

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022941.D
 Acq On : 03 Jul 2025 14:36
 Operator : SY/MD
 Sample : Q2487-04
 Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G3(3)

Quant Time: Jul 07 08:22:30 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)

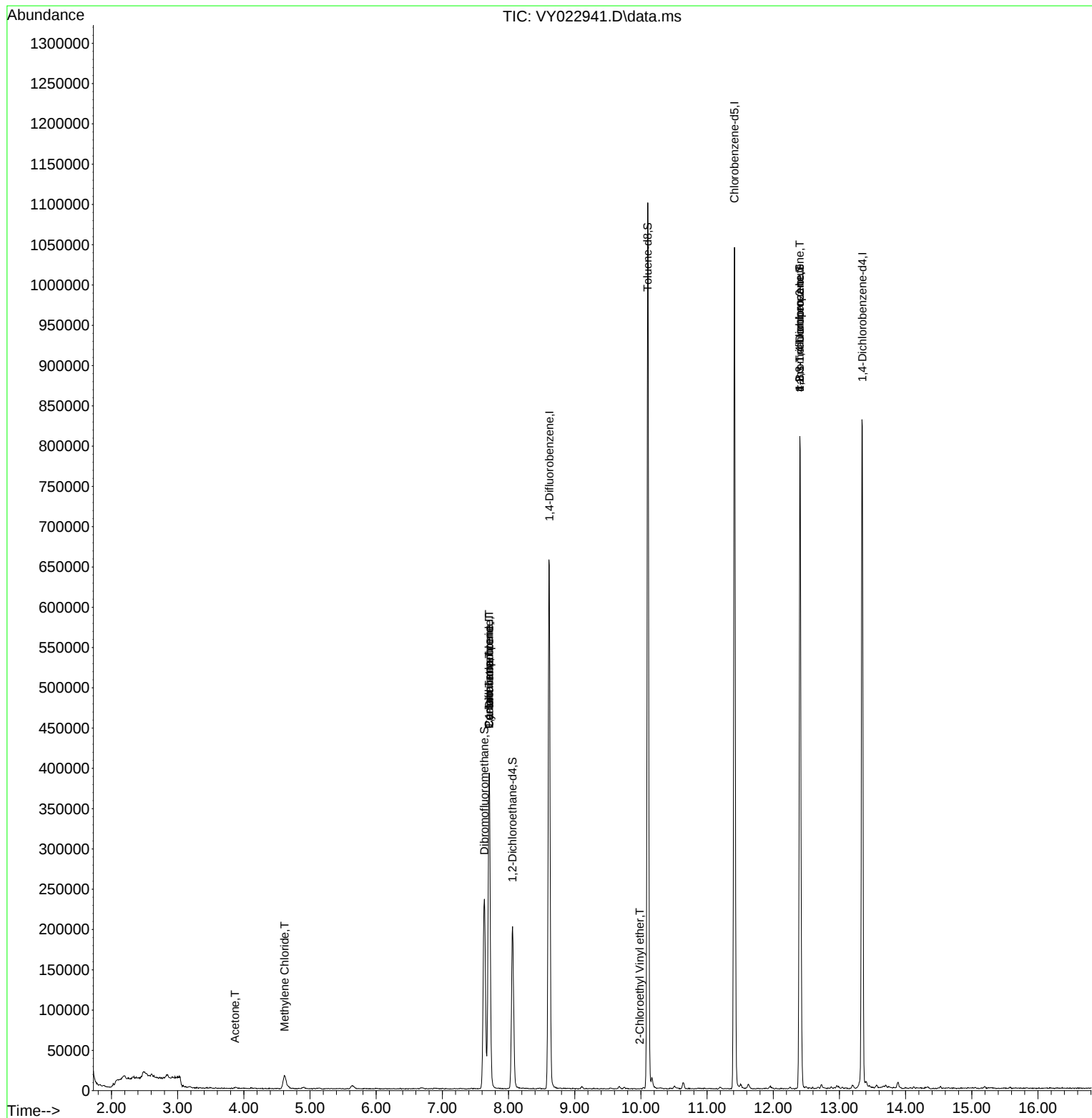
Internal Standards						
1) Pentafluorobenzene	7.707	168	293406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	553186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	524066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	206599	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	160756	49.090	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.180%
35) Dibromofluoromethane	7.634	113	170721	50.746	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.500%
50) Toluene-d8	10.103	98	674231	50.505	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.020%
62) 4-Bromofluorobenzene	12.402	95	218285	50.865	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.720%
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	2736	4.420	ug/l #	84
20) Methylene Chloride	4.616	84	11024	2.820	ug/l	91
31) Cyclohexane	7.707	56	7926	1.409	ug/l #	26
36) 1,1-Dichloropropene	7.707	75	25936	5.086	ug/l #	50
38) Carbon Tetrachloride	7.707	117	30377	5.646	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.981	63	50	15.680	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	125857	59.670	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	125857	150.751	ug/l #	11

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

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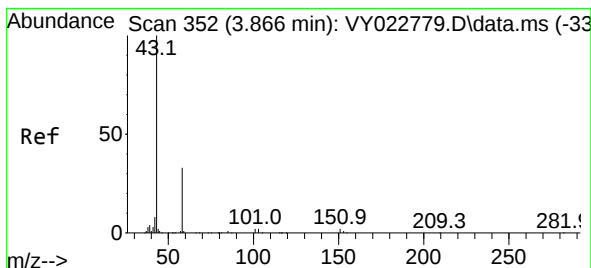
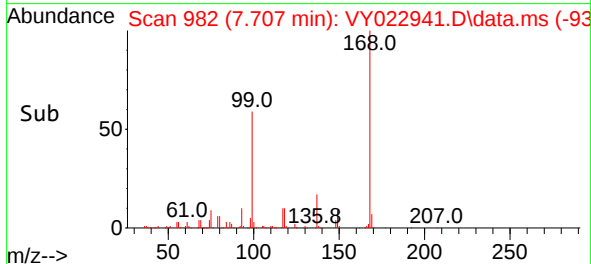
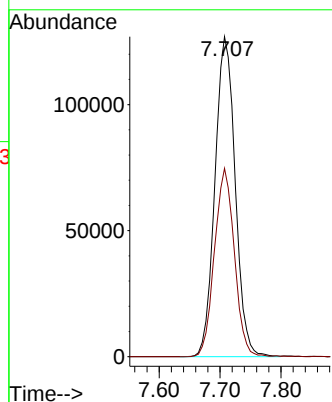
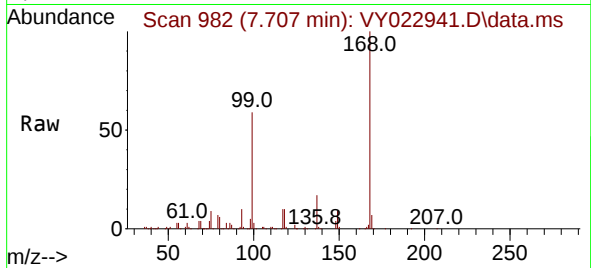




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022941.D
Acq: 03 Jul 2025 14:36

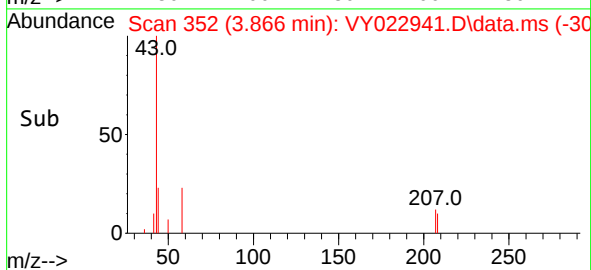
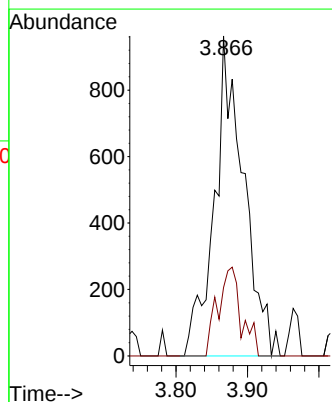
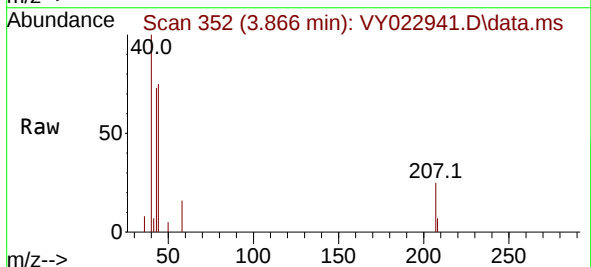
Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

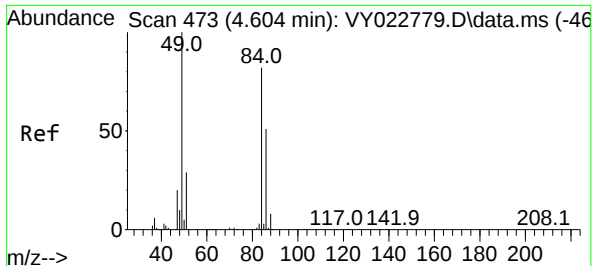
Tgt Ion:168 Resp: 293406
Ion Ratio Lower Upper
168 100
99 58.9 44.3 66.5



#16
Acetone
Concen: 4.420 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022941.D
Acq: 03 Jul 2025 14:36

Tgt Ion: 43 Resp: 2736
Ion Ratio Lower Upper
43 100
58 21.4 24.0 36.0#



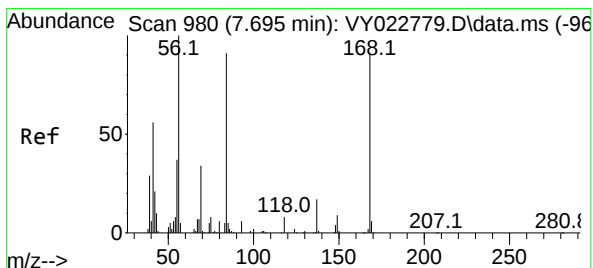
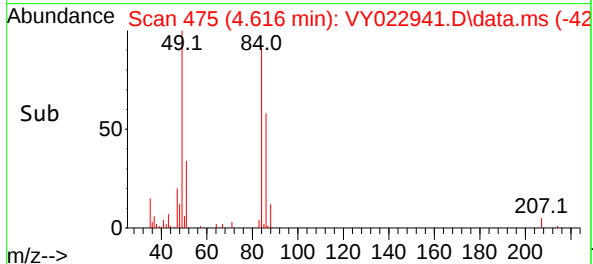
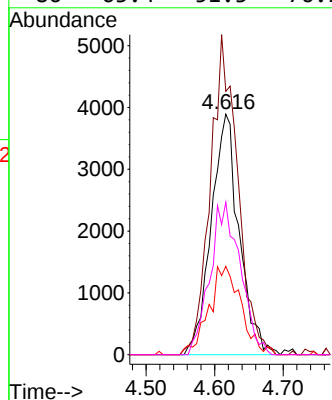
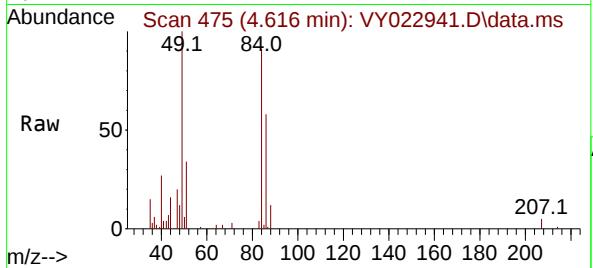


#20
Methylene Chloride
Concen: 2.820 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022941.D
Acq: 03 Jul 2025 14:36

Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

Tgt Ion: 84 Resp: 11024

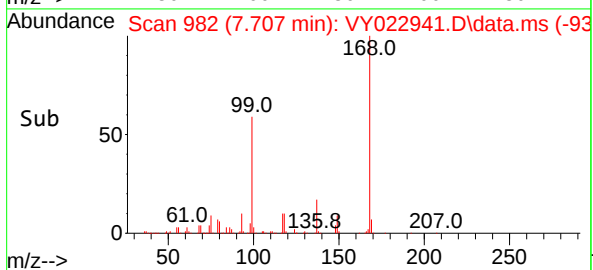
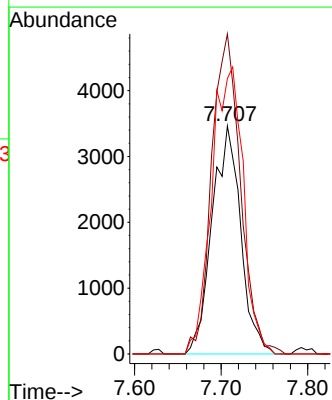
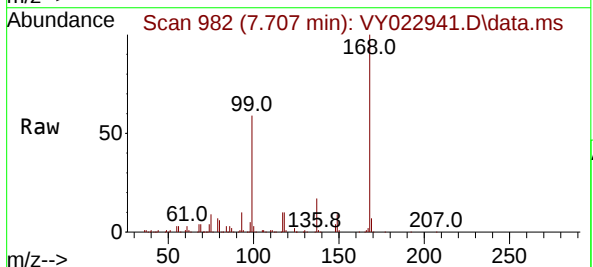
Ion	Ratio	Lower	Upper
84	100		
49	109.5	101.9	152.9
51	36.7	29.8	44.8
86	63.4	51.3	76.9

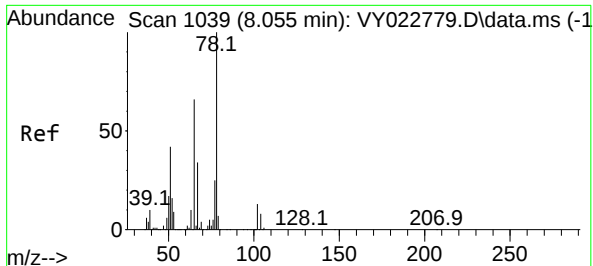


#31
Cyclohexane
Concen: 1.409 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022941.D
Acq: 03 Jul 2025 14:36

Tgt Ion: 56 Resp: 7926

Ion	Ratio	Lower	Upper
56	100		
69	140.3	27.0	40.6#
84	120.8	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 49.090 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022941.D

Acq: 03 Jul 2025 14:36

Instrument :

MSVOA_Y

ClientSampleId :

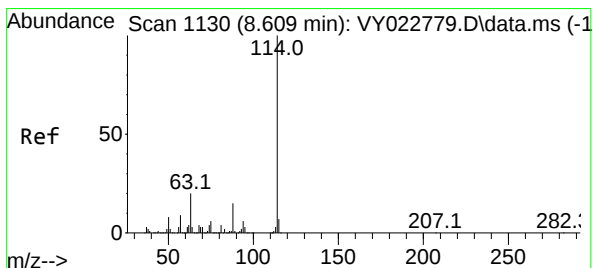
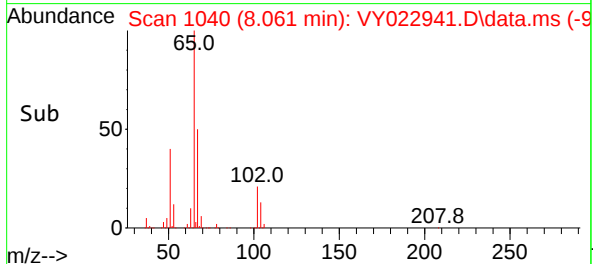
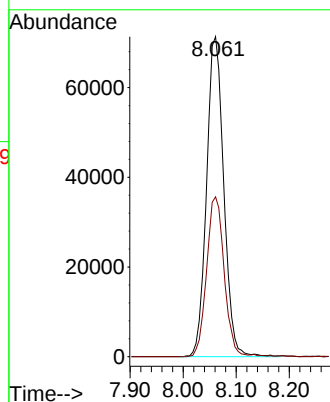
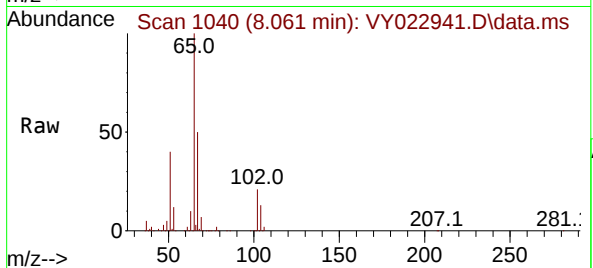
G3(3)

Tgt Ion: 65 Resp: 160756

Ion Ratio Lower Upper

65 100

67 51.2 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: VY022941.D

Acq: 03 Jul 2025 14:36

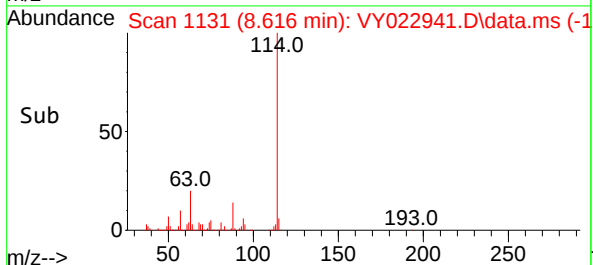
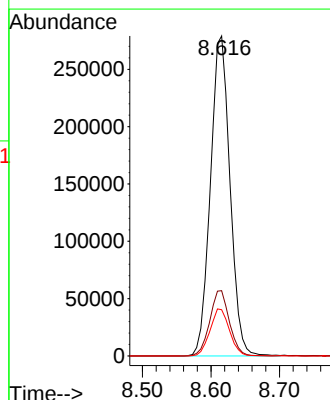
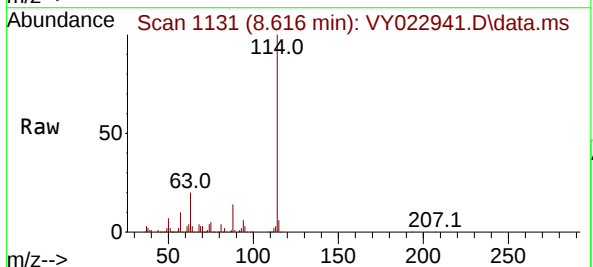
Tgt Ion:114 Resp: 553186

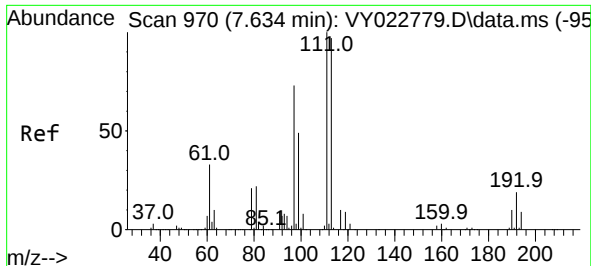
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 14.5 0.0 27.8

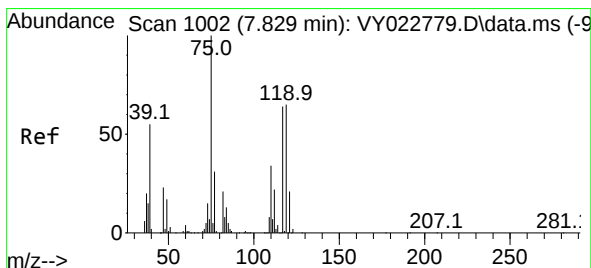
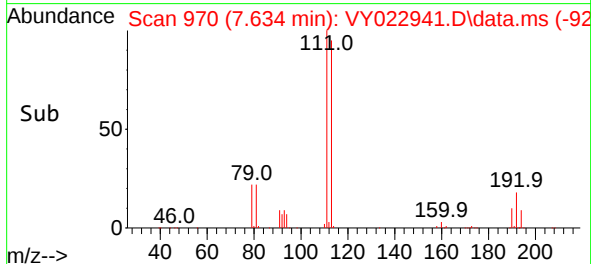
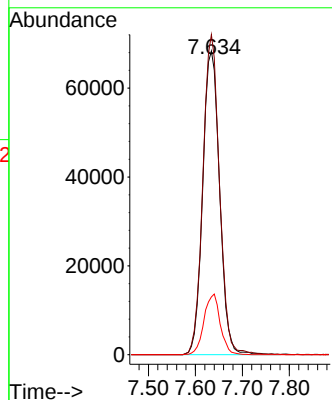
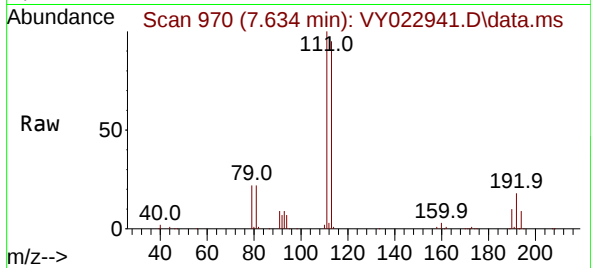




#35
Dibromofluoromethane
Concen: 50.746 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022941.D
Acq: 03 Jul 2025 14:36

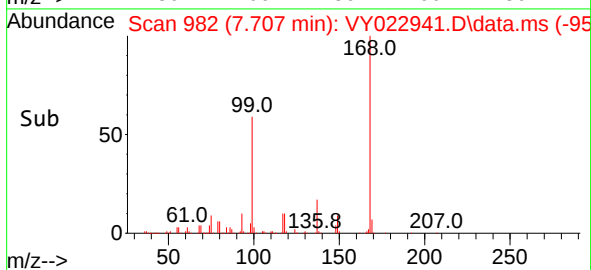
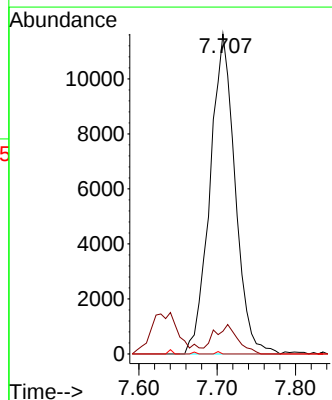
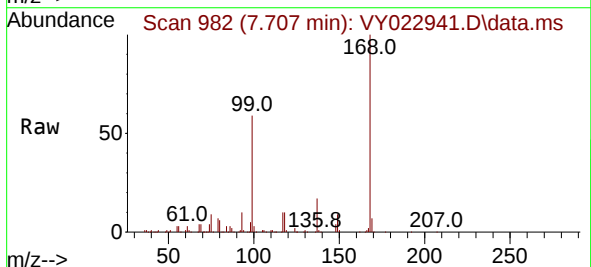
Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

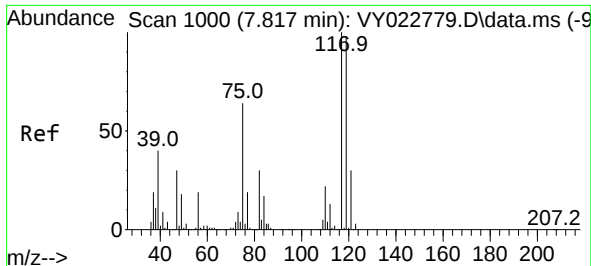
Tgt Ion:113 Resp: 170721
Ion Ratio Lower Upper
113 100
111 103.6 81.1 121.7
192 19.2 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.086 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022941.D
Acq: 03 Jul 2025 14:36

Tgt Ion: 75 Resp: 25936
Ion Ratio Lower Upper
75 100
110 8.6 16.9 50.7#
77 0.0 24.8 37.2#

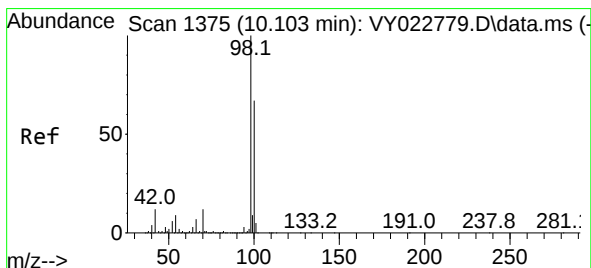
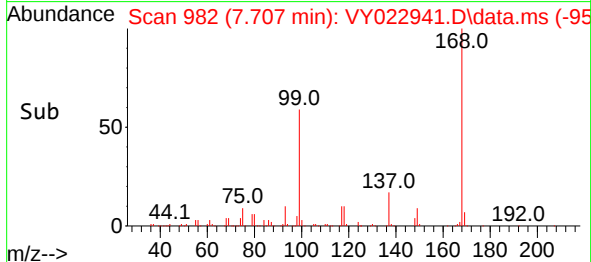
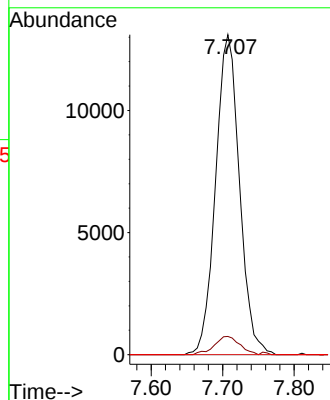
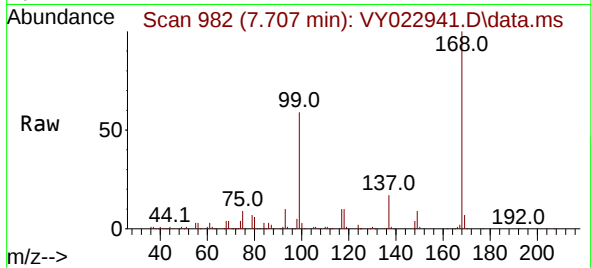




#38
Carbon Tetrachloride
Concen: 5.646 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022941.D
Acq: 03 Jul 2025 14:36

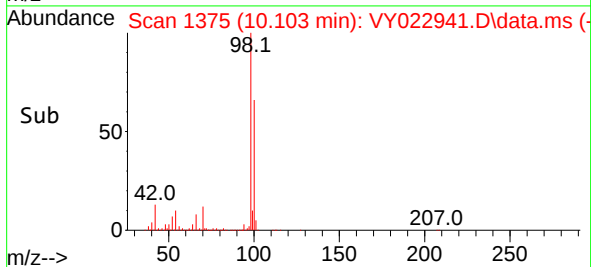
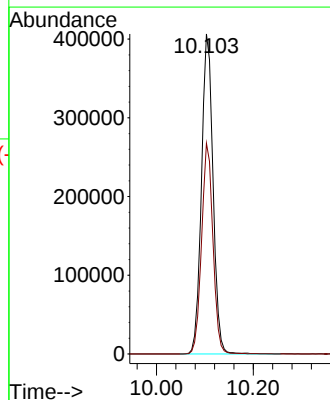
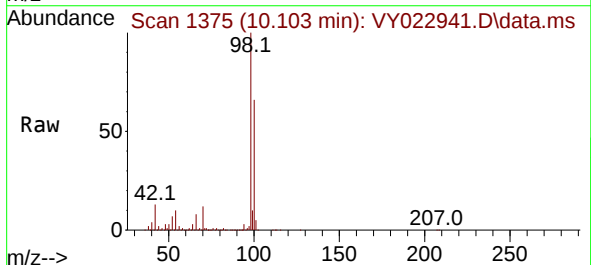
Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

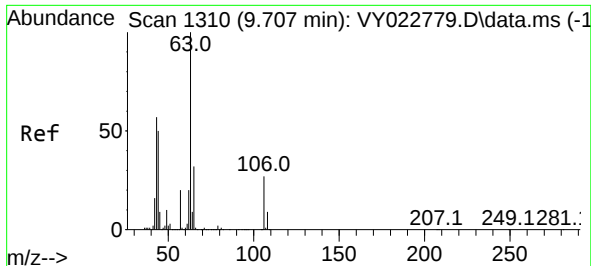
Tgt Ion:117 Resp: 30377
Ion Ratio Lower Upper
117 100
119 5.7 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.505 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022941.D
Acq: 03 Jul 2025 14:36

Tgt Ion: 98 Resp: 674231
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0

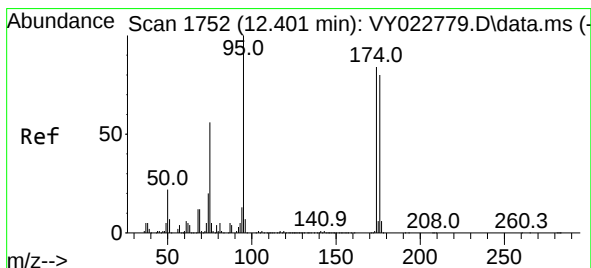
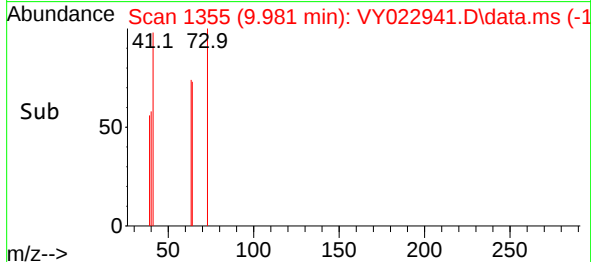
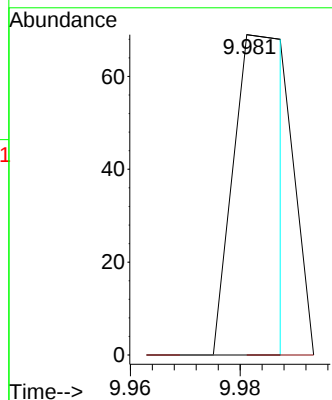
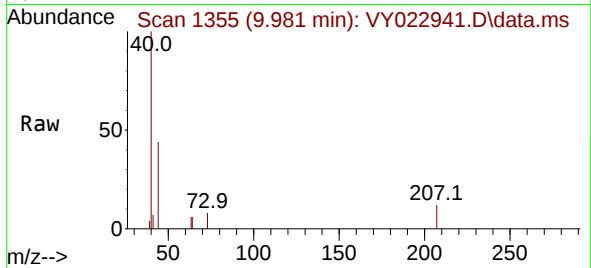




#58
2-Chloroethyl Vinyl ether
Concen: 15.680 ug/l
RT: 9.981 min Scan# 1310
Delta R.T. 0.268 min
Lab File: VY022941.D
Acq: 03 Jul 2025 14:36

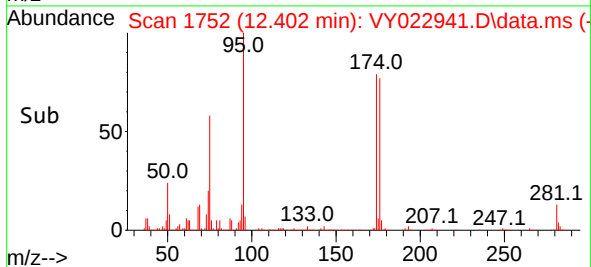
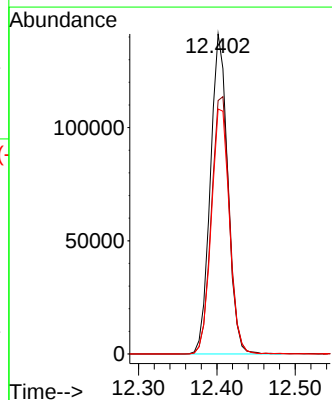
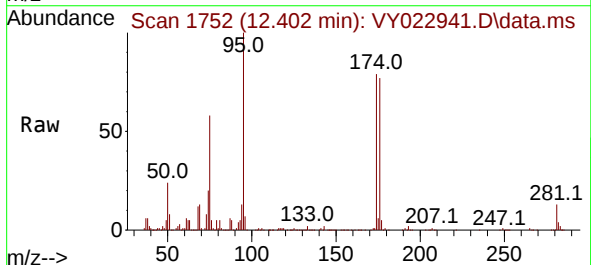
Instrument :
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ClientSampleId :
G3(3)

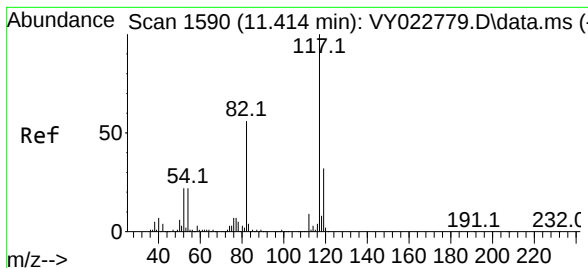
Tgt Ion: 63 Resp: 50
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 50.865 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022941.D
Acq: 03 Jul 2025 14:36

Tgt Ion: 95 Resp: 218285
Ion Ratio Lower Upper
95 100
174 84.0 0.0 170.0
176 79.7 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022941.D

Acq: 03 Jul 2025 14:36

Instrument :

MSVOA_Y

ClientSampleId :

G3(3)

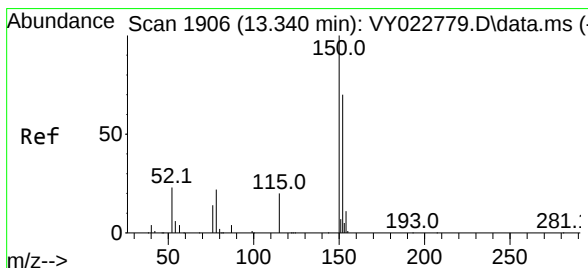
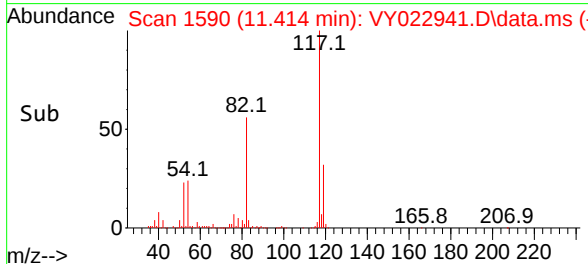
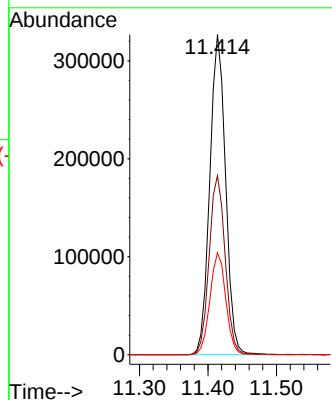
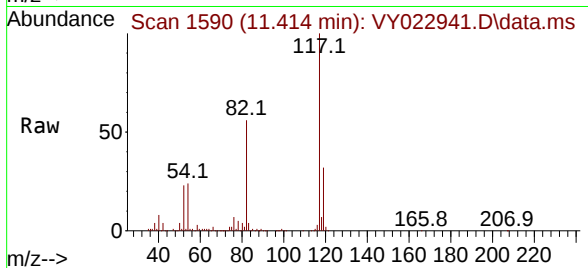
Tgt Ion:117 Resp: 524066

Ion Ratio Lower Upper

117 100

82 55.9 44.6 66.8

119 31.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022941.D

Acq: 03 Jul 2025 14:36

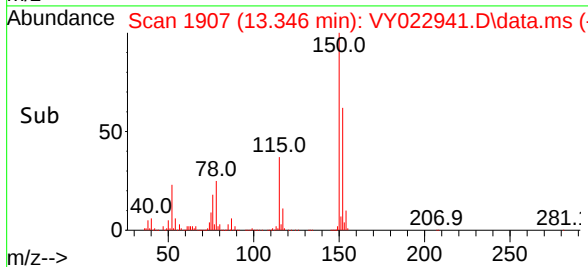
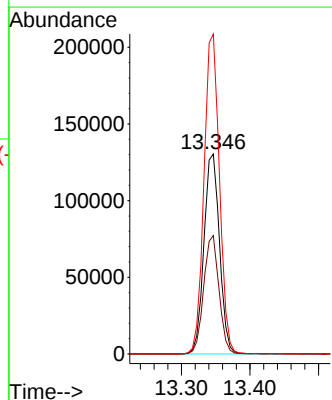
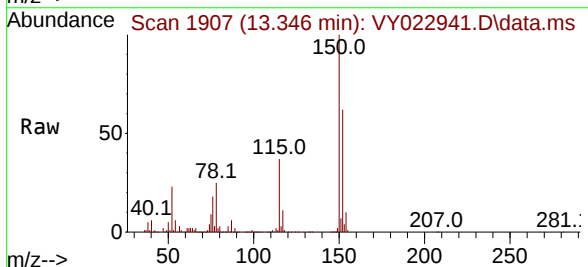
Tgt Ion:152 Resp: 206599

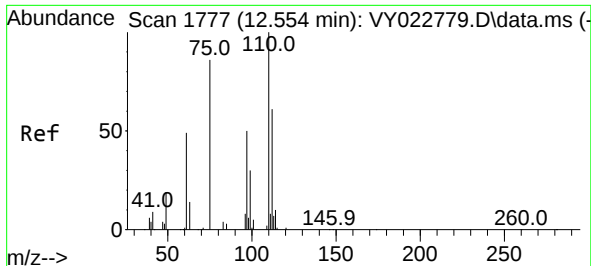
Ion Ratio Lower Upper

152 100

115 58.3 28.9 86.7

150 158.4 0.0 349.6

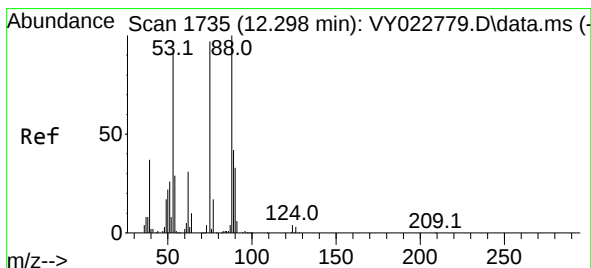
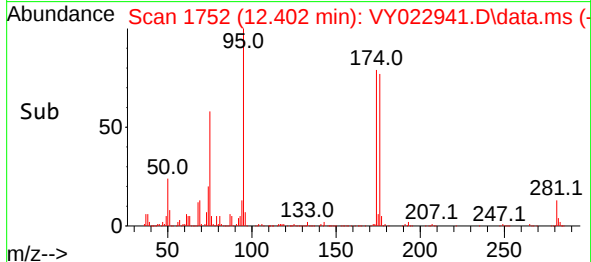
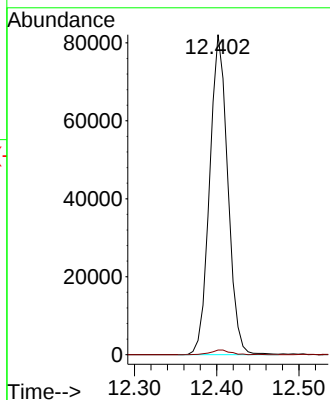
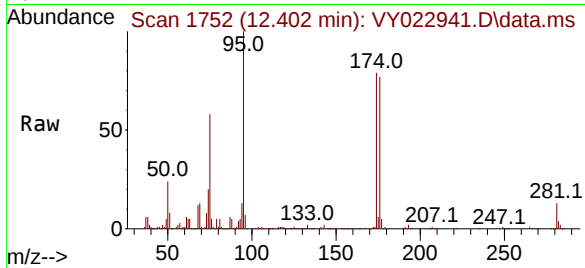




#76
1,2,3-Trichloropropane
Concen: 59.670 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022941.D
Acq: 03 Jul 2025 14:36

Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

Tgt Ion: 75 Resp: 125857
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 150.751 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022941.D
Acq: 03 Jul 2025 14:36

Tgt Ion: 75 Resp: 125857
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.5 35.7 53.5#

