

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032323\
 Data File : VN077156.D
 Acq On : 23 Mar 2023 17:55
 Operator : JC\MD
 Sample : 02048-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 24 01:36:16 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)

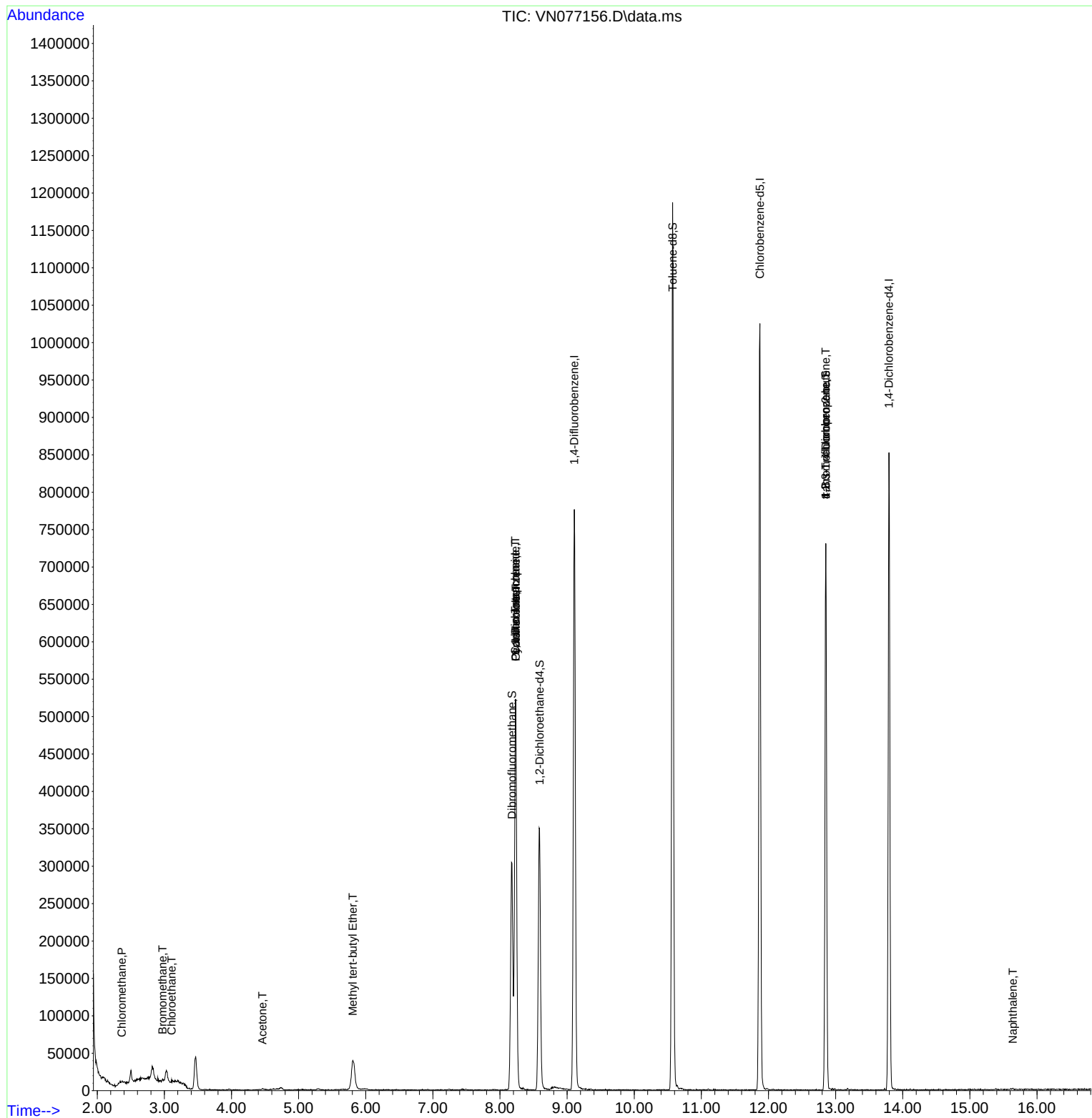
Internal Standards						
1) Pentafluorobenzene	8.236	168	364363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	642964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	568657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	216113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	288272	49.531	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.060%
35) Dibromofluoromethane	8.178	113	212832	47.267	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.540%
50) Toluene-d8	10.572	98	797762	49.598	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.200%
62) 4-Bromofluorobenzene	12.854	95	235056	41.356	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	82.720%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.143	85	146	Below Cal	#	42
3) Chloromethane	2.366	50	979	0.267	ug/l #	43
5) Bromomethane	2.972	94	660	0.247	ug/l	82
6) Chloroethane	3.107	64	1059	0.422	ug/l #	63
16) Acetone	4.460	43	2290	0.883	ug/l #	43
19) Methyl tert-butyl Ether	5.807	73	58528	3.686	ug/l	94
31) Cyclohexane	8.236	56	10263	1.078	ug/l #	27
36) 1,1-Dichloropropene	8.231	75	34157	4.857	ug/l #	52
38) Carbon Tetrachloride	8.231	117	40478	5.909	ug/l #	17
76) 1,2,3-Trichloropropane	12.854	75	134343	24.032	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	134343	66.151	ug/l #	10
95) Naphthalene	15.642	128	637	1.955	ug/l #	95

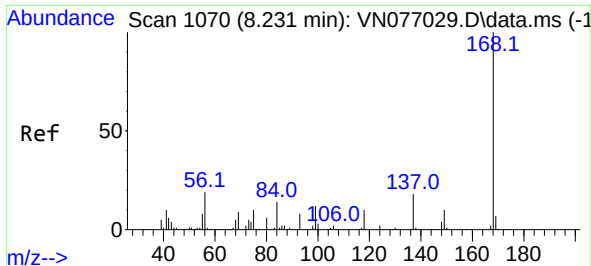
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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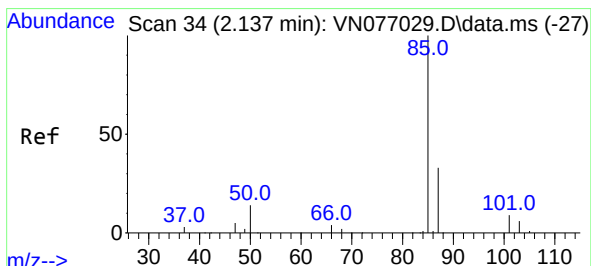
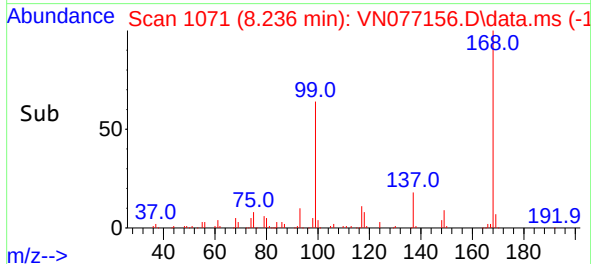
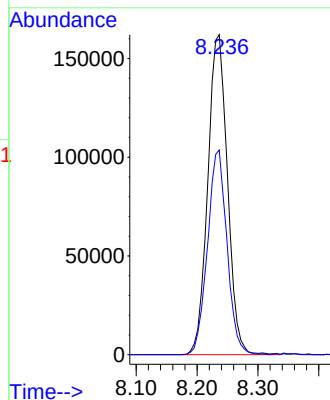
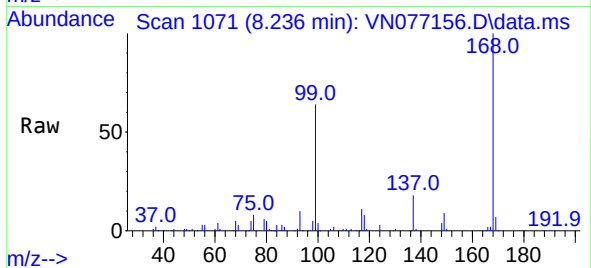




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077156.D
Acq: 23 Mar 2023 17:55

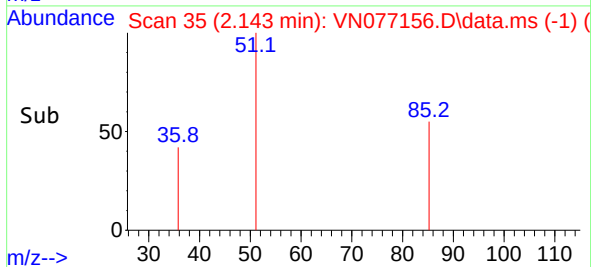
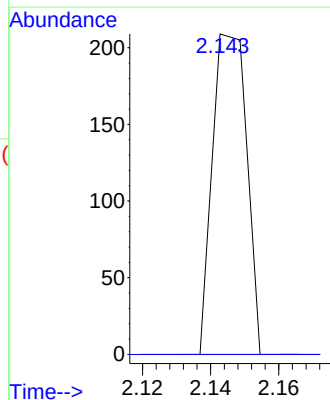
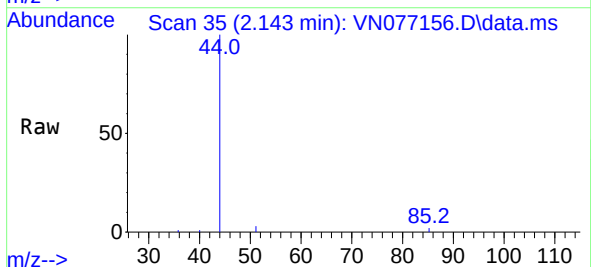
Instrument :
MSVOA_N
ClientSampleId :

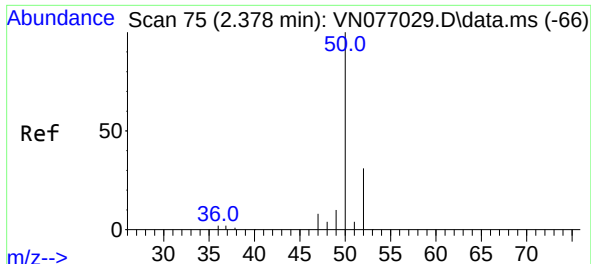
Tgt Ion:168 Resp: 364363
Ion Ratio Lower Upper
168 100
99 64.0 53.9 80.9



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.143 min Scan# 35
Delta R.T. 0.006 min
Lab File: VN077156.D
Acq: 23 Mar 2023 17:55

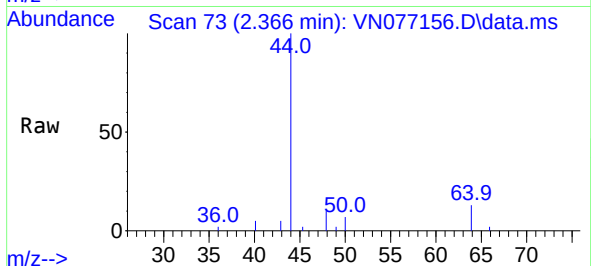
Tgt Ion: 85 Resp: 146
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#



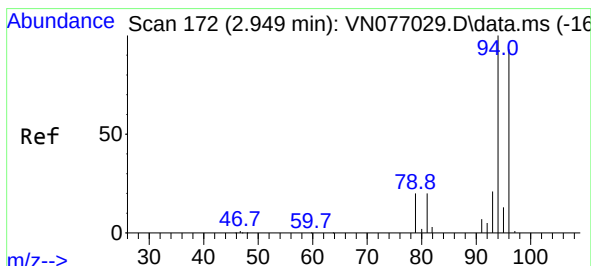
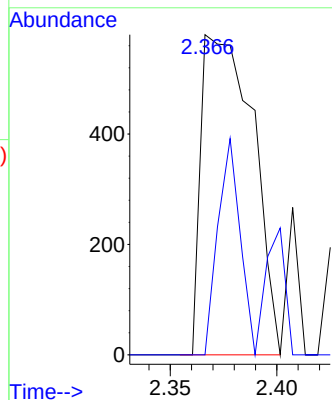
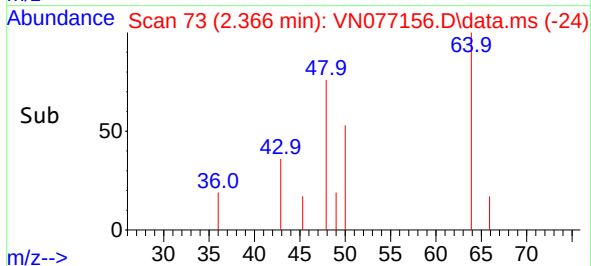


#3
Chloromethane
Concen: 0.267 ug/l
RT: 2.366 min Scan# 71
Delta R.T. -0.012 min
Lab File: VN077156.D
Acq: 23 Mar 2023 17:55

Instrument :
MSVOA_N
ClientSampleId :

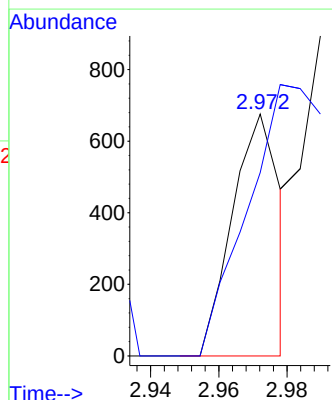
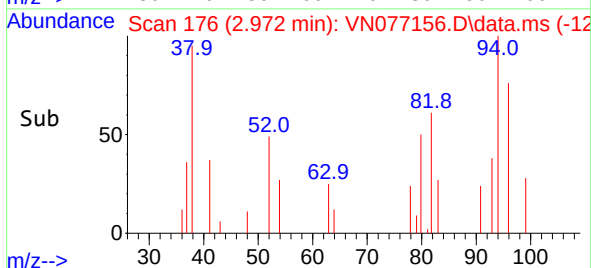
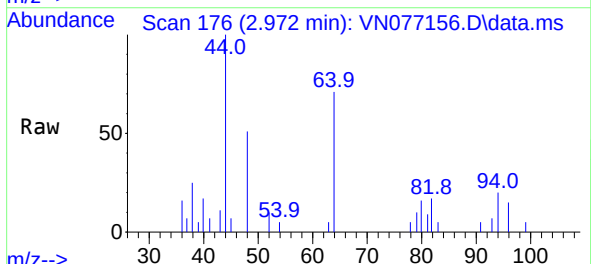


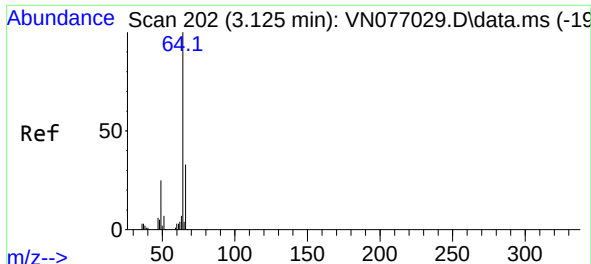
Tgt Ion: 50 Resp: 979
Ion Ratio Lower Upper
50 100
52 0.0 25.1 37.7#



#5
Bromomethane
Concen: 0.247 ug/l
RT: 2.972 min Scan# 176
Delta R.T. 0.023 min
Lab File: VN077156.D
Acq: 23 Mar 2023 17:55

Tgt Ion: 94 Resp: 660
Ion Ratio Lower Upper
94 100
96 75.7 74.1 111.1

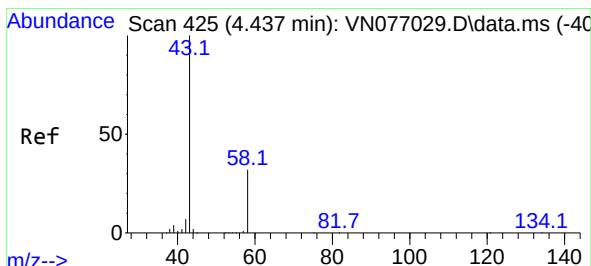
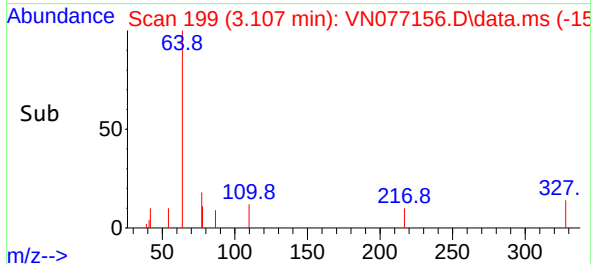
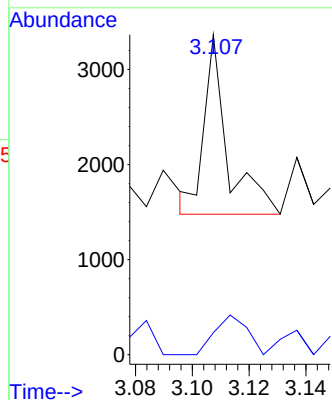
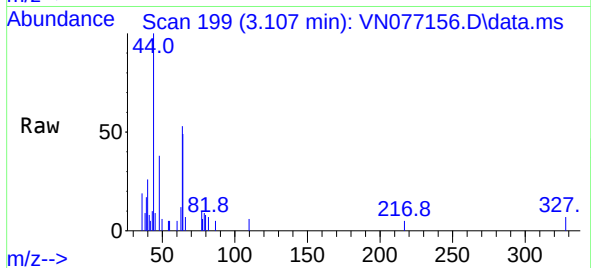




#6
Chloroethane
Concen: 0.422 ug/l
RT: 3.107 min Scan# 199
Delta R.T. -0.018 min
Lab File: VN077156.D
Acq: 23 Mar 2023 17:55

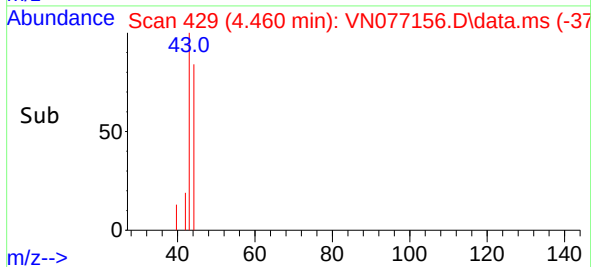
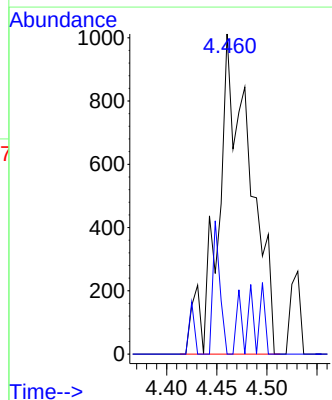
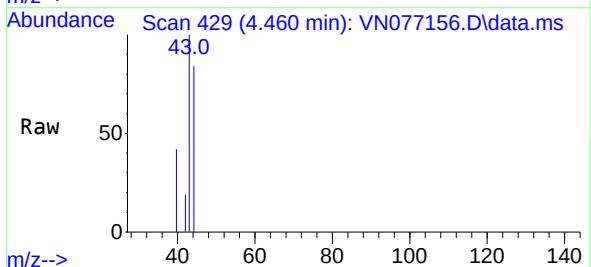
Instrument :
MSVOA_N
ClientSampleId :

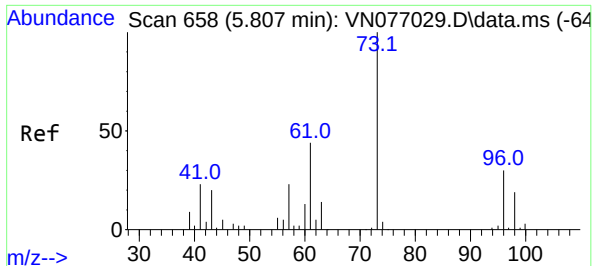
Tgt Ion: 64 Resp: 1059
Ion Ratio Lower Upper
64 100
66 12.2 26.3 39.5#



#16
Acetone
Concen: 0.883 ug/l
RT: 4.460 min Scan# 429
Delta R.T. 0.023 min
Lab File: VN077156.D
Acq: 23 Mar 2023 17:55

Tgt Ion: 43 Resp: 2290
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#





#19

Methyl tert-butyl Ether

Concen: 3.686 ug/l

RT: 5.807 min Scan# 61

Delta R.T. 0.000 min

Lab File: VN077156.D

Acq: 23 Mar 2023 17:55

Instrument :

MSVOA_N

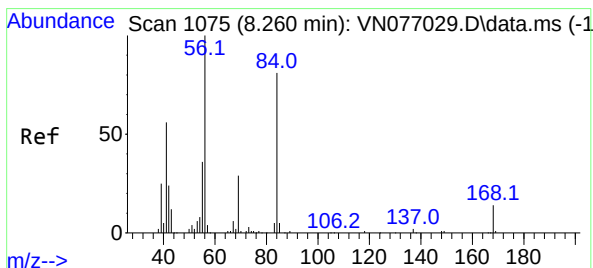
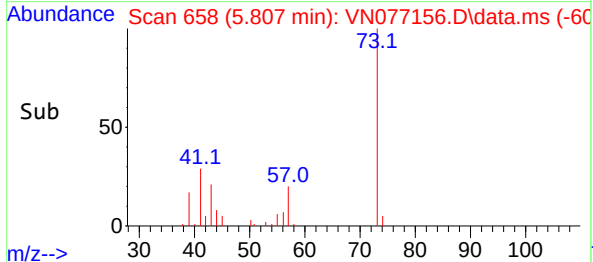
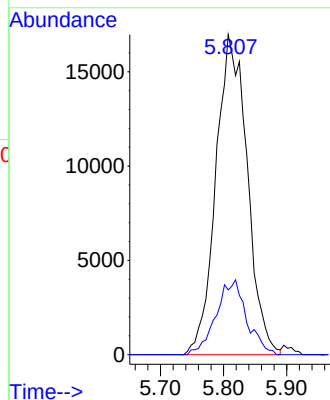
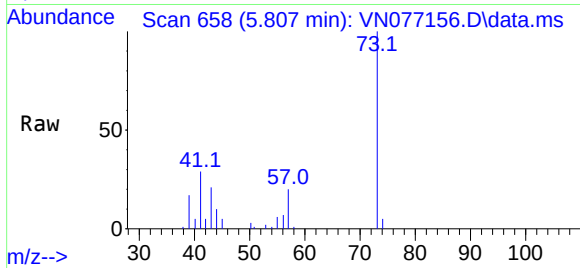
ClientSampleId :

Tgt Ion: 73 Resp: 58528

Ion Ratio Lower Upper

73 100

57 20.3 18.7 28.1



#31

Cyclohexane

Concen: 1.078 ug/l

RT: 8.236 min Scan# 1071

Delta R.T. -0.024 min

Lab File: VN077156.D

Acq: 23 Mar 2023 17:55

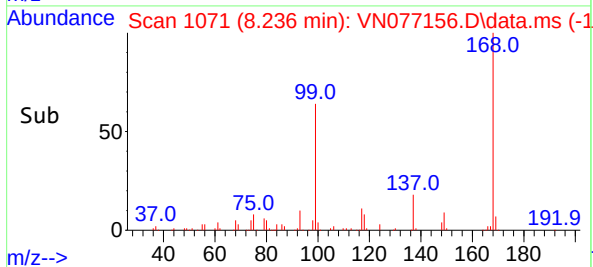
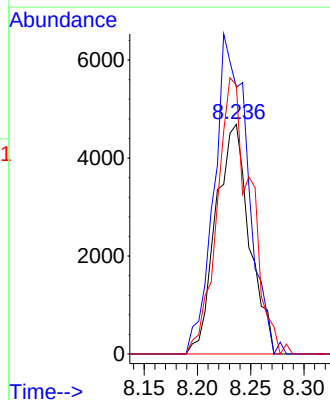
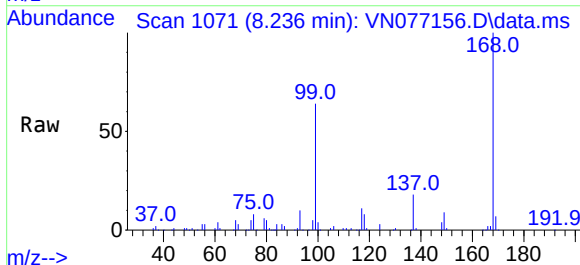
Tgt Ion: 56 Resp: 10263

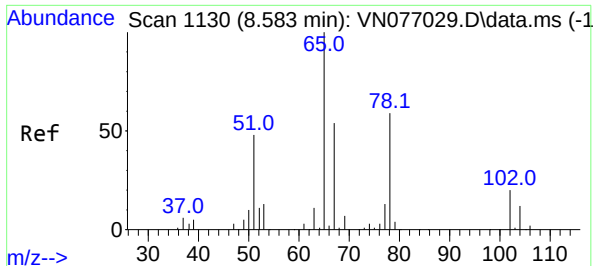
Ion Ratio Lower Upper

56 100

69 116.1 22.8 34.2#

84 117.1 64.7 97.1#





#33

1,2-Dichloroethane-d4

Concen: 49.531 ug/l

RT: 8.589 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN077156.D

Acq: 23 Mar 2023 17:55

Instrument :

MSVOA_N

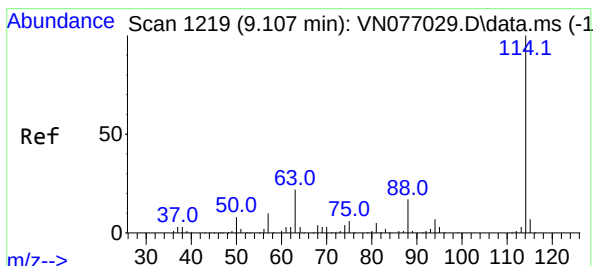
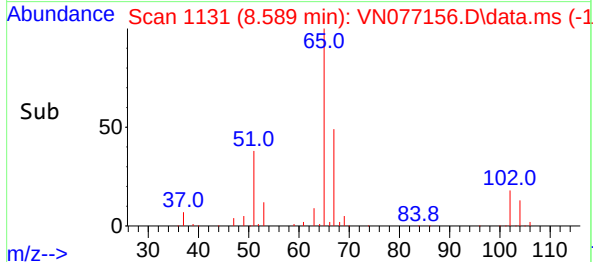
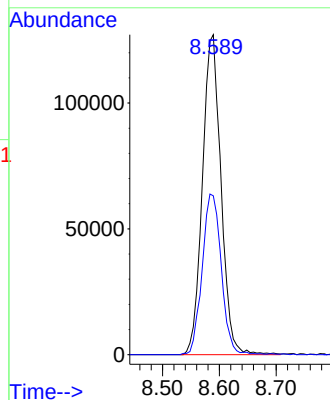
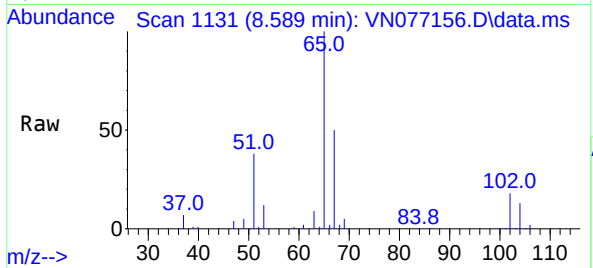
ClientSampleId :

Tgt Ion: 65 Resp: 288272

Ion Ratio Lower Upper

65 100

67 51.5 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: VN077156.D

Acq: 23 Mar 2023 17:55

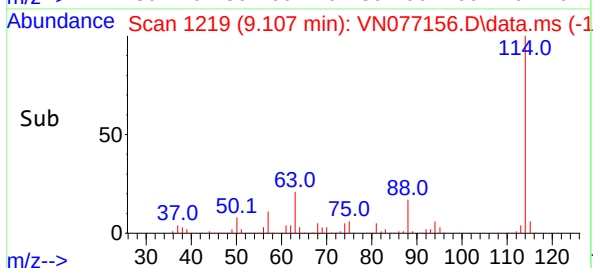
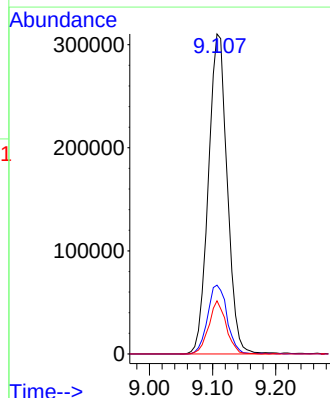
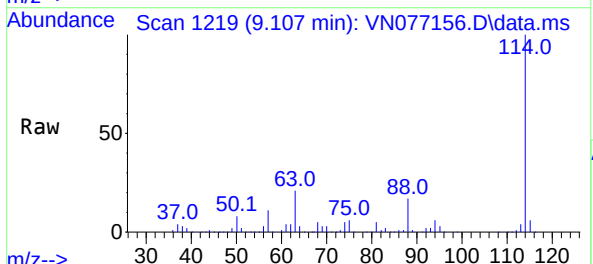
Tgt Ion: 114 Resp: 642964

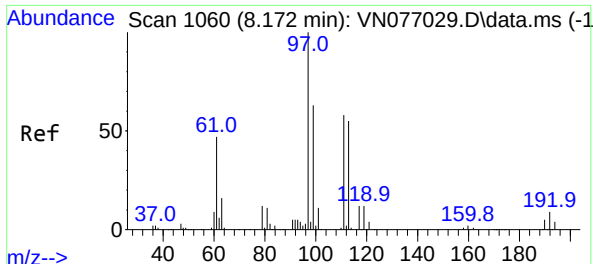
Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.6

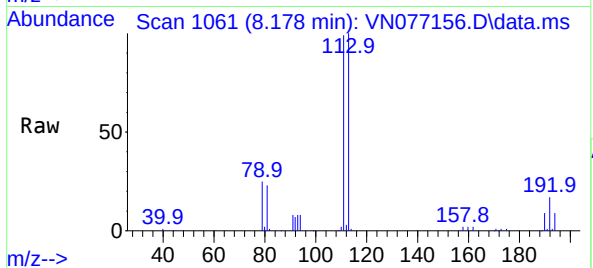
88 16.6 0.0 33.8



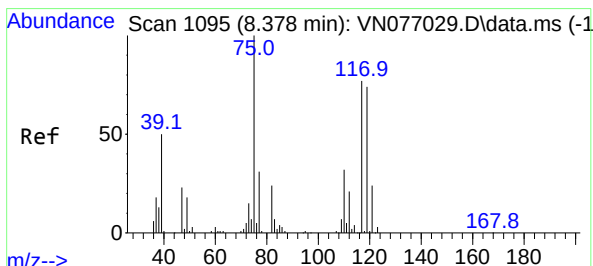
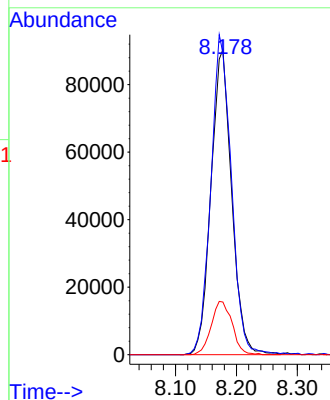
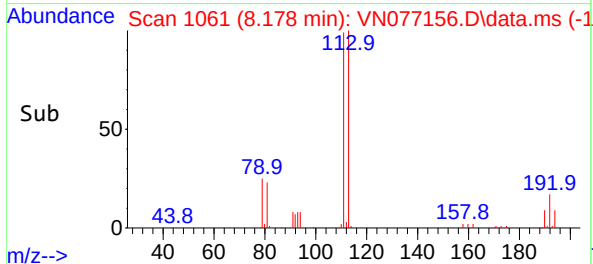


#35
Dibromofluoromethane
Concen: 47.267 ug/l
RT: 8.178 min Scan# 1060
Delta R.T. 0.006 min
Lab File: VN077156.D
Acq: 23 Mar 2023 17:55

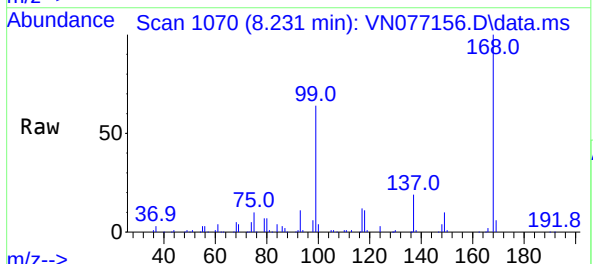
Instrument :
MSVOA_N
ClientSampleId :



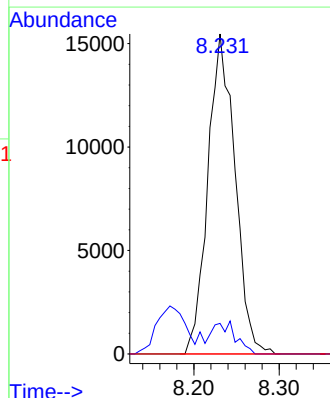
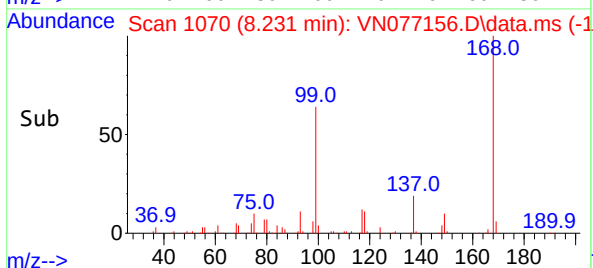
Tgt Ion:113 Resp: 212832
Ion Ratio Lower Upper
113 100
111 104.4 82.2 123.2
192 17.7 13.0 19.6

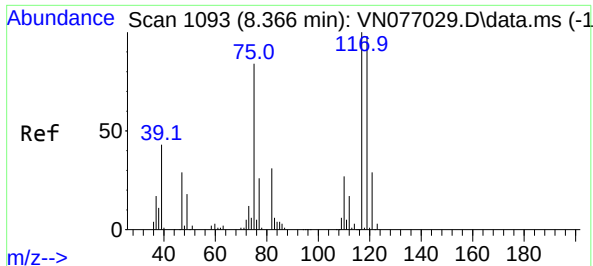


#36
1,1-Dichloropropene
Concen: 4.857 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077156.D
Acq: 23 Mar 2023 17:55



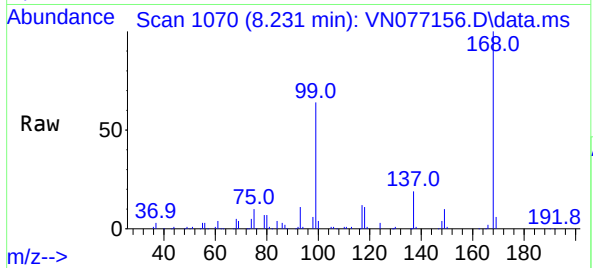
Tgt Ion: 75 Resp: 34157
Ion Ratio Lower Upper
75 100
110 8.7 15.9 47.7#
77 0.0 24.3 36.5#



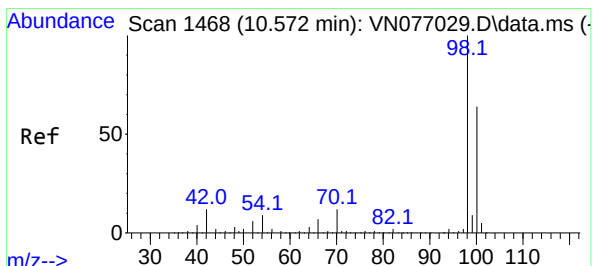
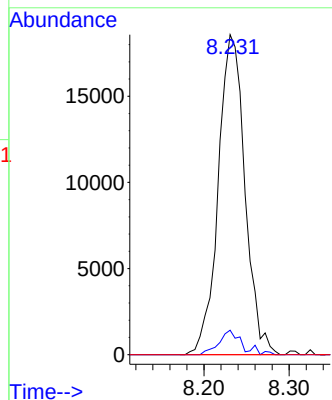
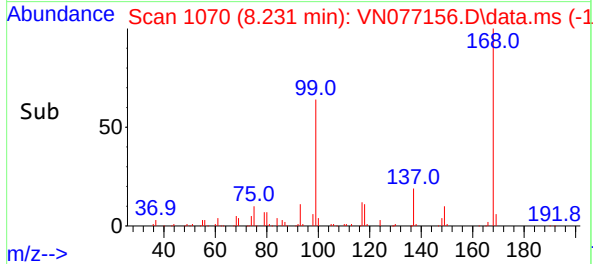


#38
Carbon Tetrachloride
Concen: 5.909 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077156.D
Acq: 23 Mar 2023 17:55

Instrument :
MSVOA_N
ClientSampleId :

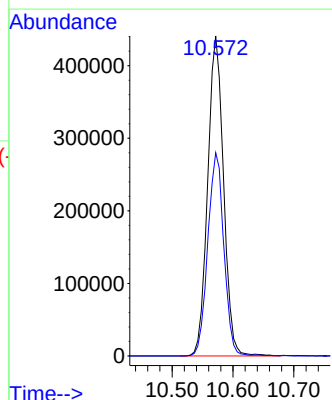
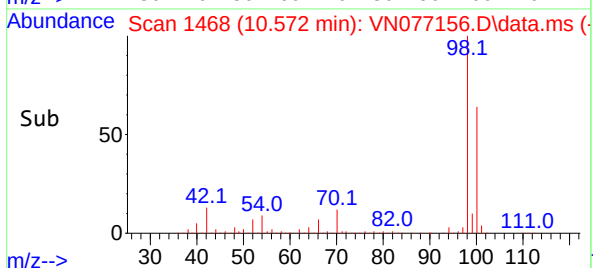
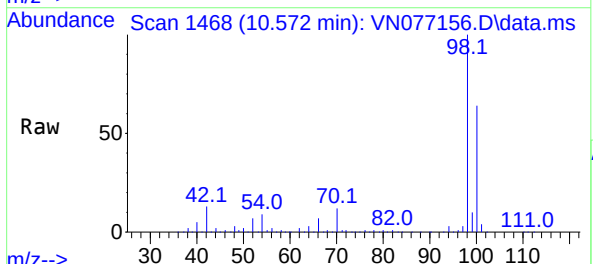


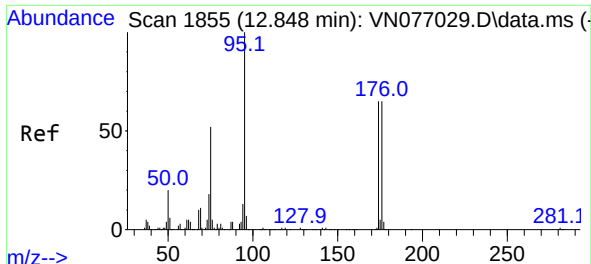
Tgt Ion:117 Resp: 40478
Ion Ratio Lower Upper
117 100
119 7.7 78.2 117.2#
121 0.0 23.2 34.8#



#50
Toluene-d8
Concen: 49.598 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077156.D
Acq: 23 Mar 2023 17:55

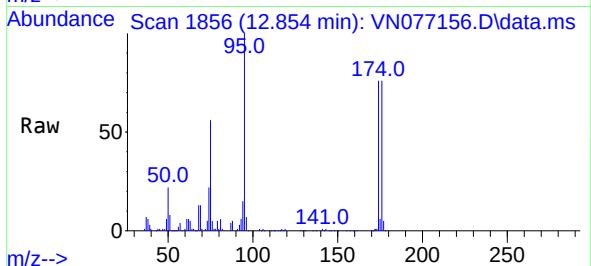
Tgt Ion: 98 Resp: 797762
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



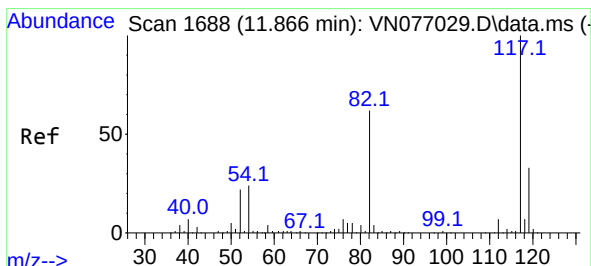
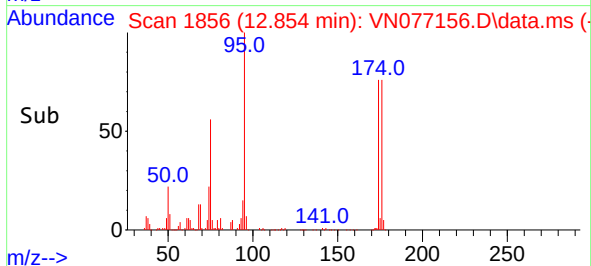
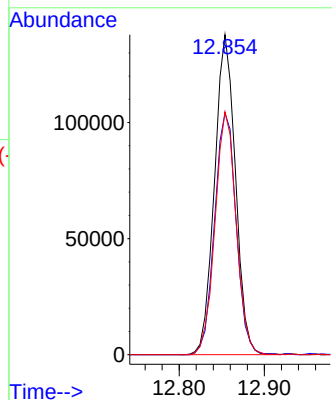


#62
4-Bromofluorobenzene
Concen: 41.356 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077156.D
Acq: 23 Mar 2023 17:55

Instrument :
MSVOA_N
ClientSampleId :

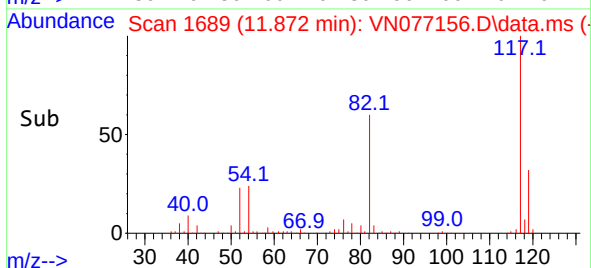
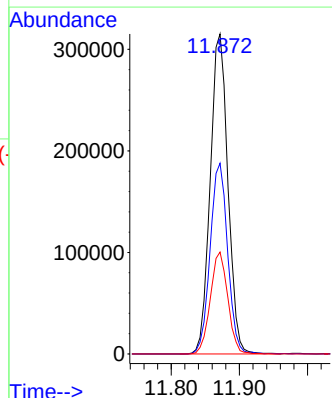
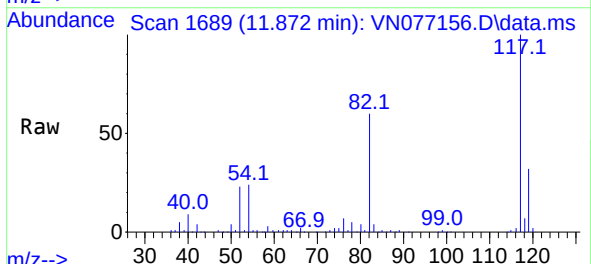


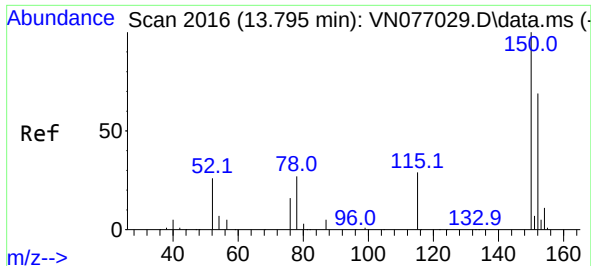
Tgt Ion: 95 Resp: 235056
Ion Ratio Lower Upper
95 100
174 77.9 0.0 136.6
176 76.4 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN077156.D
Acq: 23 Mar 2023 17:55

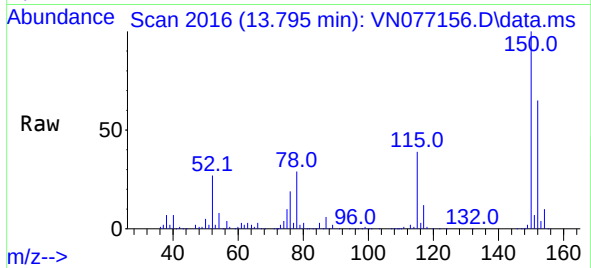
Tgt Ion: 117 Resp: 568657
Ion Ratio Lower Upper
117 100
82 59.6 49.4 74.0
119 31.8 26.5 39.7



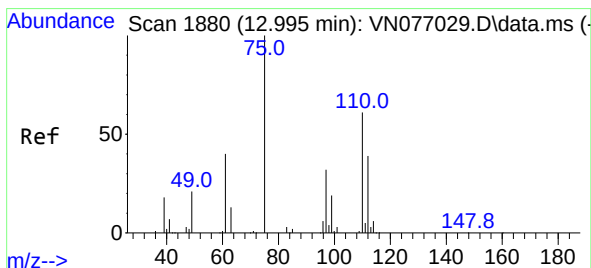
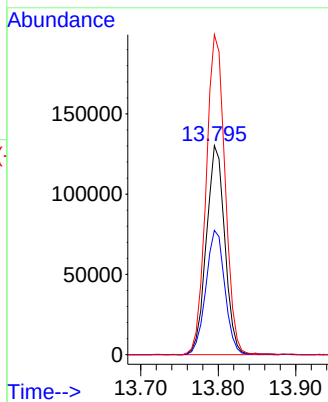
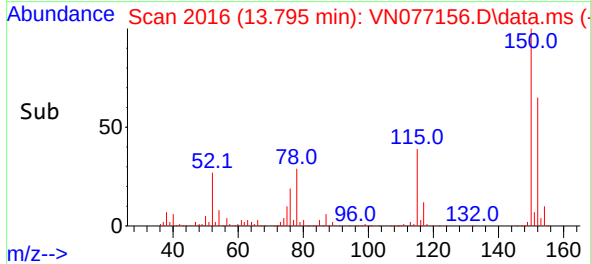


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077156.D
Acq: 23 Mar 2023 17:55

Instrument :
MSVOA_N
ClientSampleId :

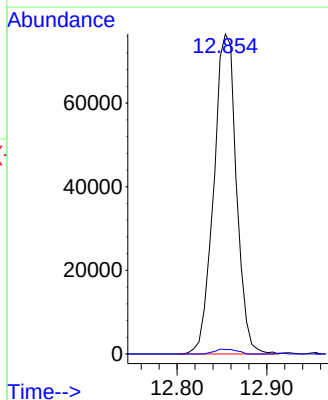
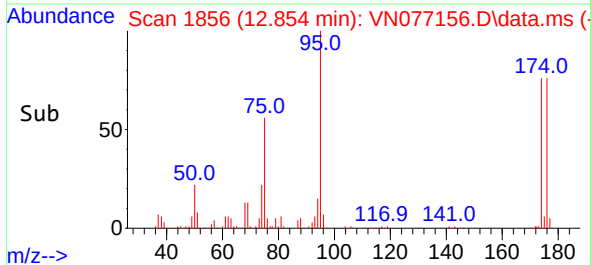
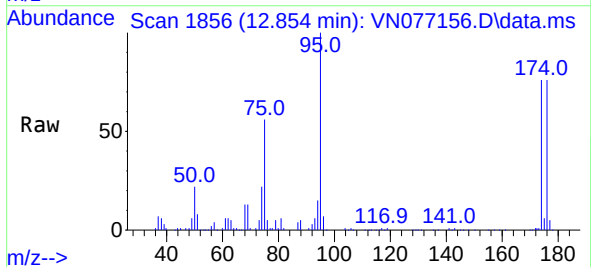


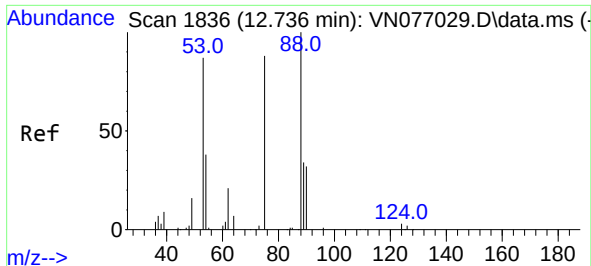
Tgt Ion:152 Resp: 216113
Ion Ratio Lower Upper
152 100
115 60.9 31.9 95.7
150 156.0 0.0 348.0



#76
1,2,3-Trichloropropane
Concen: 24.032 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077156.D
Acq: 23 Mar 2023 17:55

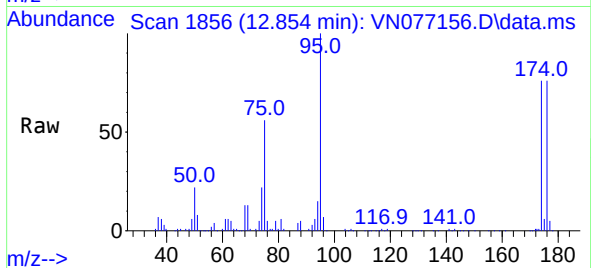
Tgt Ion: 75 Resp: 134343
Ion Ratio Lower Upper
75 100
77 1.4 107.3 322.0#



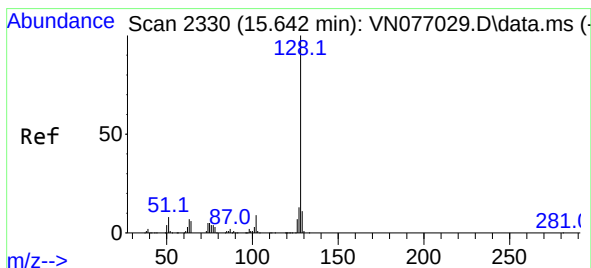
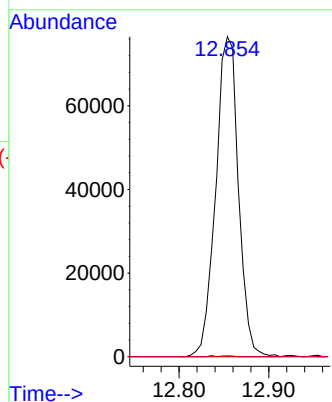
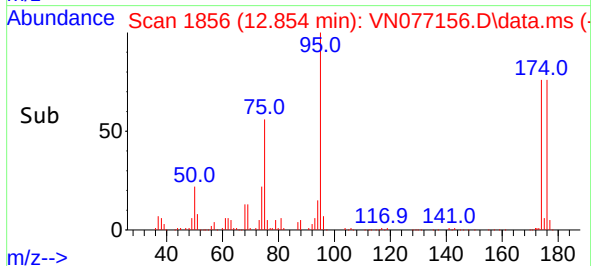


#81
trans-1,4-Dichloro-2-butene
Concen: 66.151 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077156.D
Acq: 23 Mar 2023 17:55

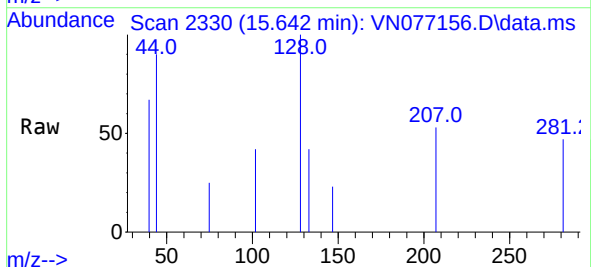
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 134343
Ion Ratio Lower Upper
75 100
53 0.1 80.8 121.2#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 1.955 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN077156.D
Acq: 23 Mar 2023 17:55



Tgt Ion:128 Resp: 637
Ion Ratio Lower Upper
128 100
127 8.9 10.0 15.0#
129 11.1 8.6 13.0

