

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032223\
 Data File : VN077114.D
 Acq On : 22 Mar 2023 17:48
 Operator : JC\MD
 Sample : 01849-02DL 20X
 Misc : 10.14 g/5.0mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CB-10-12.0-030823DL

Quant Time: Mar 22 23:26:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

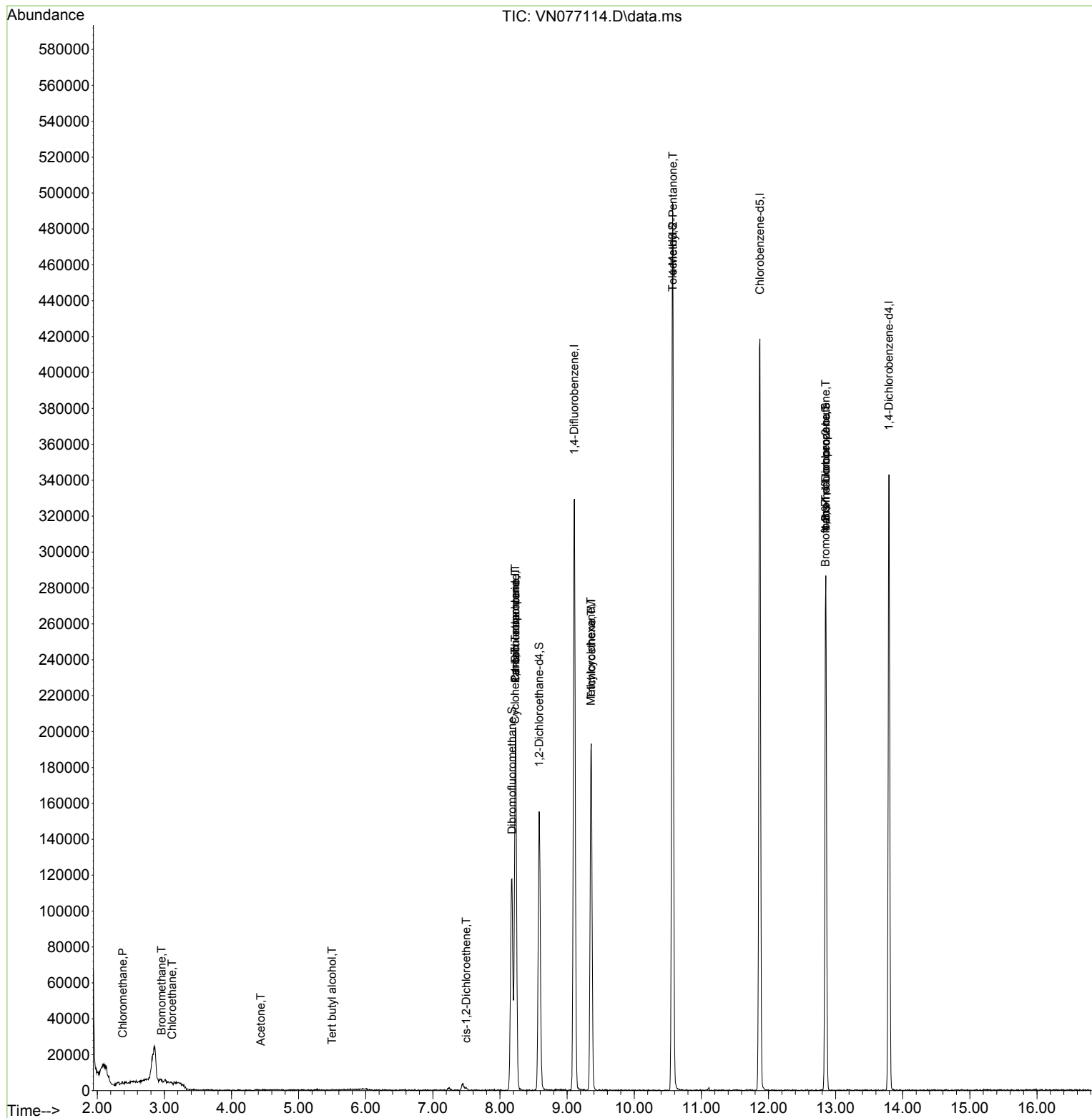
Internal Standards						
1) Pentafluorobenzene	8.231	168	124865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	248832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	216697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	73393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	123842	62.092	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.180%			
35) Dibromofluoromethane	8.178	113	84224	48.332	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.660%			
50) Toluene-d8	10.572	98	315476	50.680	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.360%			
62) 4-Bromofluorobenzene	12.854	95	89714	40.786	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 81.580%#			
Target Compounds						Qvalue
3) Chloromethane	2.378	50	334	0.265	ug/l #	43
5) Bromomethane	2.960	94	411	0.448	ug/l #	53
6) Chloroethane	3.113	64	523	0.609	ug/l #	42
11) Tert butyl alcohol	5.495	59	127	0.437	ug/l #	72
16) Acetone	4.437	43	181	0.204	ug/l #	43
27) cis-1,2-Dichloroethene	7.495	96	686	0.365	ug/l	87
31) Cyclohexane	8.225	56	4588	1.406	ug/l #	58
36) 1,1-Dichloropropene	8.231	75	14617	5.370	ug/l #	51
38) Carbon Tetrachloride	8.231	117	14677	5.536	ug/l #	17
39) Methylcyclohexane	9.354	83	700	0.220	ug/l #	1
44) Trichloroethene	9.360	130	61911	32.653	ug/l	94
51) 4-Methyl-2-Pentanone	10.577	43	2203	0.778	ug/l #	1
71) Bromoform	12.848	173	1027	0.822	ug/l #	28
76) 1,2,3-Trichloropropane	12.854	75	55485	29.227	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	55485	80.449	ug/l #	10

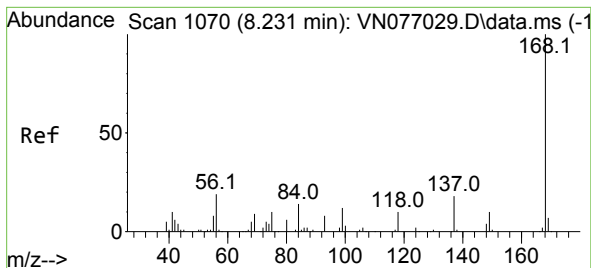
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 20 08:50:30 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VN077114.D

Acq: 22 Mar 2023 17:48

Instrument :

MSVOA_N

ClientSampleId :

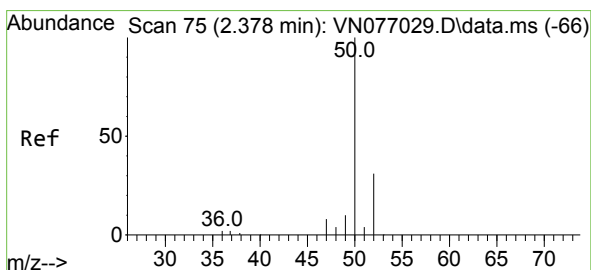
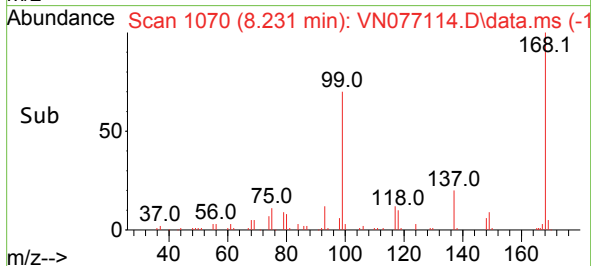
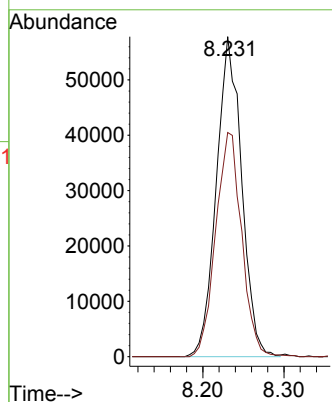
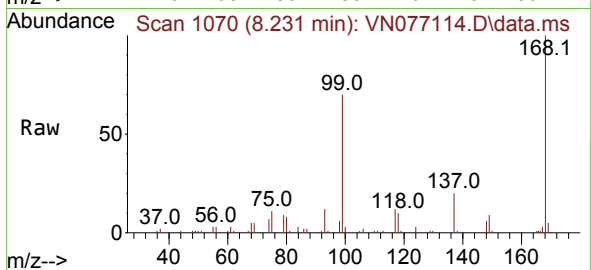
CB-10-12.0-030823DL

Tgt Ion:168 Resp: 124865

Ion Ratio Lower Upper

168 100

99 70.0 53.9 80.9



#3

Chloromethane

Concen: 0.265 ug/l

RT: 2.378 min Scan# 75

Delta R.T. -0.000 min

Lab File: VN077114.D

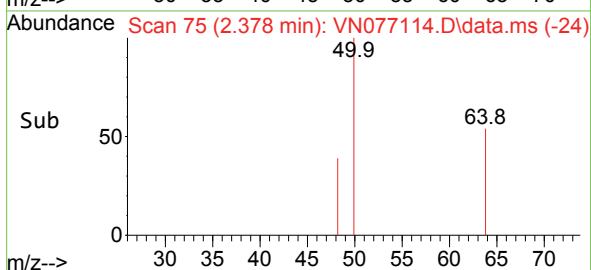
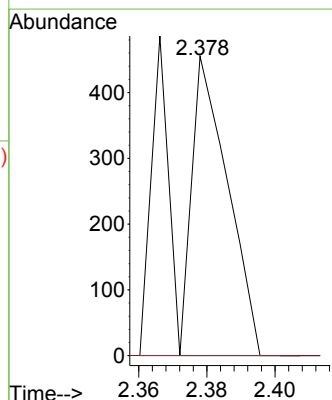
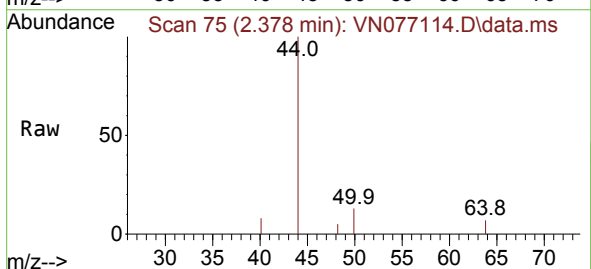
Acq: 22 Mar 2023 17:48

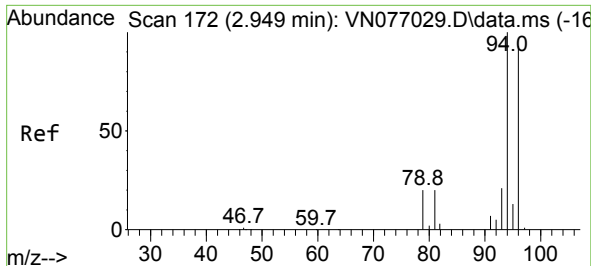
Tgt Ion: 50 Resp: 334

Ion Ratio Lower Upper

50 100

52 0.0 25.1 37.7#





#5

Bromomethane

Concen: 0.448 ug/l

RT: 2.960 min Scan# 11

Delta R.T. 0.011 min

Lab File: VN077114.D

Acq: 22 Mar 2023 17:48

Instrument :

MSVOA_N

ClientSampleId :

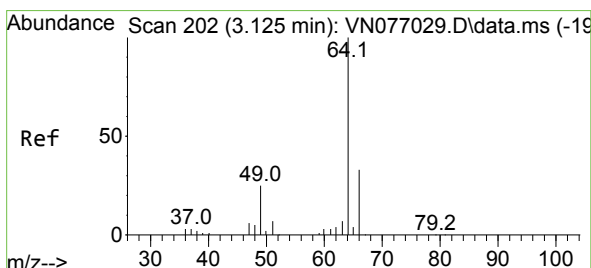
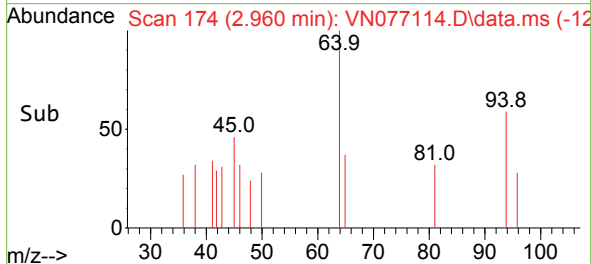
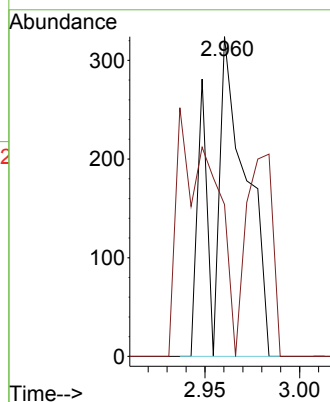
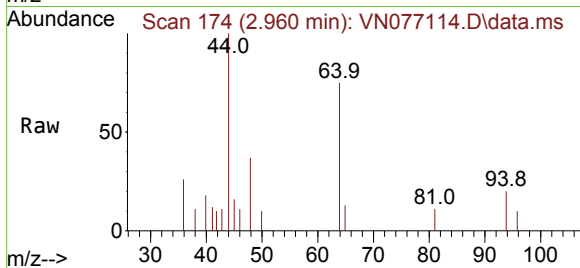
CB-10-12.0-030823DL

Tgt Ion: 94 Resp: 411

Ion Ratio Lower Upper

94 100

96 47.5 74.1 111.1#



#6

Chloroethane

Concen: 0.609 ug/l

RT: 3.113 min Scan# 200

Delta R.T. -0.012 min

Lab File: VN077114.D

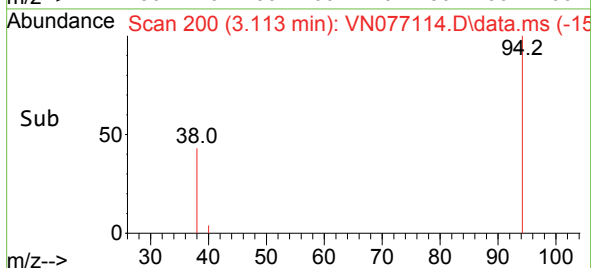
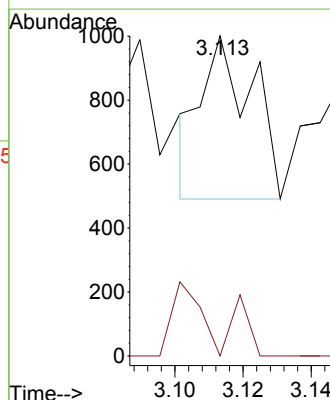
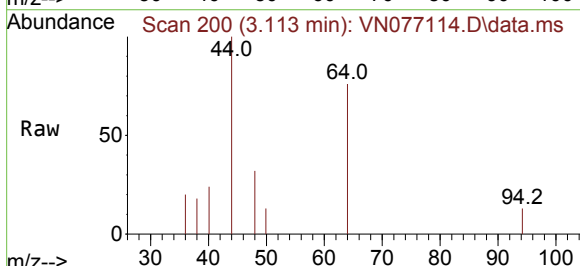
Acq: 22 Mar 2023 17:48

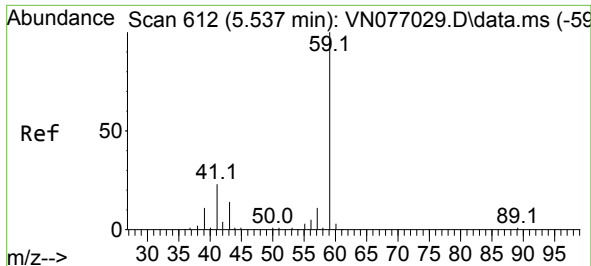
Tgt Ion: 64 Resp: 523

Ion Ratio Lower Upper

64 100

66 0.0 26.3 39.5#

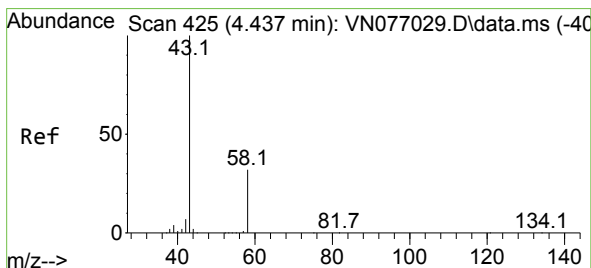
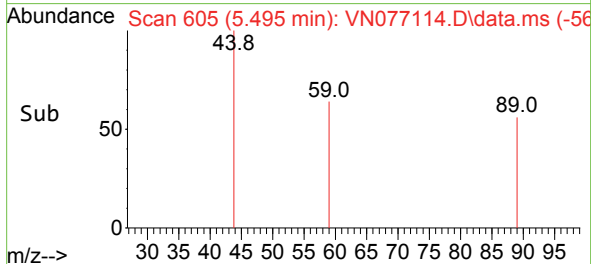
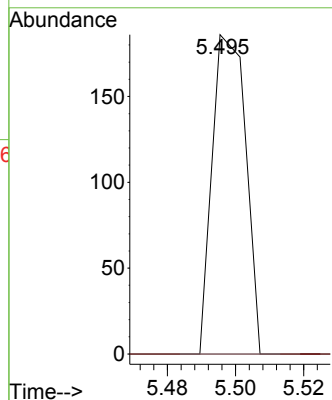
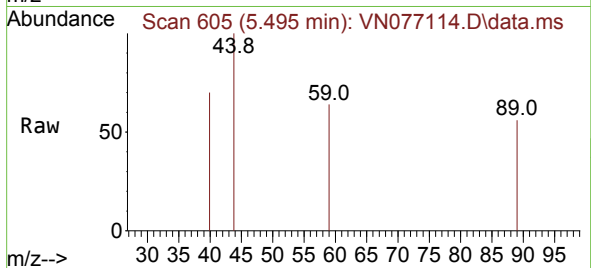




#11
Tert butyl alcohol
Concen: 0.437 ug/l
RT: 5.495 min Scan# 605
Delta R.T. -0.042 min
Lab File: VN077114.D
Acq: 22 Mar 2023 17:48

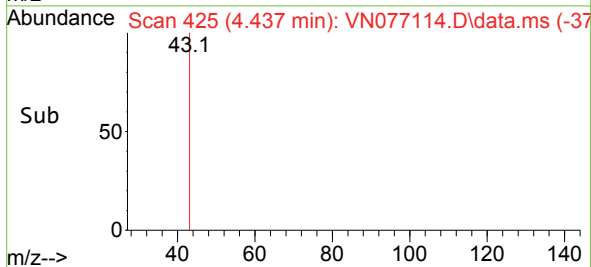
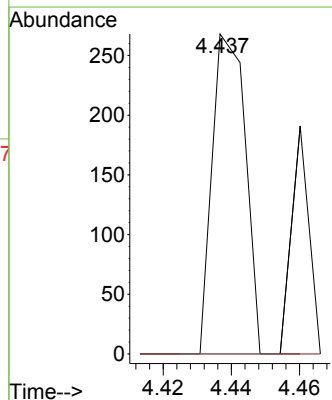
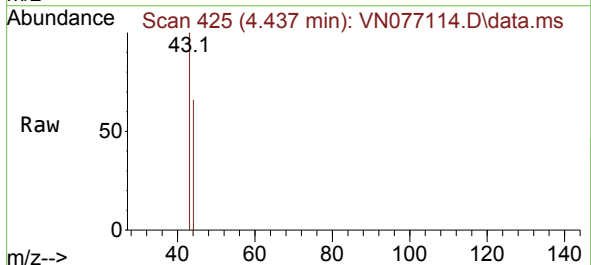
Instrument :
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CB-10-12.0-030823DL

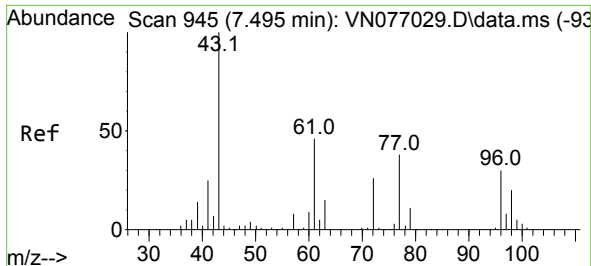
Tgt Ion: 59 Resp: 127
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 0.204 ug/l
RT: 4.437 min Scan# 425
Delta R.T. -0.000 min
Lab File: VN077114.D
Acq: 22 Mar 2023 17:48

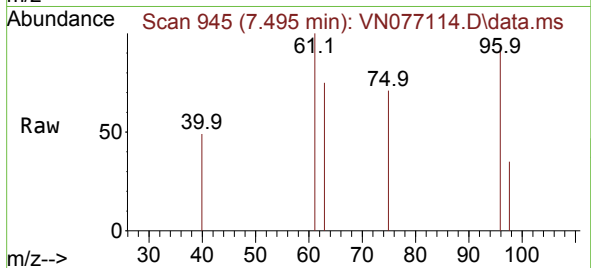
Tgt Ion: 43 Resp: 181
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#



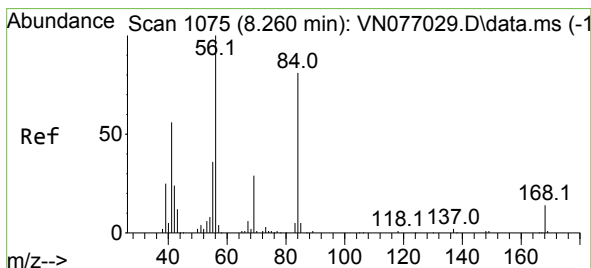
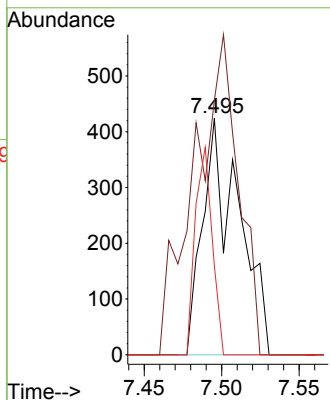
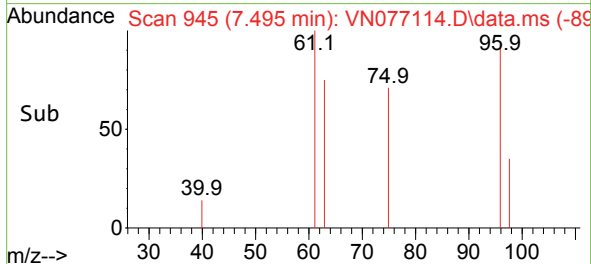


#27
 cis-1,2-Dichloroethene
 Concen: 0.365 ug/l
 RT: 7.495 min Scan# 945
 Delta R.T. 0.000 min
 Lab File: VN077114.D
 Acq: 22 Mar 2023 17:48

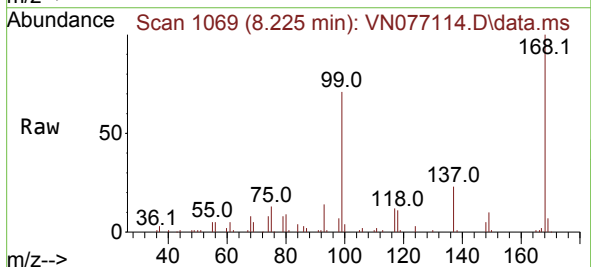
Instrument :
 MSVOA_N
 ClientSampleId :
 CB-10-12.0-030823DL



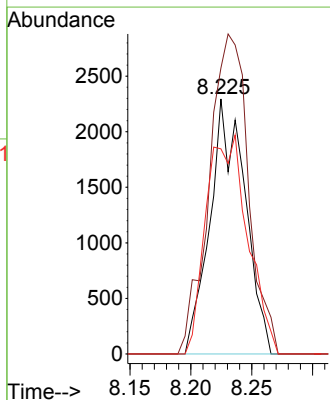
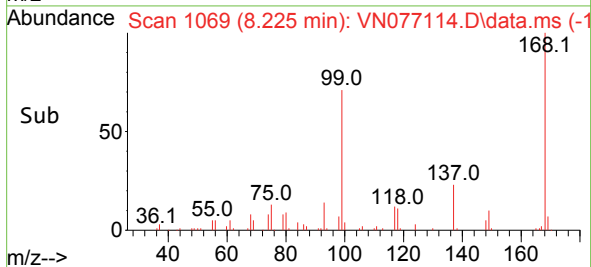
Tgt Ion:	96	Resp:	686
Ion	Ratio	Lower	Upper
96	100		
61	165.6	0.0	315.4
98	41.4	0.0	128.6

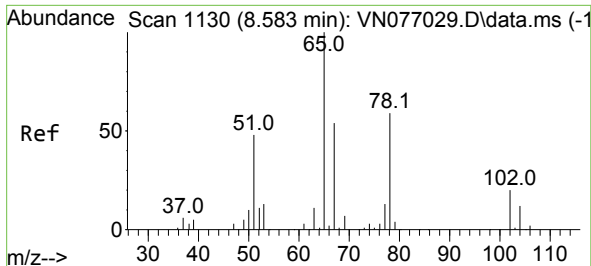


#31
 Cyclohexane
 Concen: 1.406 ug/l
 RT: 8.225 min Scan# 1069
 Delta R.T. -0.035 min
 Lab File: VN077114.D
 Acq: 22 Mar 2023 17:48



Tgt Ion:	56	Resp:	4588
Ion	Ratio	Lower	Upper
56	100		
69	112.2	22.8	34.2#
84	80.4	64.7	97.1





#33

1,2-Dichloroethane-d4

Concen: 62.092 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077114.D

Acq: 22 Mar 2023 17:48

Instrument :

MSVOA_N

ClientSampleId :

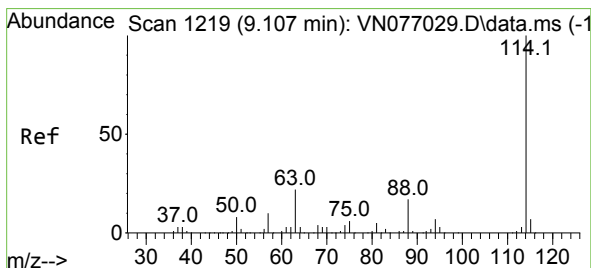
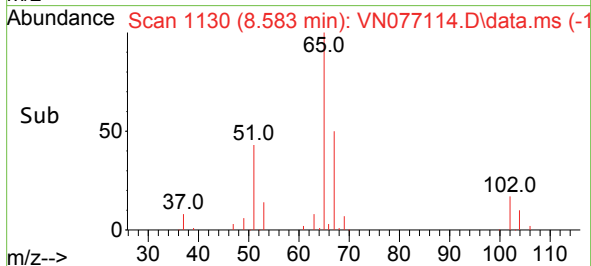
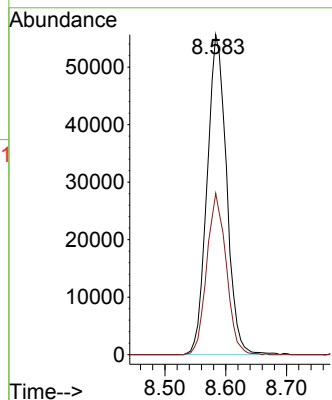
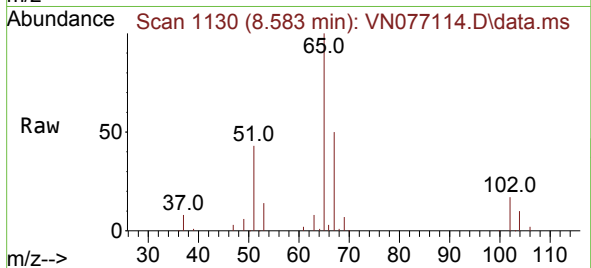
CB-10-12.0-030823DL

Tgt Ion: 65 Resp: 123842

Ion Ratio Lower Upper

65 100

67 50.2 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077114.D

Acq: 22 Mar 2023 17:48

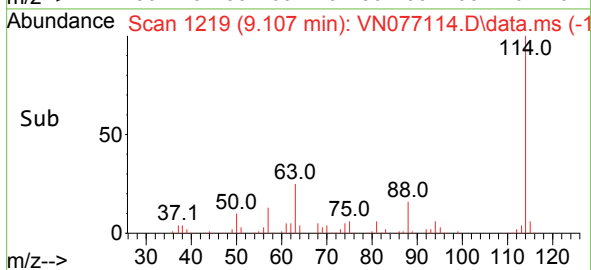
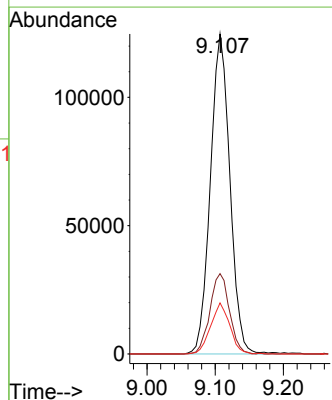
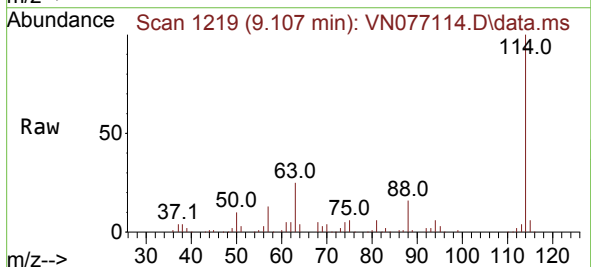
Tgt Ion: 114 Resp: 248832

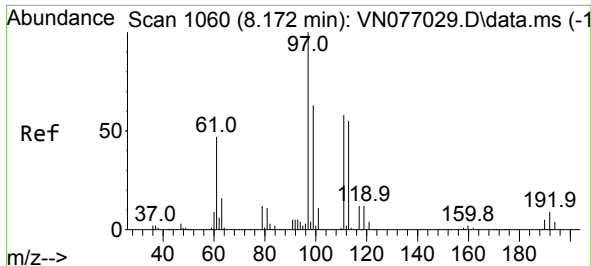
Ion Ratio Lower Upper

114 100

63 25.1 0.0 44.6

88 16.0 0.0 33.8

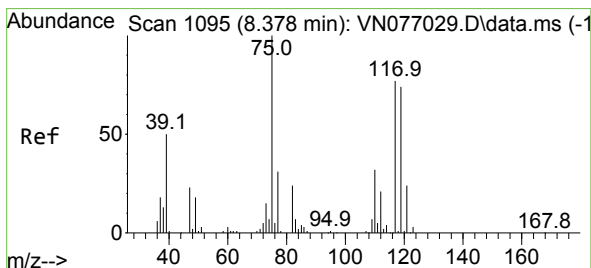
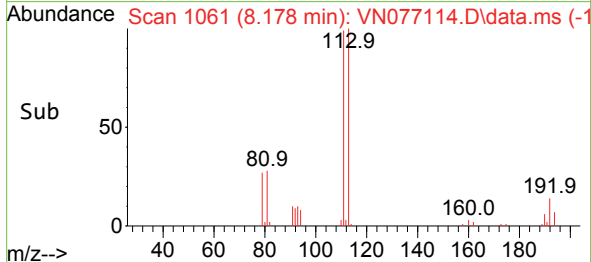
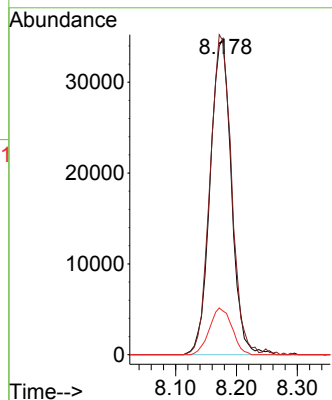
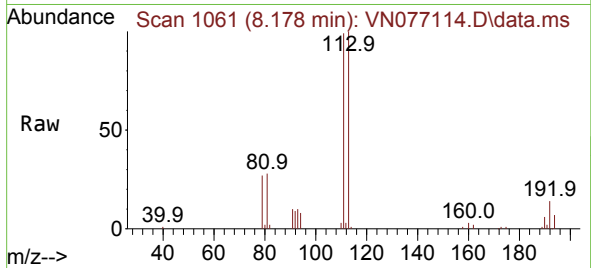




#35
Dibromofluoromethane
Concen: 48.332 ug/l
RT: 8.178 min Scan# 1060
Delta R.T. 0.006 min
Lab File: VN077114.D
Acq: 22 Mar 2023 17:48

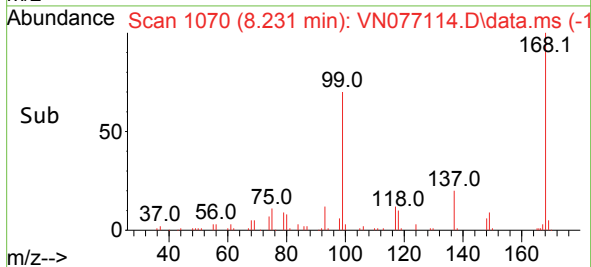
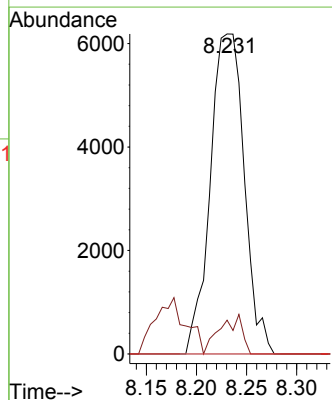
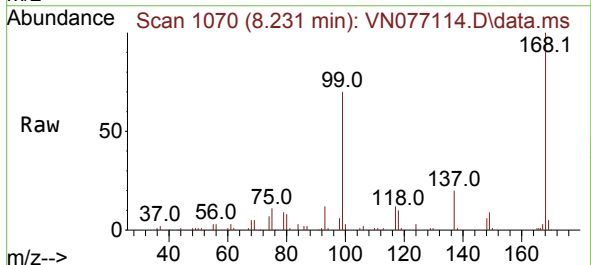
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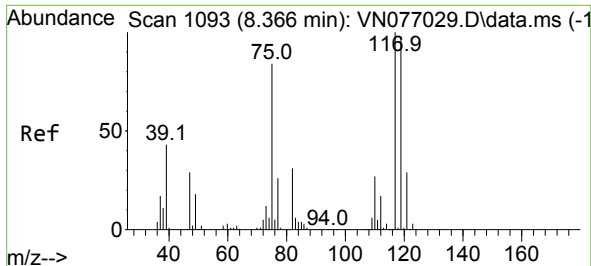
Tgt Ion:113 Resp: 84224
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 15.7 13.0 19.6



#36
1,1-Dichloropropene
Concen: 5.370 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077114.D
Acq: 22 Mar 2023 17:48

Tgt Ion: 75 Resp: 14617
Ion Ratio Lower Upper
75 100
110 8.1 15.9 47.7#
77 0.0 24.3 36.5#

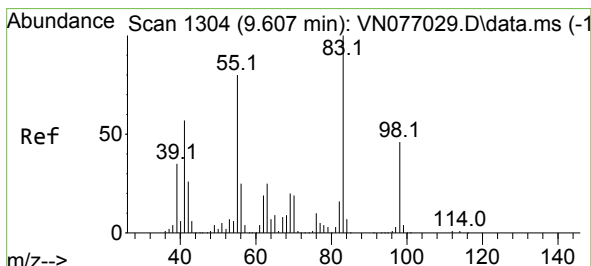
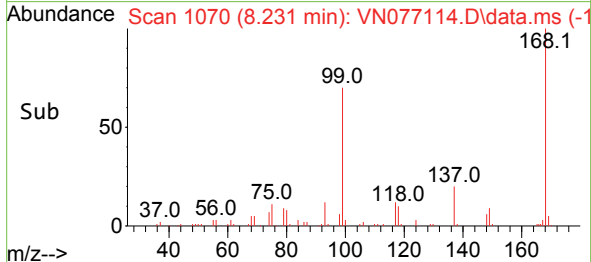
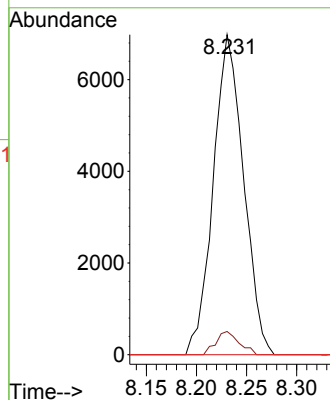
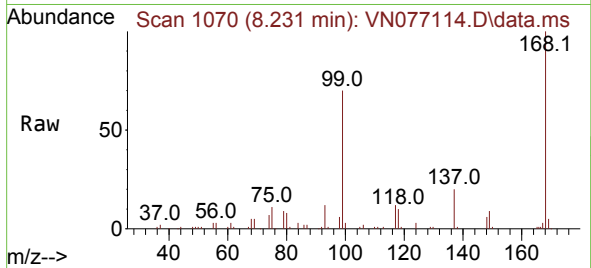




#38
Carbon Tetrachloride
Concen: 5.536 ug/l
RT: 8.231 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN077114.D
Acq: 22 Mar 2023 17:48

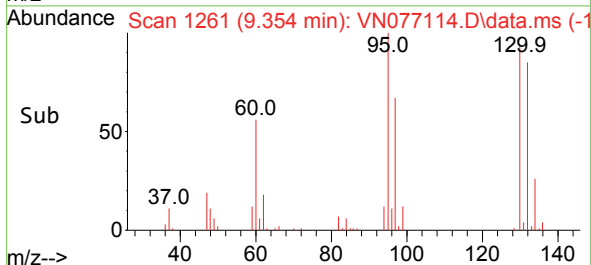
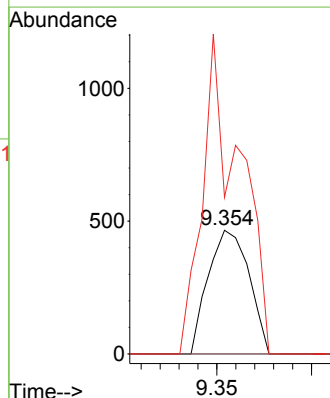
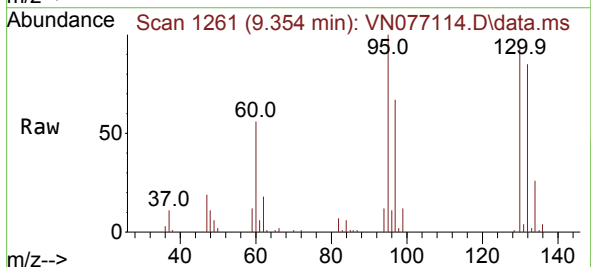
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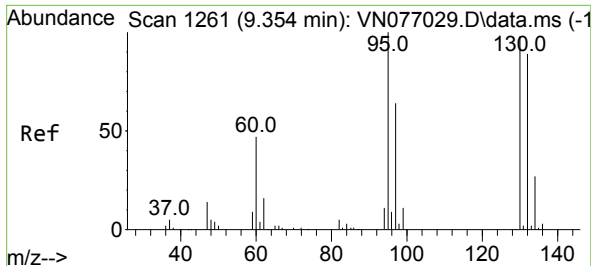
Tgt Ion:117 Resp: 14677
Ion Ratio Lower Upper
117 100
119 7.2 78.2 117.2#
121 0.0 23.2 34.8#



#39
Methylcyclohexane
Concen: 0.220 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. -0.253 min
Lab File: VN077114.D
Acq: 22 Mar 2023 17:48

Tgt Ion: 83 Resp: 700
Ion Ratio Lower Upper
83 100
55 0.0 63.8 95.8#
98 126.6 37.1 55.7#

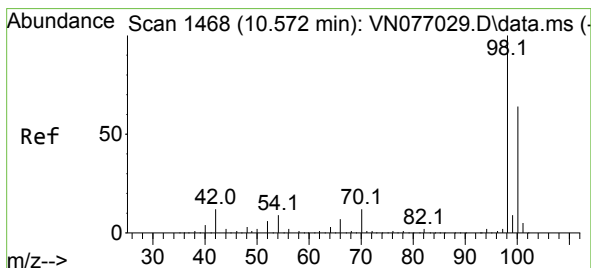
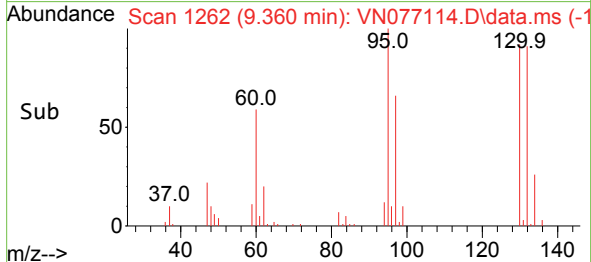
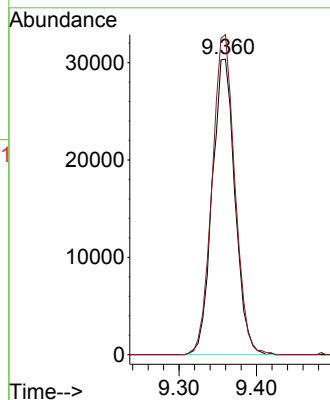
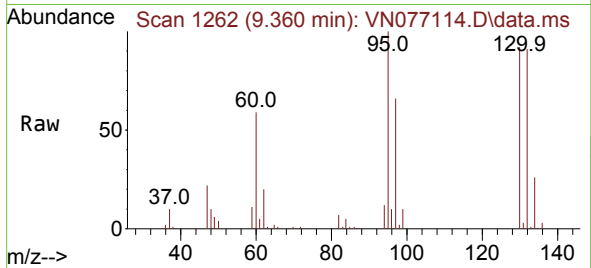




#44
Trichloroethene
Concen: 32.653 ug/l
RT: 9.360 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077114.D
Acq: 22 Mar 2023 17:48

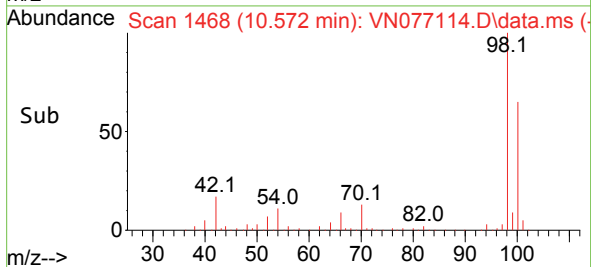
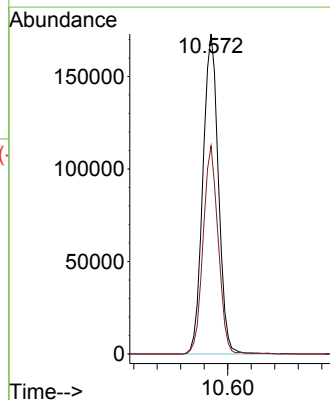
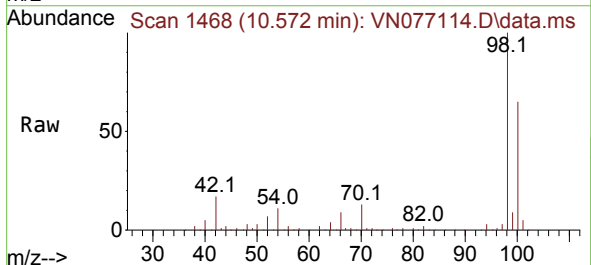
Instrument :
MSVOA_N
ClientSampleId :
CB-10-12.0-030823DL

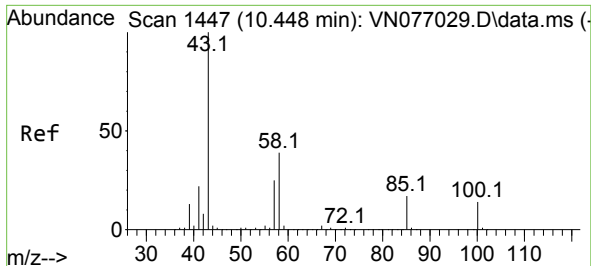
Tgt Ion:130 Resp: 61911
Ion Ratio Lower Upper
130 100
95 108.3 0.0 204.4



#50
Toluene-d8
Concen: 50.680 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077114.D
Acq: 22 Mar 2023 17:48

Tgt Ion: 98 Resp: 315476
Ion Ratio Lower Upper
98 100
100 63.4 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 0.778 ug/l

RT: 10.577 min Scan# 1447

Delta R.T. 0.129 min

Lab File: VN077114.D

Acq: 22 Mar 2023 17:48

Instrument :

MSVOA_N

ClientSampleId :

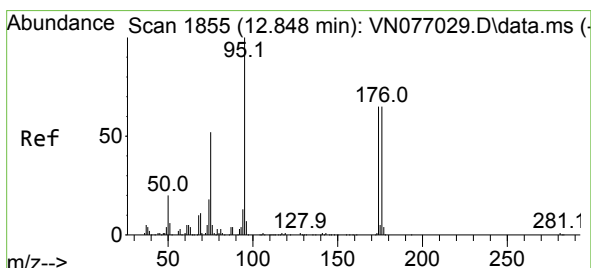
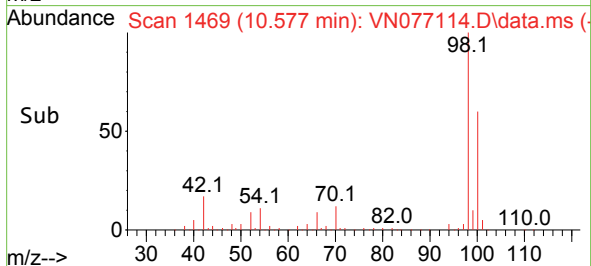
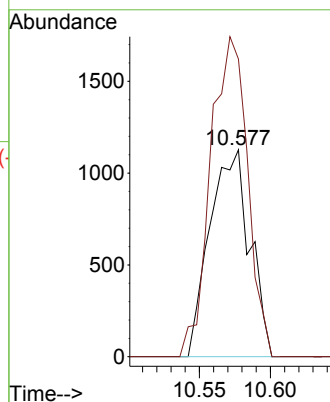
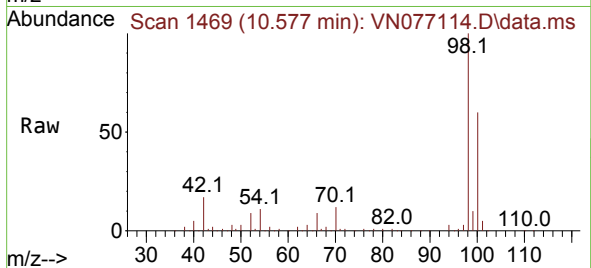
CB-10-12.0-030823DL

Tgt Ion: 43 Resp: 2203

Ion Ratio Lower Upper

43 100

58 143.3 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 40.786 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VN077114.D

Acq: 22 Mar 2023 17:48

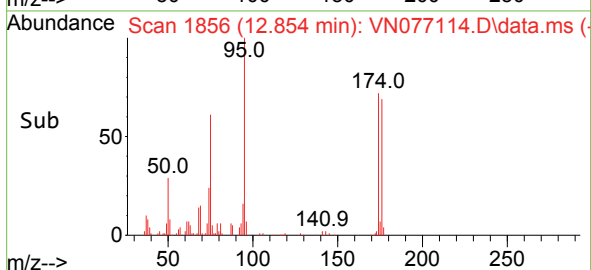
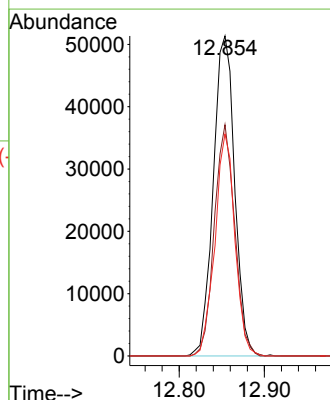
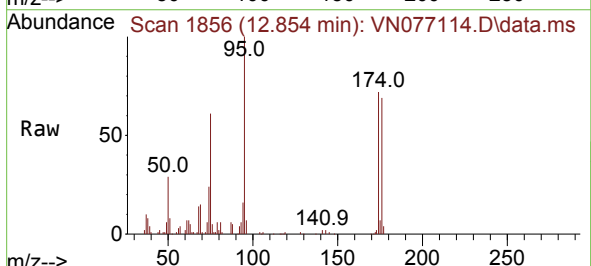
Tgt Ion: 95 Resp: 89714

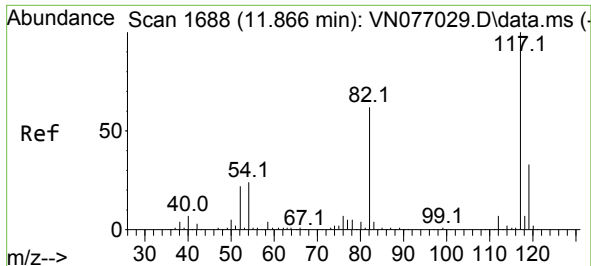
Ion Ratio Lower Upper

95 100

174 69.0 0.0 136.6

176 64.8 0.0 130.0

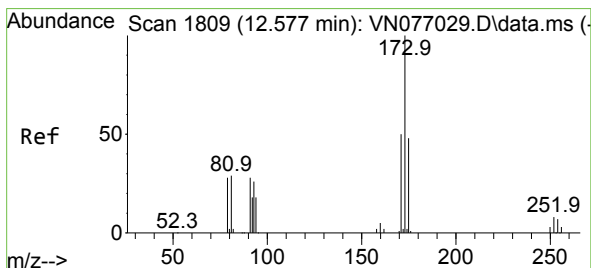
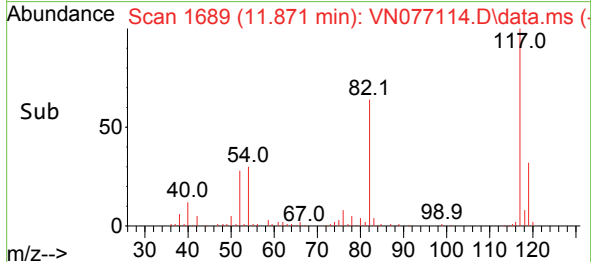
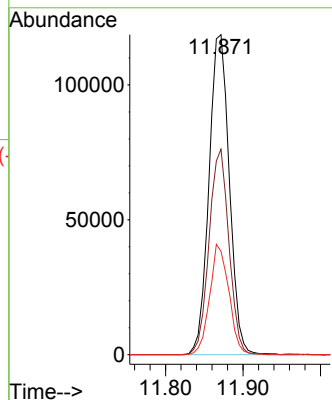
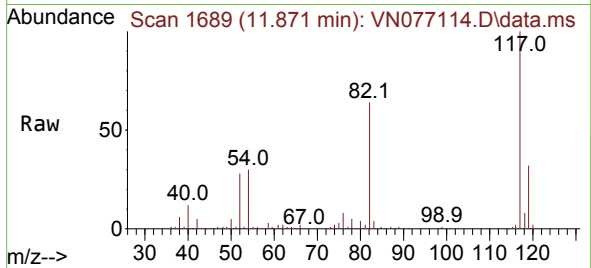




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN077114.D
Acq: 22 Mar 2023 17:48

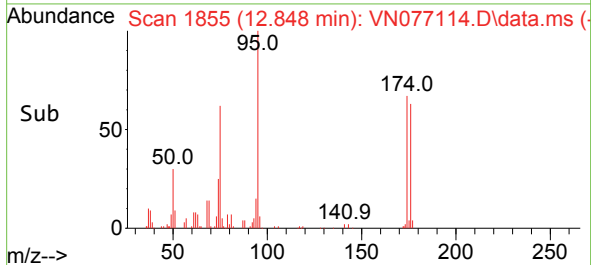
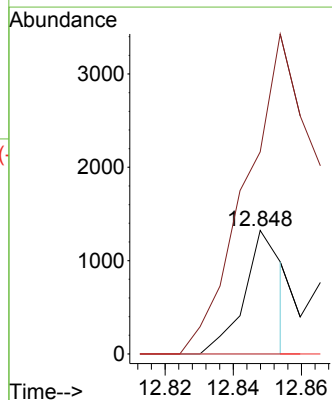
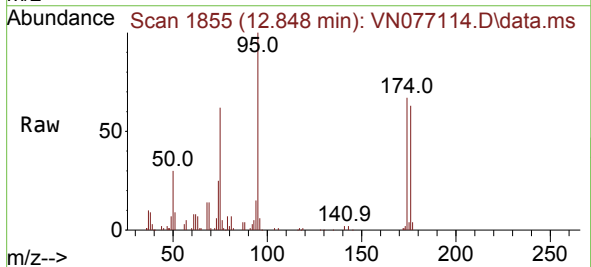
Instrument :
MSVOA_N
ClientSampleId :
CB-10-12.0-030823DL

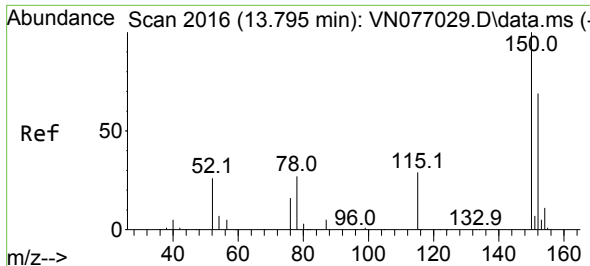
Tgt Ion:117 Resp: 216697
Ion Ratio Lower Upper
117 100
82 64.2 49.4 74.0
119 32.3 26.5 39.7



#71
Bromoform
Concen: 0.822 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.271 min
Lab File: VN077114.D
Acq: 22 Mar 2023 17:48

Tgt Ion:173 Resp: 1027
Ion Ratio Lower Upper
173 100
175 0.0 24.5 73.5#
254 0.0 0.1 0.1#

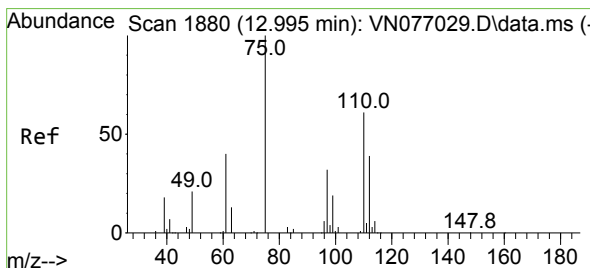
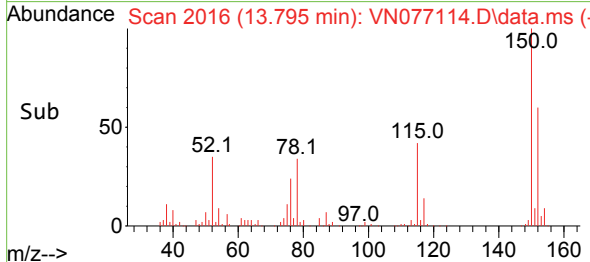
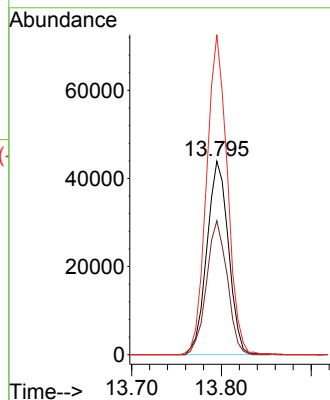
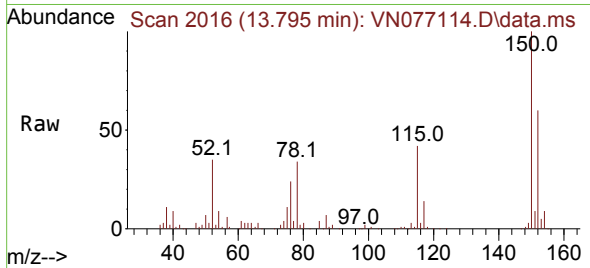




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077114.D
Acq: 22 Mar 2023 17:48

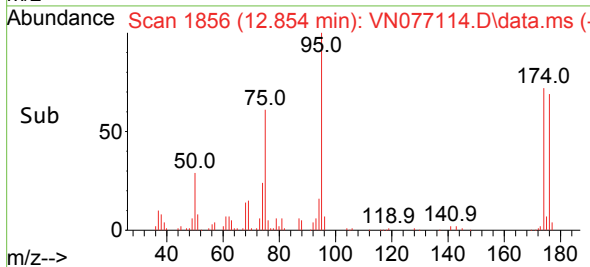
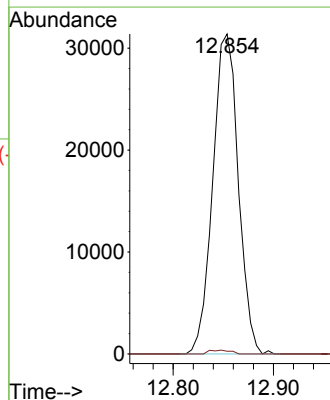
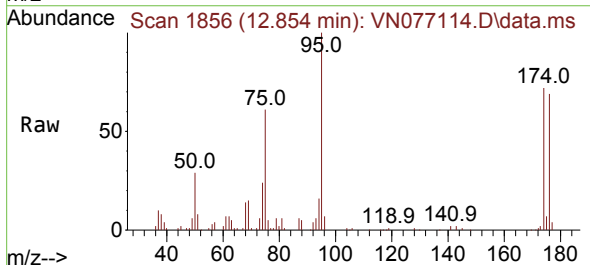
Instrument :
MSVOA_N
ClientSampleId :
CB-10-12.0-030823DL

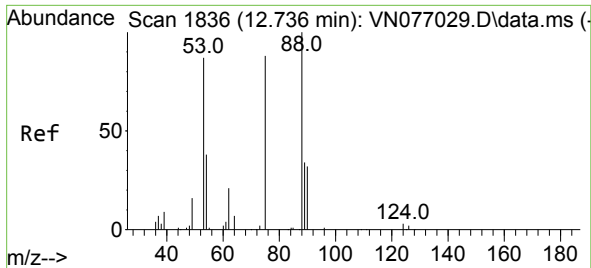
Tgt Ion:152 Resp: 73393
Ion Ratio Lower Upper
152 100
115 66.3 31.9 95.7
150 159.2 0.0 348.0



#76
1,2,3-Trichloropropane
Concen: 29.227 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077114.D
Acq: 22 Mar 2023 17:48

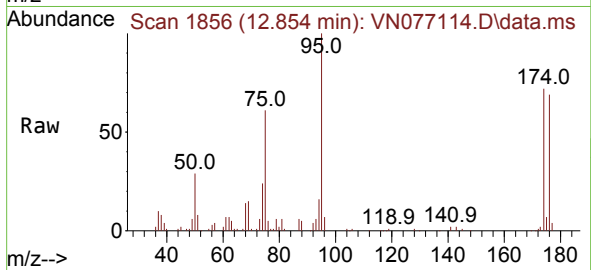
Tgt Ion: 75 Resp: 55485
Ion Ratio Lower Upper
75 100
77 1.0 107.3 322.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.449 ug/l
 RT: 12.854 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN077114.D
 Acq: 22 Mar 2023 17:48

Instrument :
 MSVOA_N
 ClientSampleId :
 CB-10-12.0-030823DL



Tgt Ion: 75 Resp: 55485
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.8 121.2#
 89 0.0 34.2 51.4#

