Tot Ion: 43 Resp: 1953

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.4#



#31

Cyclohexane

Concen: 1.115 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VN061329.D

Acq: 7 May 2020 13:24

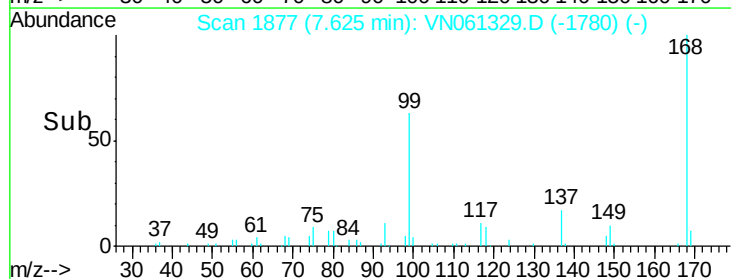
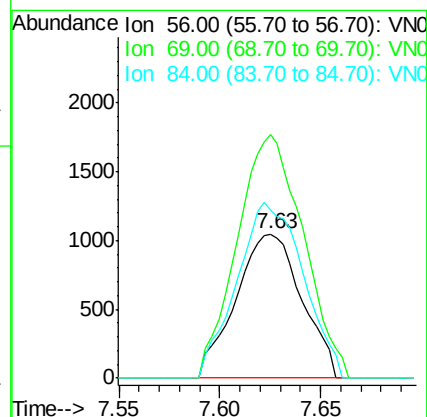
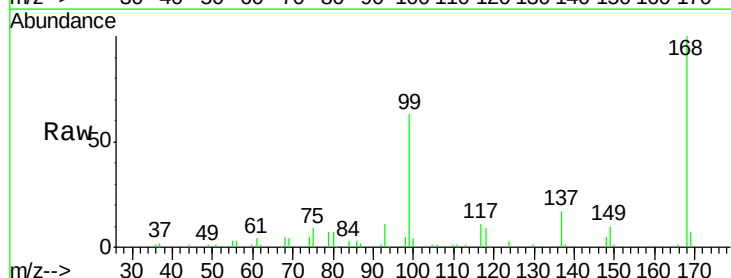
Tgt Ion: 56 Resp: 2381

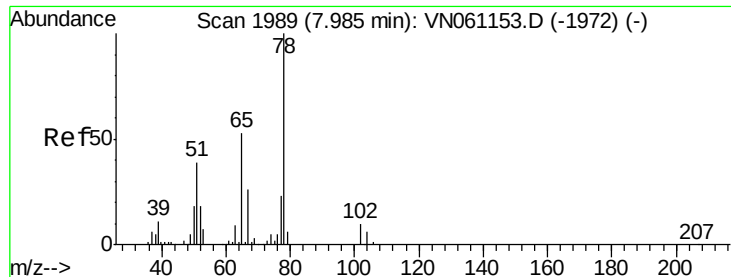
Ion Ratio Lower Upper

56 100

69 168.6 25.7 38.5#

84 116.9 64.6 97.0#

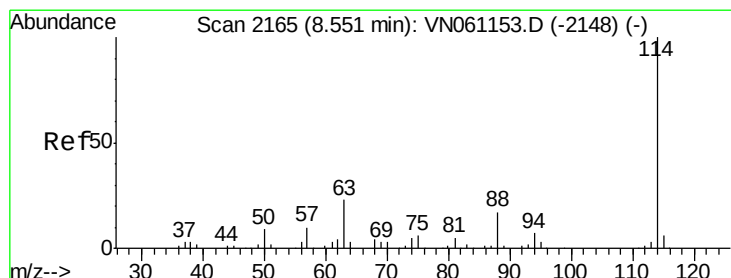
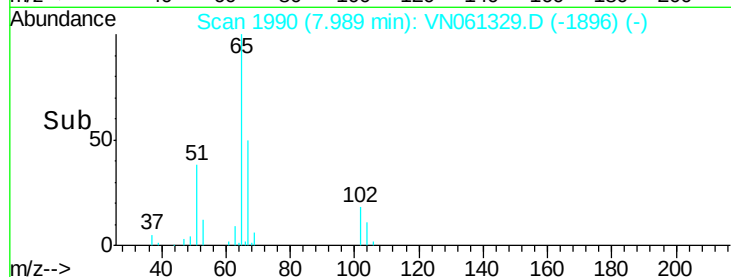
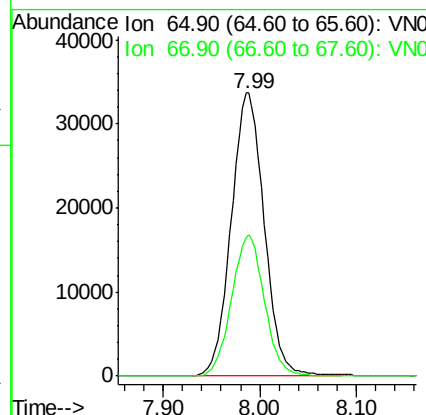
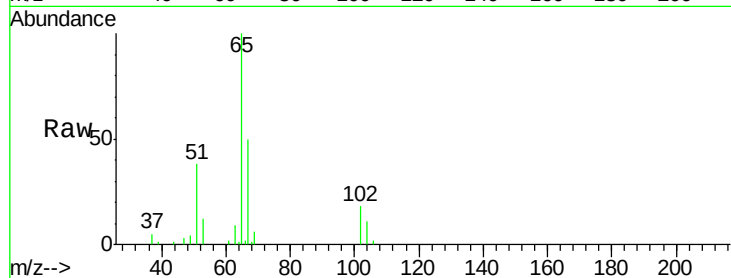




#33
 1,2-Dichloroethane-d4
 Concen: 54.348 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061329.D
 Acq: 7 May 2020 13:24

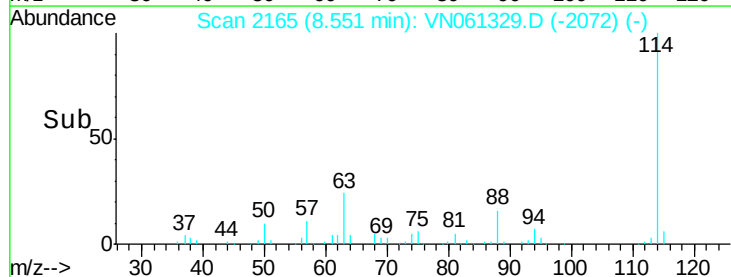
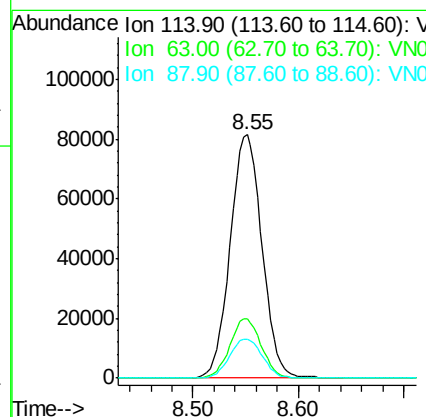
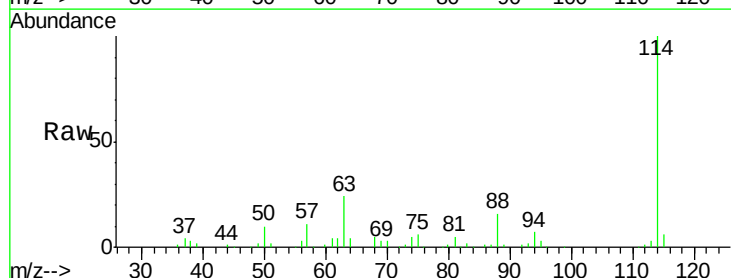
Instrument :
 MSVOA_N
 ClientSampleId :

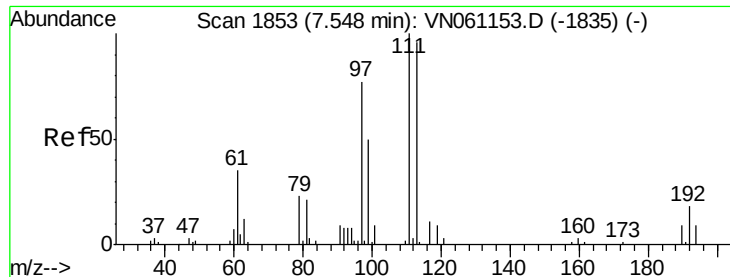
Tot Ion: 65 Resp: 79773
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061329.D
 Acq: 7 May 2020 13:24

Tgt Ion: 114 Resp: 169939
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 46.6
 88 16.1 0.0 33.4

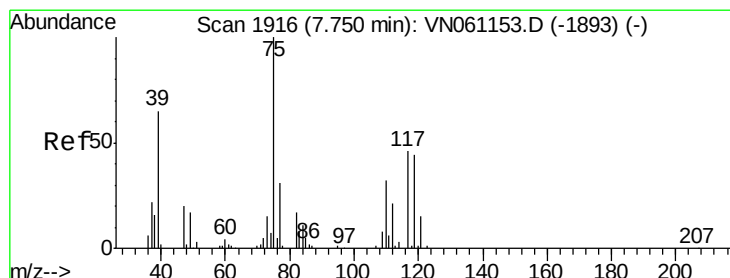
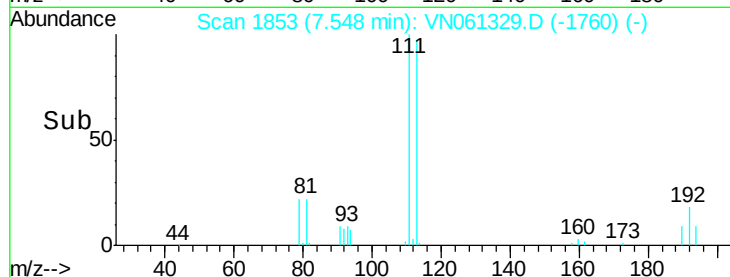
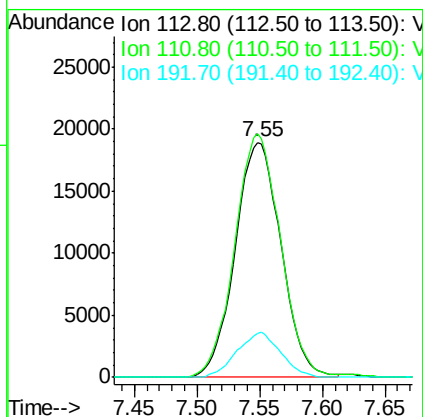
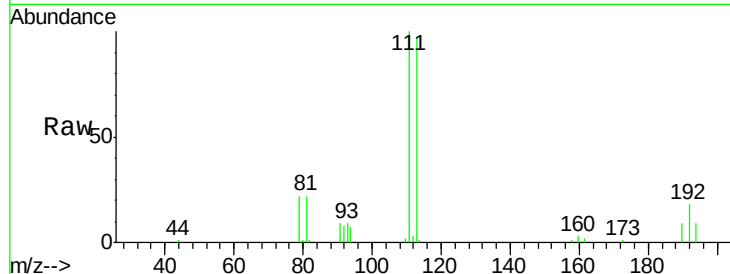




#35
 Dibromofluoromethane
 Concen: 47.949 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061329.D
 Acq: 7 May 2020 13:24

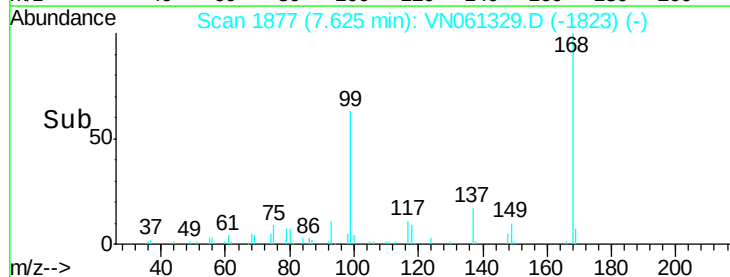
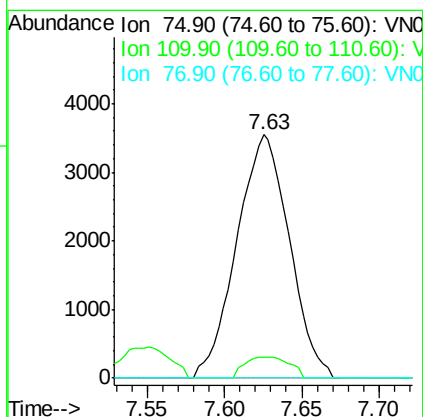
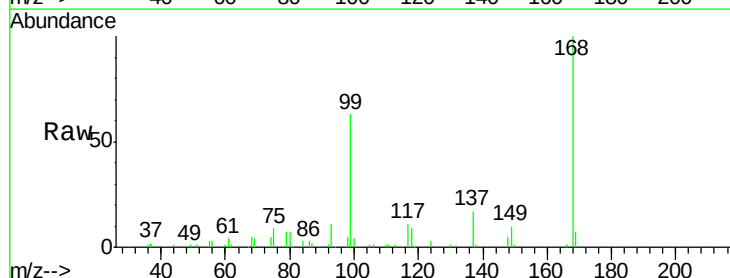
Instrument :
 MSVOA_N
 ClientSampled :

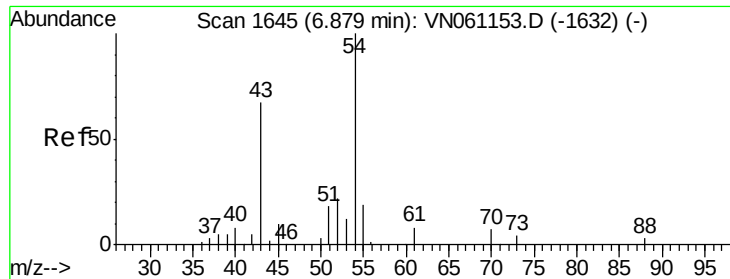
Tot Ion:113 Resp: 48183
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.9 124.3
 192 18.2 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 4.928 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061329.D
 Acq: 7 May 2020 13:24

Tgt Ion: 75 Resp: 8383
 Ion Ratio Lower Upper
 75 100
 110 7.4 16.0 48.0#
 77 0.0 24.6 37.0#

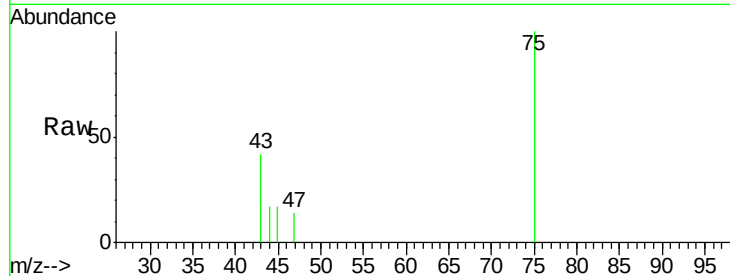




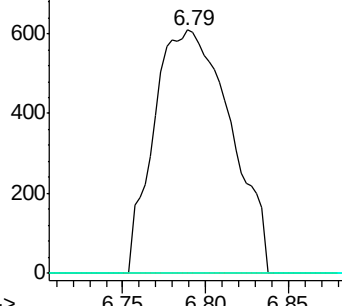
#37
Ethyl Acetate
Concen: 0.979 ug/l
RT: 6.79 min Scan# 1617
Delta R.T. -0.09 min
Lab File: VN061329.D
Acq: 7 May 2020 13:24

Instrument :
MSVOA_N
ClientSampled :

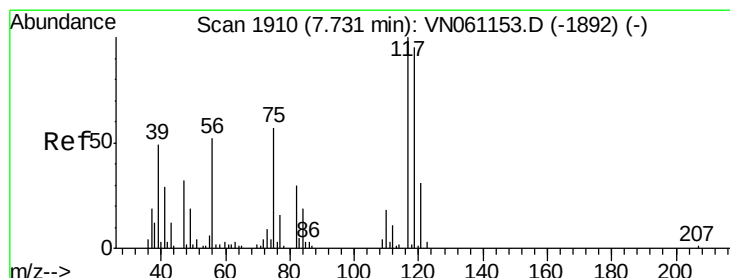
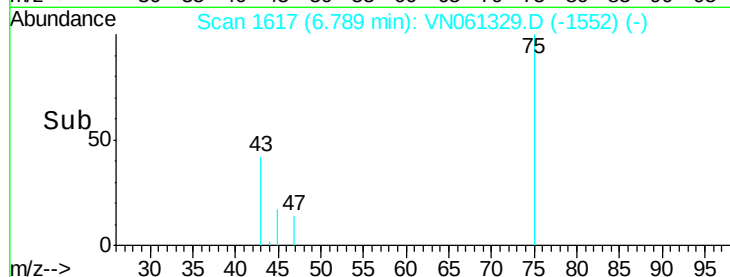
Tot Ion: 43 Resp: 1953
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.2#
70 0.0 7.2 10.8#



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-1632) (-)
Ion 60.90 (60.60 to 61.60): VN061153.D (-1632) (-)
Ion 70.00 (69.70 to 70.70): VN061153.D (-1632) (-)

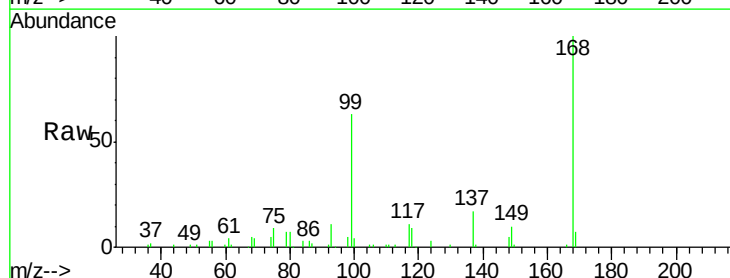


Time-->

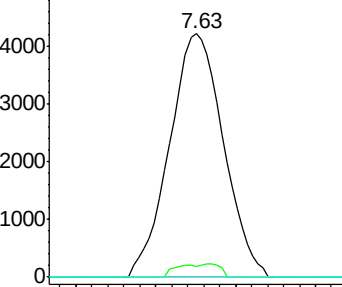


#38
Carbon Tetrachloride
Concen: 8.252 ug/l
RT: 7.63 min Scan# 1877
Delta R.T. -0.11 min
Lab File: VN061329.D
Acq: 7 May 2020 13:24

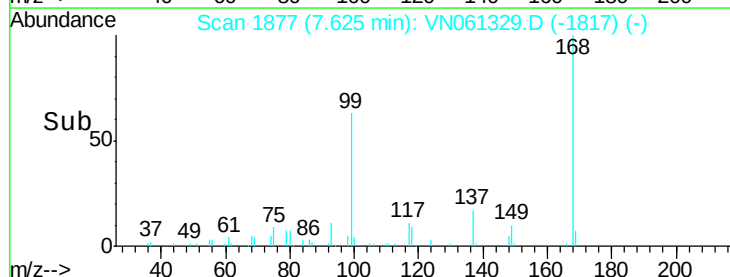
Tgt Ion: 117 Resp: 9703
Ion Ratio Lower Upper
117 100
119 4.4 75.8 113.6#
121 0.0 24.7 37.1#

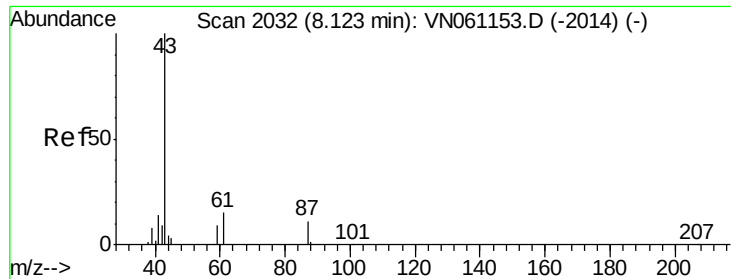


Abundance Ion 116.80 (116.50 to 117.50): VN061153.D (-1892) (-)
Ion 118.80 (118.50 to 119.50): VN061153.D (-1892) (-)
Ion 120.80 (120.50 to 121.50): VN061153.D (-1892) (-)



Time-->





#43

Isopropyl Acetate

Concen: 10.420 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061329.D

Acq: 7 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

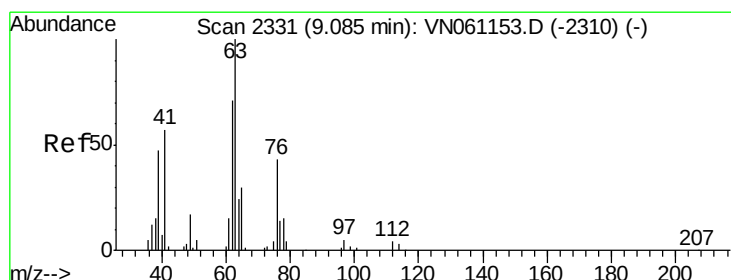
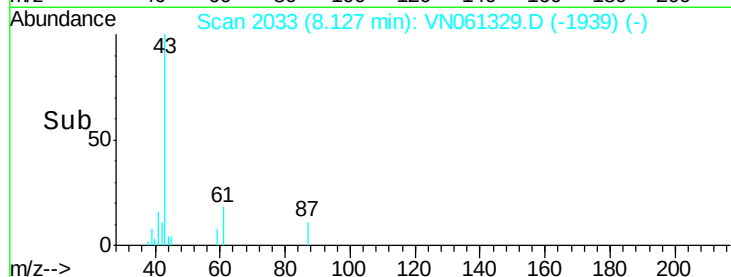
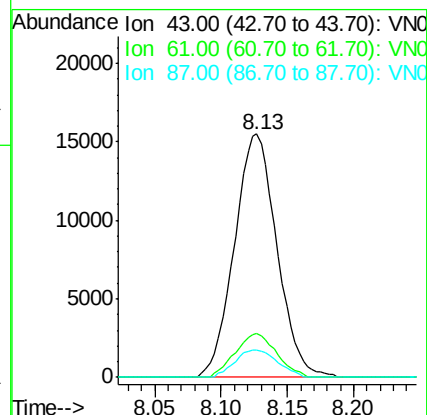
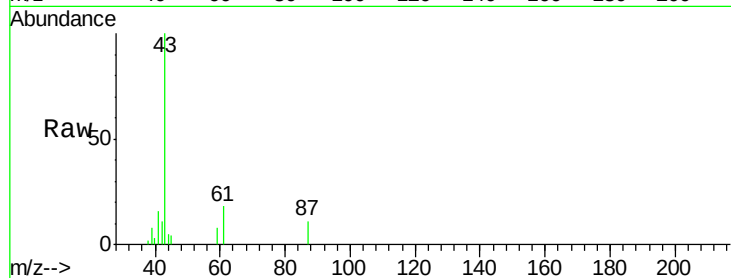
Tot Ion: 43 Resp: 34487

Ion Ratio Lower Upper

43 100

61 17.5 19.5 29.3#

87 11.2 8.9 13.3



#45

1,2-Dichloropropane

Concen: 0.414 ug/l

RT: 9.23 min Scan# 2376

Delta R.T. 0.14 min

Lab File: VN061329.D

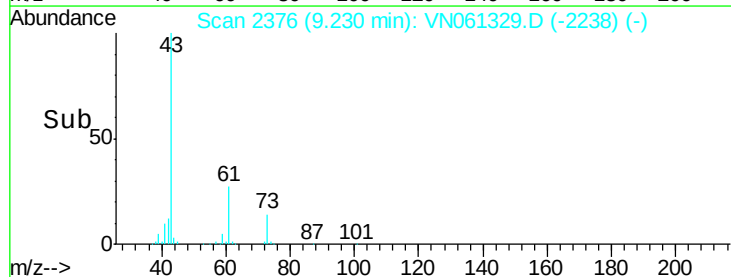
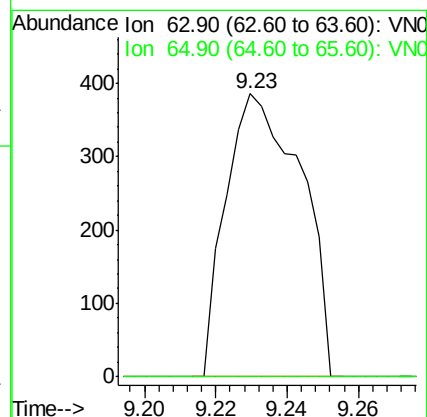
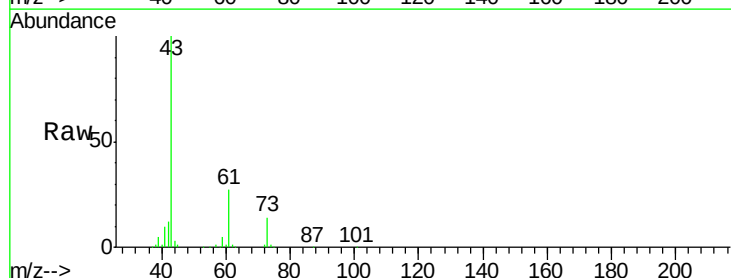
Acq: 7 May 2020 13:24

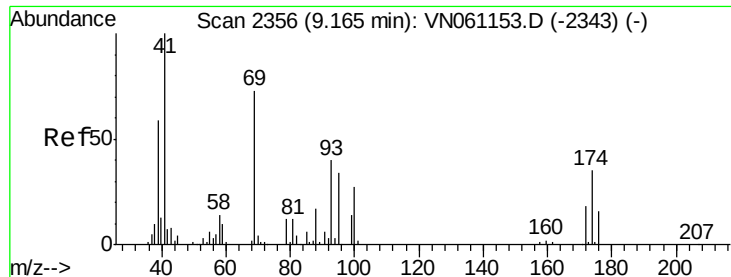
Tgt Ion: 63 Resp: 560

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#

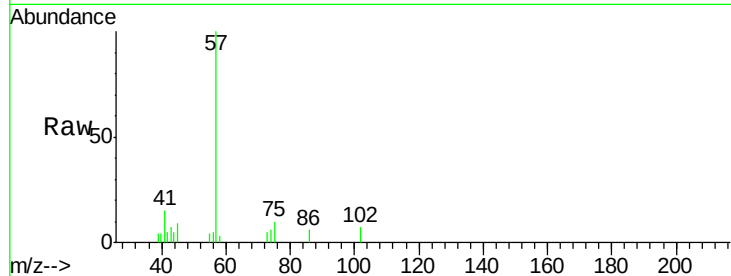




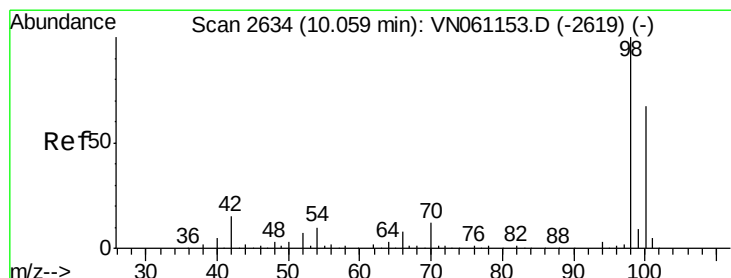
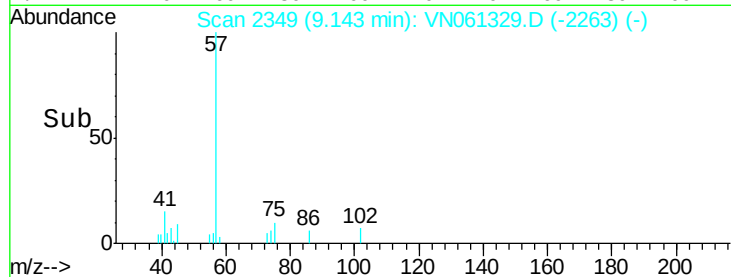
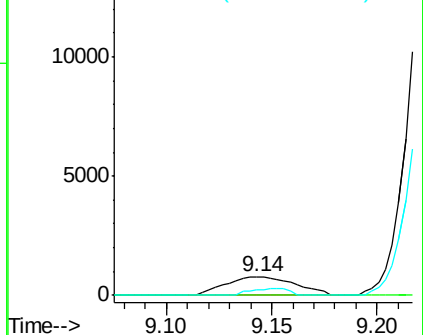
#48
Methvl methacrylate
Concen: 1.208 ug/l
RT: 9.14 min Scan# 2349
Delta R.T. -0.02 min
Lab File: VN061329.D
Acq: 7 May 2020 13:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 1804
Ion Ratio Lower Upper
41 100
69 0.0 60.3 90.5#
39 0.0 47.4 71.0#

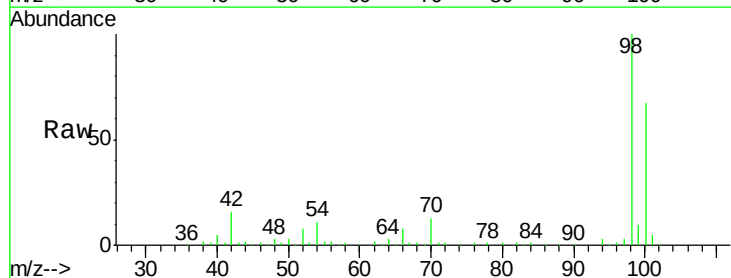


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

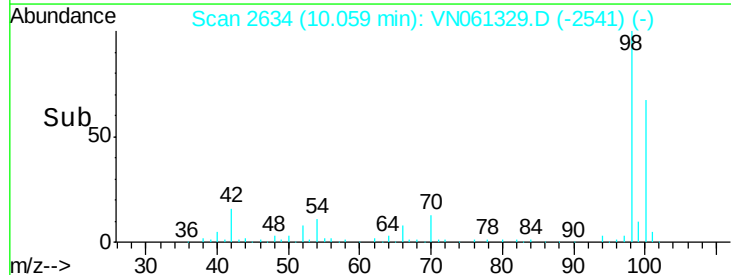
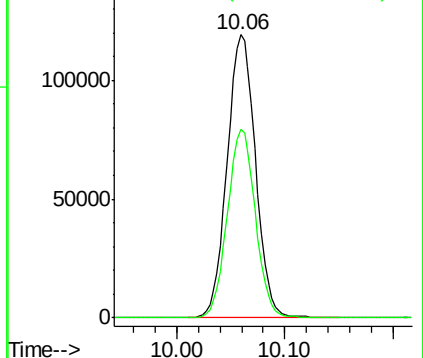


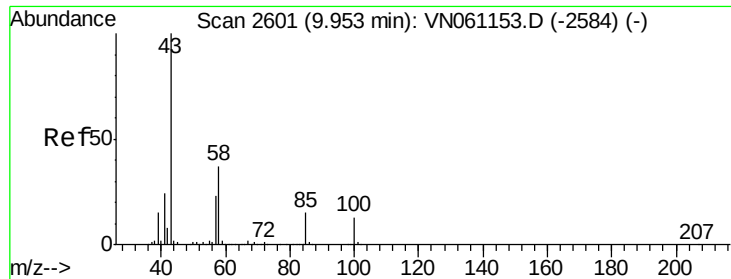
#50
Toluene-d8
Concen: 53.176 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061329.D
Acq: 7 May 2020 13:24

Tgt Ion: 98 Resp: 217834
Ion Ratio Lower Upper
98 100
100 65.7 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

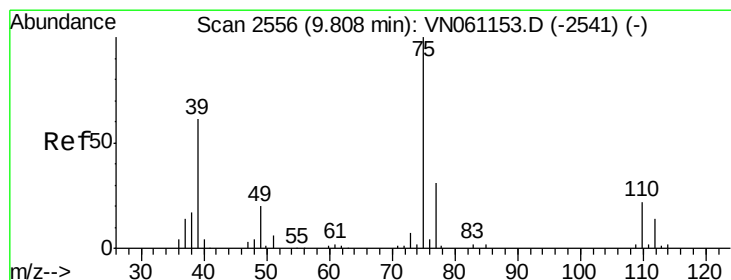
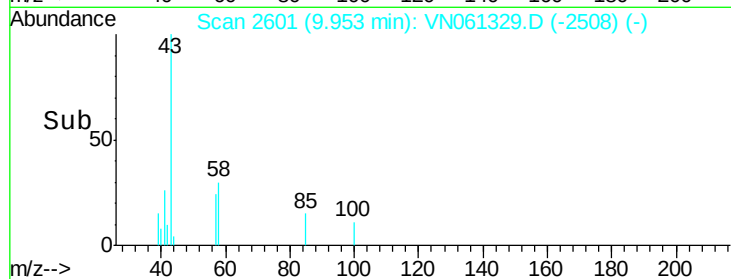
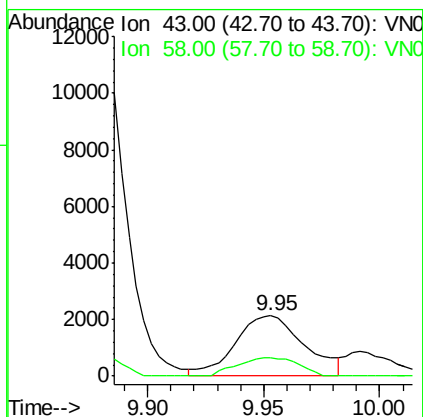
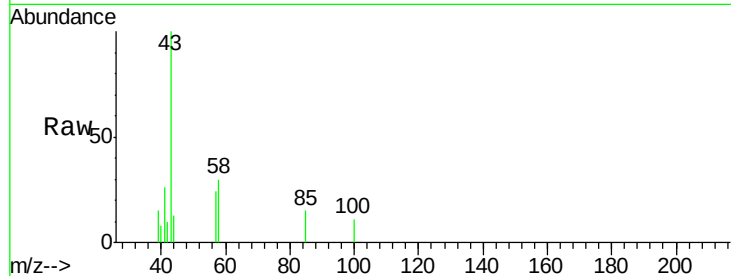




#51
4-Methyl-2-Pentanone
Concen: 2.275 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061329.D
Acq: 7 May 2020 13:24

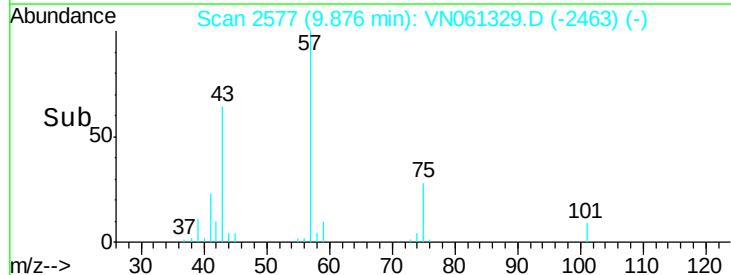
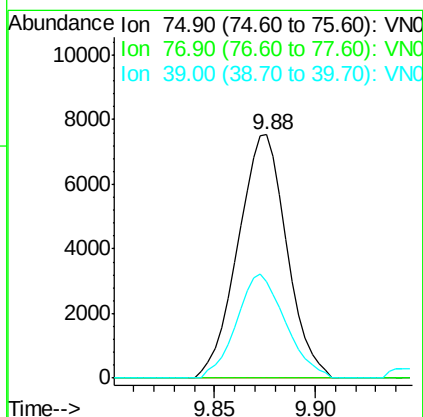
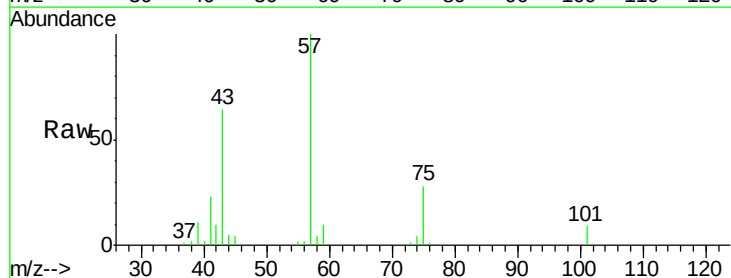
Instrument :
MSVOA_N
ClientSampled :

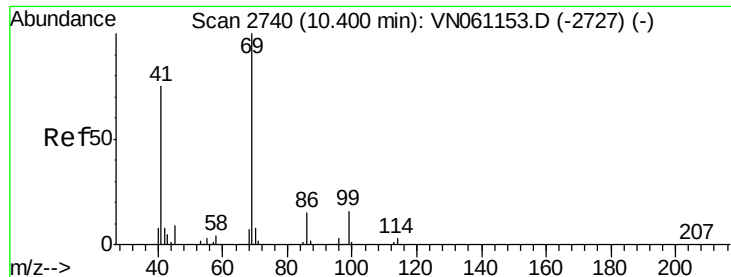
Tot Ion: 43 Resp: 4432
Ion Ratio Lower Upper
43 100
58 27.0 29.1 43.7#



#54
cis-1,3-Dichloropropene
Concen: 5.947 ug/l
RT: 9.88 min Scan# 2577
Delta R.T. 0.07 min
Lab File: VN061329.D
Acq: 7 May 2020 13:24

Tgt Ion: 75 Resp: 12747
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 39.8 48.7 73.1#





#56

Ethyl methacrylate

Concen: 2.930 ug/l

RT: 10.52 min Scan# 2776

Delta R.T. 0.12 min

Lab File: VN061329.D

Acq: 7 May 2020 13:24

Instrument :

MSVOA_N

ClientSampled :

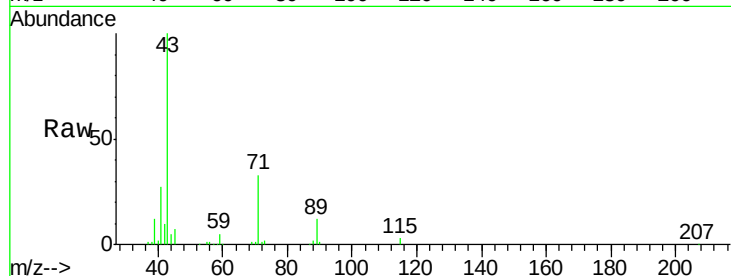
Tot Ion: 69 Resp: 455

Ion Ratio Lower Upper

69 100

41 7075.2 60.3 90.5#

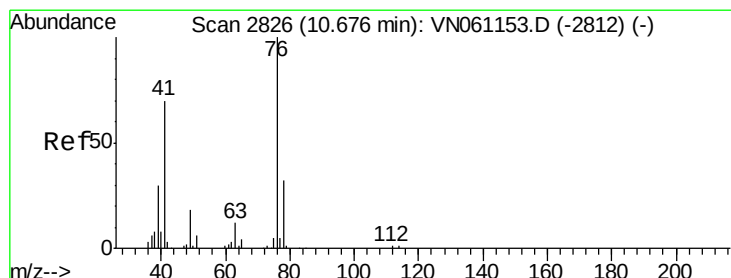
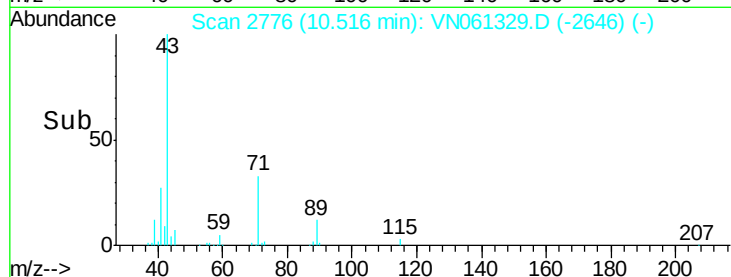
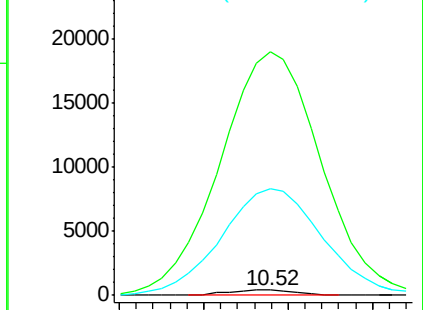
39 3119.6 35.9 53.9#



Abundance Ion 69.00 (68.70 to 69.70): VN061329.D (-2646) (-)

Ion 41.00 (40.70 to 41.70): VN061329.D (-2646) (-)

Ion 39.00 (38.70 to 39.70): VN061329.D (-2646) (-)



#57

1,3-Dichloropropane

Concen: 1.109 ug/l

RT: 10.73 min Scan# 2844

Delta R.T. 0.06 min

Lab File: VN061329.D

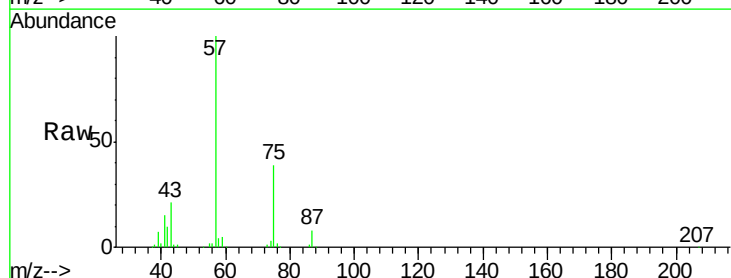
Acq: 7 May 2020 13:24

Tgt Ion: 76 Resp: 2373

Ion Ratio Lower Upper

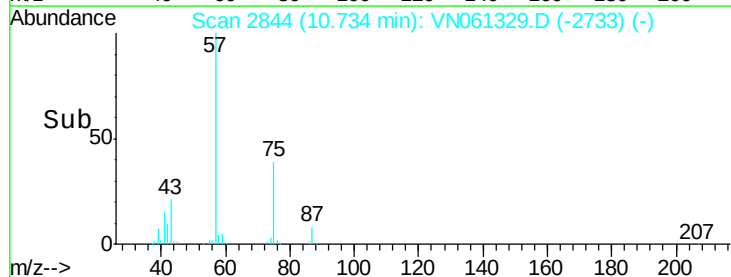
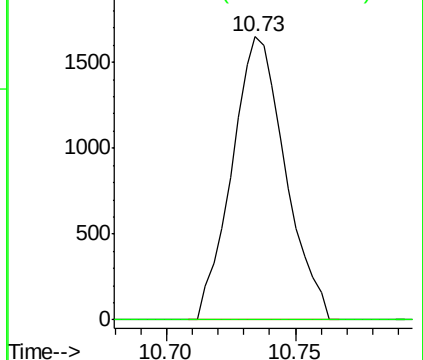
76 100

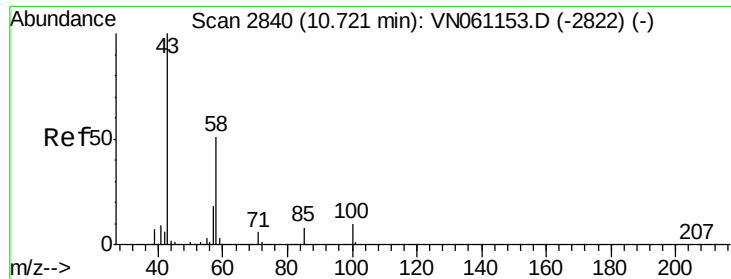
78 0.0 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VN061329.D (-2733) (-)

Ion 77.90 (77.60 to 78.60): VN061329.D (-2733) (-)

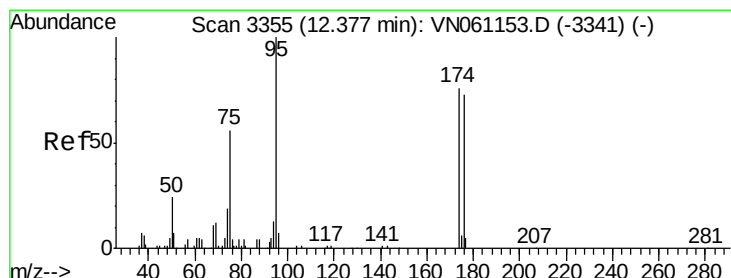
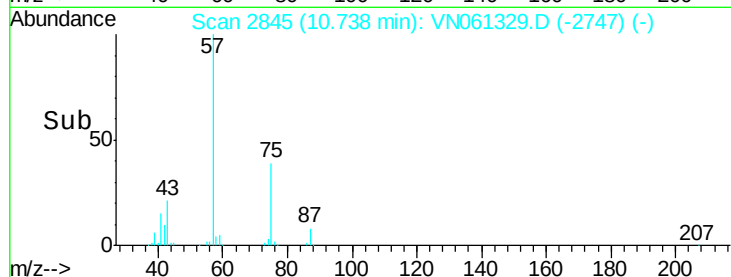
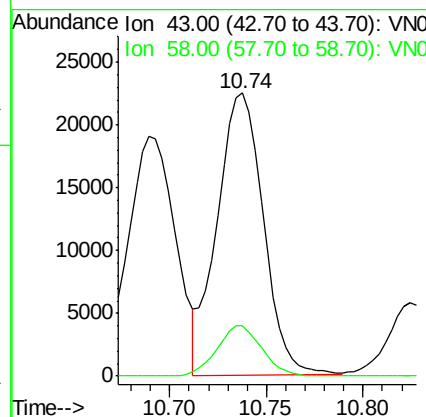
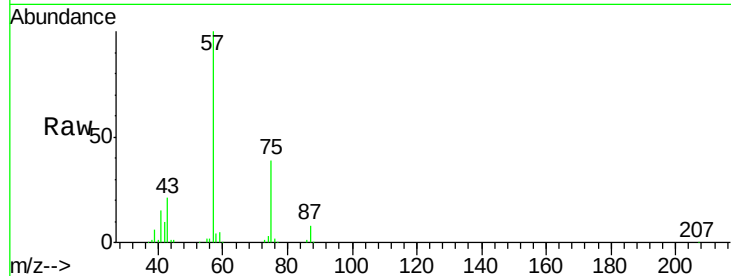




#59
2-Hexanone
Concen: 26.390 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.02 min
Lab File: VN061329.D
Acq: 7 May 2020 13:24

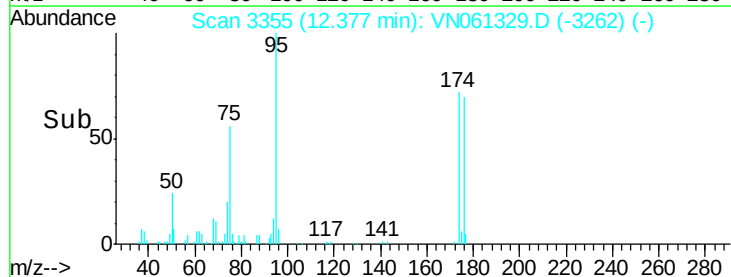
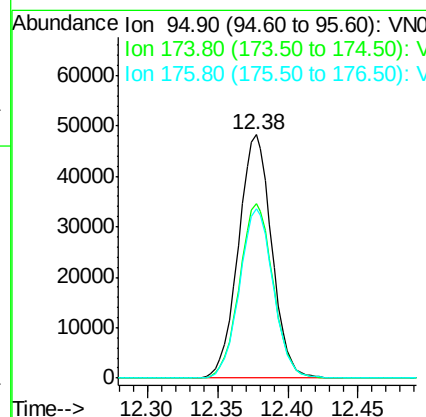
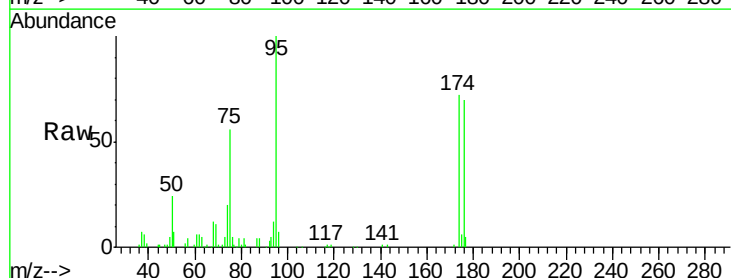
Instrument :
MSVOA_N
ClientSampled :

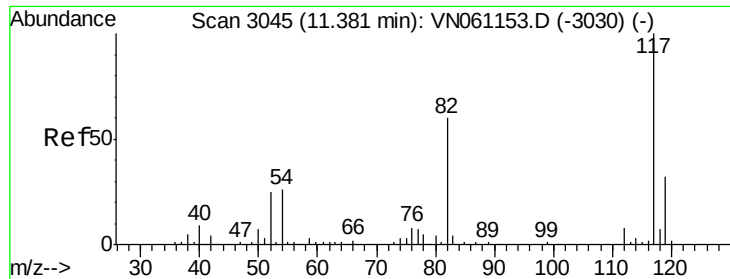
Tot Ion: 43 Resp: 37404
Ion Ratio Lower Upper
43 100
58 17.4 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 51.965 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061329.D
Acq: 7 May 2020 13:24

Tgt Ion: 95 Resp: 80107
Ion Ratio Lower Upper
95 100
174 72.2 0.0 149.4
176 70.1 0.0 144.8

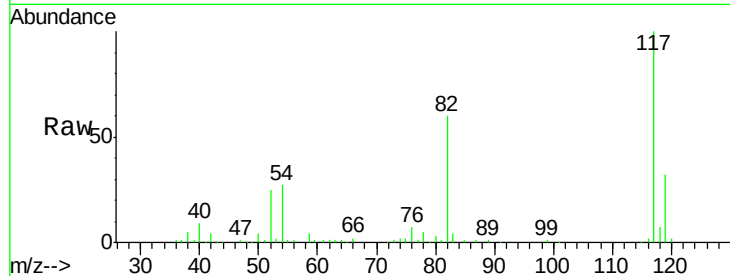




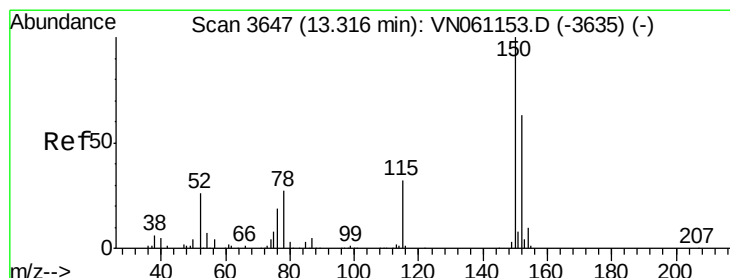
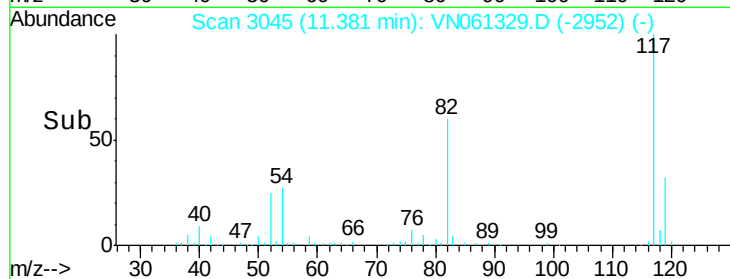
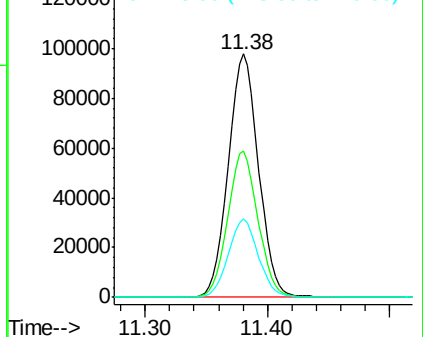
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061329.D
Acq: 7 May 2020 13:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 169340
Ion Ratio Lower Upper
117 100
82 60.1 47.8 71.8
119 32.1 25.8 38.6

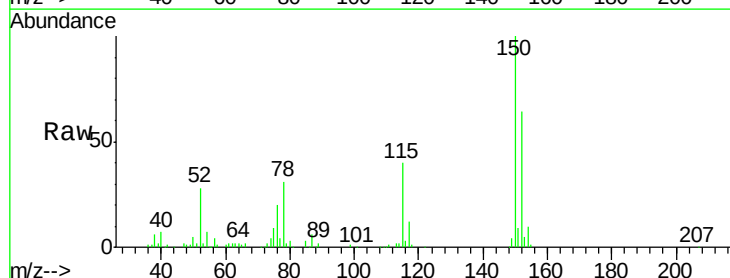


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

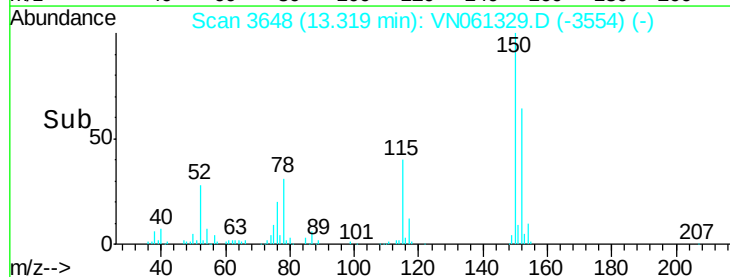
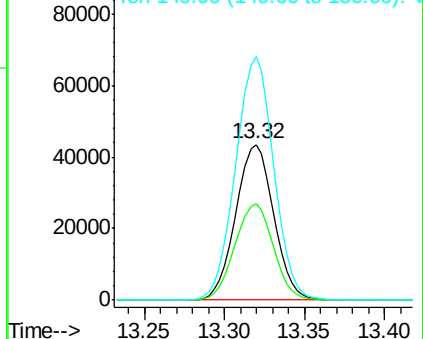


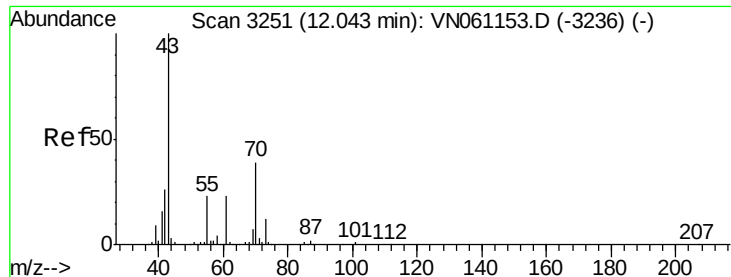
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3648
Delta R.T. 0.00 min
Lab File: VN061329.D
Acq: 7 May 2020 13:24

Tgt Ion:152 Resp: 70457
Ion Ratio Lower Upper
152 100
115 62.4 31.0 93.0
150 157.0 0.0 351.8



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: 0.544 ug/l

RT: 12.00 min Scan# 3238

Delta R.T. -0.04 min

Lab File: VN061329.D

Acq: 7 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 1427

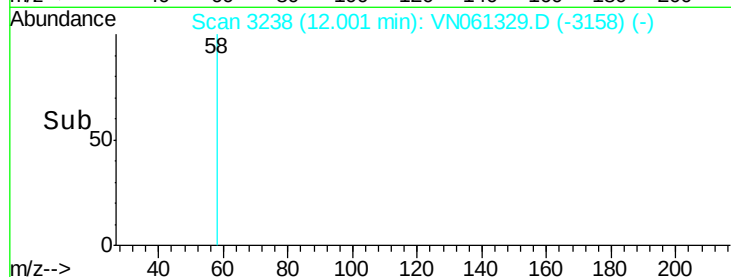
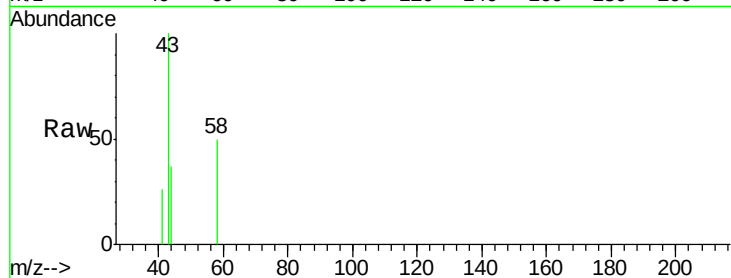
Ion Ratio Lower Upper

43 100

70 0.0 30.6 46.0#

55 0.0 18.5 27.7#

61 0.0 17.9 26.9#

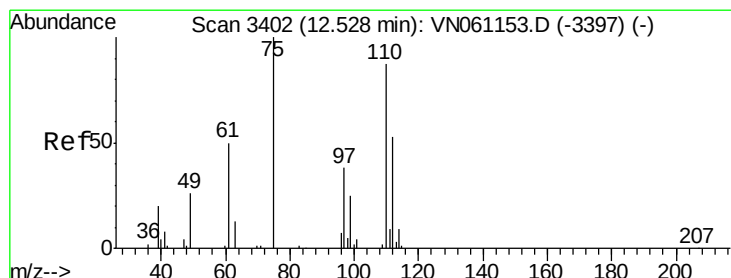
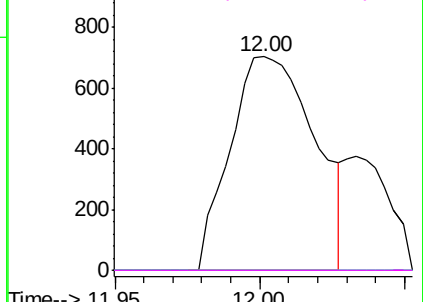


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 30.095 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061329.D

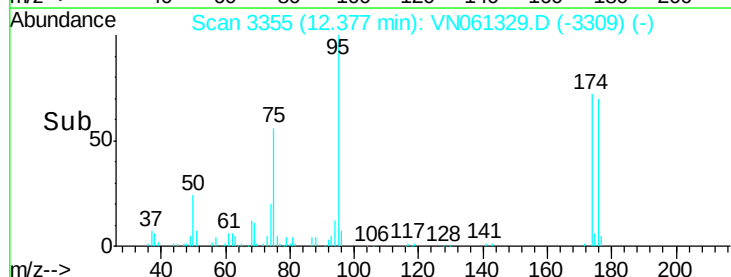
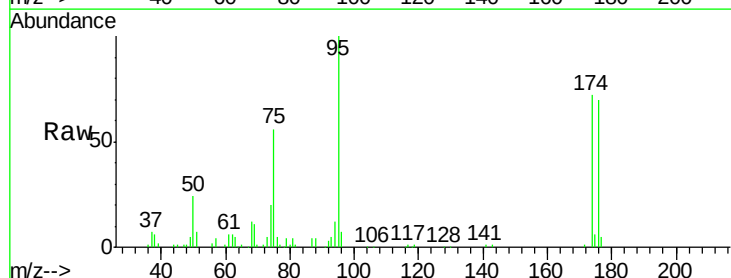
Acq: 7 May 2020 13:24

Tgt Ion: 75 Resp: 44704

Ion Ratio Lower Upper

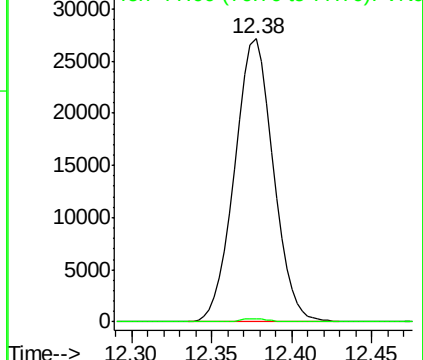
75 100

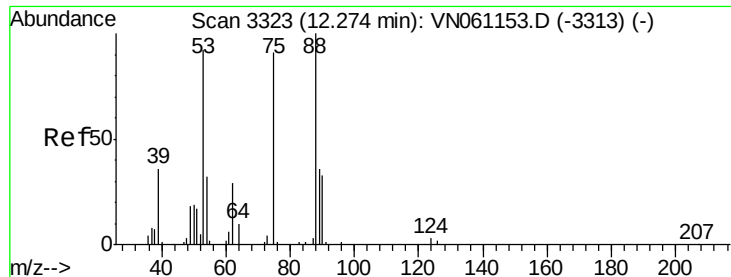
77 0.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 76.426 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061329.D

Acq: 7 May 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

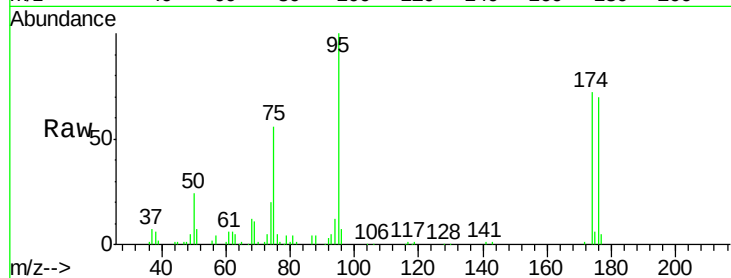
Tot Ion: 75 Resp: 44704

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

89 0.0 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

