

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051623\
 Data File : VN077689.D
 Acq On : 16 May 2023 13:52
 Operator : JC\MD
 Sample : 02804-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-051523

Quant Time: May 17 04:00:16 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)

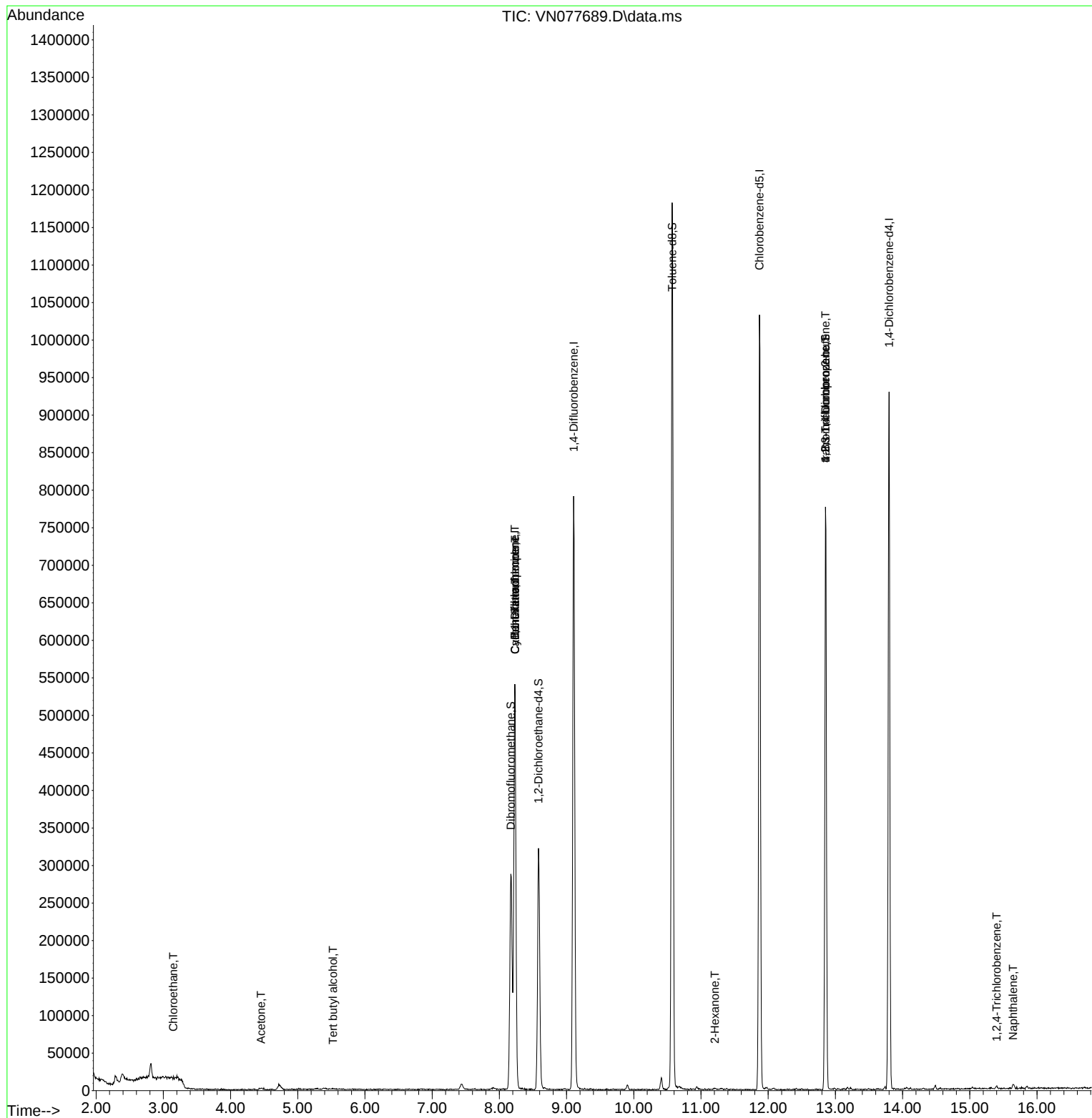
Internal Standards						
1) Pentafluorobenzene	8.229	168	374409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	684204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	591486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	236736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	267087	47.676	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.360%		
35) Dibromofluoromethane	8.171	113	210556	47.193	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.380%		
50) Toluene-d8	10.570	98	836747	48.724	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.440%		
62) 4-Bromofluorobenzene	12.853	95	280010	46.167	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.340%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	2230	Below Cal	#	65
6) Chloroethane	3.147	64	894	0.231	ug/l #	43
11) Tert butyl alcohol	5.524	59	756	0.978	ug/l #	72
13) Acrolein	4.206	56	387	Below Cal		88
16) Acetone	4.453	43	3483	1.976	ug/l #	40
20) Methylene Chloride	5.282	84	847	Below Cal	#	63
31) Cyclohexane	8.235	56	9903	1.301	ug/l #	60
36) 1,1-Dichloropropene	8.229	75	33270	5.098	ug/l #	48
38) Carbon Tetrachloride	8.235	117	40124	6.089	ug/l #	17
59) 2-Hexanone	11.206	43	1207	0.289	ug/l	90
76) 1,2,3-Trichloropropane	12.853	75	150909	25.454	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	150909	81.364	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.399	180	1330	0.283	ug/l #	67
95) Naphthalene	15.647	128	6115	0.378	ug/l #	83

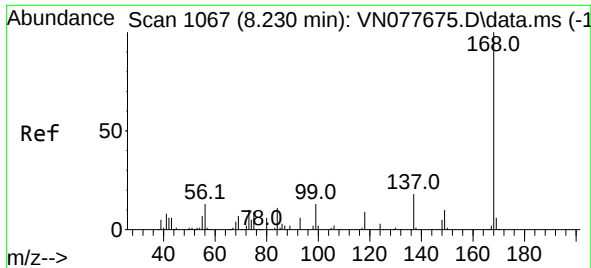
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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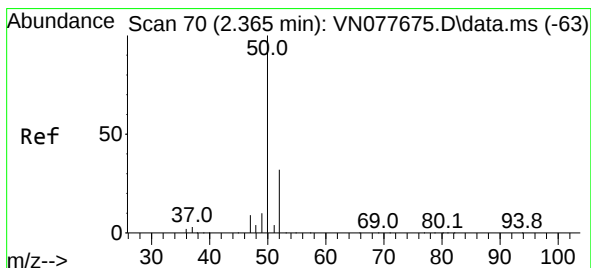
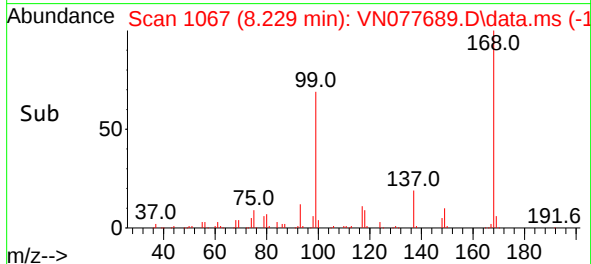
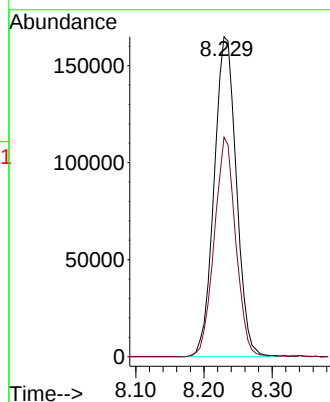
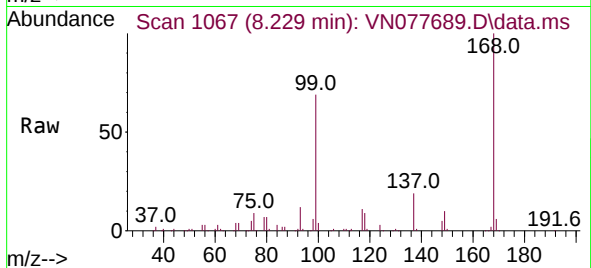




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077689.D
Acq: 16 May 2023 13:52

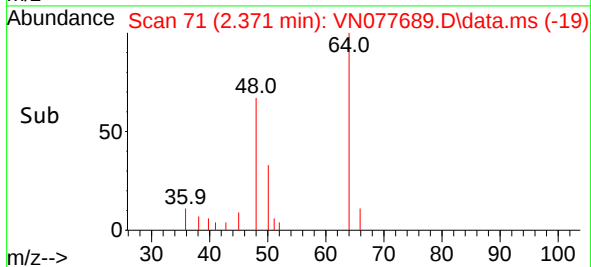
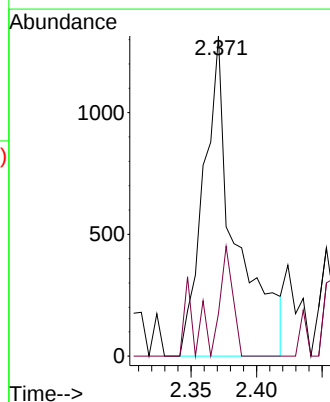
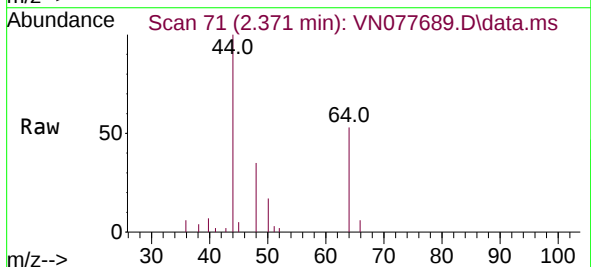
Instrument :
MSVOA_N
ClientSampleId :
TB-01-051523

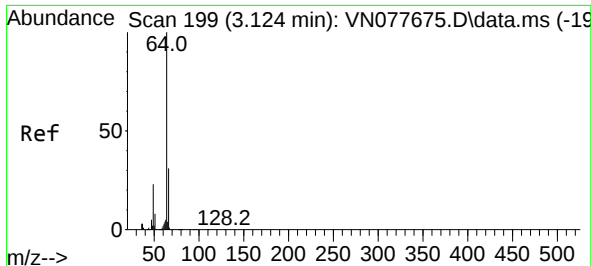
Tgt Ion:168 Resp: 374409
Ion Ratio Lower Upper
168 100
99 68.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077689.D
Acq: 16 May 2023 13:52

Tgt Ion: 50 Resp: 2230
Ion Ratio Lower Upper
50 100
52 13.2 26.5 39.7#

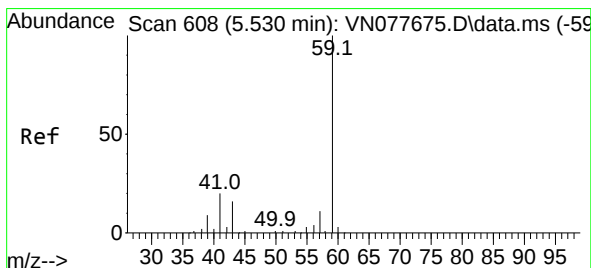
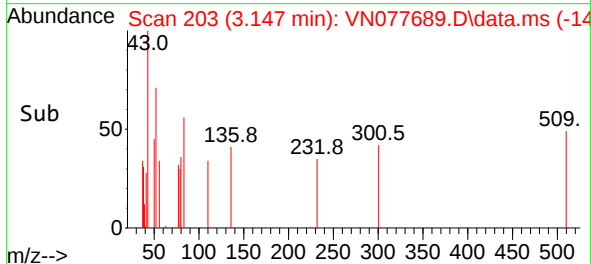
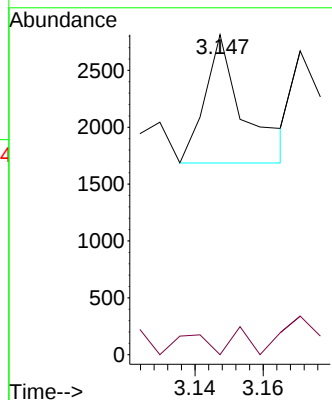
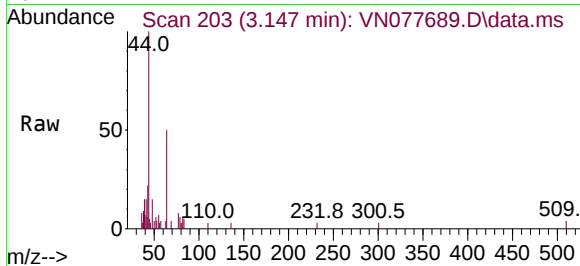




#6
Chloroethane
Concen: 0.231 ug/l
RT: 3.147 min Scan# 203
Delta R.T. 0.023 min
Lab File: VN077689.D
Acq: 16 May 2023 13:52

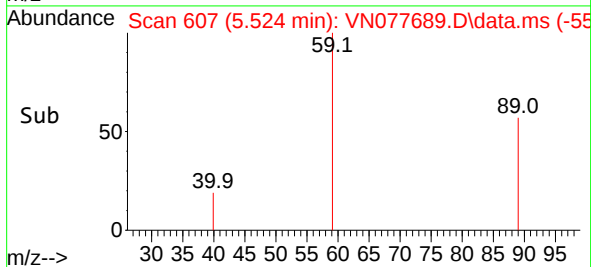
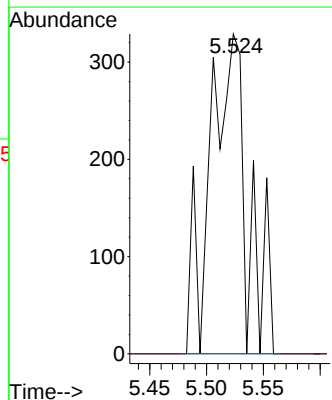
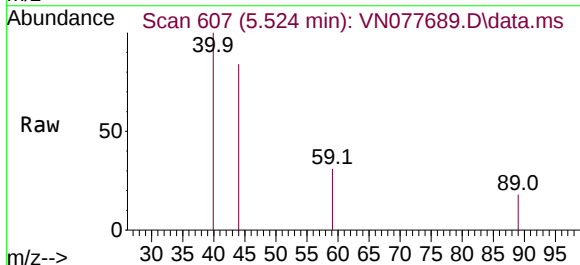
Instrument :
MSVOA_N
ClientSampleId :
TB-01-051523

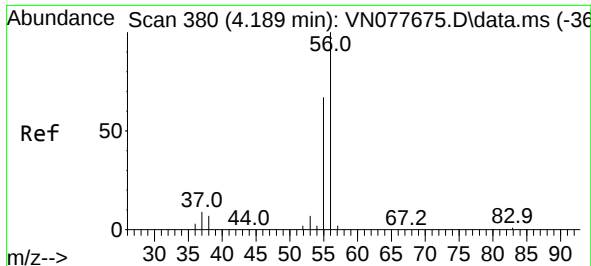
Tgt Ion: 64 Resp: 894
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.978 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN077689.D
Acq: 16 May 2023 13:52

Tgt Ion: 59 Resp: 756
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

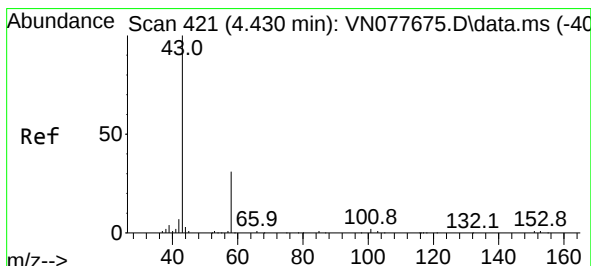
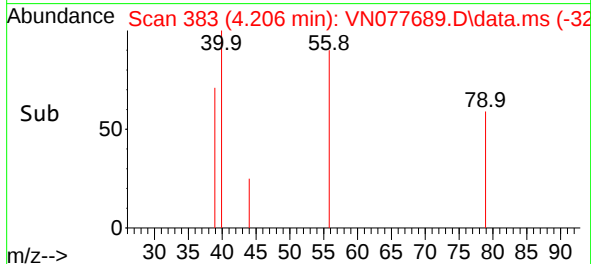
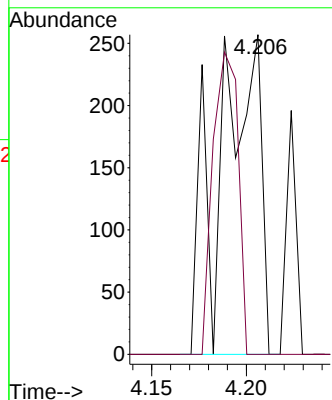
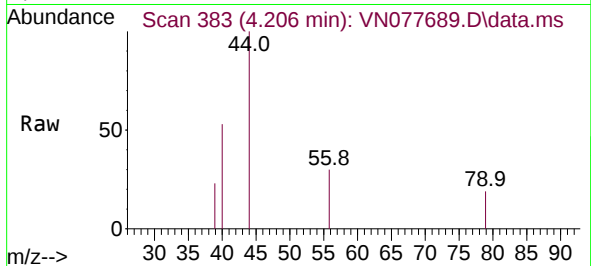




#13
Acrolein
Concen: Below Cal
RT: 4.206 min Scan# 380
Delta R.T. 0.017 min
Lab File: VN077689.D
Acq: 16 May 2023 13:52

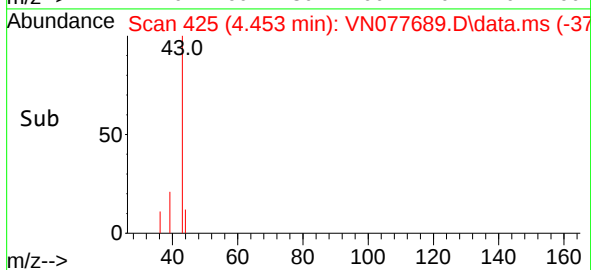
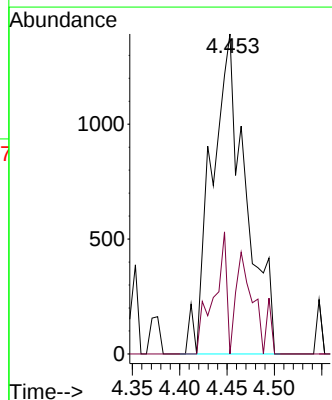
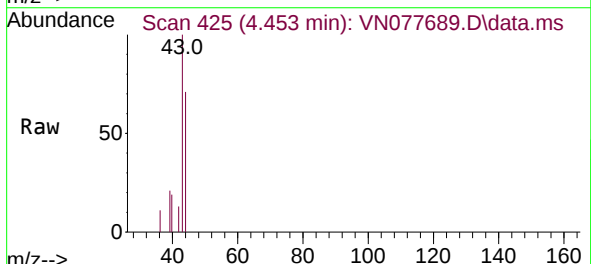
Instrument :
MSVOA_N
ClientSampleId :
TB-01-051523

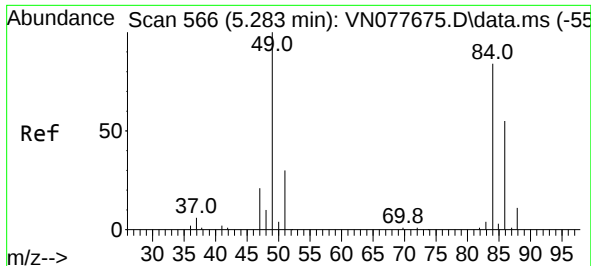
Tgt Ion: 56 Resp: 387
Ion Ratio Lower Upper
56 100
55 58.1 54.5 81.7



#16
Acetone
Concen: 1.976 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.023 min
Lab File: VN077689.D
Acq: 16 May 2023 13:52

Tgt Ion: 43 Resp: 3483
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

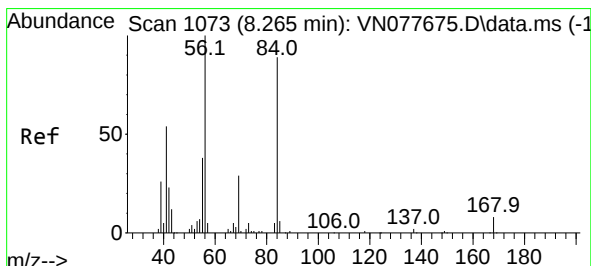
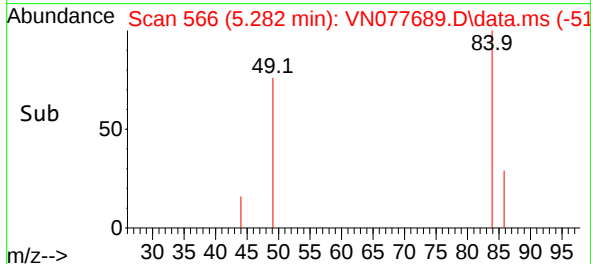
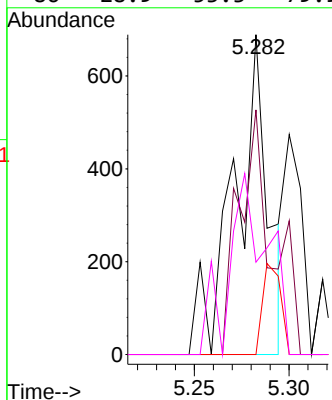
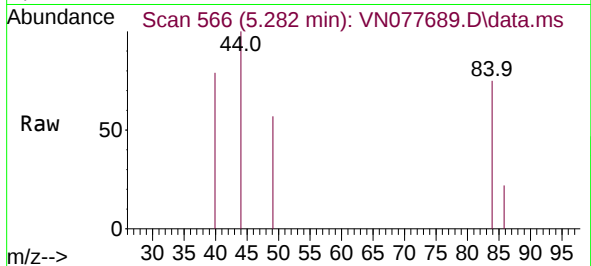




#20
Methylene Chloride
Concen: Below Cal
RT: 5.282 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN077689.D
Acq: 16 May 2023 13:52

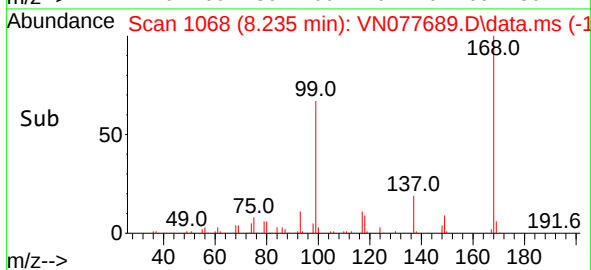
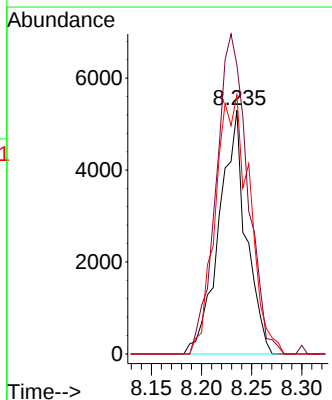
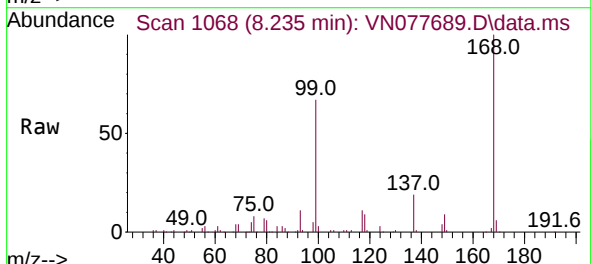
Instrument :
MSVOA_N
ClientSampleId :
TB-01-051523

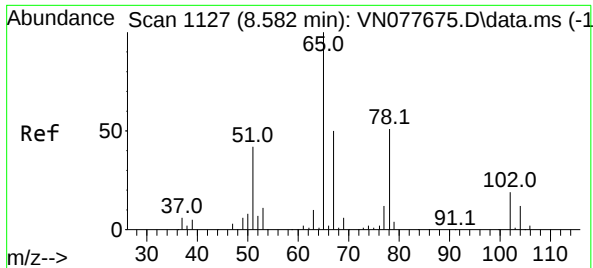
Tgt Ion:	84	Resp:	847
Ion	Ratio	Lower	Upper
84	100		
49	76.5	79.7	119.5#
51	0.0	25.2	37.8#
86	28.9	53.3	79.9#



#31
Cyclohexane
Concen: 1.301 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN077689.D
Acq: 16 May 2023 13:52

Tgt Ion:	56	Resp:	9903
Ion	Ratio	Lower	Upper
56	100		
69	118.6	26.8	40.2#
84	106.3	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 47.676 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN077689.D

Acq: 16 May 2023 13:52

Instrument :

MSVOA_N

ClientSampleId :

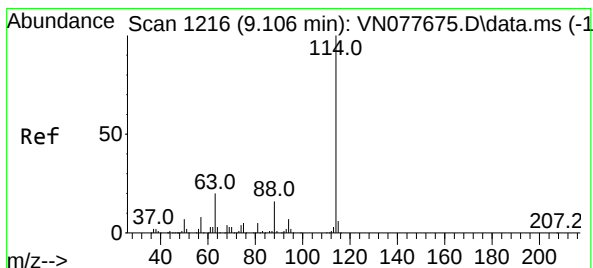
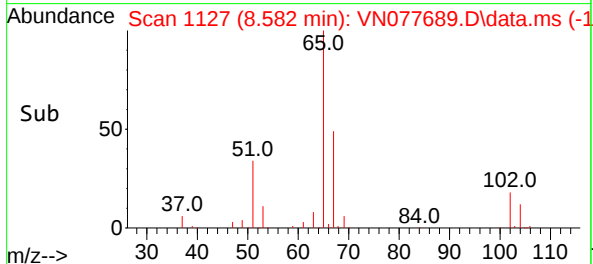
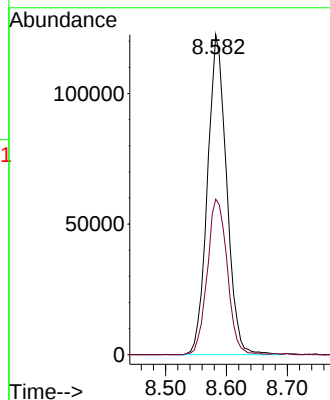
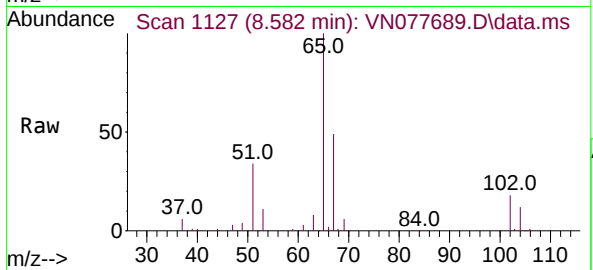
TB-01-051523

Tgt Ion: 65 Resp: 267087

Ion Ratio Lower Upper

65 100

67 50.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN077689.D

Acq: 16 May 2023 13:52

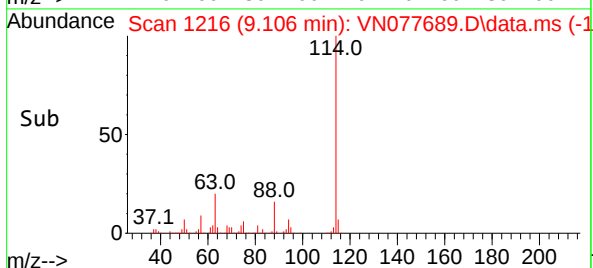
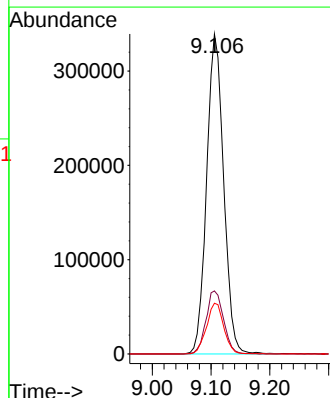
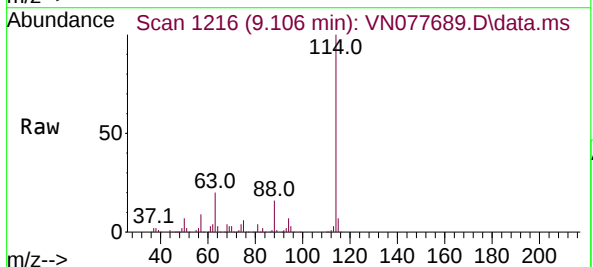
Tgt Ion: 114 Resp: 684204

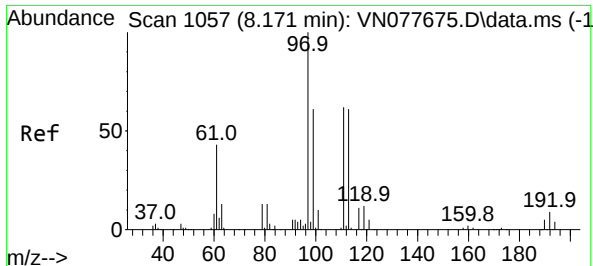
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

88 15.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.193 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN077689.D

Acq: 16 May 2023 13:52

Instrument :

MSVOA_N

ClientSampleId :

TB-01-051523

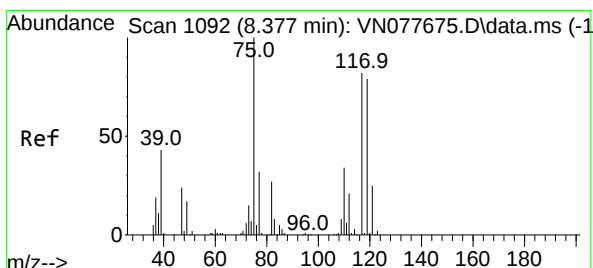
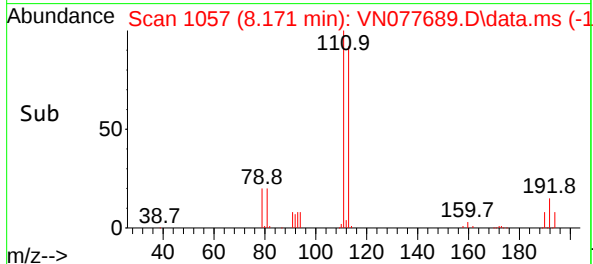
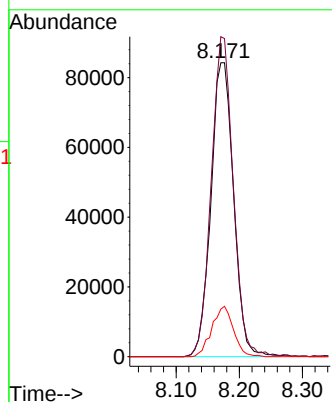
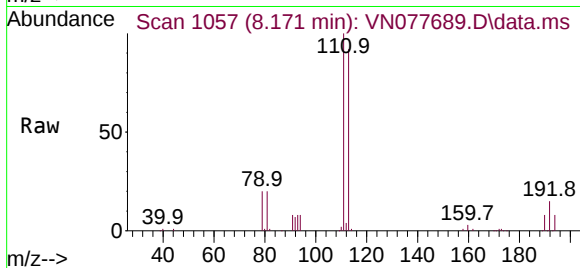
Tgt Ion:113 Resp: 210556

Ion Ratio Lower Upper

113 100

111 105.4 82.6 123.8

192 16.3 12.7 19.1



#36

1,1-Dichloropropene

Concen: 5.098 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.148 min

Lab File: VN077689.D

Acq: 16 May 2023 13:52

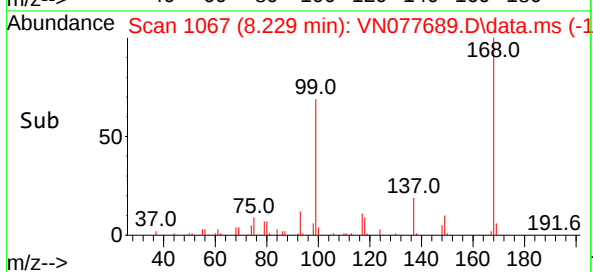
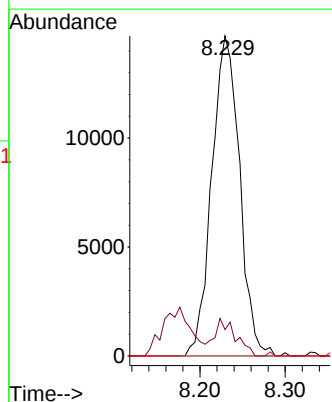
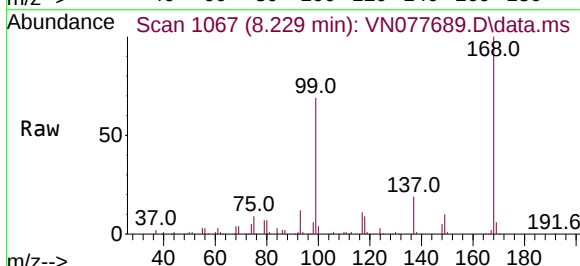
Tgt Ion: 75 Resp: 33270

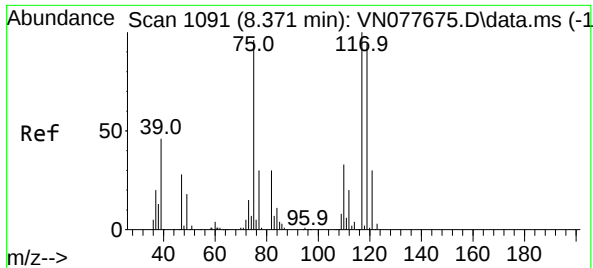
Ion Ratio Lower Upper

75 100

110 8.9 19.1 57.3#

77 0.0 25.0 37.4#

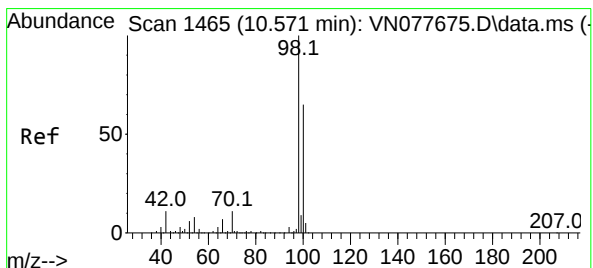
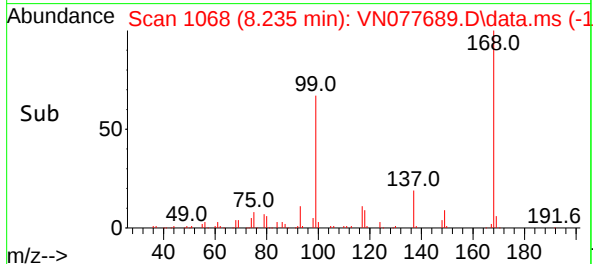
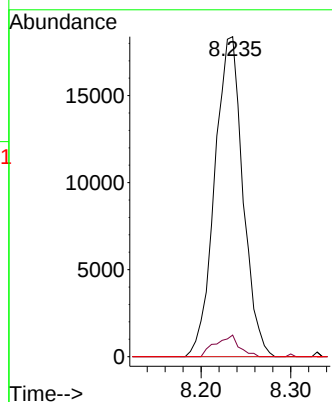
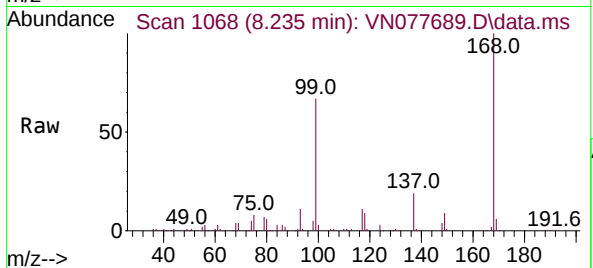




#38
Carbon Tetrachloride
Concen: 6.089 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN077689.D
Acq: 16 May 2023 13:52

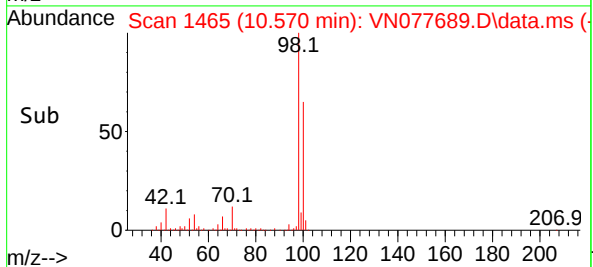
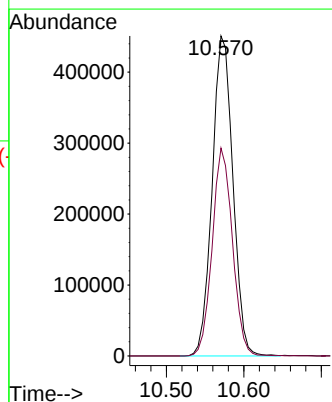
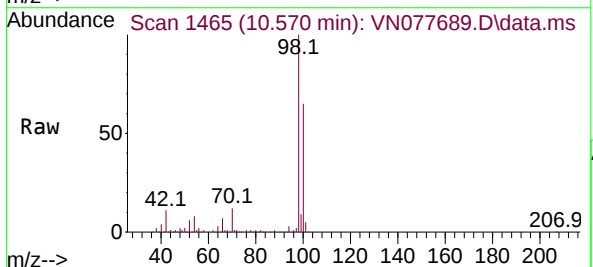
Instrument :
MSVOA_N
ClientSampleId :
TB-01-051523

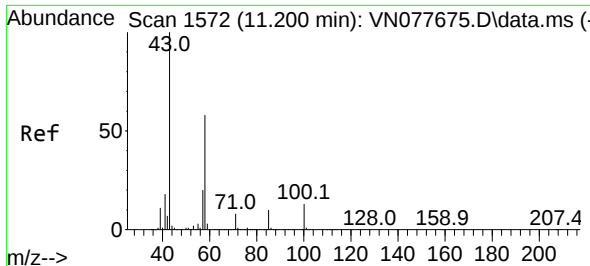
Tgt Ion:117 Resp: 40124
Ion Ratio Lower Upper
117 100
119 6.7 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 48.724 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN077689.D
Acq: 16 May 2023 13:52

Tgt Ion: 98 Resp: 836747
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0

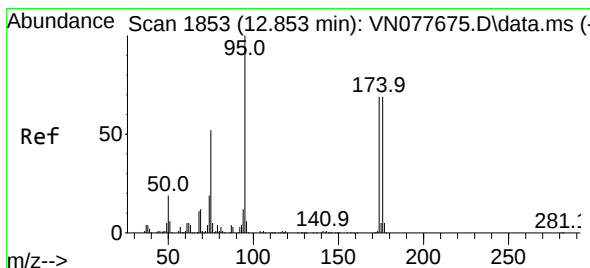
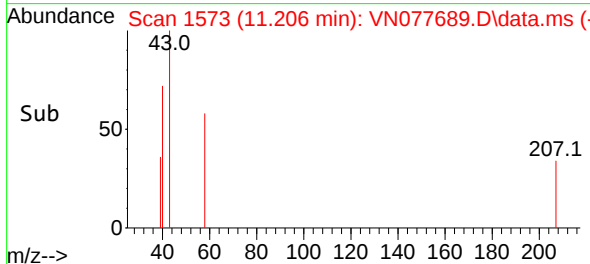
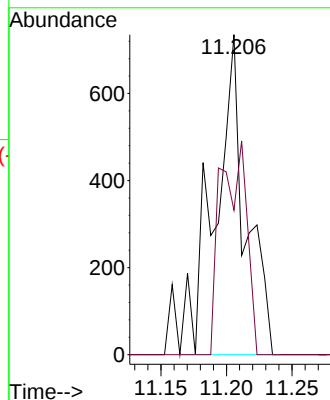
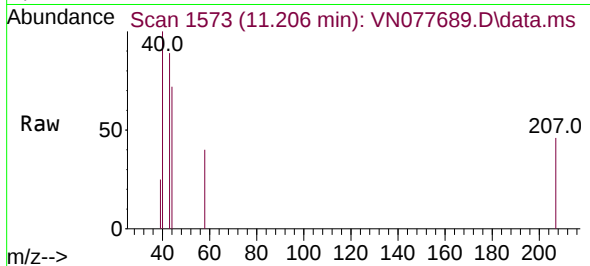




#59
2-Hexanone
Concen: 0.289 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077689.D
Acq: 16 May 2023 13:52

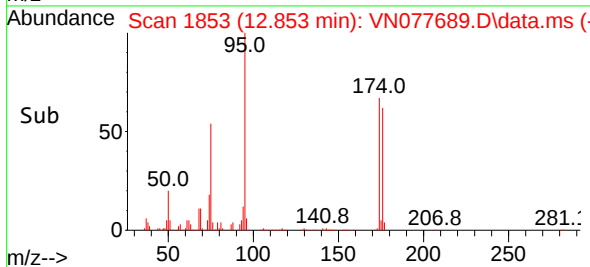
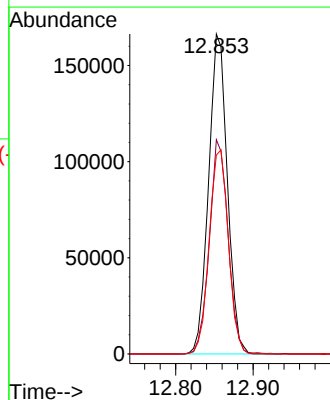
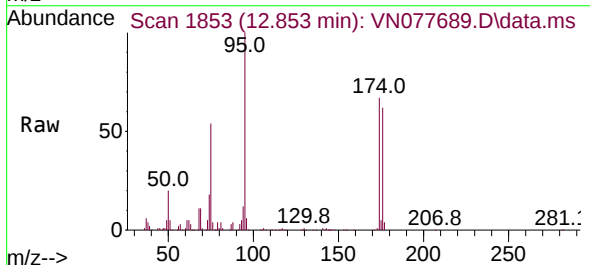
Instrument :
MSVOA_N
ClientSampleId :
TB-01-051523

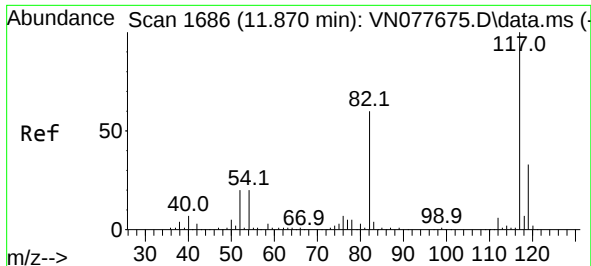
Tgt Ion: 43 Resp: 1207
Ion Ratio Lower Upper
43 100
58 55.9 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 46.167 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077689.D
Acq: 16 May 2023 13:52

Tgt Ion: 95 Resp: 280010
Ion Ratio Lower Upper
95 100
174 66.5 0.0 143.8
176 65.2 0.0 135.8

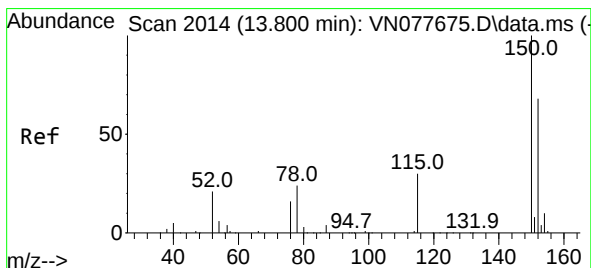
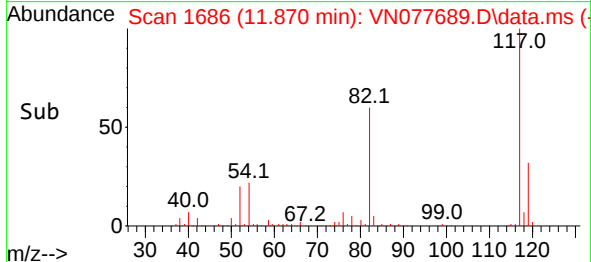
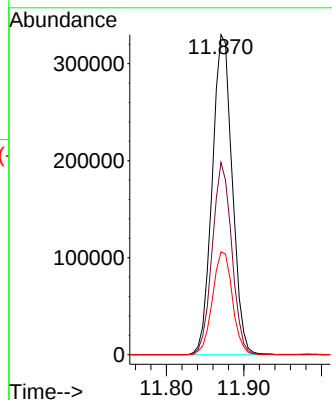
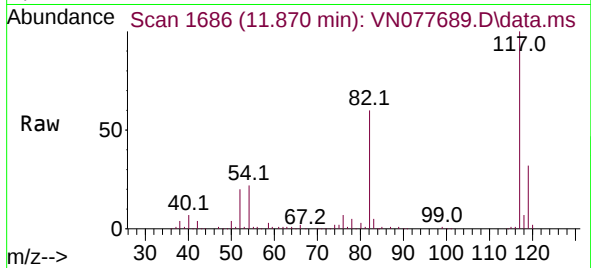




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN077689.D
Acq: 16 May 2023 13:52

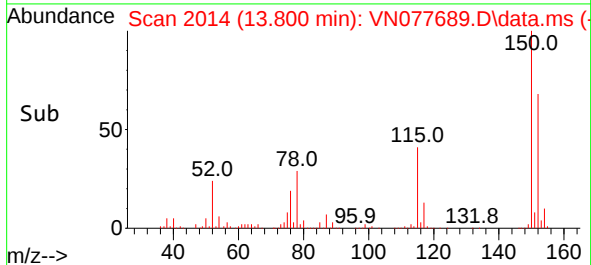
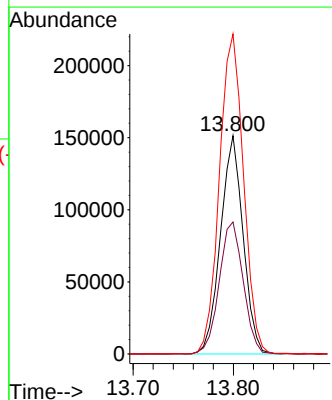
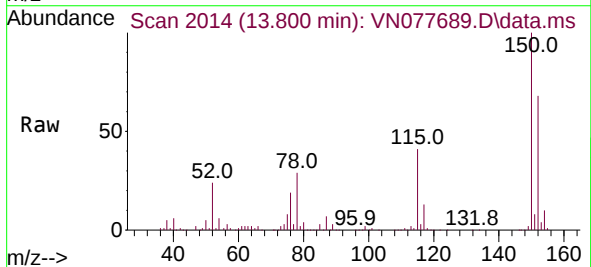
Instrument :
MSVOA_N
ClientSampleId :
TB-01-051523

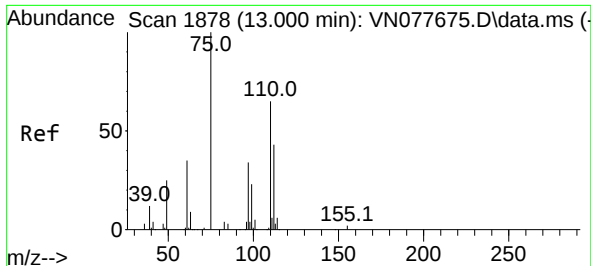
Tgt Ion:117 Resp: 591486
Ion Ratio Lower Upper
117 100
82 60.1 44.0 66.0
119 32.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077689.D
Acq: 16 May 2023 13:52

Tgt Ion:152 Resp: 236736
Ion Ratio Lower Upper
152 100
115 64.3 32.3 96.8
150 156.4 0.0 355.8

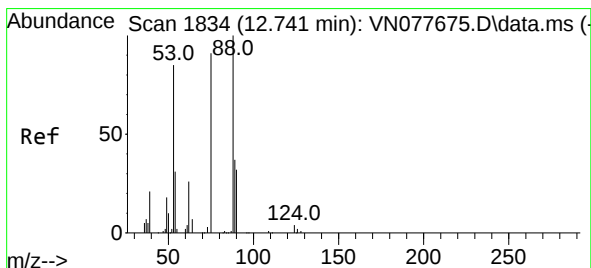
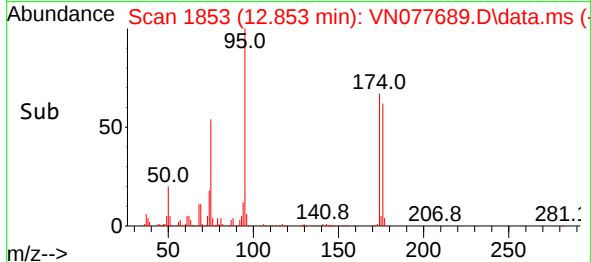
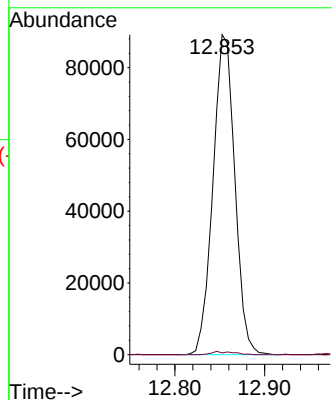
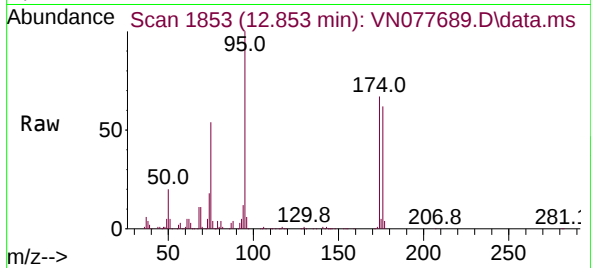




#76
1,2,3-Trichloropropane
Concen: 25.454 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077689.D
Acq: 16 May 2023 13:52

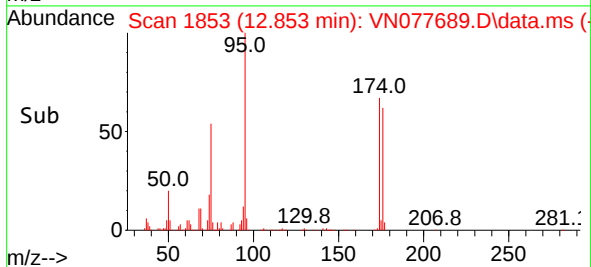
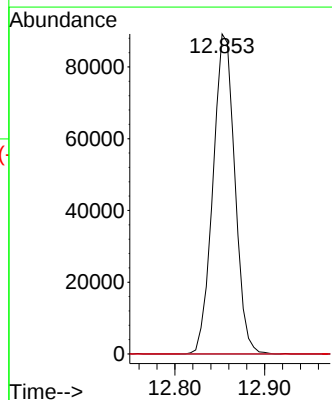
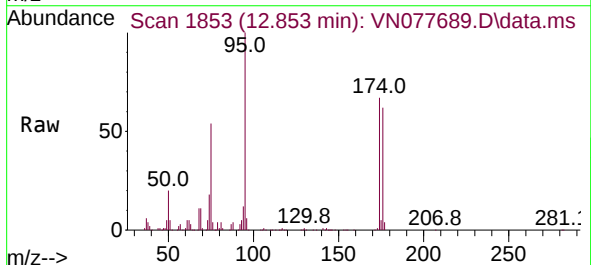
Instrument :
MSVOA_N
ClientSampleId :
TB-01-051523

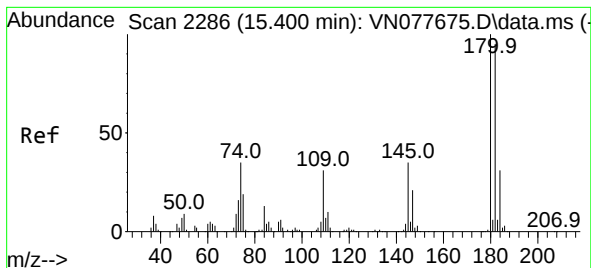
Tgt Ion: 75 Resp: 150909
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.364 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077689.D
Acq: 16 May 2023 13:52

Tgt Ion: 75 Resp: 150909
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.283 ug/l

RT: 15.399 min Scan# 21

Delta R.T. -0.001 min

Lab File: VN077689.D

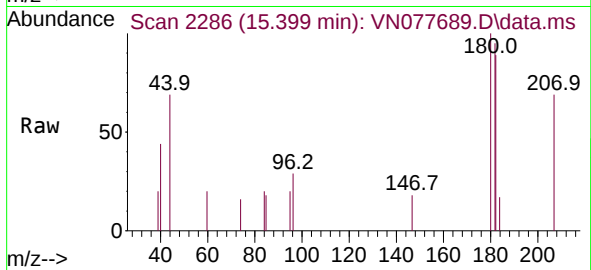
Acq: 16 May 2023 13:52

Instrument :

MSVOA_N

ClientSampleId :

TB-01-051523



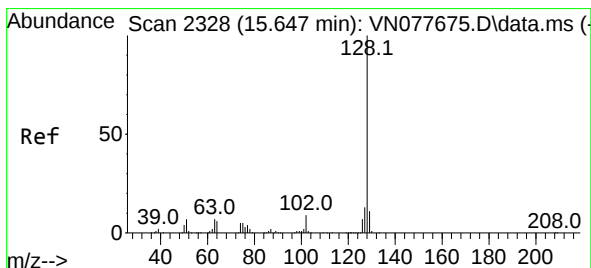
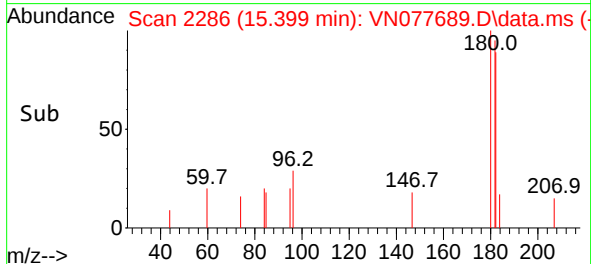
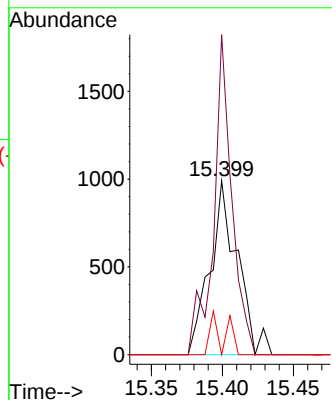
Tgt Ion:180 Resp: 1330

Ion Ratio Lower Upper

180 100

182 122.7 46.1 138.2

145 12.5 16.6 49.8#



#95

Naphthalene

Concen: 0.378 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN077689.D

Acq: 16 May 2023 13:52

Tgt Ion:128 Resp: 6115

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 11.2 8.7 13.1

