

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072723\
 Data File : VY014886.D
 Acq On : 27 Jul 2023 16:43
 Operator : SY/MD
 Sample : 03756-09
 Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 28 02:38:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

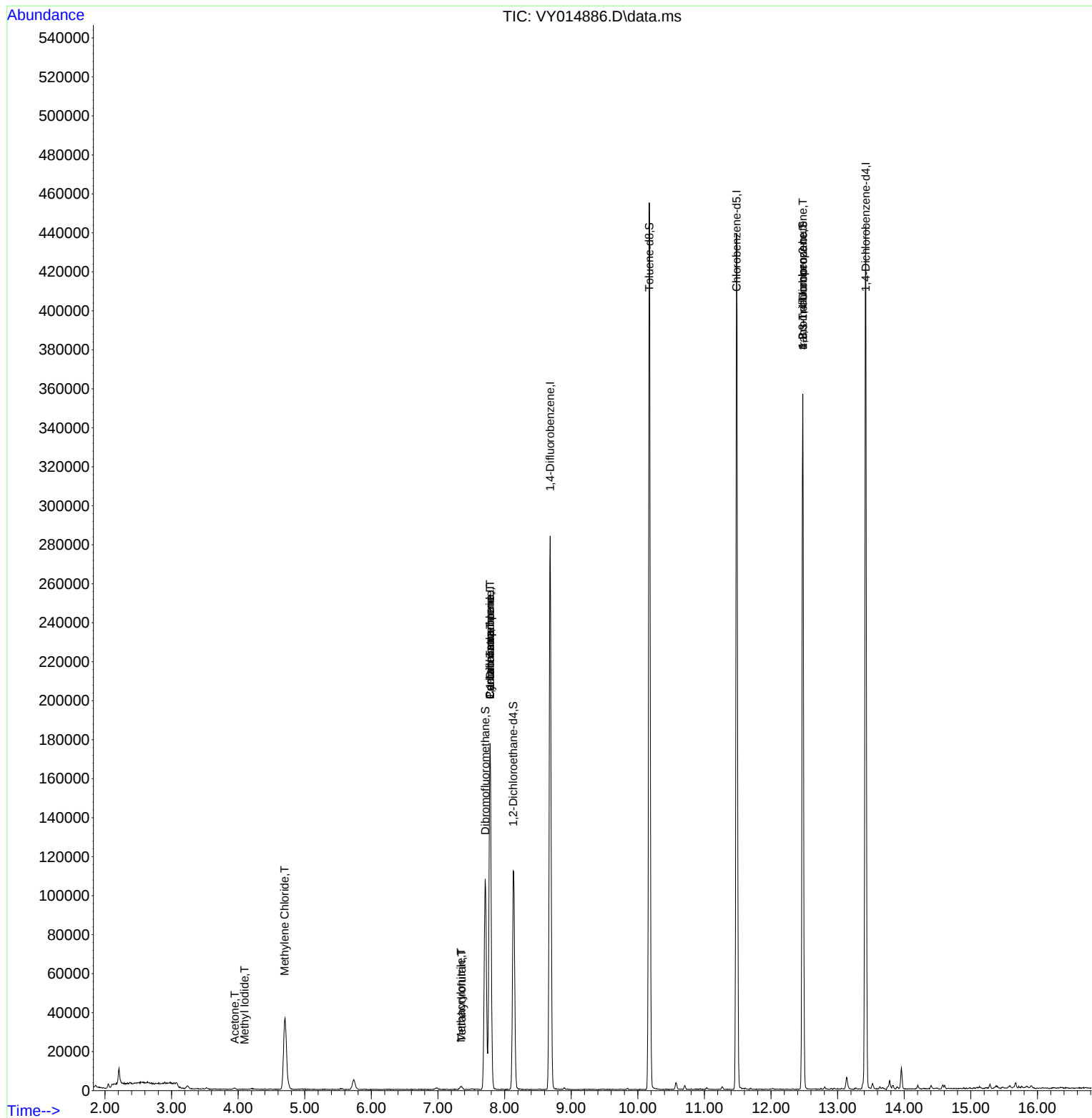
Internal Standards						
1) Pentafluorobenzene	7.782	168	138126	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	242697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	233799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	111883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	90019	57.191	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.380%	
35) Dibromofluoromethane	7.709	113	77652	50.262	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.520%	
50) Toluene-d8	10.172	98	291443	51.167	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.340%	
62) 4-Bromofluorobenzene	12.477	95	106952	48.970	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.940%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.094	142	29	2.387	ug/l #	38
11) Tert butyl alcohol	4.935	59	197	Below Cal	#	89
16) Acetone	3.948	43	1008	2.021	ug/l	95
20) Methylene Chloride	4.698	84	28329	14.484	ug/l	87
29) Tetrahydrofuran	7.356	42	1227	2.731	ug/l #	35
31) Cyclohexane	7.782	56	2817	1.078	ug/l #	1
36) 1,1-Dichloropropene	7.782	75	10544	4.564	ug/l #	51
38) Carbon Tetrachloride	7.782	117	14685	6.013	ug/l #	16
41) Methacrylonitrile	7.344	41	836	1.022	ug/l #	42
76) 1,2,3-Trichloropropane	12.477	75	57172	40.460	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57172	78.338	ug/l #	10

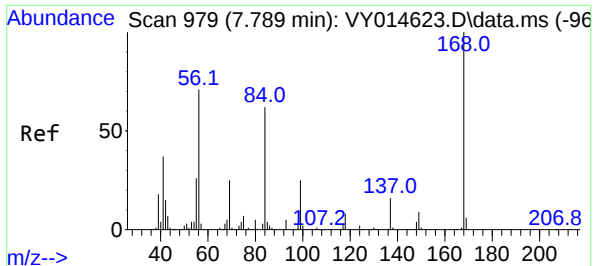
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

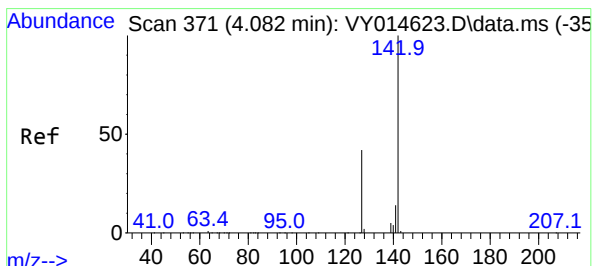
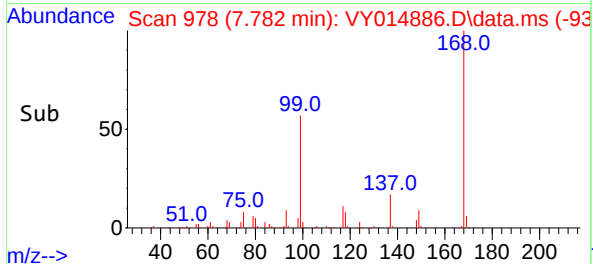
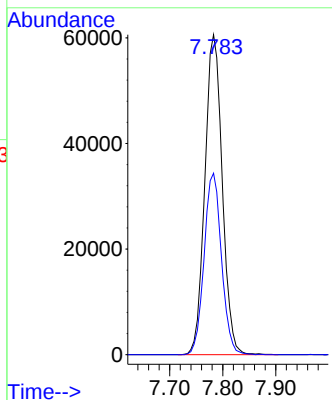
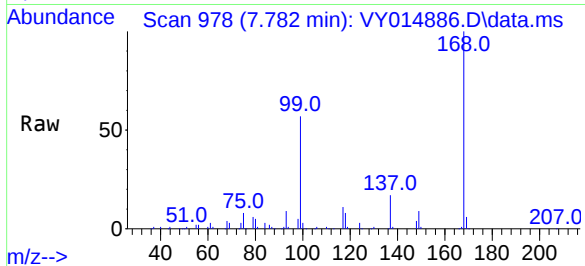




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014886.D
Acq: 27 Jul 2023 16:43

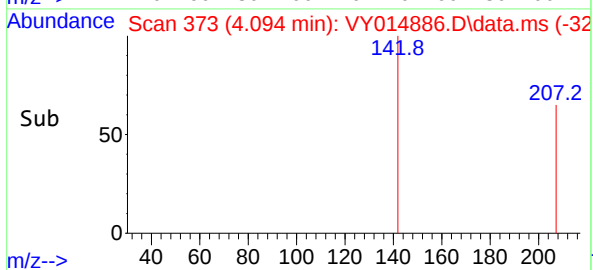
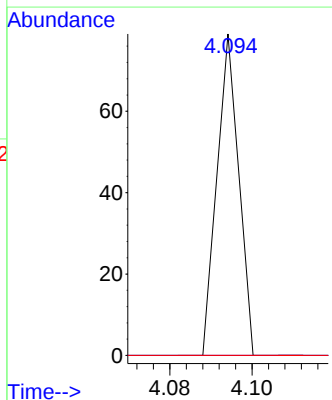
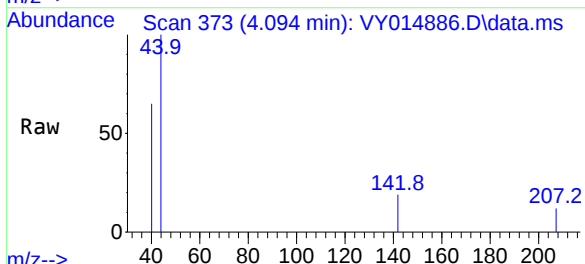
Instrument :
MSVOA_Y
ClientSampleId :

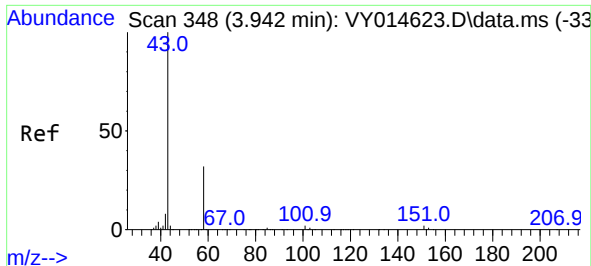
Tgt Ion:168 Resp: 138126
Ion Ratio Lower Upper
168 100
99 56.7 43.4 65.0



#10
Methyl Iodide
Concen: 2.387 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY014886.D
Acq: 27 Jul 2023 16:43

Tgt Ion:142 Resp: 29
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

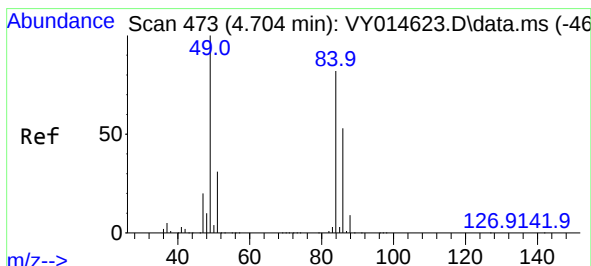
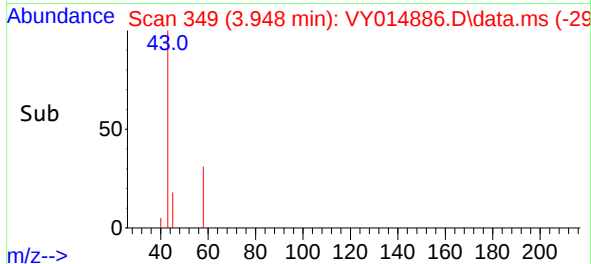
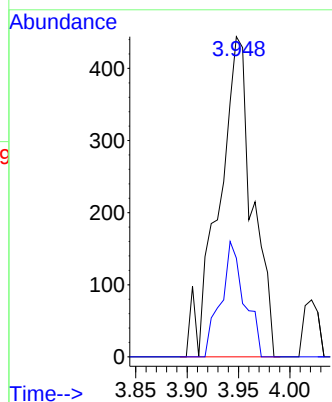
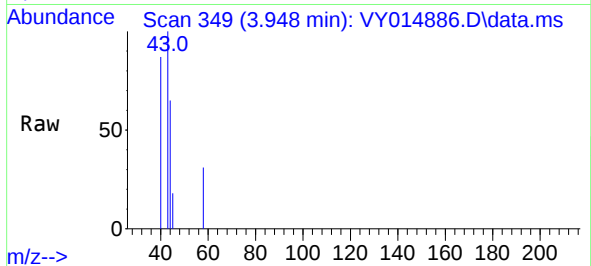




#16
Acetone
Concen: 2.021 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY014886.D
Acq: 27 Jul 2023 16:43

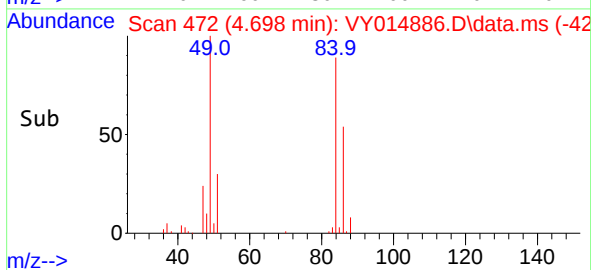
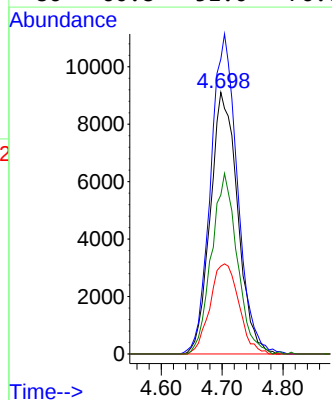
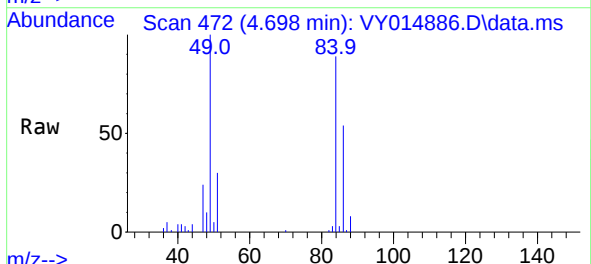
Instrument :
MSVOA_Y
ClientSampleId :

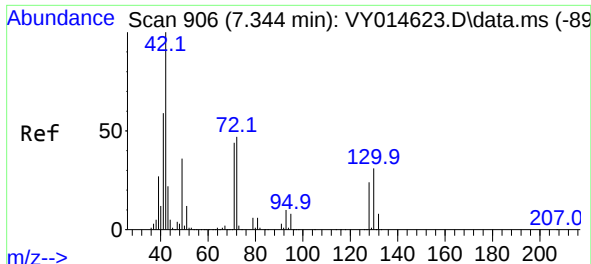
Tgt Ion: 43 Resp: 1008
Ion Ratio Lower Upper
43 100
58 30.9 22.7 34.1



#20
Methylene Chloride
Concen: 14.484 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.006 min
Lab File: VY014886.D
Acq: 27 Jul 2023 16:43

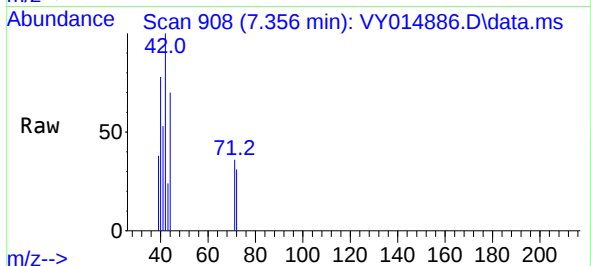
Tgt Ion: 84 Resp: 28329
Ion Ratio Lower Upper
84 100
49 112.8 106.9 160.3
51 33.6 33.2 49.8
86 60.8 51.0 76.6



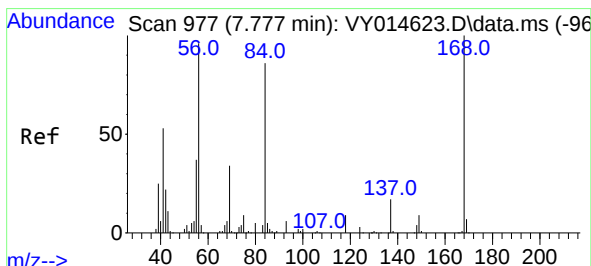
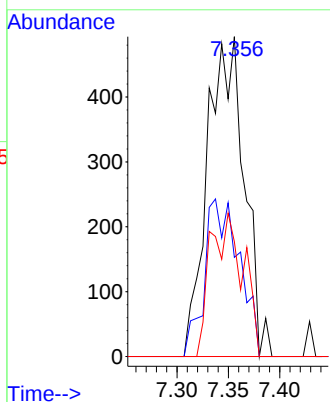
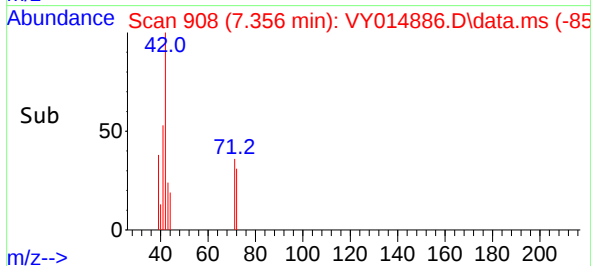


#29
Tetrahydrofuran
Concen: 2.731 ug/l
RT: 7.356 min Scan# 906
Delta R.T. 0.012 min
Lab File: VY014886.D
Acq: 27 Jul 2023 16:43

Instrument :
MSVOA_Y
ClientSampleId :

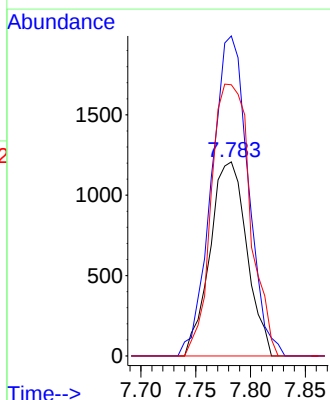
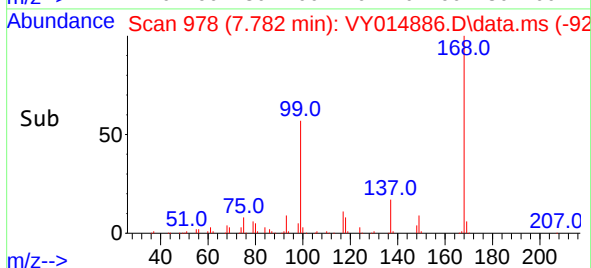
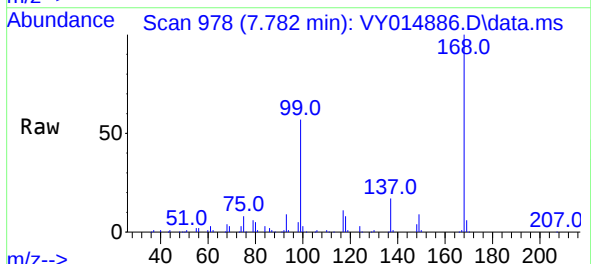


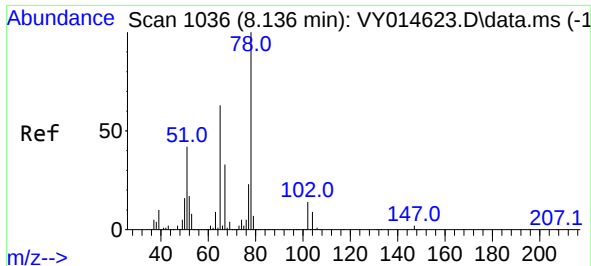
Tgt Ion: 42 Resp: 1227
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 0.0 31.0 46.4#



#31
Cyclohexane
Concen: 1.078 ug/l
RT: 7.782 min Scan# 978
Delta R.T. 0.005 min
Lab File: VY014886.D
Acq: 27 Jul 2023 16:43

Tgt Ion: 56 Resp: 2817
Ion Ratio Lower Upper
56 100
69 165.0 27.8 41.6#
84 139.8 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 57.191 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY014886.D

Acq: 27 Jul 2023 16:43

Instrument :

MSVOA_Y

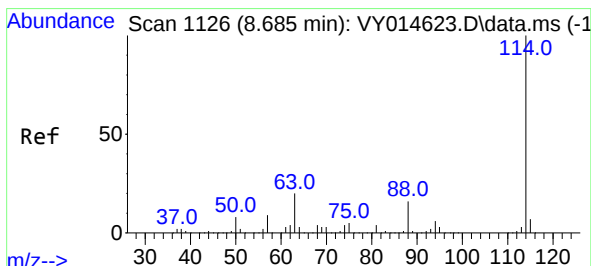
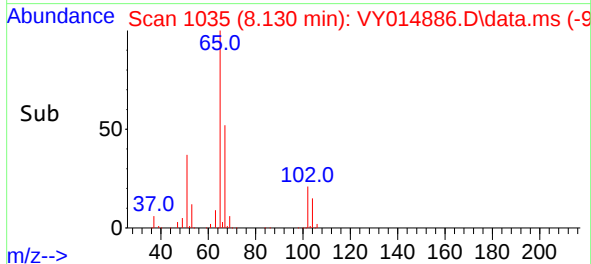
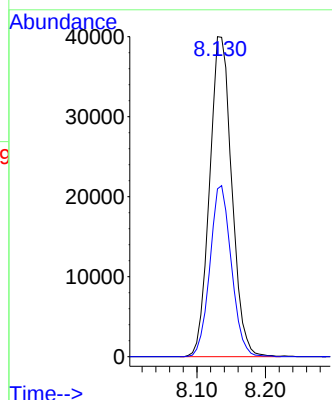
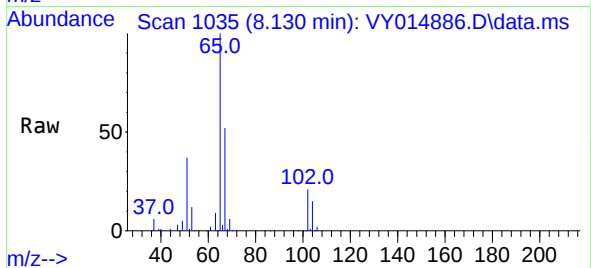
ClientSampleId :

Tgt Ion: 65 Resp: 90019

Ion Ratio Lower Upper

65 100

67 51.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY014886.D

Acq: 27 Jul 2023 16:43

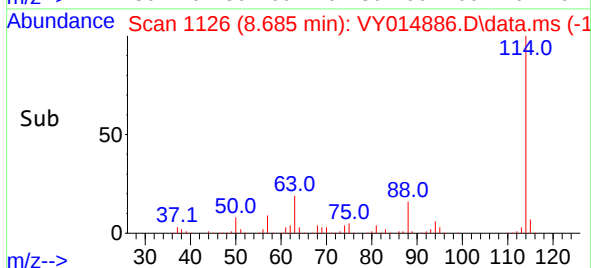
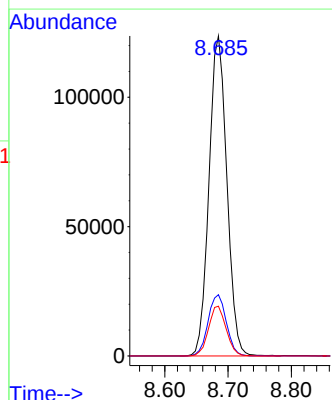
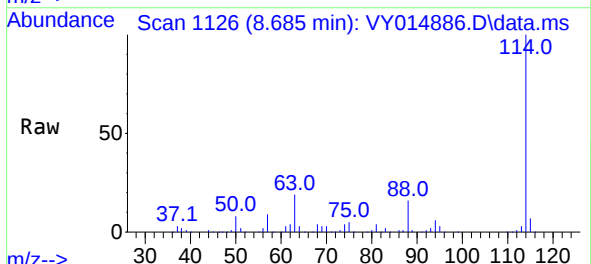
Tgt Ion: 114 Resp: 242697

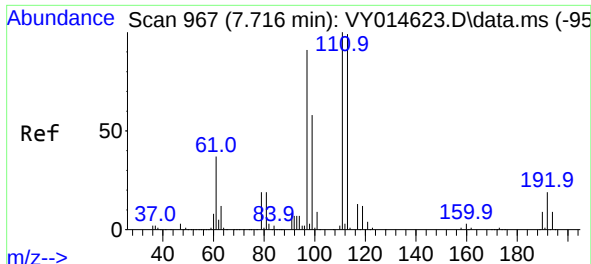
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

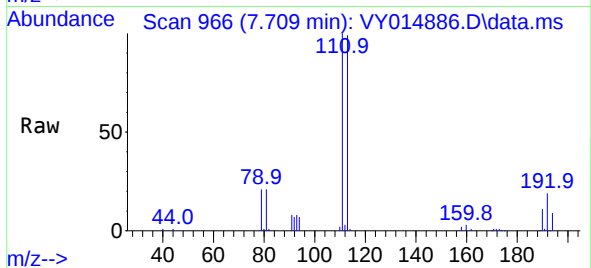
88 15.6 0.0 30.6



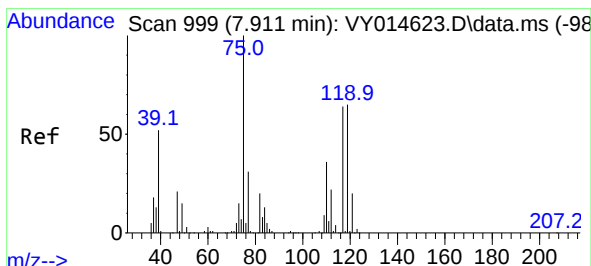
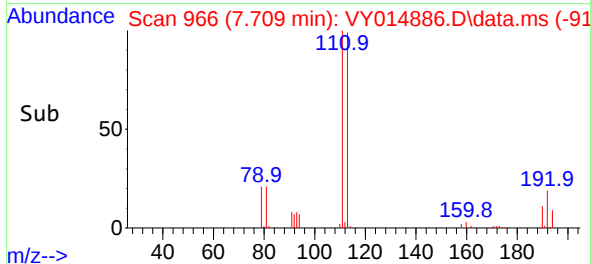
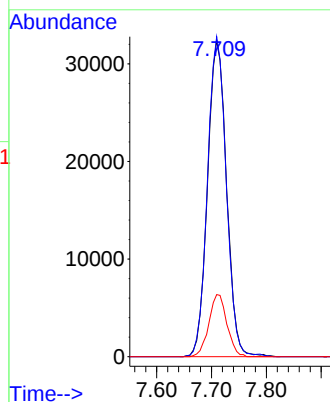


#35
Dibromofluoromethane
Concen: 50.262 ug/l
RT: 7.709 min Scan# 911
Delta R.T. -0.007 min
Lab File: VY014886.D
Acq: 27 Jul 2023 16:43

Instrument :
MSVOA_Y
ClientSampleId :

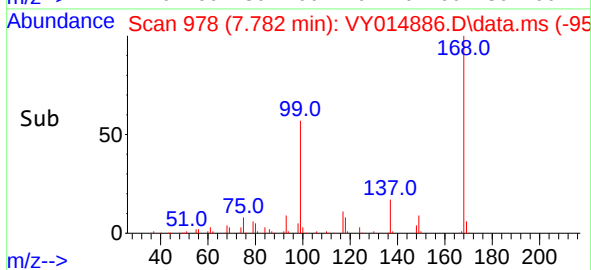
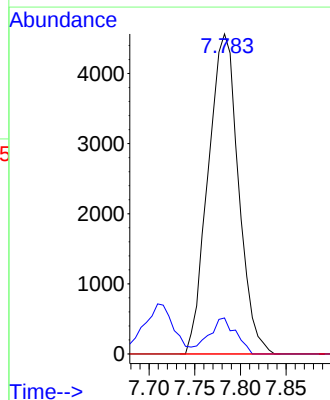
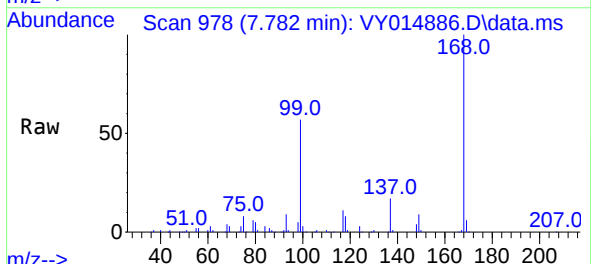


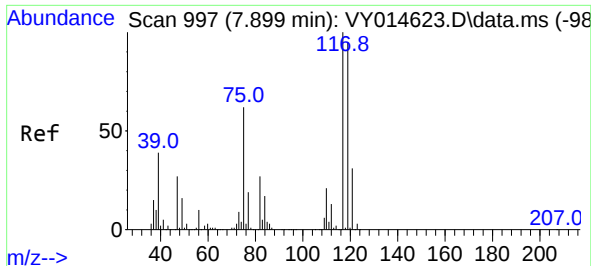
Tgt Ion:113 Resp: 77652
Ion Ratio Lower Upper
113 100
111 100.2 81.3 121.9
192 18.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.564 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014886.D
Acq: 27 Jul 2023 16:43

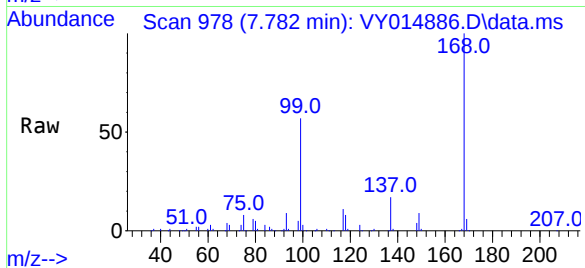
Tgt Ion: 75 Resp: 10544
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.5#
77 0.0 24.4 36.6#



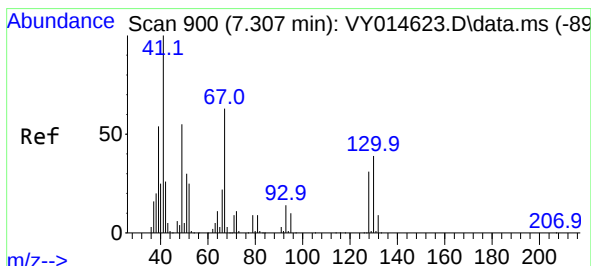
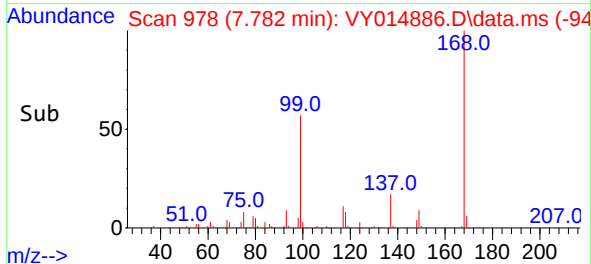
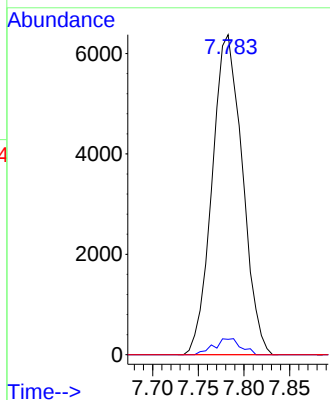


#38
Carbon Tetrachloride
Concen: 6.013 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.117 min
Lab File: VY014886.D
Acq: 27 Jul 2023 16:43

Instrument :
MSVOA_Y
ClientSampleId :

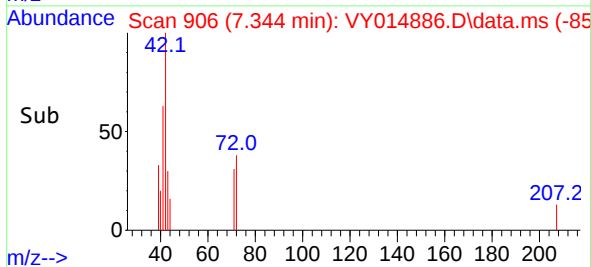
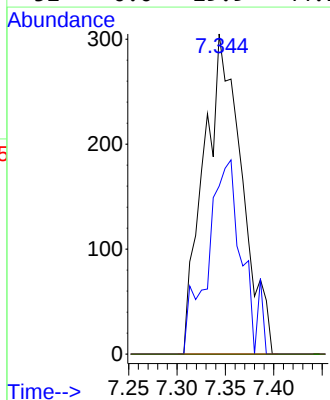
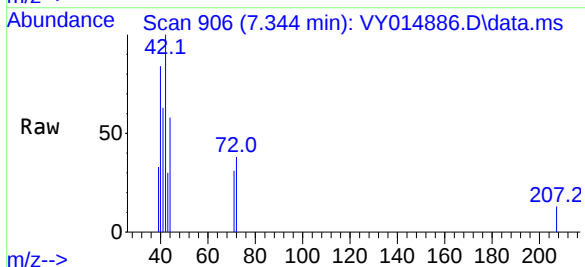


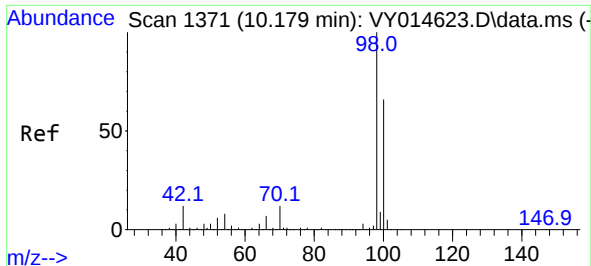
Tgt Ion:117 Resp: 14685
Ion Ratio Lower Upper
117 100
119 4.8 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.022 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.037 min
Lab File: VY014886.D
Acq: 27 Jul 2023 16:43

Tgt Ion: 41 Resp: 836
Ion Ratio Lower Upper
41 100
39 55.0 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

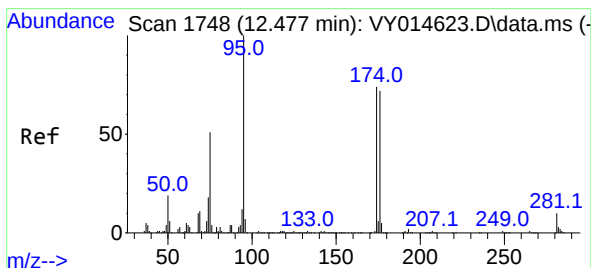
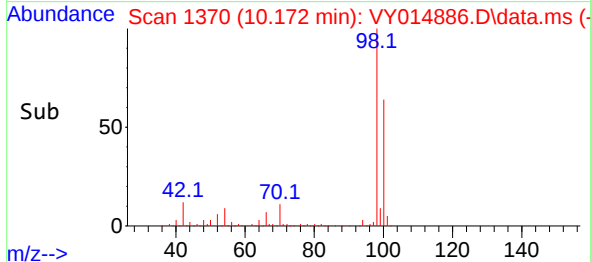
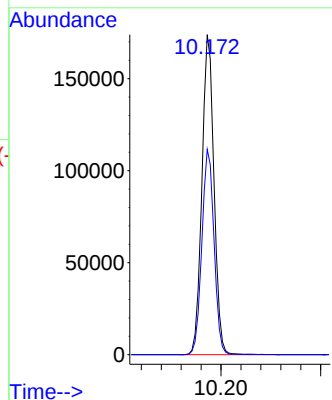
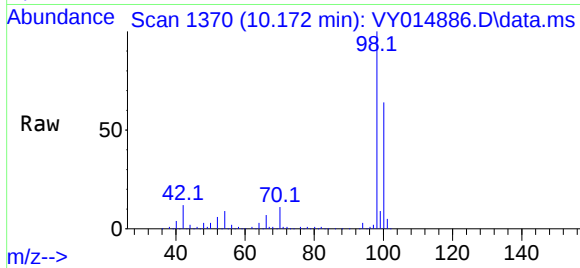




#50
Toluene-d8
Concen: 51.167 ug/l
RT: 10.172 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY014886.D
Acq: 27 Jul 2023 16:43

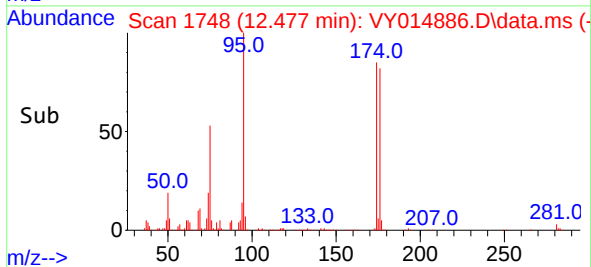
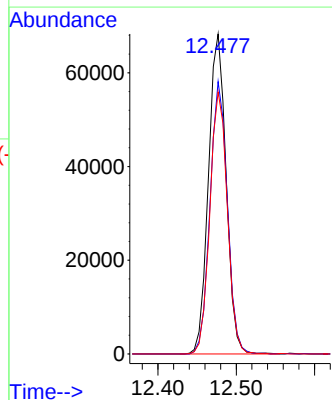
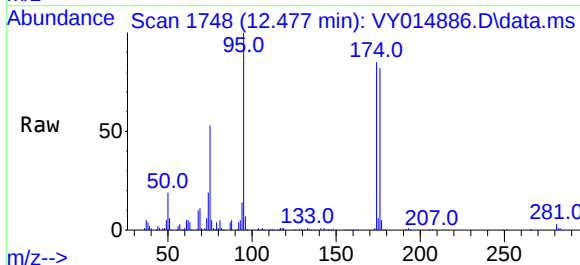
Instrument :
MSVOA_Y
ClientSampleId :

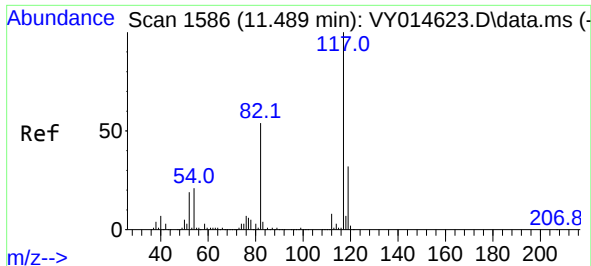
Tgt Ion: 98 Resp: 291443
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 48.970 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY014886.D
Acq: 27 Jul 2023 16:43

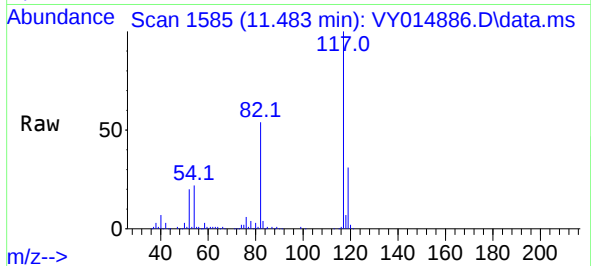
Tgt Ion: 95 Resp: 106952
Ion Ratio Lower Upper
95 100
174 83.4 0.0 178.2
176 80.9 0.0 173.8



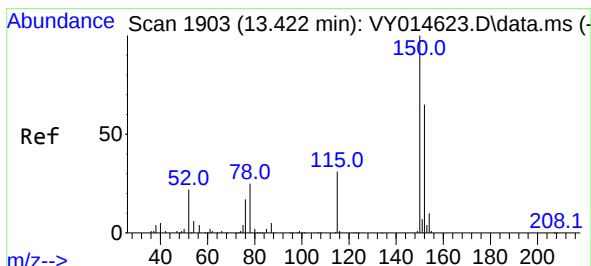
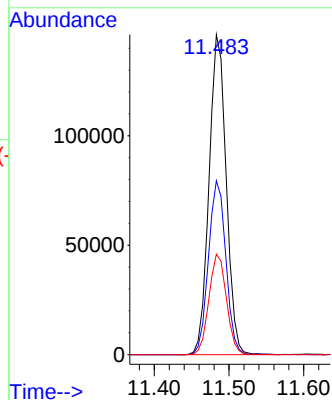
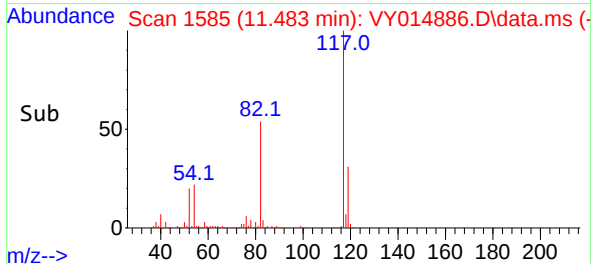


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014886.D
Acq: 27 Jul 2023 16:43

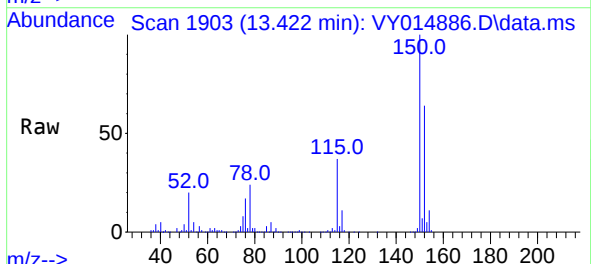
Instrument :
MSVOA_Y
ClientSampleId :



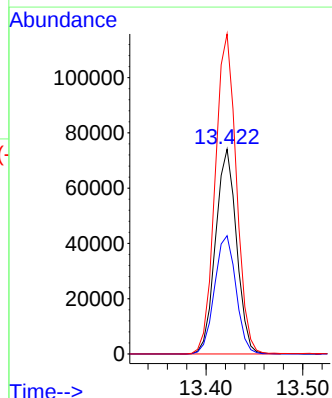
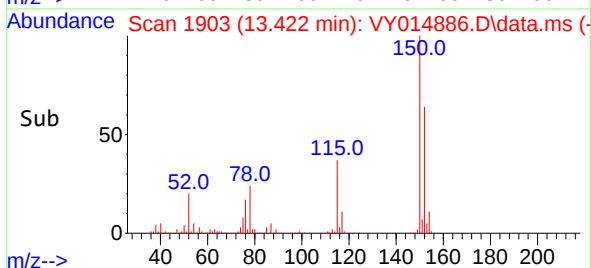
Tgt Ion:117 Resp: 233799
Ion Ratio Lower Upper
117 100
82 54.4 43.4 65.0
119 31.4 26.3 39.5

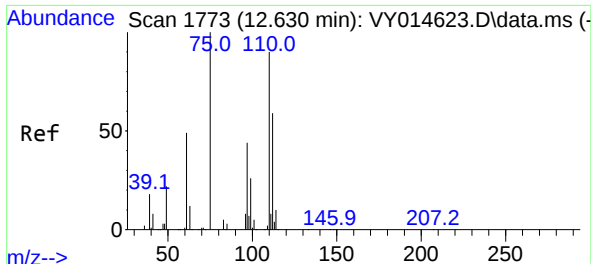


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY014886.D
Acq: 27 Jul 2023 16:43



Tgt Ion:152 Resp: 111883
Ion Ratio Lower Upper
152 100
115 59.0 28.8 86.5
150 157.1 0.0 348.8

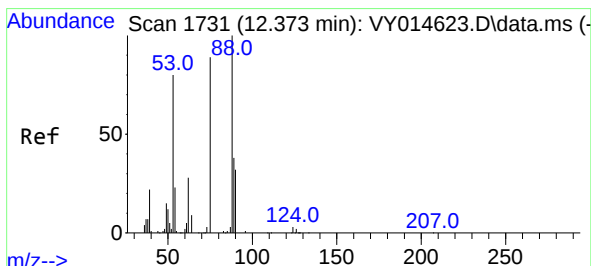
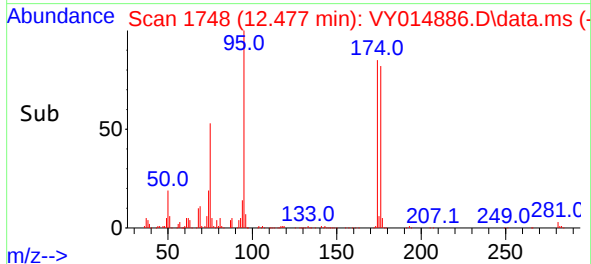
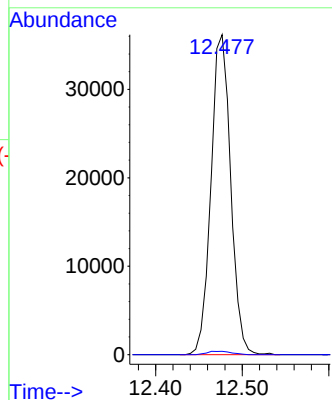
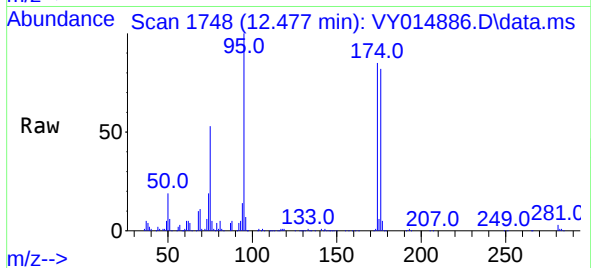




#76
1,2,3-Trichloropropane
Concen: 40.460 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014886.D
Acq: 27 Jul 2023 16:43

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 57172
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.338 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014886.D
Acq: 27 Jul 2023 16:43

Tgt Ion: 75 Resp: 57172
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

