

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012025\
 Data File : VY020882.D
 Acq On : 20 Jan 2025 15:48
 Operator : SY/MD
 Sample : Q1123-02RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 21 00:43:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

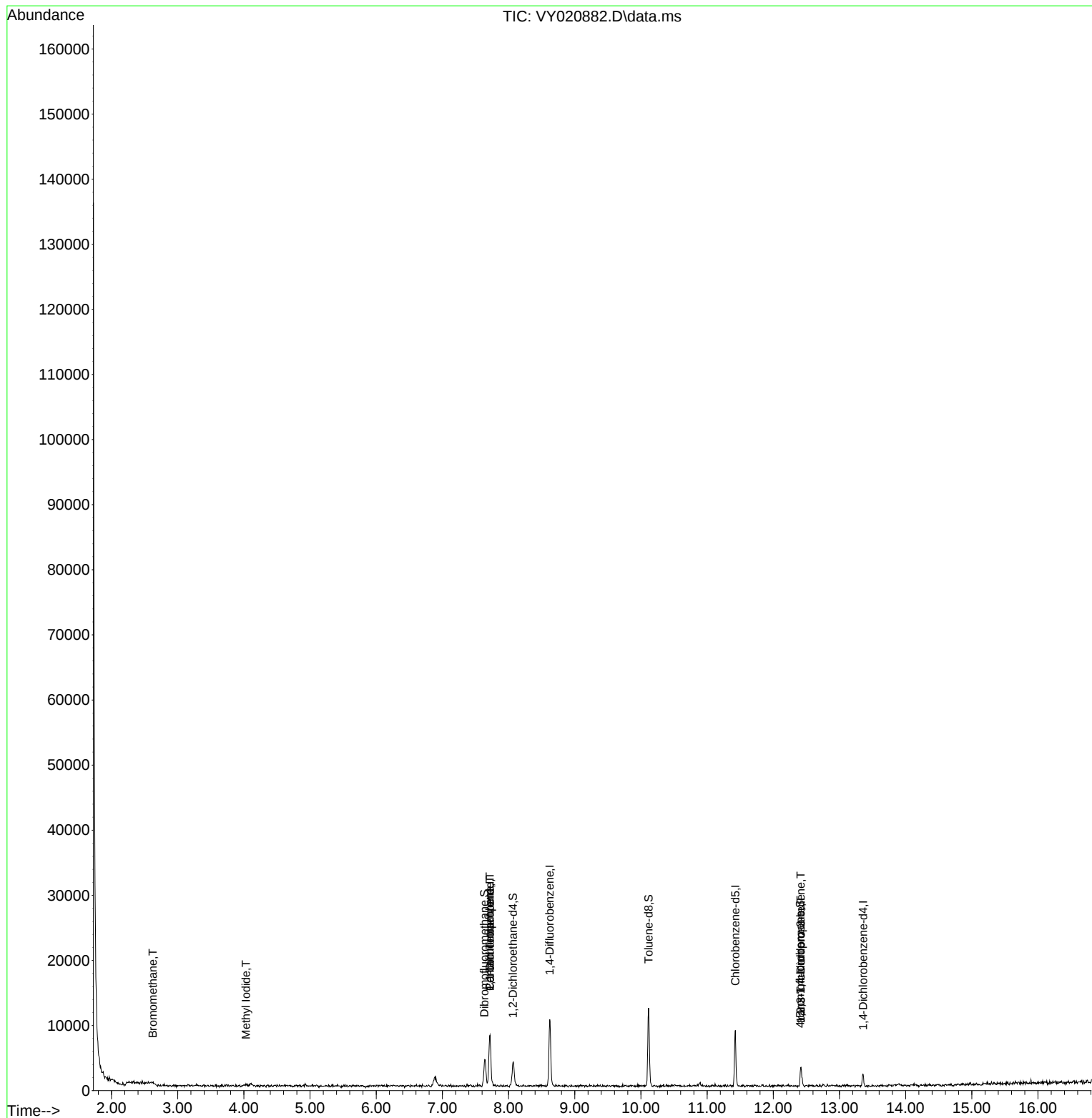
Internal Standards						
1) Pentafluorobenzene	7.719	168	7196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	9986	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	5150	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.358	152	665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	3319	54.264	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.520%	
35) Dibromofluoromethane	7.634	113	3113	49.759	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.520%	
50) Toluene-d8	10.115	98	8582	39.351	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 78.700%	
62) 4-Bromofluorobenzene	12.407	95	881	10.939	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 21.880%#	
Target Compounds						
					Qvalue	
5) Bromomethane	2.622	94	67	3.043	ug/l #	4
10) Methyl Iodide	4.031	142	463	6.743	ug/l #	84
36) 1,1-Dichloropropene	7.719	75	429	5.376	ug/l #	40
38) Carbon Tetrachloride	7.719	117	593	5.339	ug/l #	12
76) 1,2,3-Trichloropropane	12.413	75	478	82.150	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.413	75	478	173.217	ug/l #	14

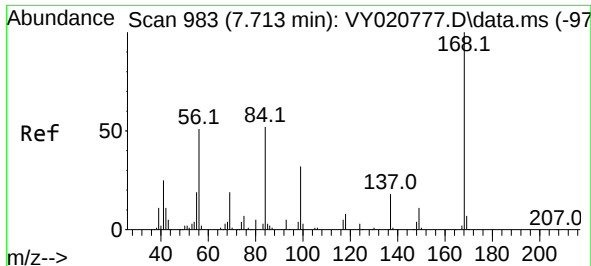
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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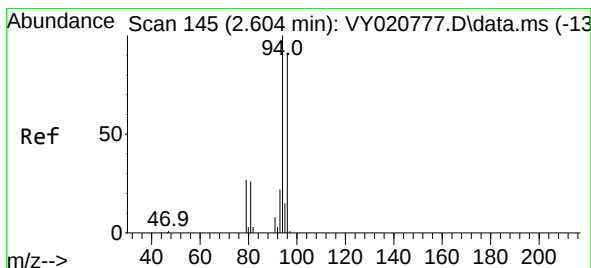
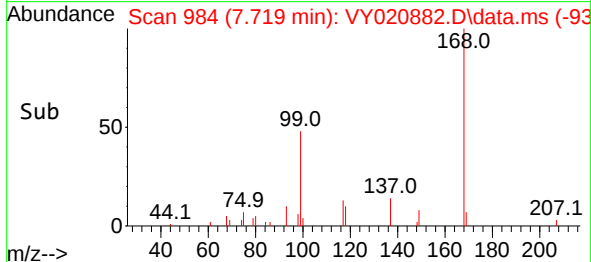
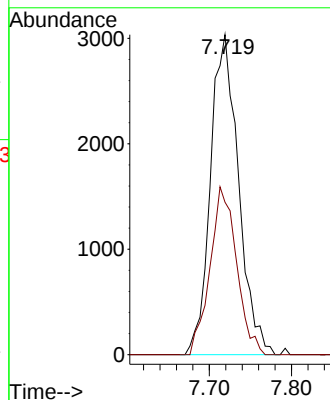
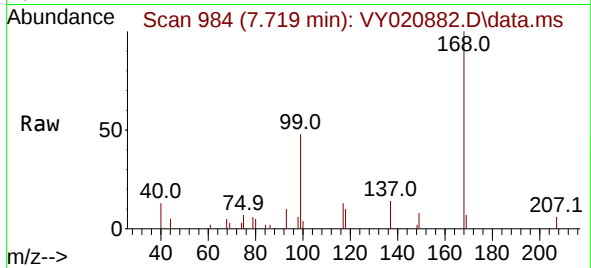




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020882.D
Acq: 20 Jan 2025 15:48

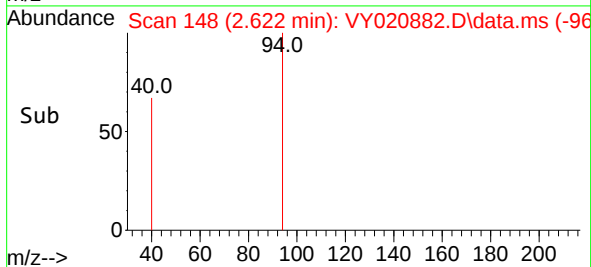
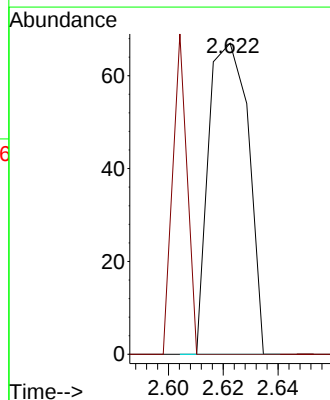
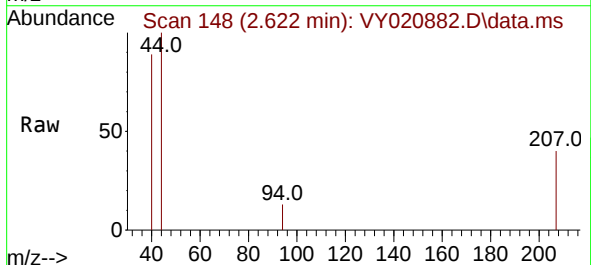
Instrument :
MSVOA_Y
ClientSampleId :

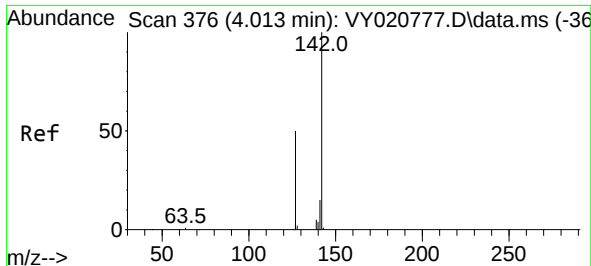
Tgt Ion:168 Resp: 7196
Ion Ratio Lower Upper
168 100
99 47.7 44.3 66.5



#5
Bromomethane
Concen: 3.043 ug/l
RT: 2.622 min Scan# 148
Delta R.T. 0.018 min
Lab File: VY020882.D
Acq: 20 Jan 2025 15:48

Tgt Ion: 94 Resp: 67
Ion Ratio Lower Upper
94 100
96 0.0 72.6 109.0#

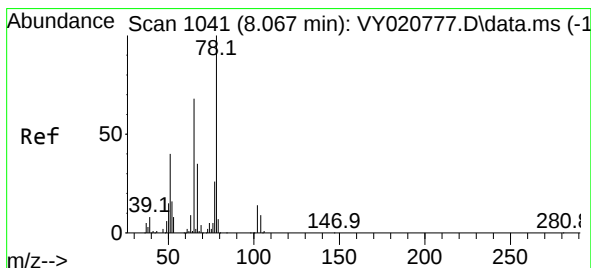
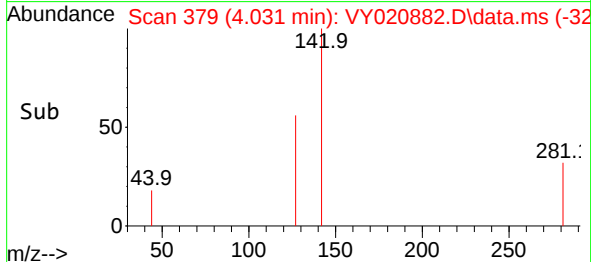
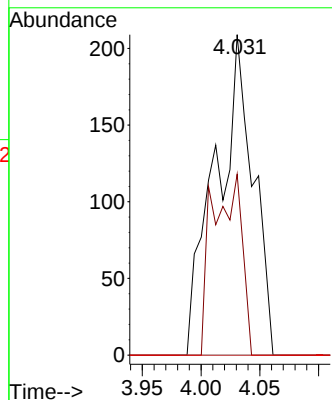
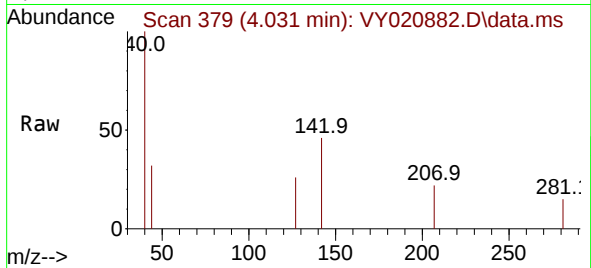




#10
Methyl Iodide
Concen: 6.743 ug/l
RT: 4.031 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY020882.D
Acq: 20 Jan 2025 15:48

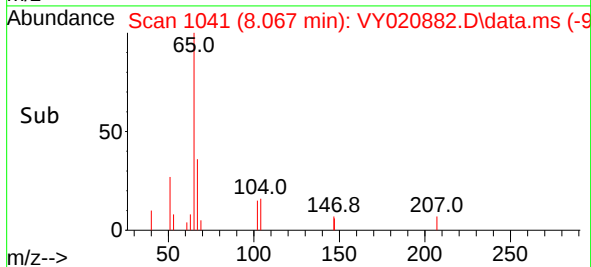
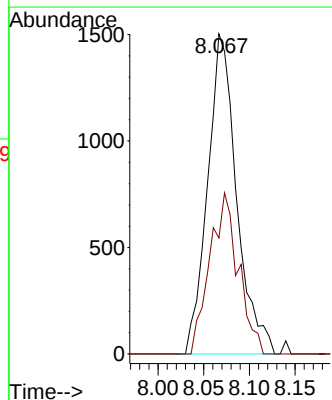
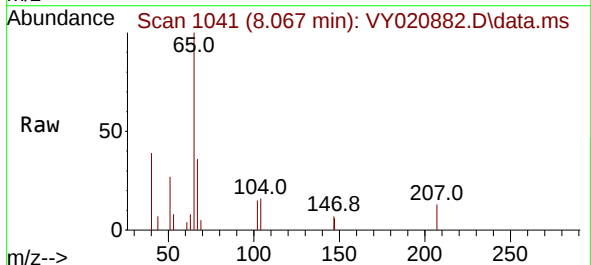
Instrument :
MSVOA_Y
ClientSampleId :

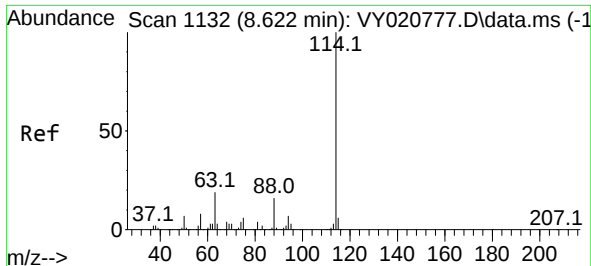
Tgt Ion:142 Resp: 463
Ion Ratio Lower Upper
142 100
127 44.1 41.0 61.6
141 0.0 11.6 17.4#



#33
1,2-Dichloroethane-d4
Concen: 54.264 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY020882.D
Acq: 20 Jan 2025 15:48

Tgt Ion: 65 Resp: 3319
Ion Ratio Lower Upper
65 100
67 49.5 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY020882.D

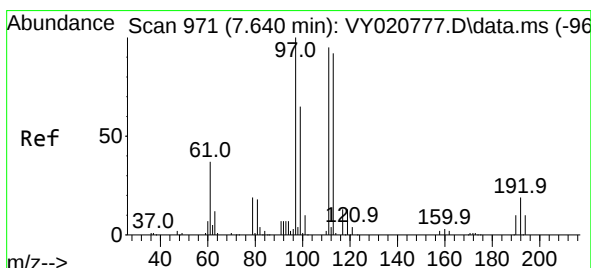
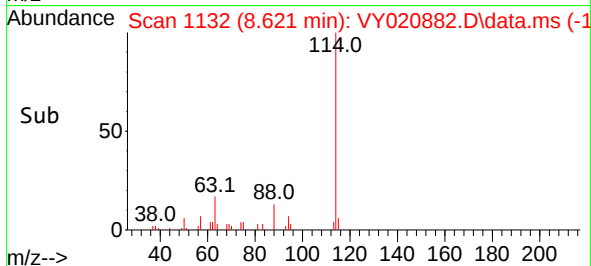
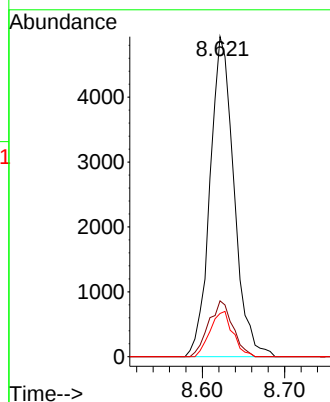
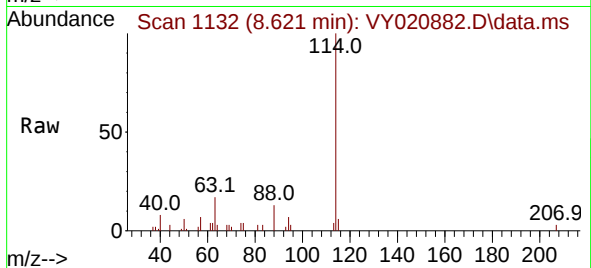
Acq: 20 Jan 2025 15:48

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	9986
Ion	Ratio	Lower Upper
114	100	
63	17.5	0.0 38.4
88	13.5	0.0 31.2



#35

Dibromofluoromethane

Concen: 49.759 ug/l

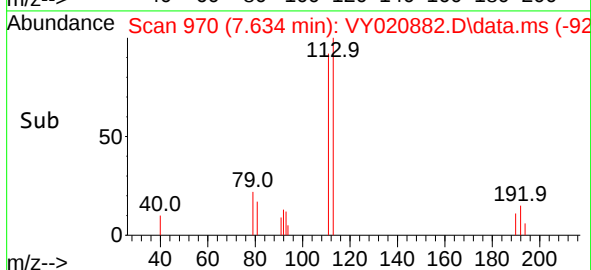
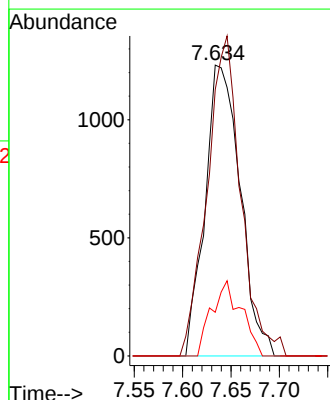
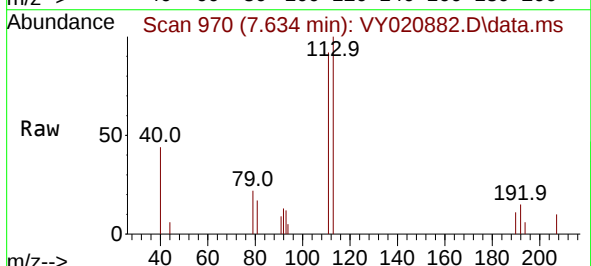
RT: 7.634 min Scan# 970

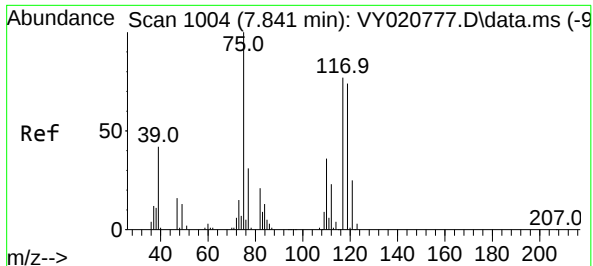
Delta R.T. -0.006 min

Lab File: VY020882.D

Acq: 20 Jan 2025 15:48

Tgt Ion:113	Resp:	3113
Ion	Ratio	Lower Upper
113	100	
111	105.3	81.7 122.5
192	21.8	16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.376 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.122 min

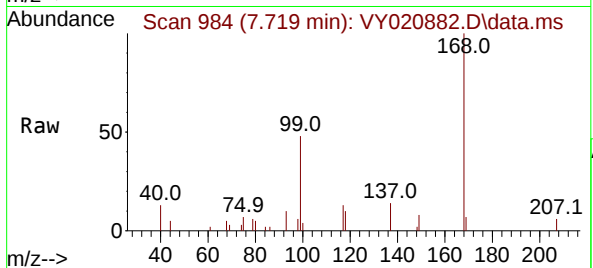
Lab File: VY020882.D

Acq: 20 Jan 2025 15:48

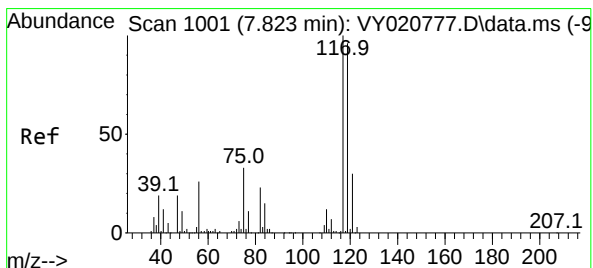
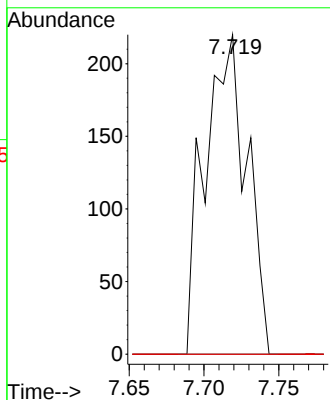
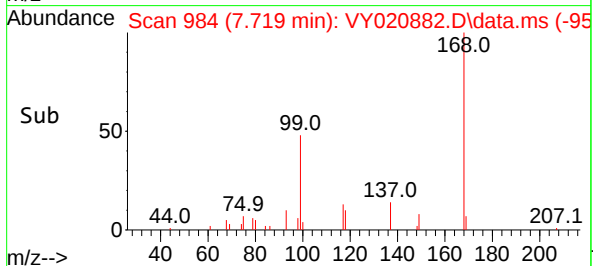
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 429
Ion Ratio	Lower Upper
75	100
110	0.0 18.5 55.5#
77	0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.339 ug/l

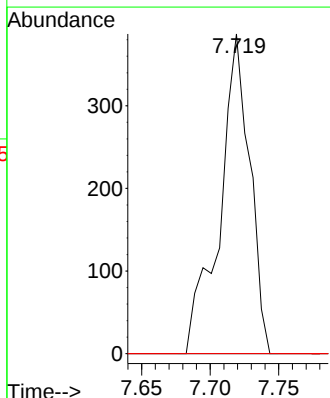
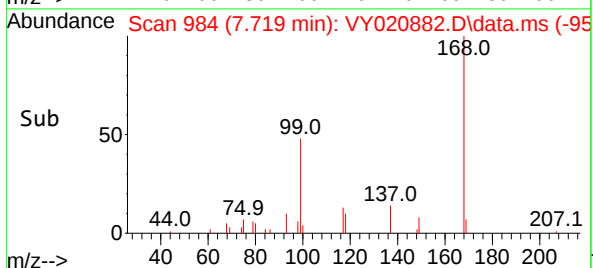
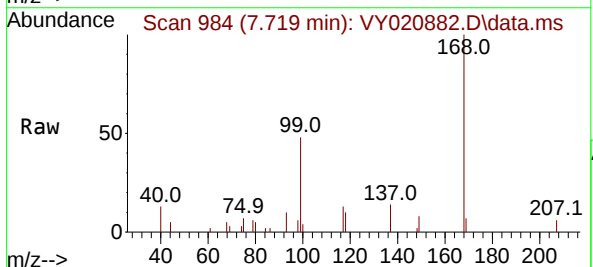
RT: 7.719 min Scan# 984

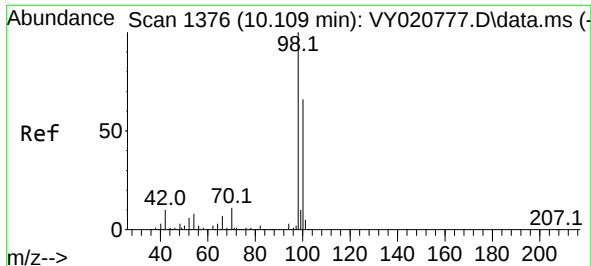
Delta R.T. -0.104 min

Lab File: VY020882.D

Acq: 20 Jan 2025 15:48

Tgt Ion: 117	Resp: 593
Ion Ratio	Lower Upper
117	100
119	0.0 76.5 114.7#
121	0.0 24.3 36.5#

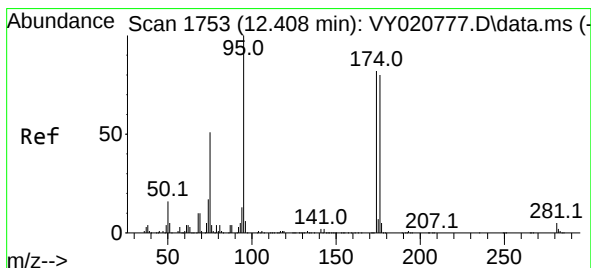
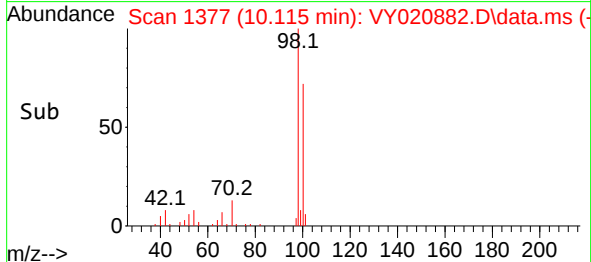
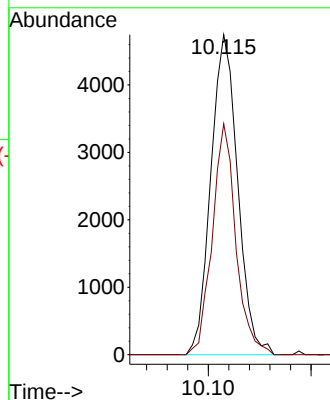
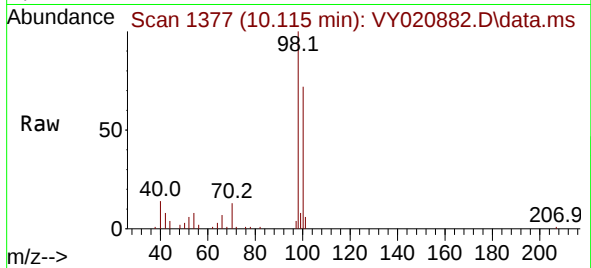




#50
Toluene-d8
Concen: 39.351 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020882.D
Acq: 20 Jan 2025 15:48

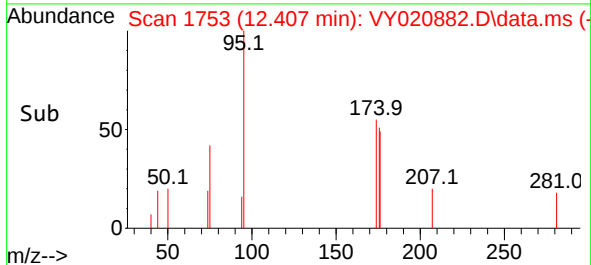
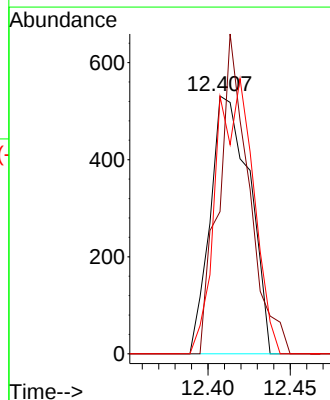
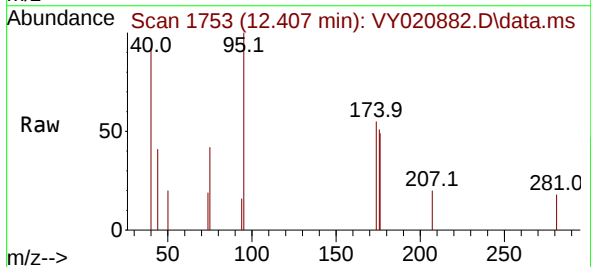
Instrument :
MSVOA_Y
ClientSampleId :

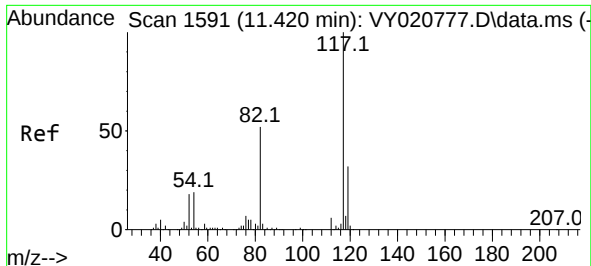
Tgt Ion: 98 Resp: 8582
Ion Ratio Lower Upper
98 100
100 63.5 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 10.939 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY020882.D
Acq: 20 Jan 2025 15:48

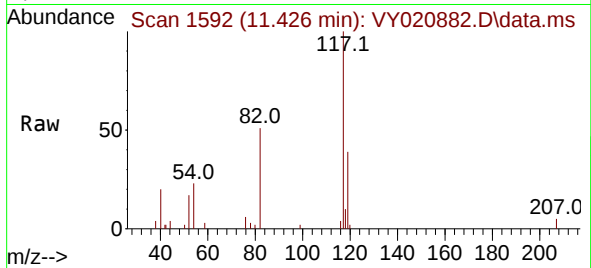
Tgt Ion: 95 Resp: 881
Ion Ratio Lower Upper
95 100
174 95.5 0.0 178.0
176 101.4 0.0 172.0



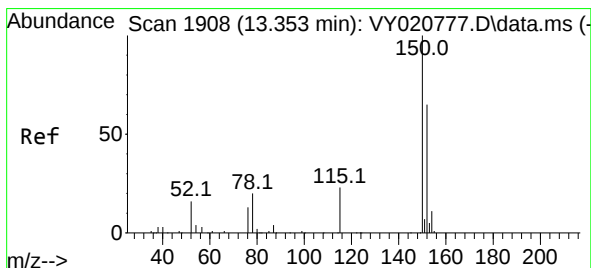
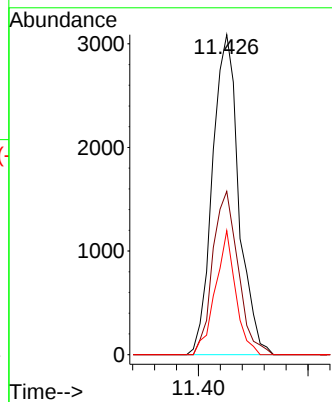
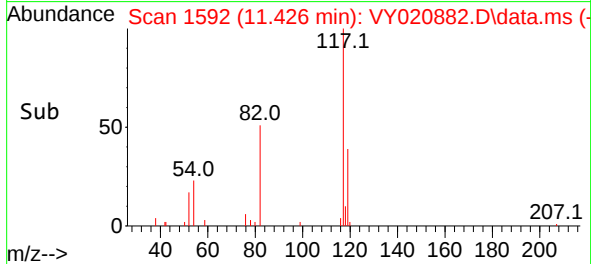


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020882.D
Acq: 20 Jan 2025 15:48

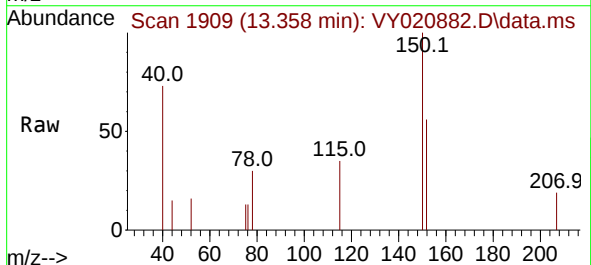
Instrument :
MSVOA_Y
ClientSampleId :



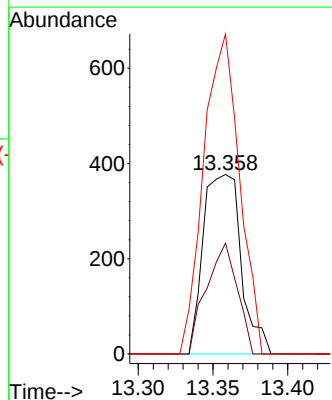
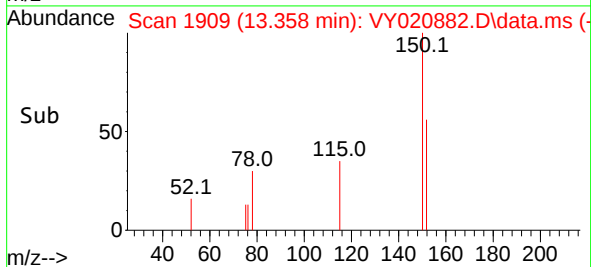
Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.1	41.8	62.6
119	38.8	25.8	38.8

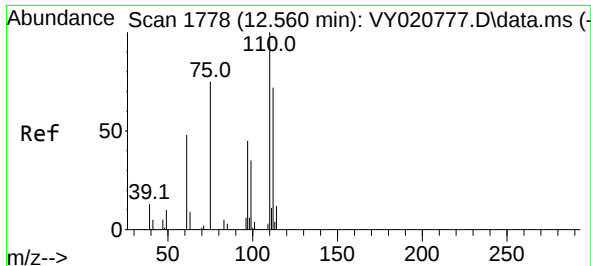


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.358 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY020882.D
Acq: 20 Jan 2025 15:48



Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.4	29.0	87.0
150	168.3	0.0	347.4

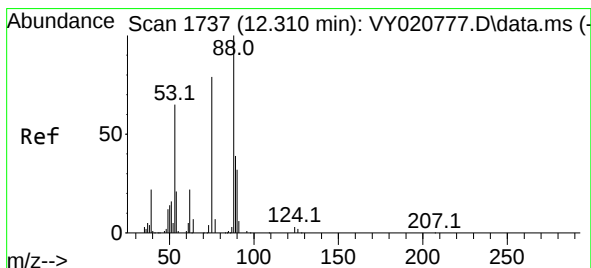
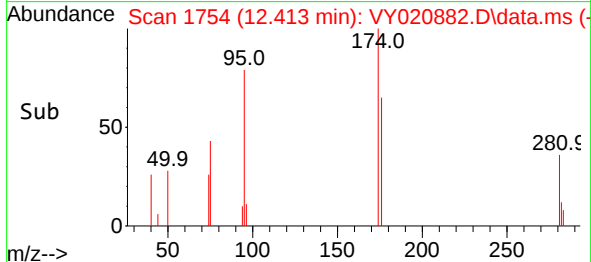
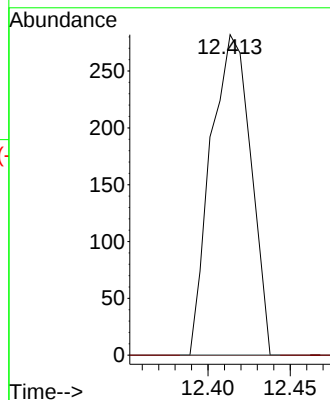
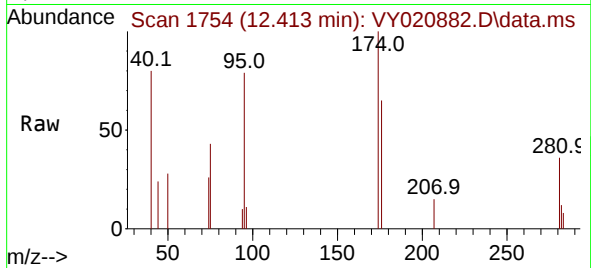




#76
1,2,3-Trichloropropane
Concen: 82.150 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. -0.147 min
Lab File: VY020882.D
Acq: 20 Jan 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 478
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 173.217 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. 0.103 min
Lab File: VY020882.D
Acq: 20 Jan 2025 15:48

Tgt Ion: 75 Resp: 478
Ion Ratio Lower Upper
75 100
53 0.0 69.4 104.0#
89 0.0 39.6 59.4#

