

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051623\
 Data File : VN077691.D
 Acq On : 16 May 2023 14:39
 Operator : JC\MD
 Sample : 02804-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OWBR-03-128-148-051523

Quant Time: May 17 04:01:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

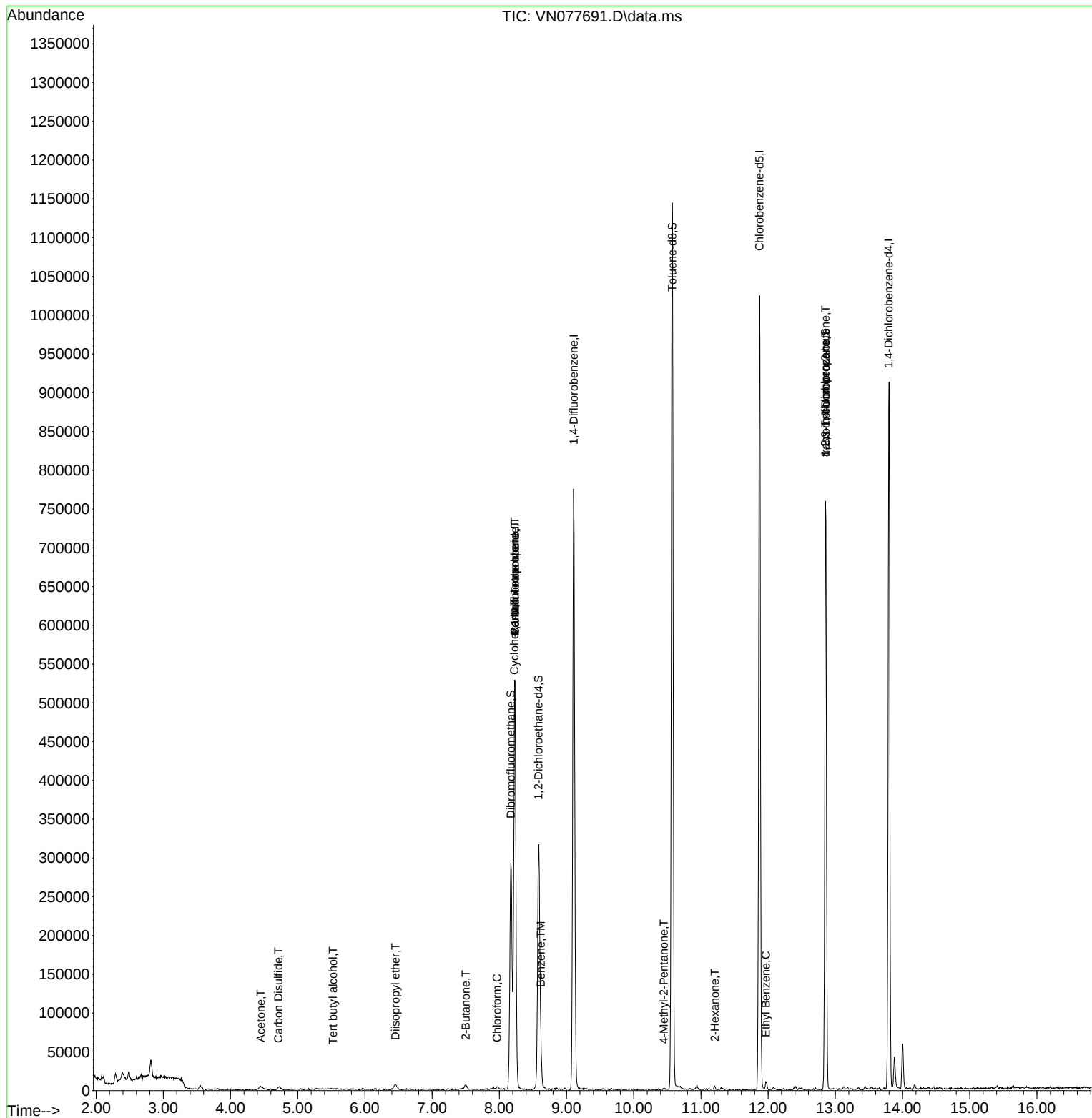
Internal Standards						
1) Pentafluorobenzene	8.230	168	366692	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	663829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	593952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	236696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	258732	47.157	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.320%		
35) Dibromofluoromethane	8.171	113	209851	48.478	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.960%		
50) Toluene-d8	10.571	98	828319	49.714	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.420%		
62) 4-Bromofluorobenzene	12.853	95	272814	46.361	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.720%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	2544	Below Cal		92
11) Tert butyl alcohol	5.524	59	387	0.511 ug/l #		72
13) Acrolein	4.195	56	140	Below Cal #		62
16) Acetone	4.448	43	7146	4.140 ug/l		94
17) Carbon Disulfide	4.712	76	2163	0.208 ug/l		95
20) Methylene Chloride	5.277	84	870	Below Cal #		81
22) Diisopropyl ether	6.453	45	5153	0.388 ug/l #		19
25) 2-Butanone	7.500	43	9881	3.659 ug/l		99
30) Chloroform	7.965	83	3265	0.365 ug/l #		74
31) Cyclohexane	8.224	56	9484	1.272 ug/l #		27
36) 1,1-Dichloropropene	8.230	75	32403	5.118 ug/l #		49
38) Carbon Tetrachloride	8.230	117	39950	6.249 ug/l #		15
40) Benzene	8.618	78	47142	2.523 ug/l		97
51) 4-Methyl-2-Pentanone	10.447	43	1483	0.271 ug/l #		31
59) 2-Hexanone	11.206	43	2646	0.653 ug/l		77
67) Ethyl Benzene	11.965	91	6490	0.281 ug/l #		86
76) 1,2,3-Trichloropropane	12.853	75	149175	25.166 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	149175	80.443 ug/l #		15

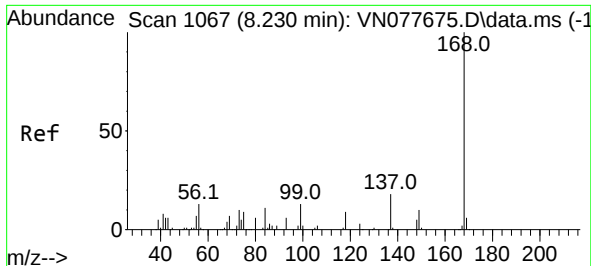
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077691.D

Acq: 16 May 2023 14:39

Instrument :

MSVOA_N

ClientSampleId :

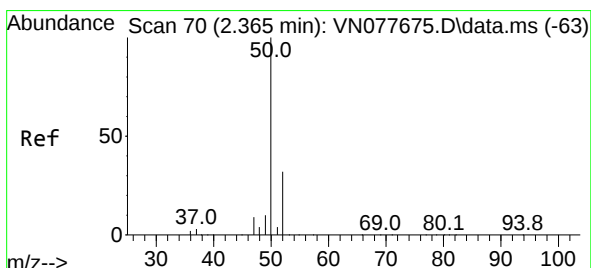
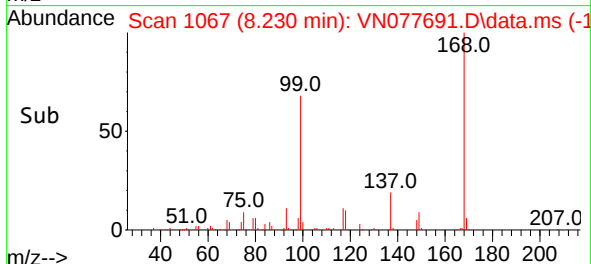
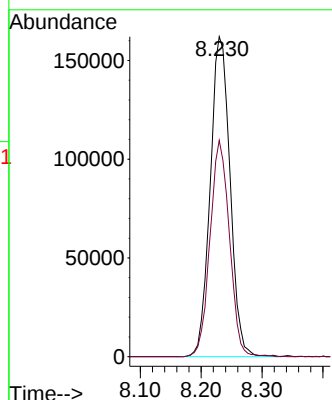
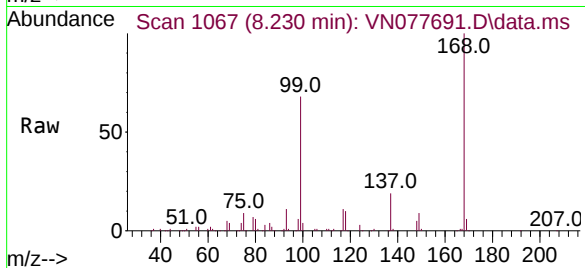
OWBR-03-128-148-051523

Tgt Ion:168 Resp: 366692

Ion Ratio Lower Upper

168 100

99 67.6 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN077691.D

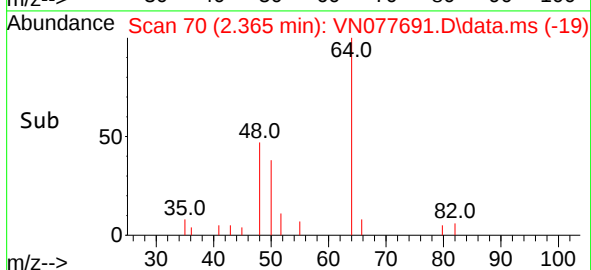
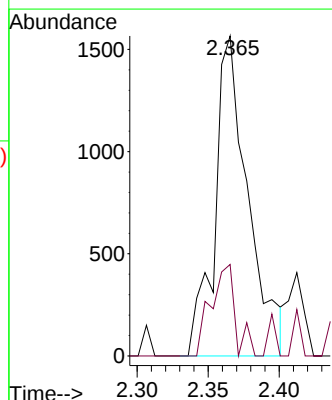
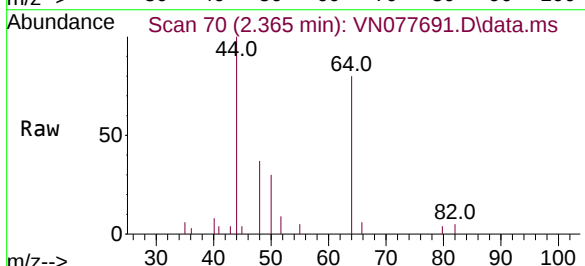
Acq: 16 May 2023 14:39

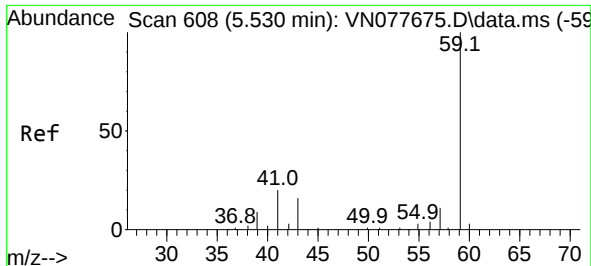
Tgt Ion: 50 Resp: 2544

Ion Ratio Lower Upper

50 100

52 28.6 26.5 39.7

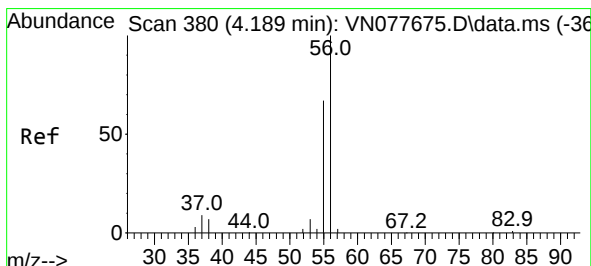
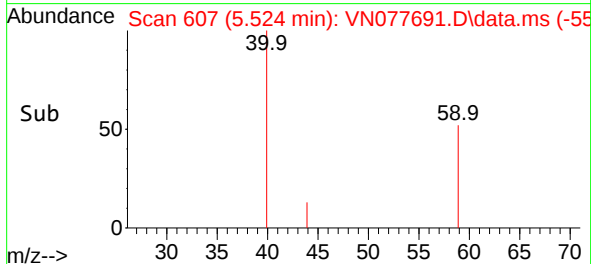
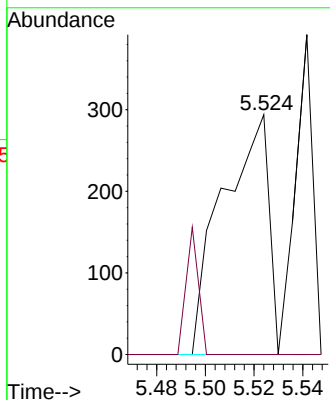
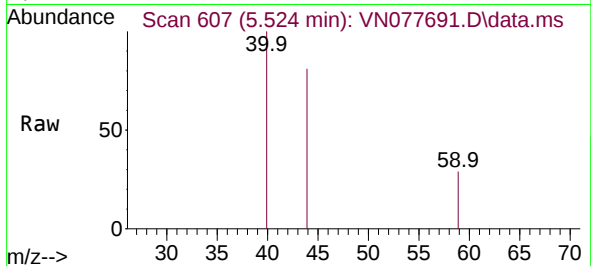




#11
Tert butyl alcohol
Concen: 0.511 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

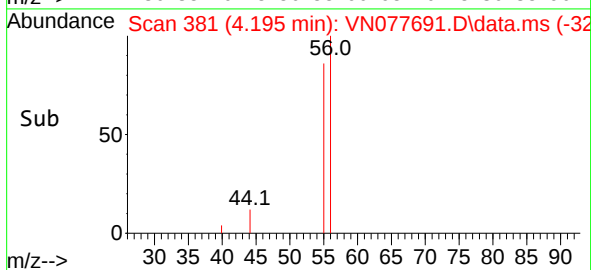
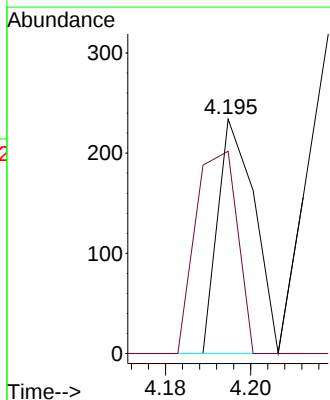
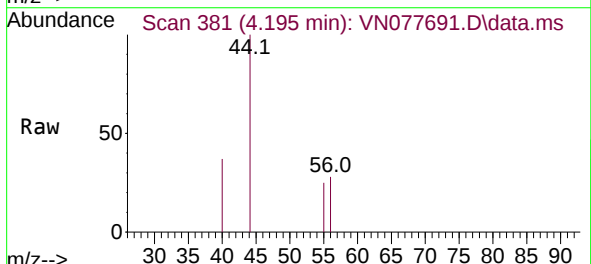
Instrument :
MSVOA_N
ClientSampleId :
OWBR-03-128-148-051523

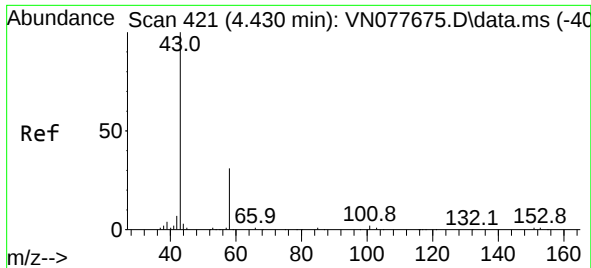
Tgt Ion: 59 Resp: 387
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

Tgt Ion: 56 Resp: 140
Ion Ratio Lower Upper
56 100
55 98.6 54.5 81.7#





#16

Acetone

Concen: 4.140 ug/l

RT: 4.448 min Scan# 41

Delta R.T. 0.018 min

Lab File: VN077691.D

Acq: 16 May 2023 14:39

Instrument :

MSVOA_N

ClientSampleId :

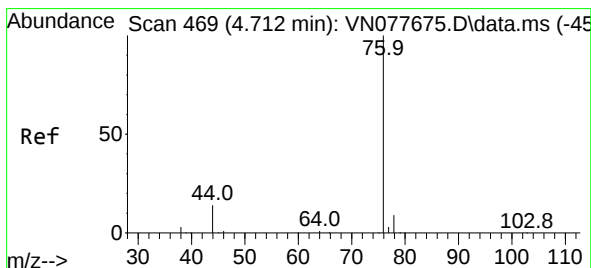
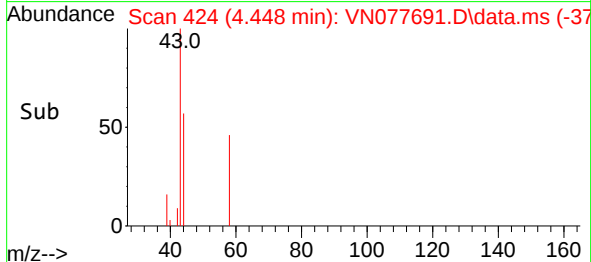
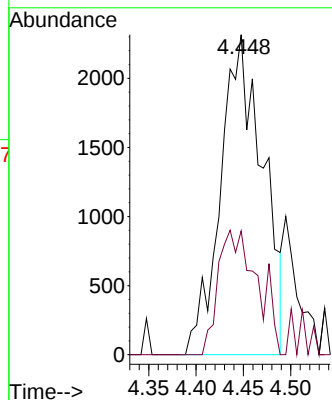
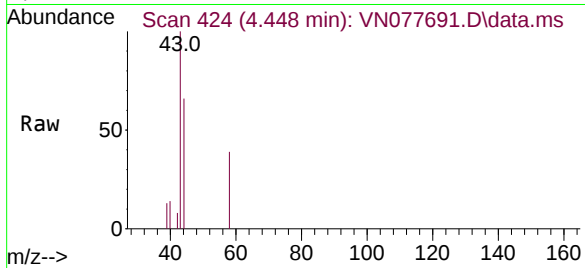
OWBR-03-128-148-051523

Tgt Ion: 43 Resp: 7146

Ion Ratio Lower Upper

43 100

58 38.7 28.0 42.0



#17

Carbon Disulfide

Concen: 0.208 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN077691.D

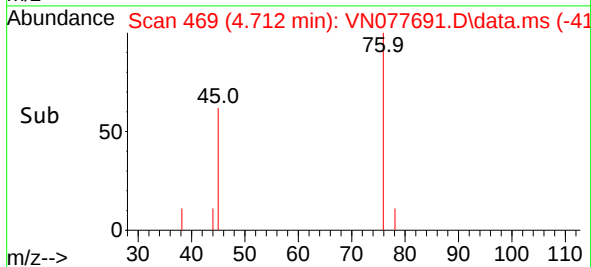
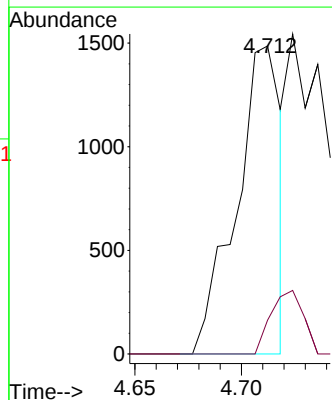
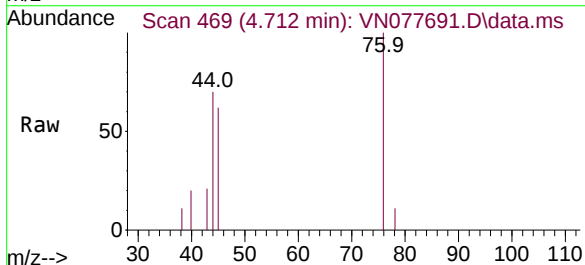
Acq: 16 May 2023 14:39

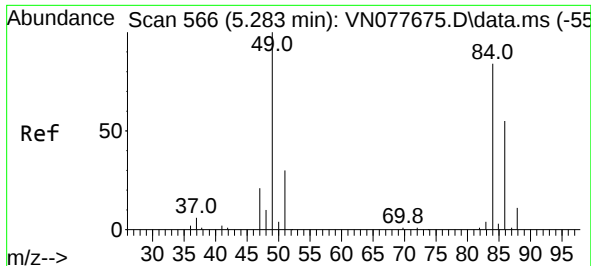
Tgt Ion: 76 Resp: 2163

Ion Ratio Lower Upper

76 100

78 11.0 7.4 11.0

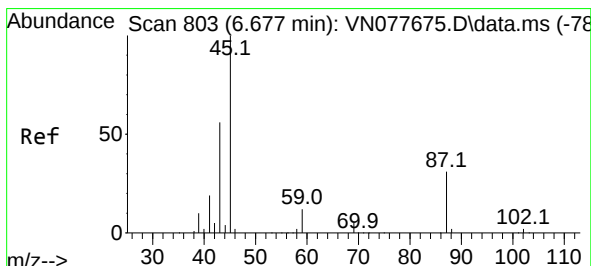
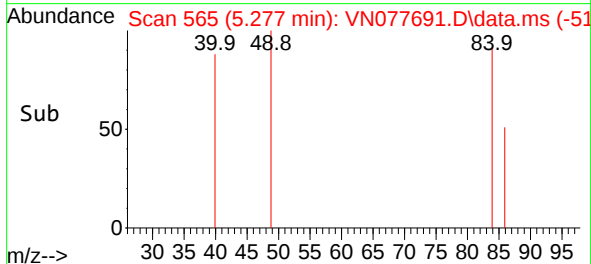
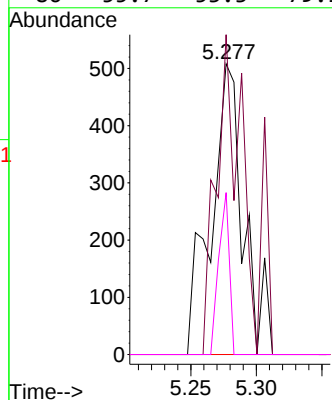
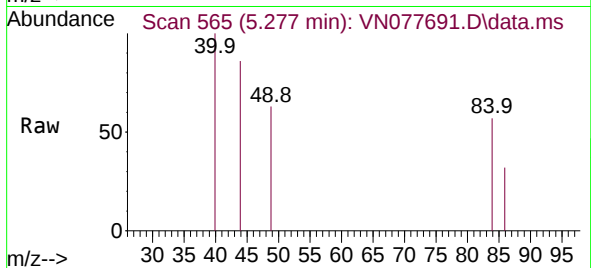




#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

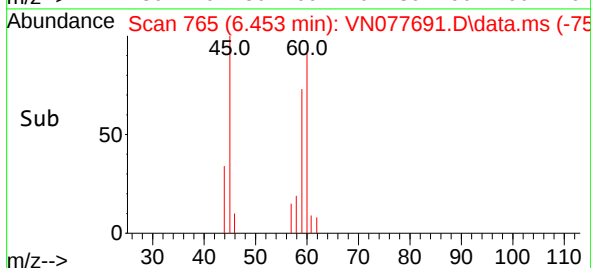
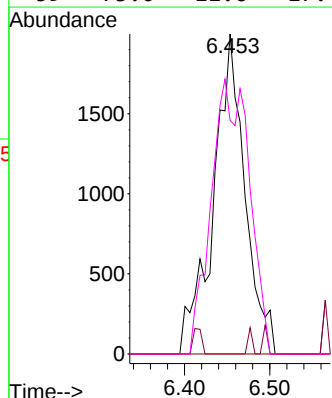
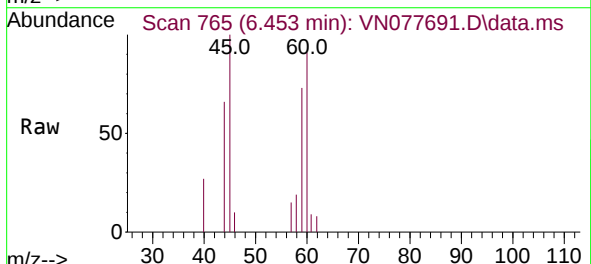
Instrument :
MSVOA_N
ClientSampleId :
OWBR-03-128-148-051523

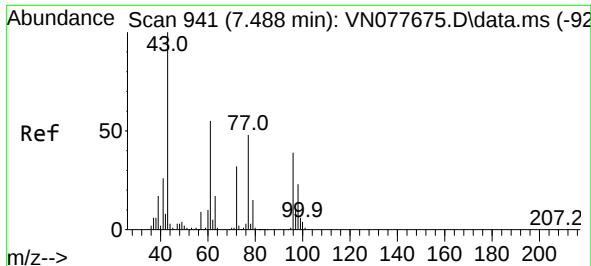
Tgt Ion:	84	Resp:	870
Ion	Ratio	Lower	Upper
84	100		
49	110.0	79.7	119.5
51	0.0	25.2	37.8#
86	55.7	53.3	79.9



#22
Diisopropyl ether
Concen: 0.388 ug/l
RT: 6.453 min Scan# 765
Delta R.T. -0.224 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

Tgt Ion:	45	Resp:	5153
Ion	Ratio	Lower	Upper
45	100		
43	0.0	45.5	68.3#
87	0.0	31.8	47.8#
59	73.0	11.6	17.4#

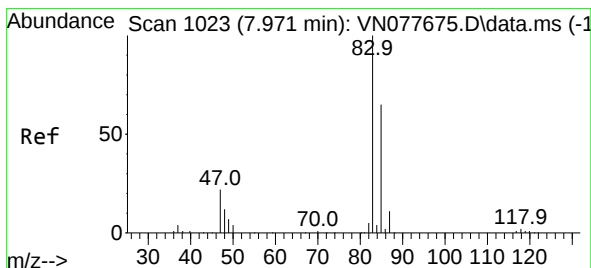
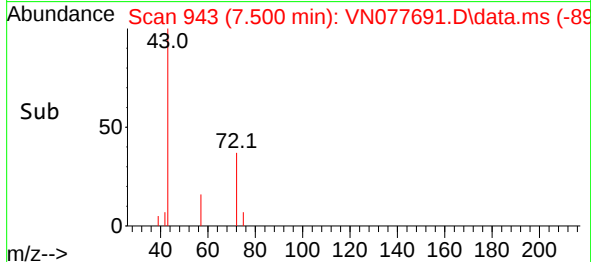
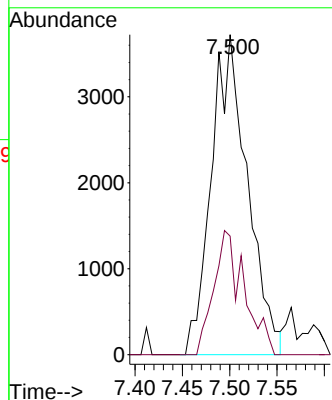
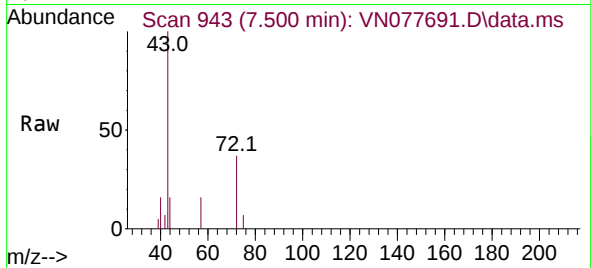




#25
2-Butanone
Concen: 3.659 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

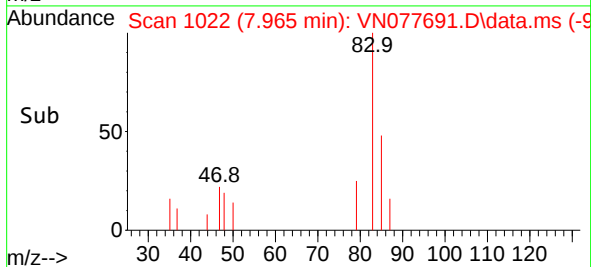
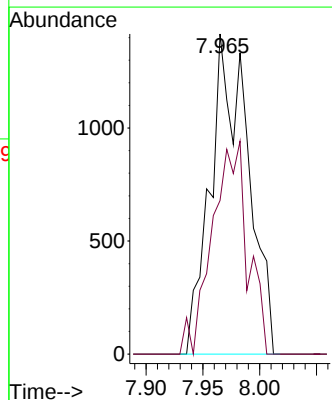
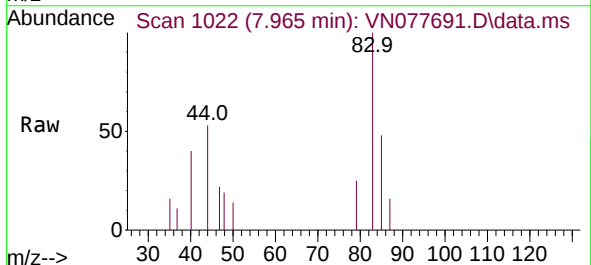
Instrument :
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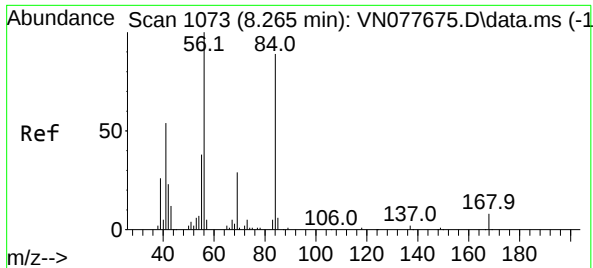
Tgt Ion: 43 Resp: 9881
Ion Ratio Lower Upper
43 100
72 37.1 30.2 45.2



#30
Chloroform
Concen: 0.365 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.006 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

Tgt Ion: 83 Resp: 3265
Ion Ratio Lower Upper
83 100
85 48.0 55.4 83.0#

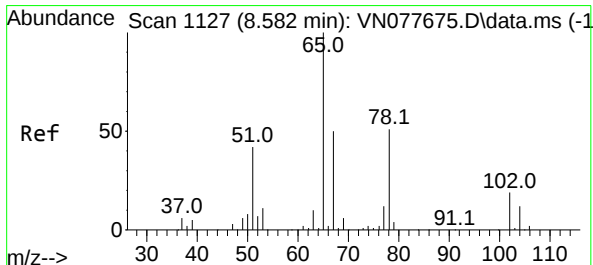
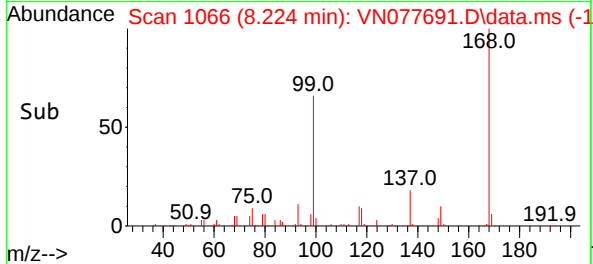
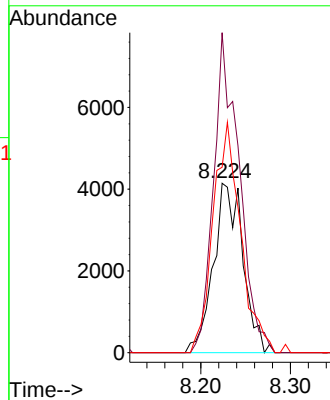
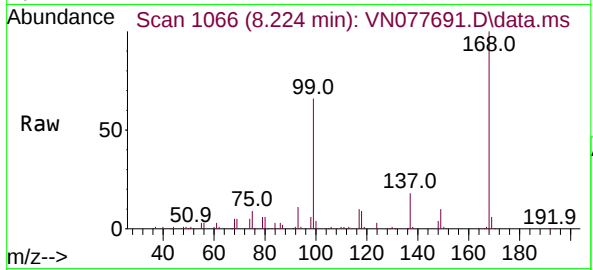




#31
Cyclohexane
Concen: 1.272 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

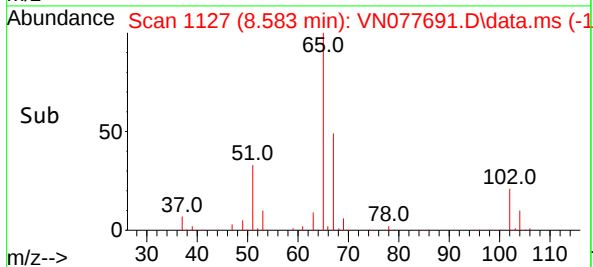
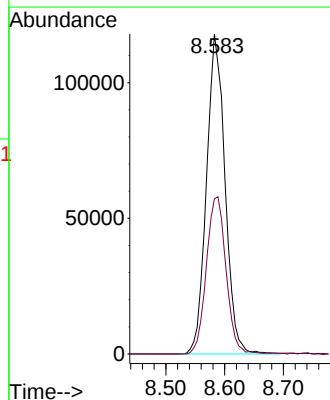
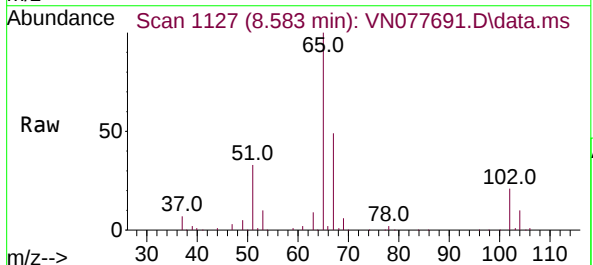
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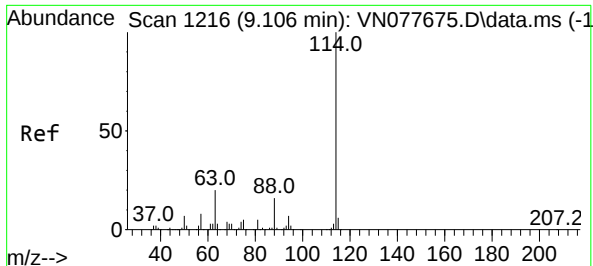
Tgt Ion: 56 Resp: 9484
Ion Ratio Lower Upper
56 100
69 188.9 26.8 40.2#
84 109.5 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 47.157 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

Tgt Ion: 65 Resp: 258732
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.6

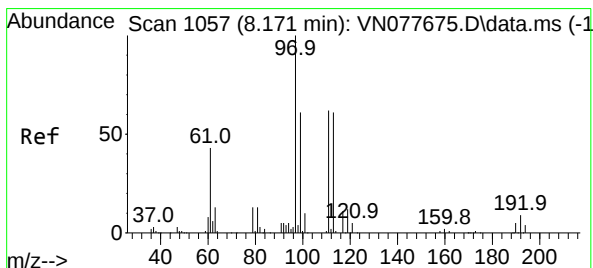
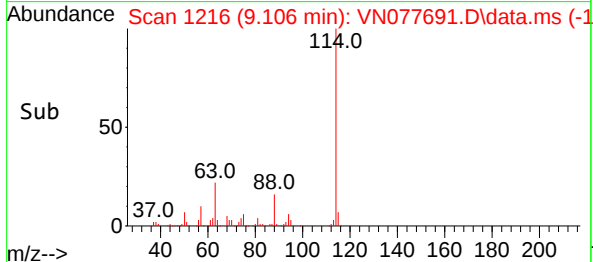
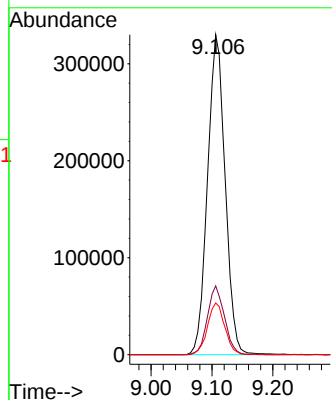
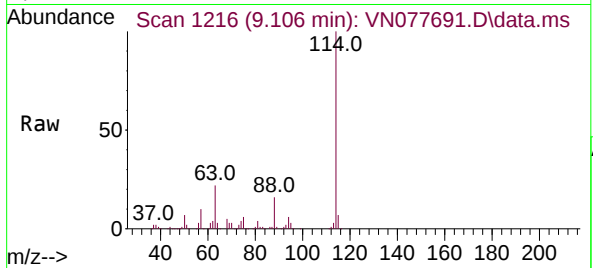




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

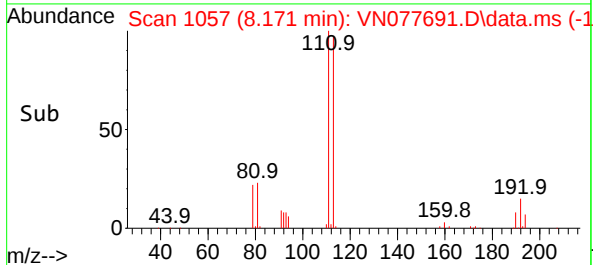
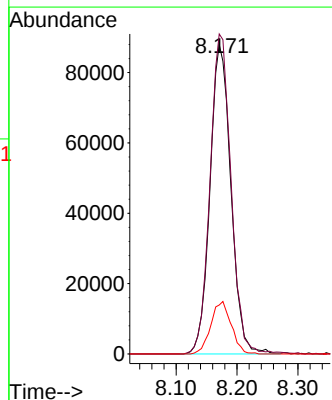
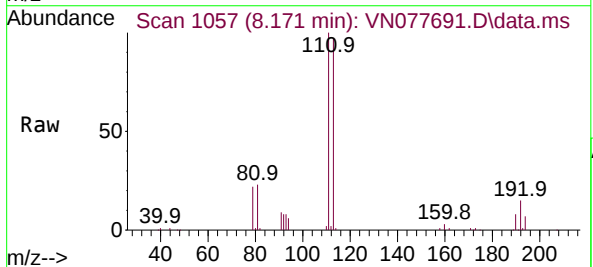
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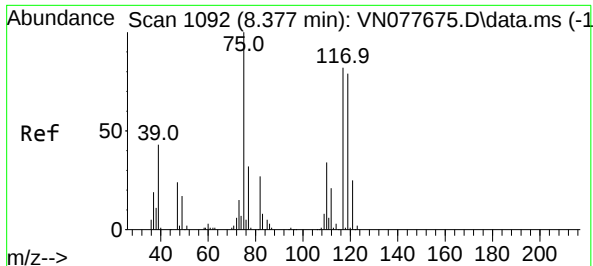
Tgt Ion:114 Resp: 663829
Ion Ratio Lower Upper
114 100
63 21.5 0.0 36.4
88 16.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.478 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

Tgt Ion:113 Resp: 209851
Ion Ratio Lower Upper
113 100
111 104.0 82.6 123.8
192 16.6 12.7 19.1

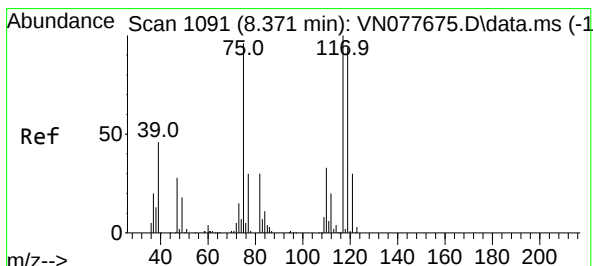
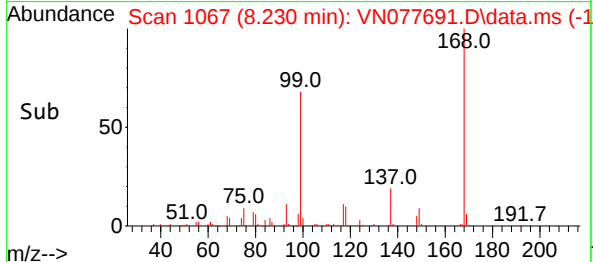
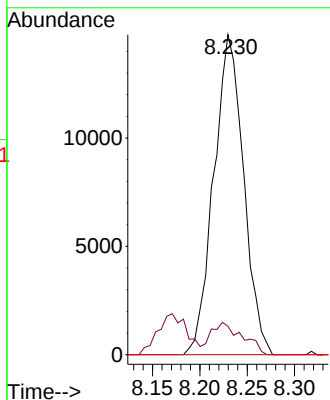
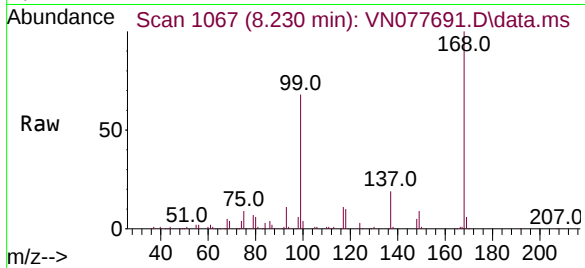




#36
1,1-Dichloropropene
Concen: 5.118 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

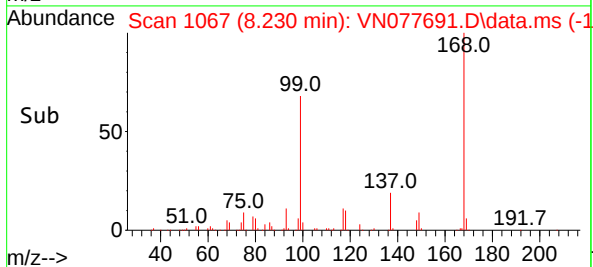
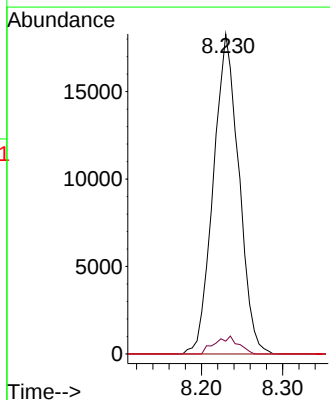
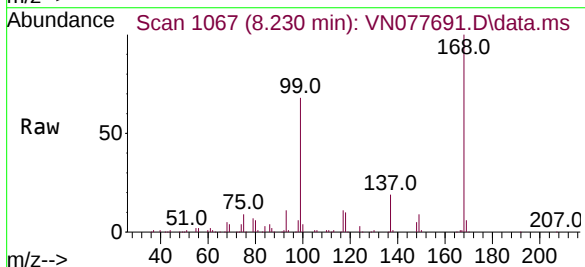
Instrument :
MSVOA_N
ClientSampleId :
OWBR-03-128-148-051523

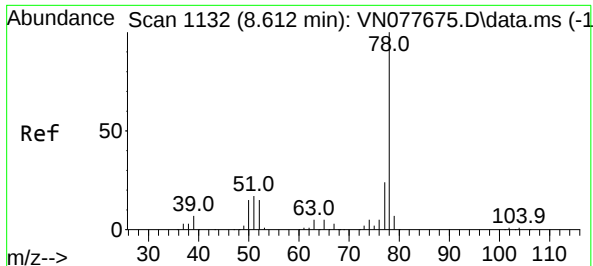
Tgt Ion: 75 Resp: 32403
Ion Ratio Lower Upper
75 100
110 10.6 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.249 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

Tgt Ion: 117 Resp: 39950
Ion Ratio Lower Upper
117 100
119 4.0 77.3 115.9#
121 0.0 23.3 34.9#

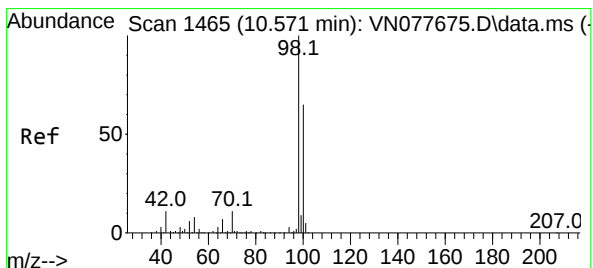
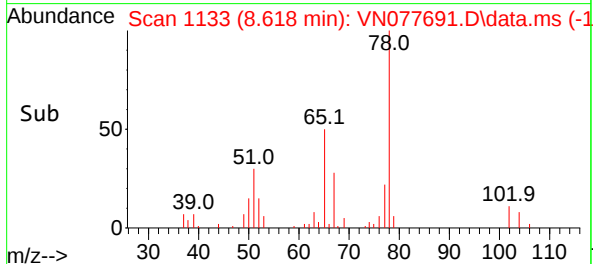
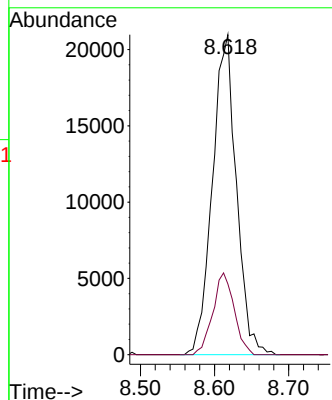
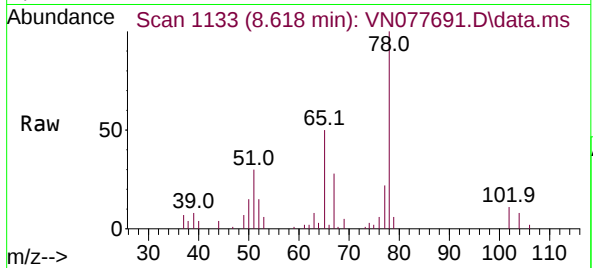




#40
Benzene
Concen: 2.523 ug/l
RT: 8.618 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

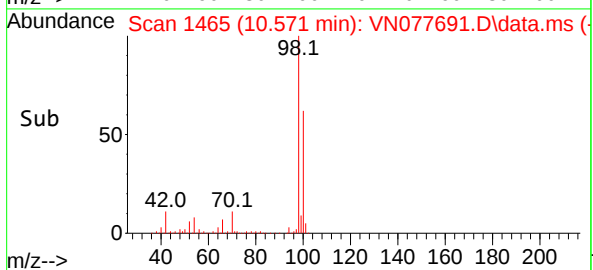
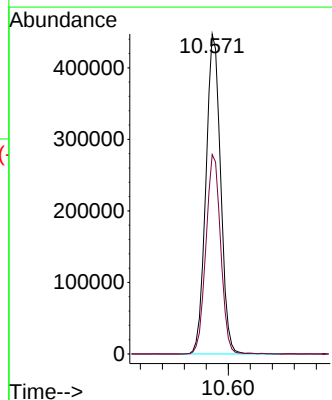
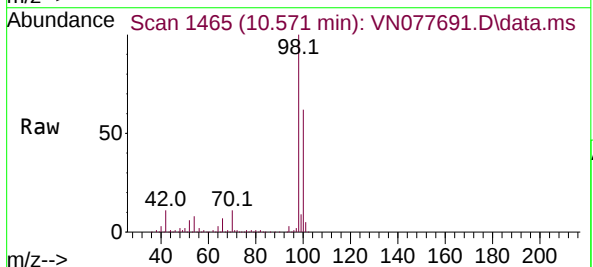
Instrument :
MSVOA_N
ClientSampleId :
OWBR-03-128-148-051523

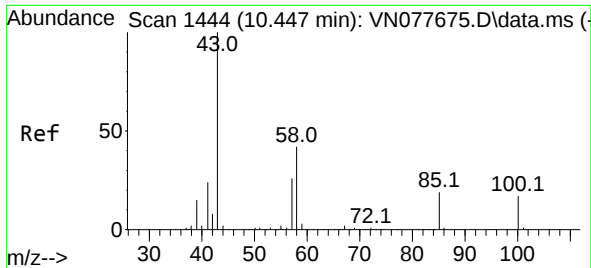
Tgt Ion: 78 Resp: 47142
Ion Ratio Lower Upper
78 100
77 22.1 19.0 28.6



#50
Toluene-d8
Concen: 49.714 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

Tgt Ion: 98 Resp: 828319
Ion Ratio Lower Upper
98 100
100 62.4 52.0 78.0

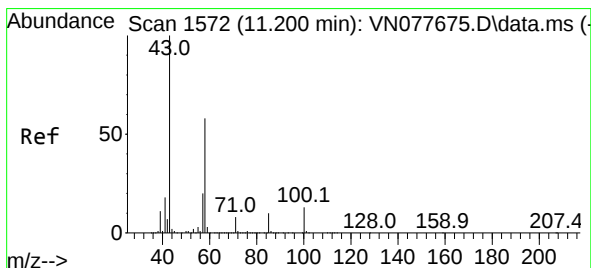
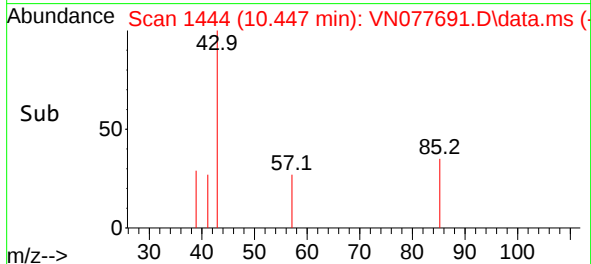
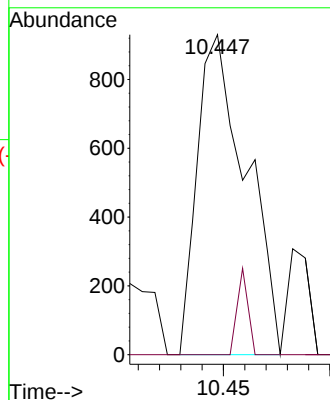
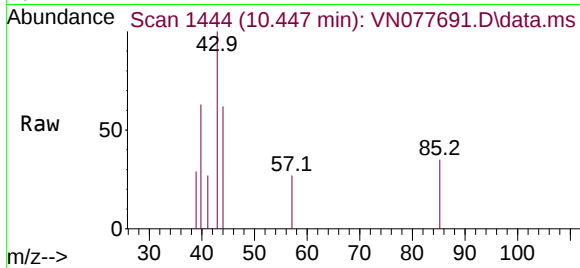




#51
4-Methyl-2-Pentanone
Concen: 0.271 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

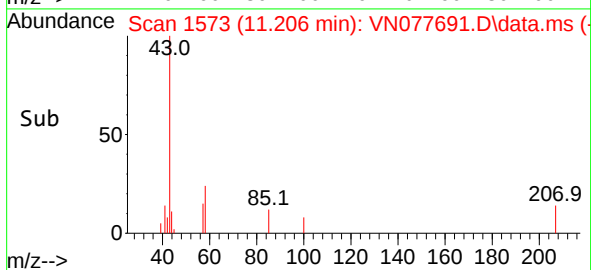
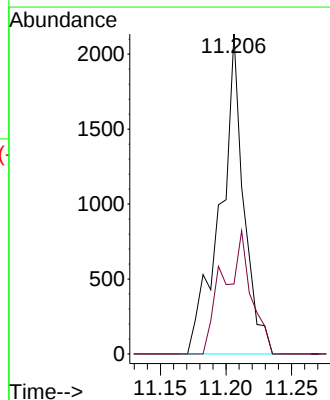
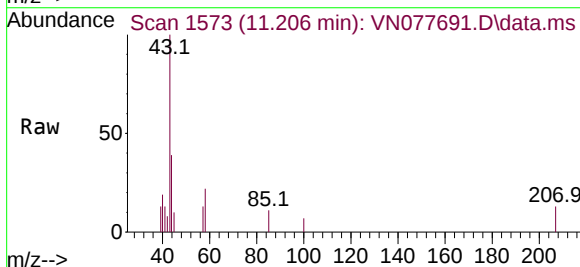
Instrument :
MSVOA_N
ClientSampleId :
OWBR-03-128-148-051523

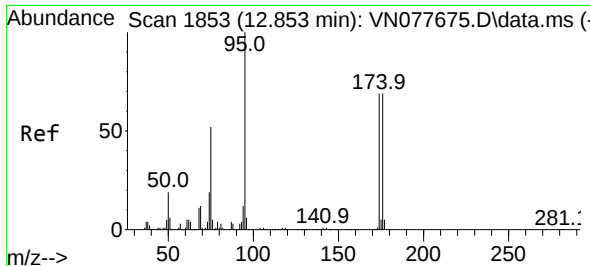
Tgt Ion: 43 Resp: 1483
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#



#59
2-Hexanone
Concen: 0.653 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

Tgt Ion: 43 Resp: 2646
Ion Ratio Lower Upper
43 100
58 45.7 31.7 95.1

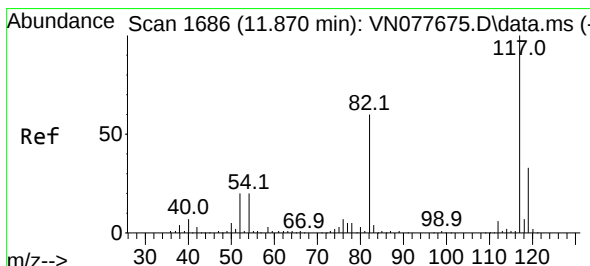
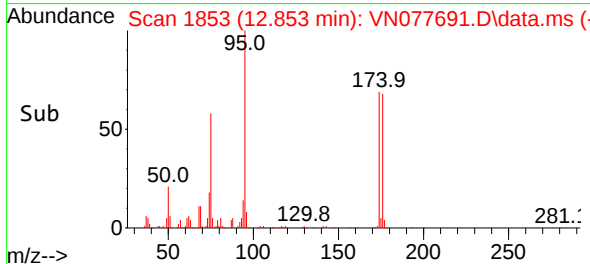
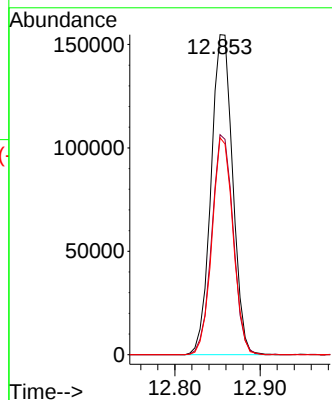
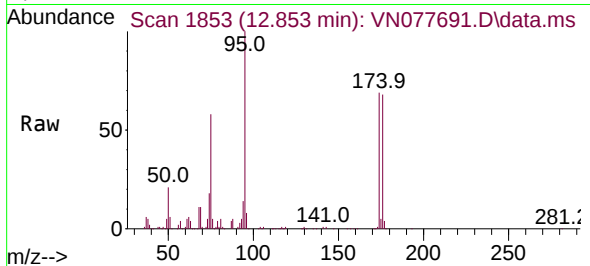




#62
4-Bromofluorobenzene
Concen: 46.361 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

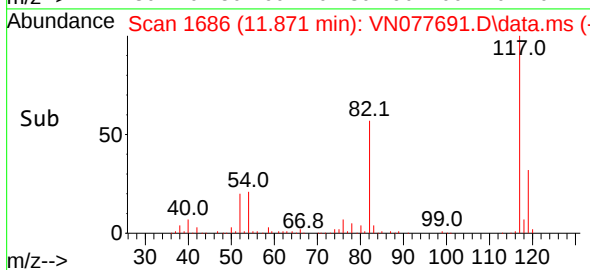
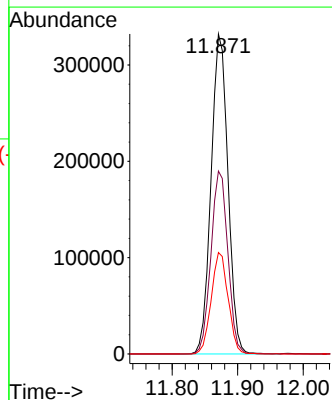
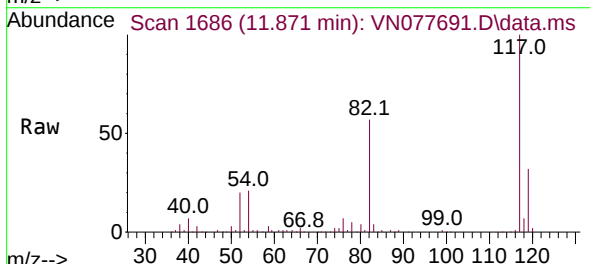
Instrument :
MSVOA_N
ClientSampleId :
OWBR-03-128-148-051523

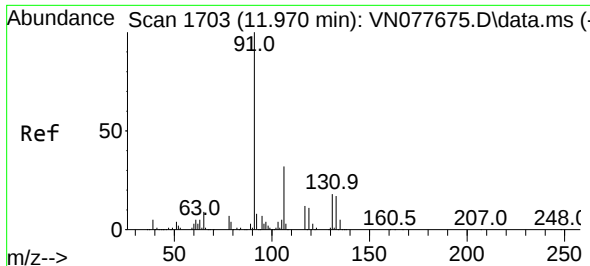
Tgt Ion: 95 Resp: 272814
Ion Ratio Lower Upper
95 100
174 67.8 0.0 143.8
176 65.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

Tgt Ion: 117 Resp: 593952
Ion Ratio Lower Upper
117 100
82 57.2 44.0 66.0
119 31.7 25.6 38.4

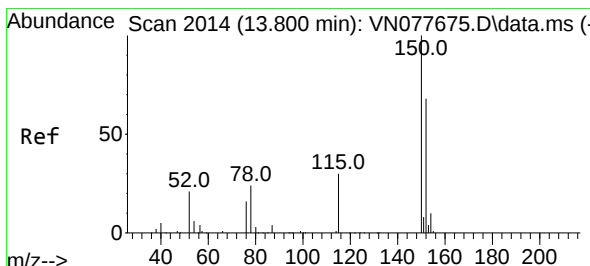
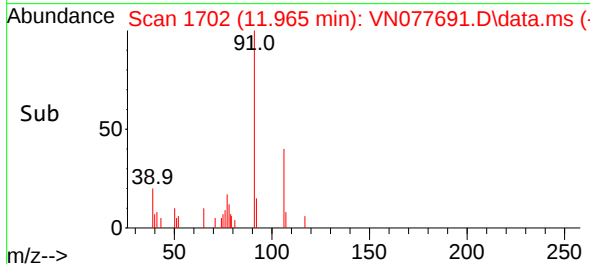
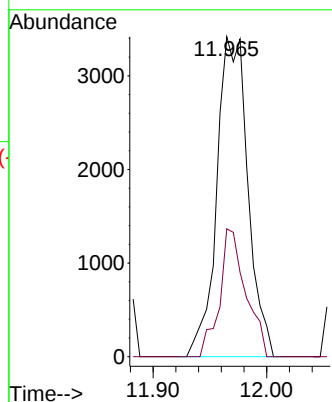
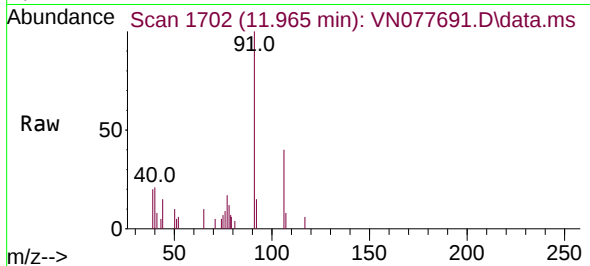




#67
Ethyl Benzene
Concen: 0.281 ug/l
RT: 11.965 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

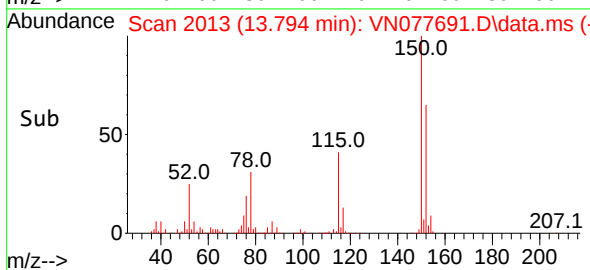
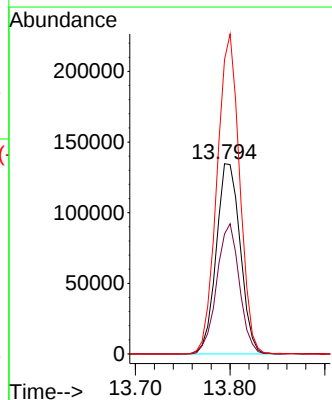
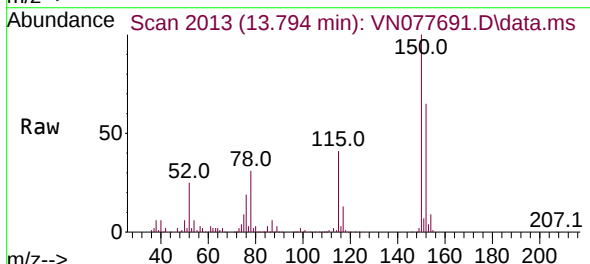
Instrument :
MSVOA_N
ClientSampleId :
OWBR-03-128-148-051523

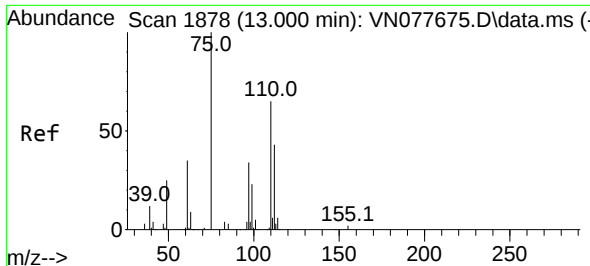
Tgt Ion: 91 Resp: 6490
Ion Ratio Lower Upper
91 100
106 40.0 25.6 38.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

Tgt Ion:152 Resp: 236696
Ion Ratio Lower Upper
152 100
115 64.7 32.3 96.8
150 158.7 0.0 355.8

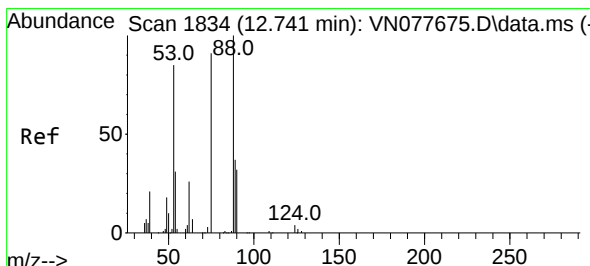
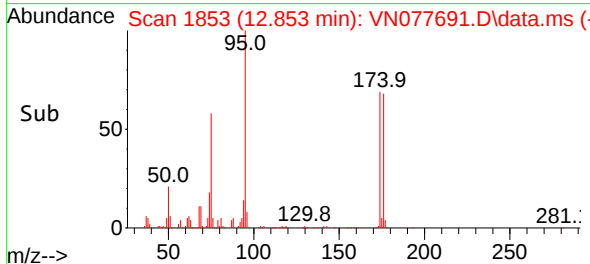
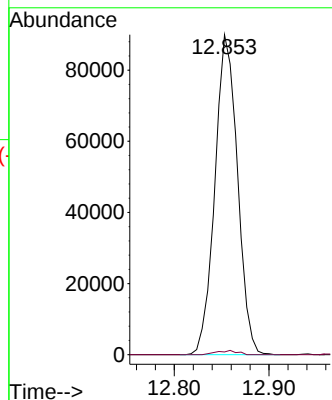
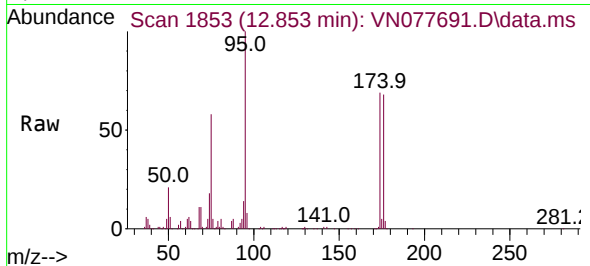




#76
1,2,3-Trichloropropane
Concen: 25.166 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

Instrument :
MSVOA_N
ClientSampleId :
OWBR-03-128-148-051523

Tgt Ion: 75 Resp: 149175
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.443 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077691.D
Acq: 16 May 2023 14:39

Tgt Ion: 75 Resp: 149175
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#

