

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022925.D
 Acq On : 02 Jul 2025 20:14
 Operator : SY/MD
 Sample : Q2487-05
 Misc : 5.52g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G2(2.5)

Quant Time: Jul 03 02:28:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

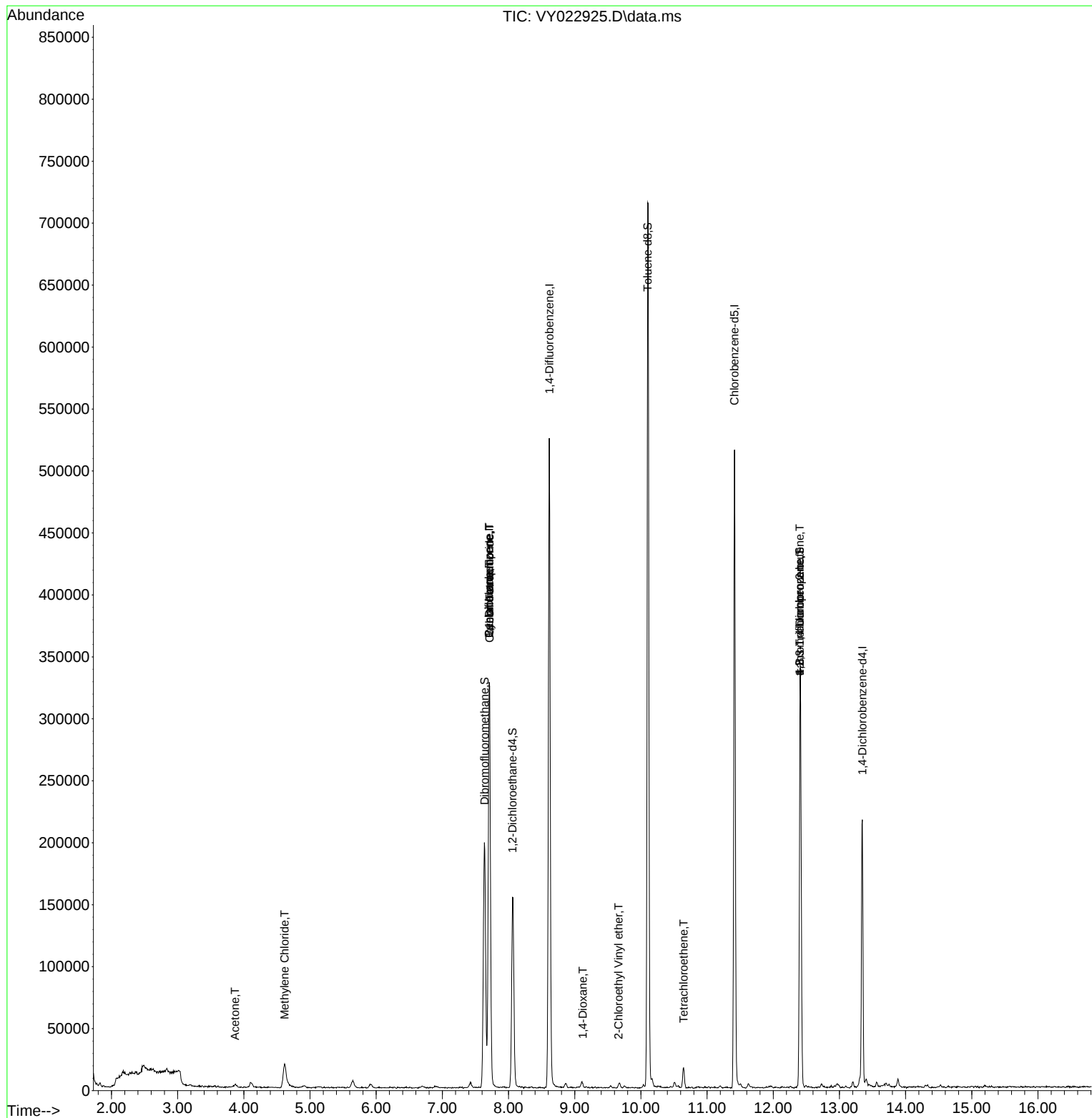
Internal Standards						
1) Pentafluorobenzene	7.707	168	250233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	421989	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	262343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	52246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	124281	44.500	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.000%		
35) Dibromofluoromethane	7.640	113	141611	55.180	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	110.360%		
50) Toluene-d8	10.103	98	468528	46.008	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.020%		
62) 4-Bromofluorobenzene	12.402	95	74808	22.851	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	45.700%		
Target Compounds						Qvalue
16) Acetone	3.867	43	3505	6.640	ug/l	90
20) Methylene Chloride	4.616	84	13512	4.053	ug/l	98
31) Cyclohexane	7.707	56	6797	1.417	ug/l #	16
36) 1,1-Dichloropropene	7.707	75	21729	5.586	ug/l #	50
38) Carbon Tetrachloride	7.713	117	25657	6.251	ug/l #	17
49) 1,4-Dioxane	9.122	88	23	1.225	ug/l #	24
58) 2-Chloroethyl Vinyl ether	9.664	63	19	15.667	ug/l #	48
64) Tetrachloroethene	10.646	164	2603	1.050	ug/l	93
76) 1,2,3-Trichloropropane	12.402	75	43573	81.691	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	43573	206.384	ug/l #	11

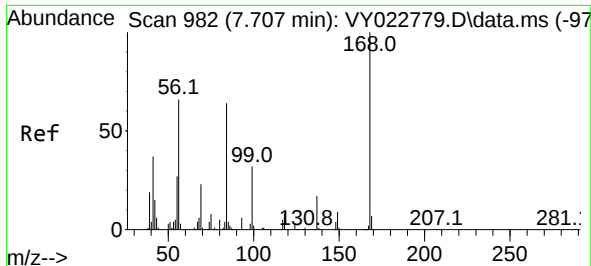
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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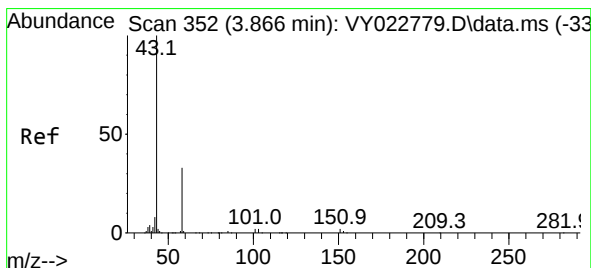
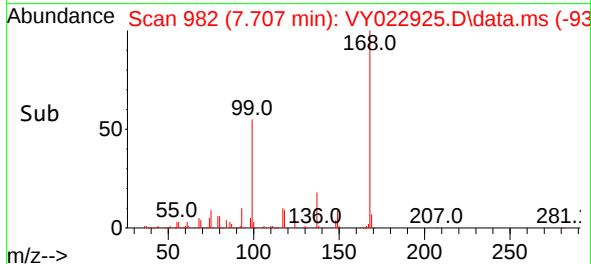
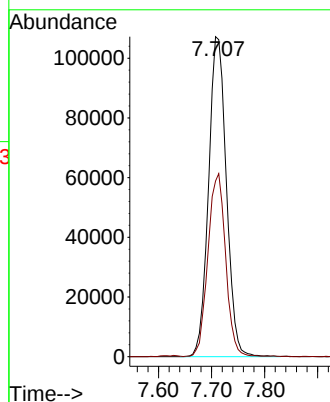
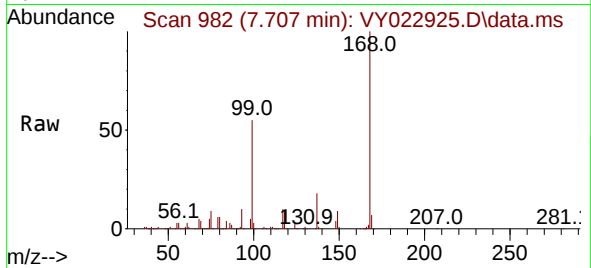




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022925.D
Acq: 02 Jul 2025 20:14

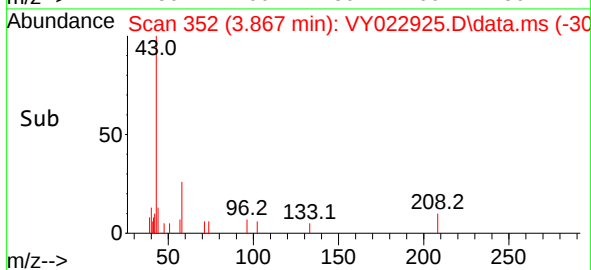
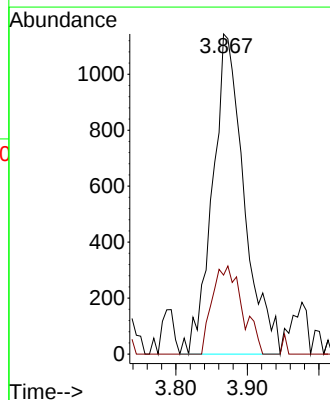
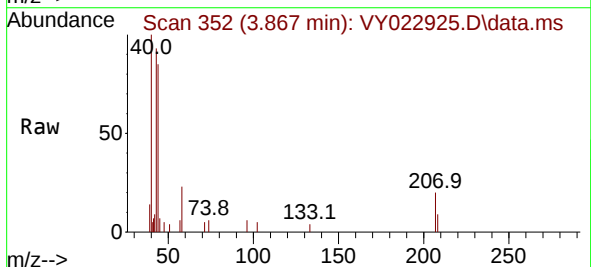
Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)

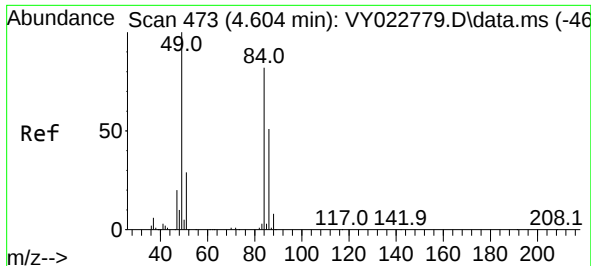
Tgt Ion:168 Resp: 250233
Ion Ratio Lower Upper
168 100
99 54.8 44.3 66.5



#16
Acetone
Concen: 6.640 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022925.D
Acq: 02 Jul 2025 20:14

Tgt Ion: 43 Resp: 3505
Ion Ratio Lower Upper
43 100
58 24.7 24.0 36.0

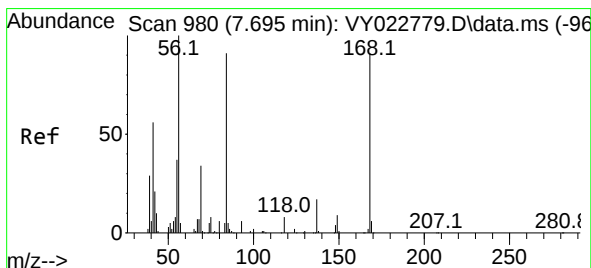
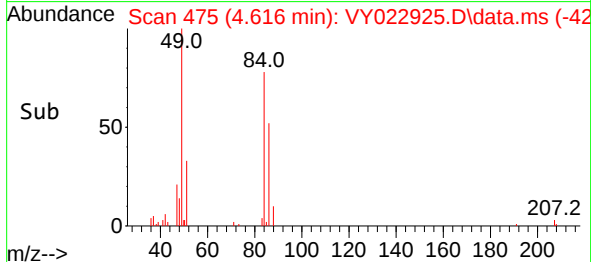
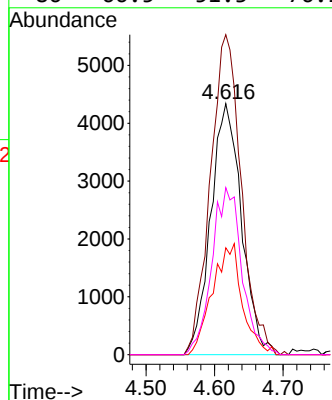
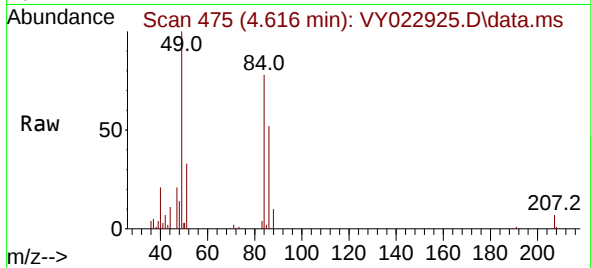




#20
Methylene Chloride
Concen: 4.053 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022925.D
Acq: 02 Jul 2025 20:14

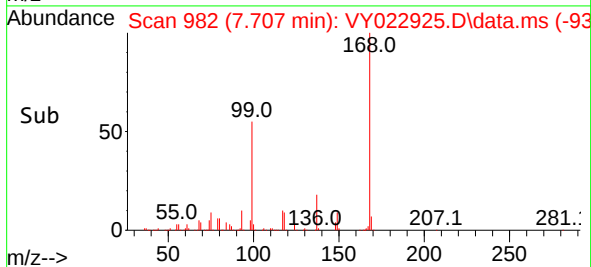
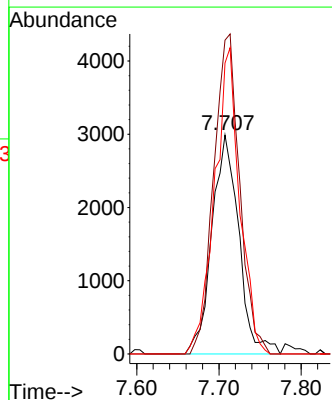
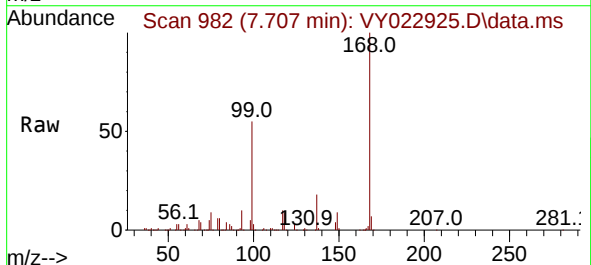
Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)

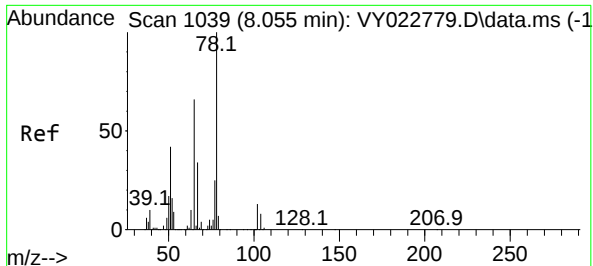
Tgt Ion:	84	Resp:	13512
Ion	Ratio	Lower	Upper
84	100		
49	127.4	101.9	152.9
51	42.6	29.8	44.8
86	66.5	51.3	76.9



#31
Cyclohexane
Concen: 1.417 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022925.D
Acq: 02 Jul 2025 20:14

Tgt Ion:	56	Resp:	6797
Ion	Ratio	Lower	Upper
56	100		
69	143.3	27.0	40.6#
84	132.9	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 44.500 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022925.D

Acq: 02 Jul 2025 20:14

Instrument :

MSVOA_Y

ClientSampleId :

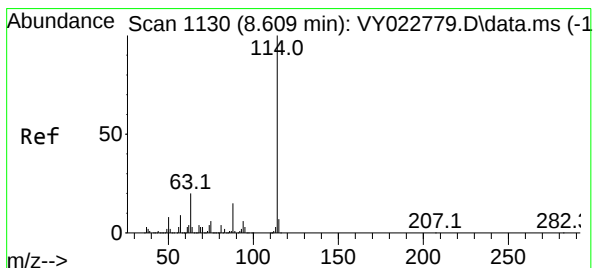
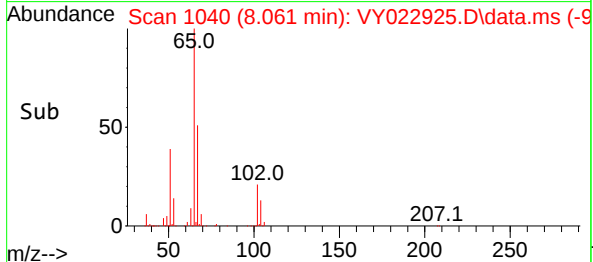
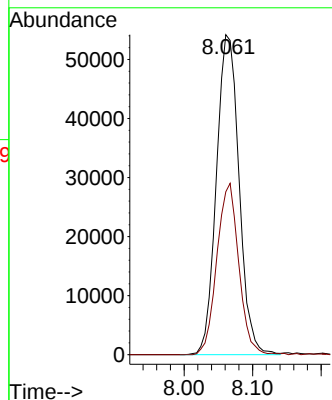
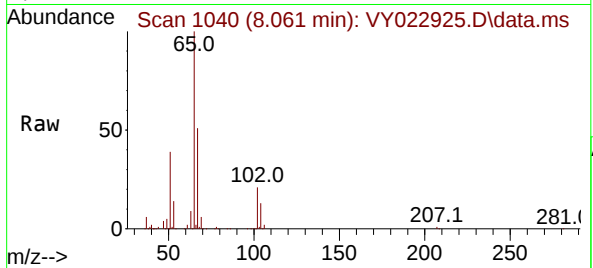
G2(2.5)

Tgt Ion: 65 Resp: 124281

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022925.D

Acq: 02 Jul 2025 20:14

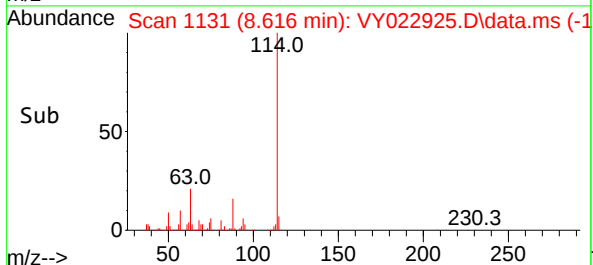
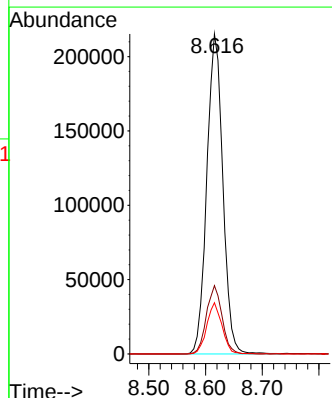
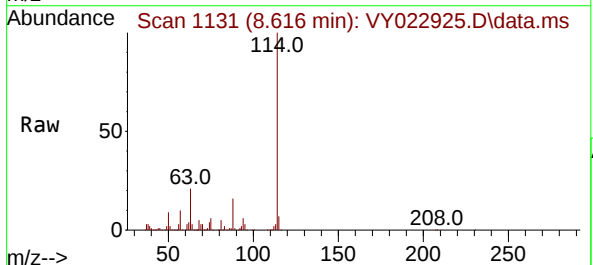
Tgt Ion: 114 Resp: 421989

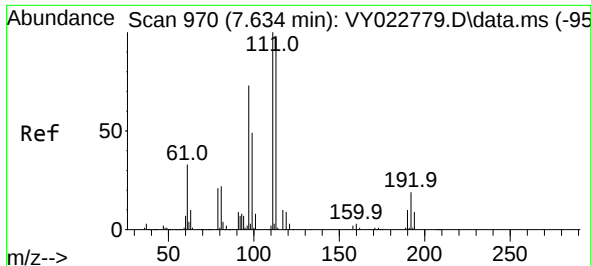
Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.8

88 16.0 0.0 27.8

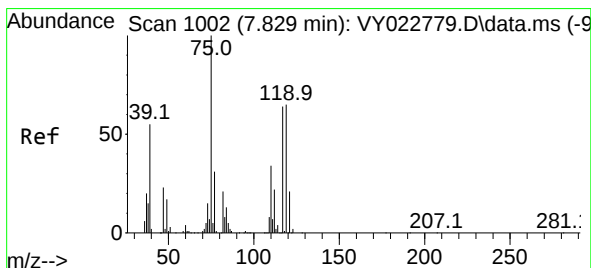
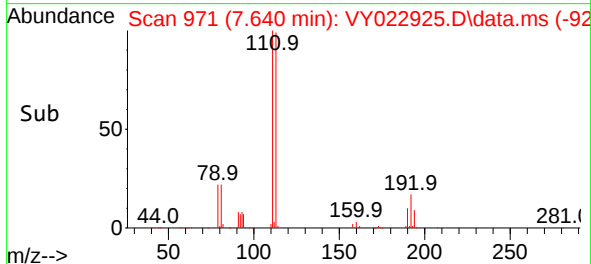
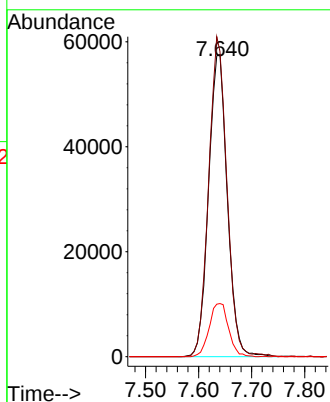
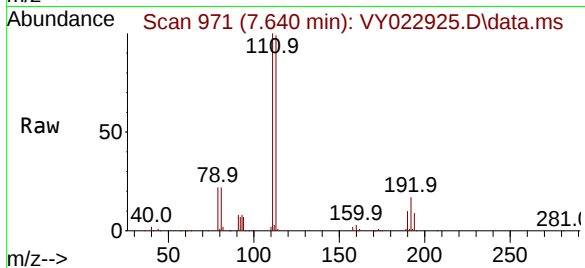




#35
Dibromofluoromethane
Concen: 55.180 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022925.D
Acq: 02 Jul 2025 20:14

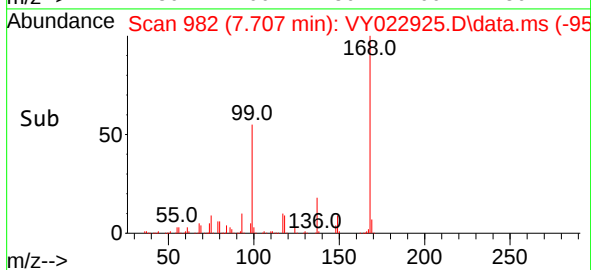
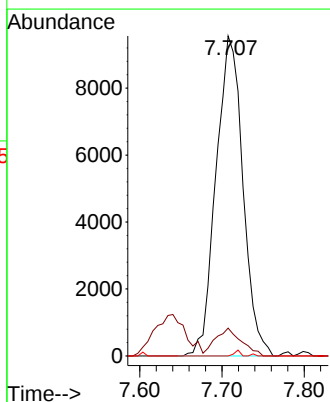
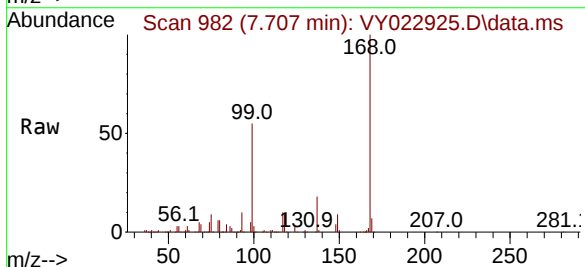
Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)

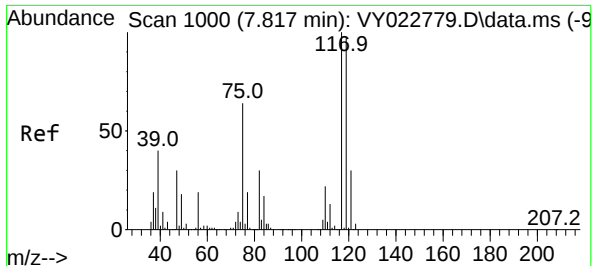
Tgt Ion:113 Resp: 141611
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 18.1 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.586 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022925.D
Acq: 02 Jul 2025 20:14

Tgt Ion: 75 Resp: 21729
Ion Ratio Lower Upper
75 100
110 8.3 16.9 50.7#
77 0.4 24.8 37.2#

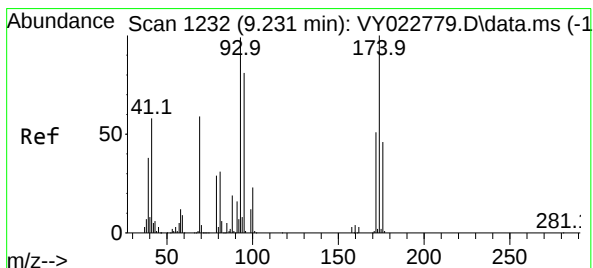
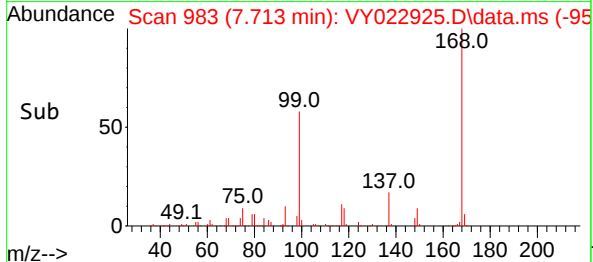
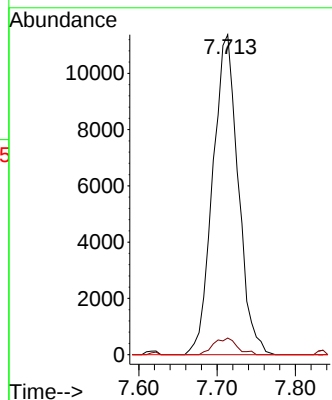
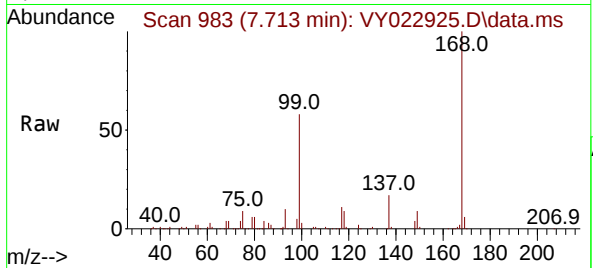




#38
Carbon Tetrachloride
Concen: 6.251 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022925.D
Acq: 02 Jul 2025 20:14

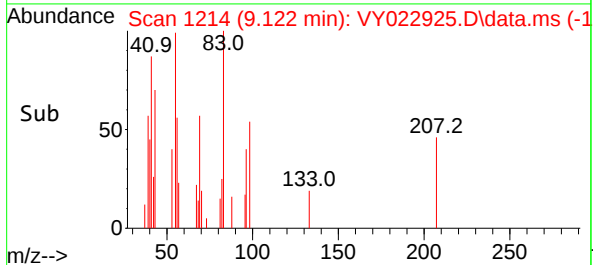
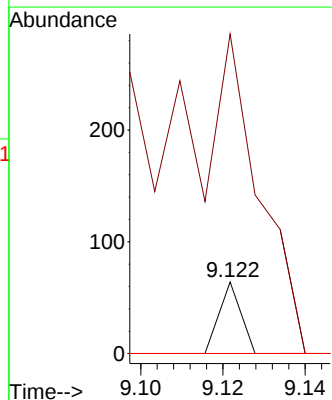
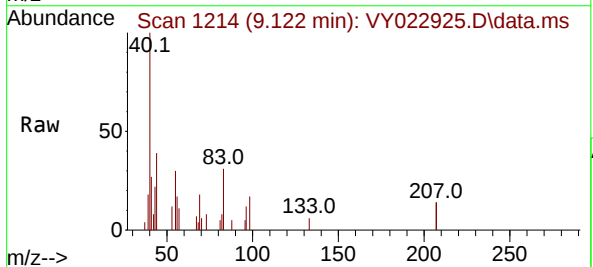
Instrument :
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ClientSampleId :
G2(2.5)

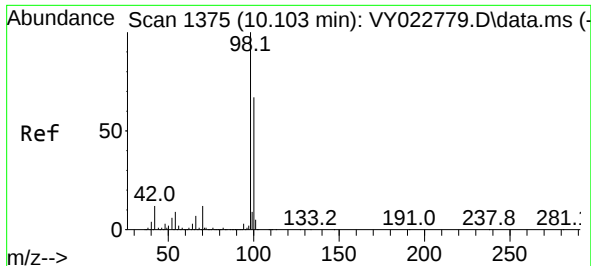
Tgt Ion:117 Resp: 25657
Ion Ratio Lower Upper
117 100
119 5.2 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.225 ug/l
RT: 9.122 min Scan# 1214
Delta R.T. -0.122 min
Lab File: VY022925.D
Acq: 02 Jul 2025 20:14

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 0.0 25.4 38.2#
58 0.0 54.9 82.3#

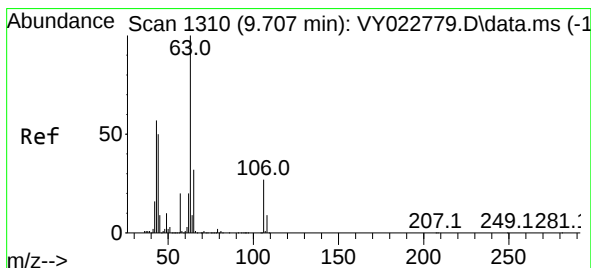
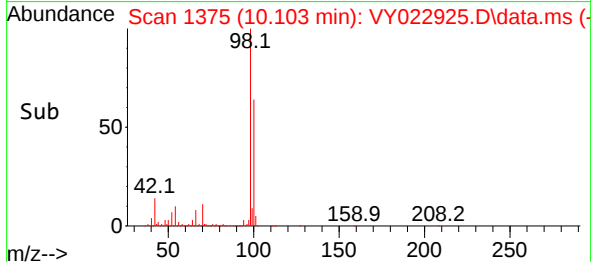
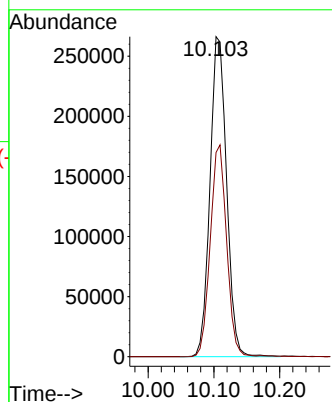
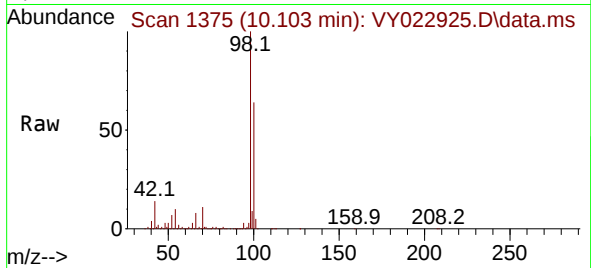




#50
Toluene-d8
Concen: 46.008 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022925.D
Acq: 02 Jul 2025 20:14

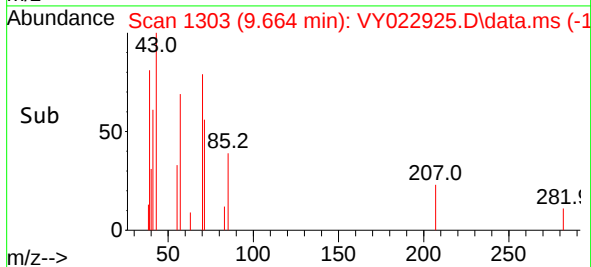
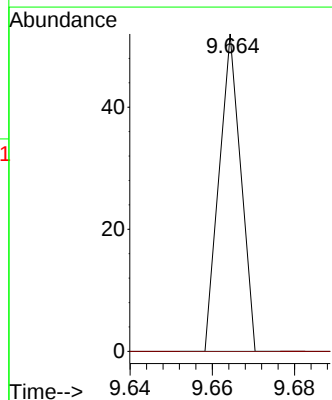
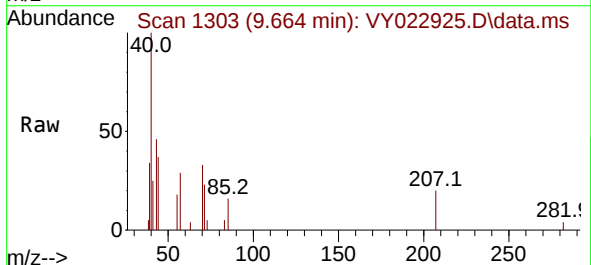
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G2(2.5)

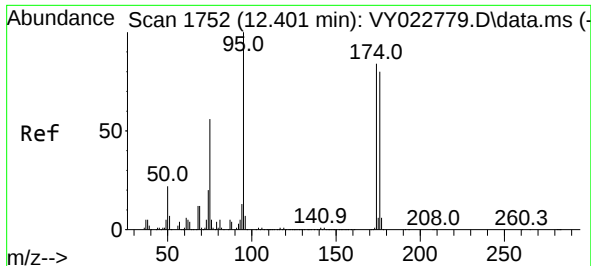
Tgt Ion: 98 Resp: 468528
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.667 ug/l
RT: 9.664 min Scan# 1303
Delta R.T. -0.049 min
Lab File: VY022925.D
Acq: 02 Jul 2025 20:14

Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

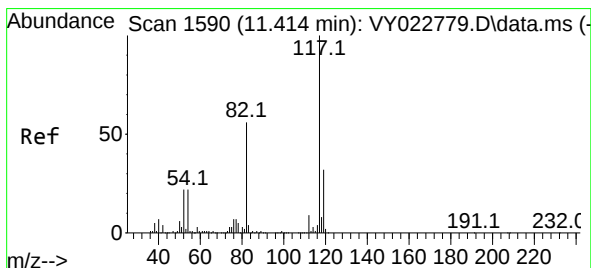
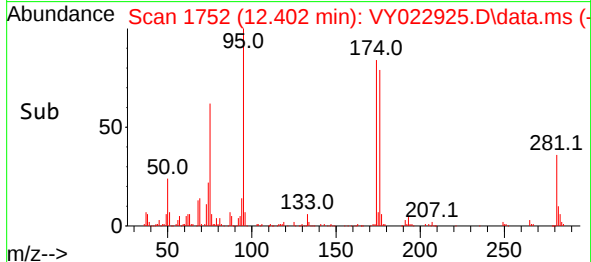
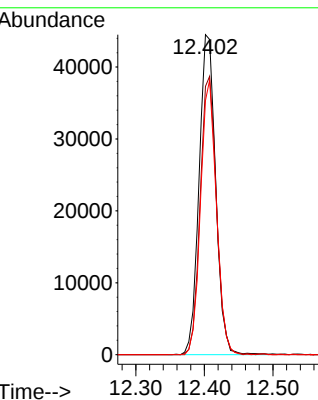
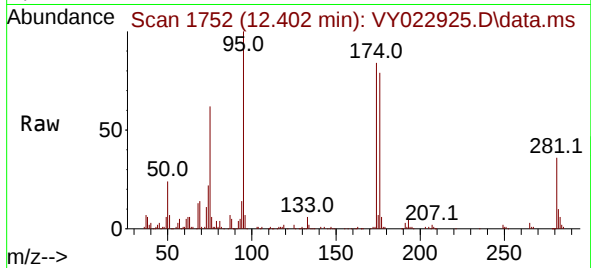




#62
4-Bromofluorobenzene
Concen: 22.851 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022925.D
Acq: 02 Jul 2025 20:14

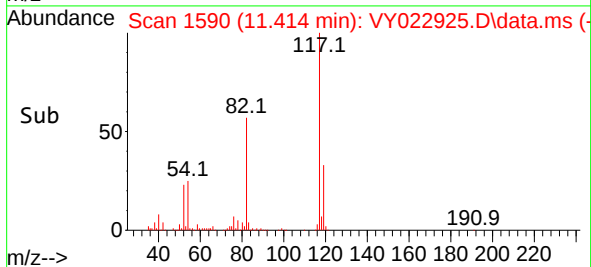
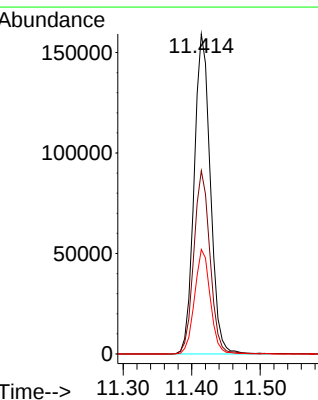
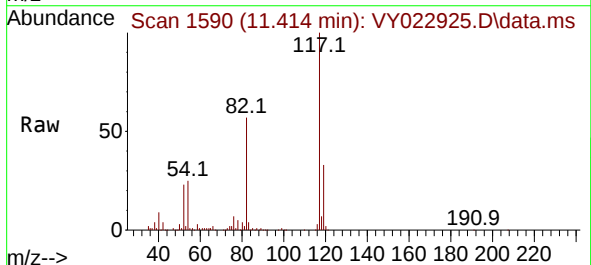
Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)

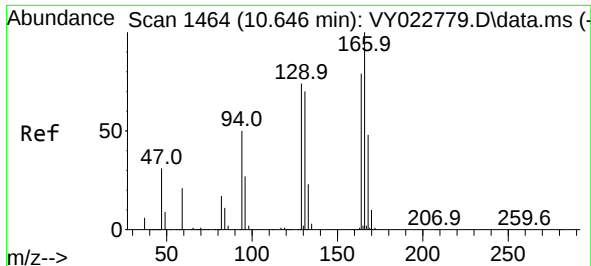
Tgt Ion: 95 Resp: 74808
Ion Ratio Lower Upper
95 100
174 85.3 0.0 170.0
176 81.8 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022925.D
Acq: 02 Jul 2025 20:14

Tgt Ion: 117 Resp: 262343
Ion Ratio Lower Upper
117 100
82 57.3 44.6 66.8
119 32.7 25.4 38.0

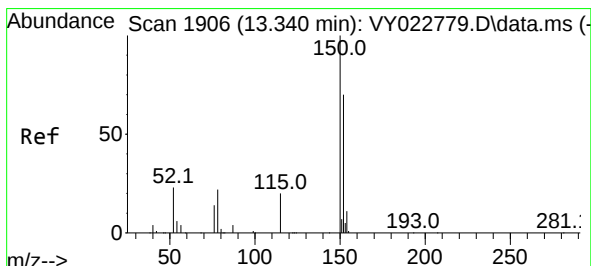
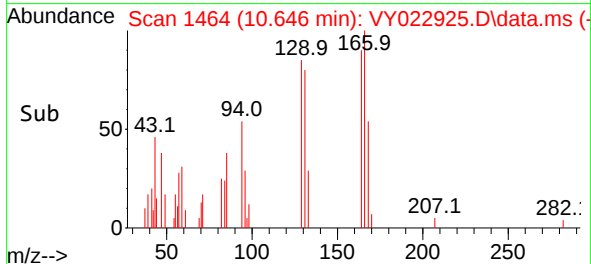
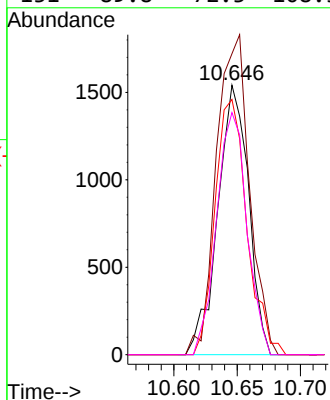
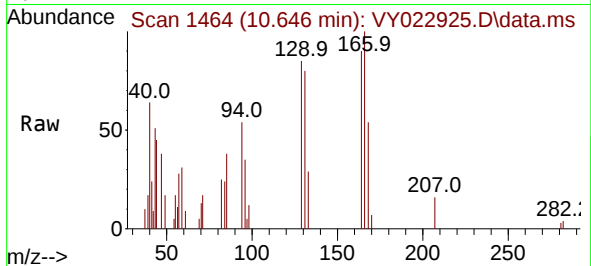




#64
Tetrachloroethene
Concen: 1.050 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022925.D
Acq: 02 Jul 2025 20:14

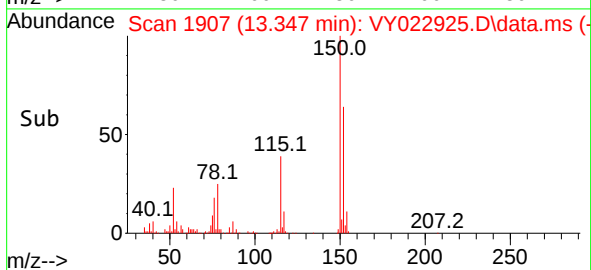
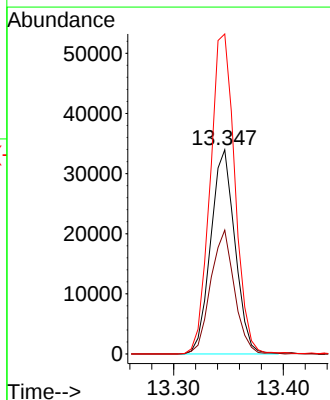
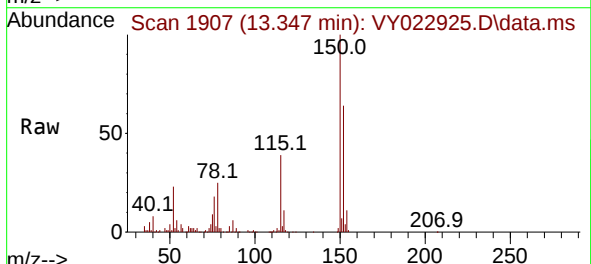
Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)

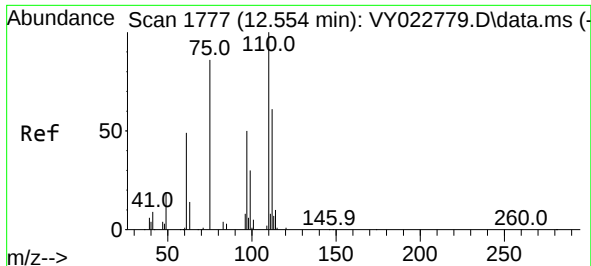
Tgt Ion:	164	Resp:	2603
Ion	Ratio	Lower	Upper
164	100		
166	111.7	104.0	156.0
129	94.7	74.5	111.7
131	89.8	72.3	108.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022925.D
Acq: 02 Jul 2025 20:14

Tgt Ion:	152	Resp:	52246
Ion	Ratio	Lower	Upper
152	100		
115	59.6	28.9	86.7
150	160.2	0.0	349.6

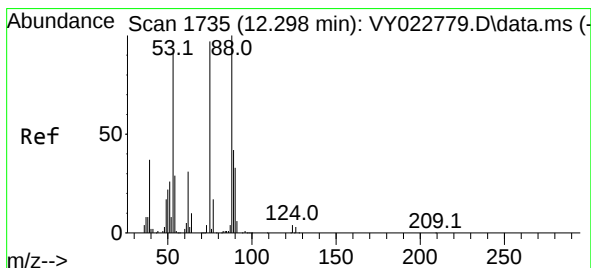
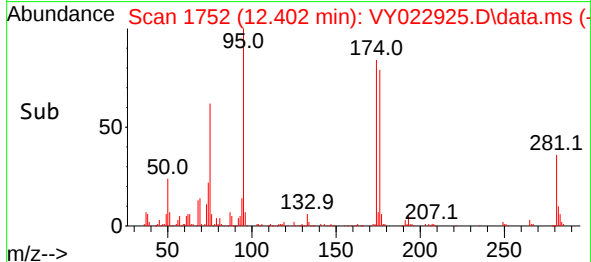
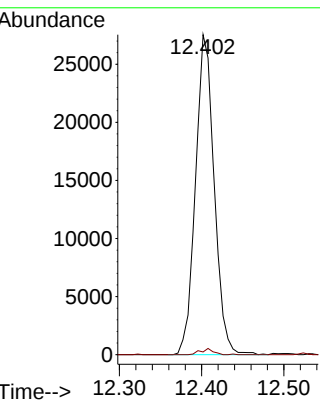
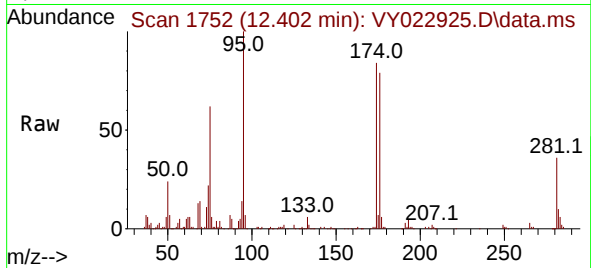




#76
1,2,3-Trichloropropane
Concen: 81.691 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022925.D
Acq: 02 Jul 2025 20:14

Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)

Tgt Ion: 75 Resp: 43573
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 206.384 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022925.D
Acq: 02 Jul 2025 20:14

Tgt Ion: 75 Resp: 43573
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.0 35.7 53.5#

