

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022942.D
 Acq On : 03 Jul 2025 15:00
 Operator : SY/MD
 Sample : Q2487-05
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G2(2.5)RE

Quant Time: Jul 07 08:23:07 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)

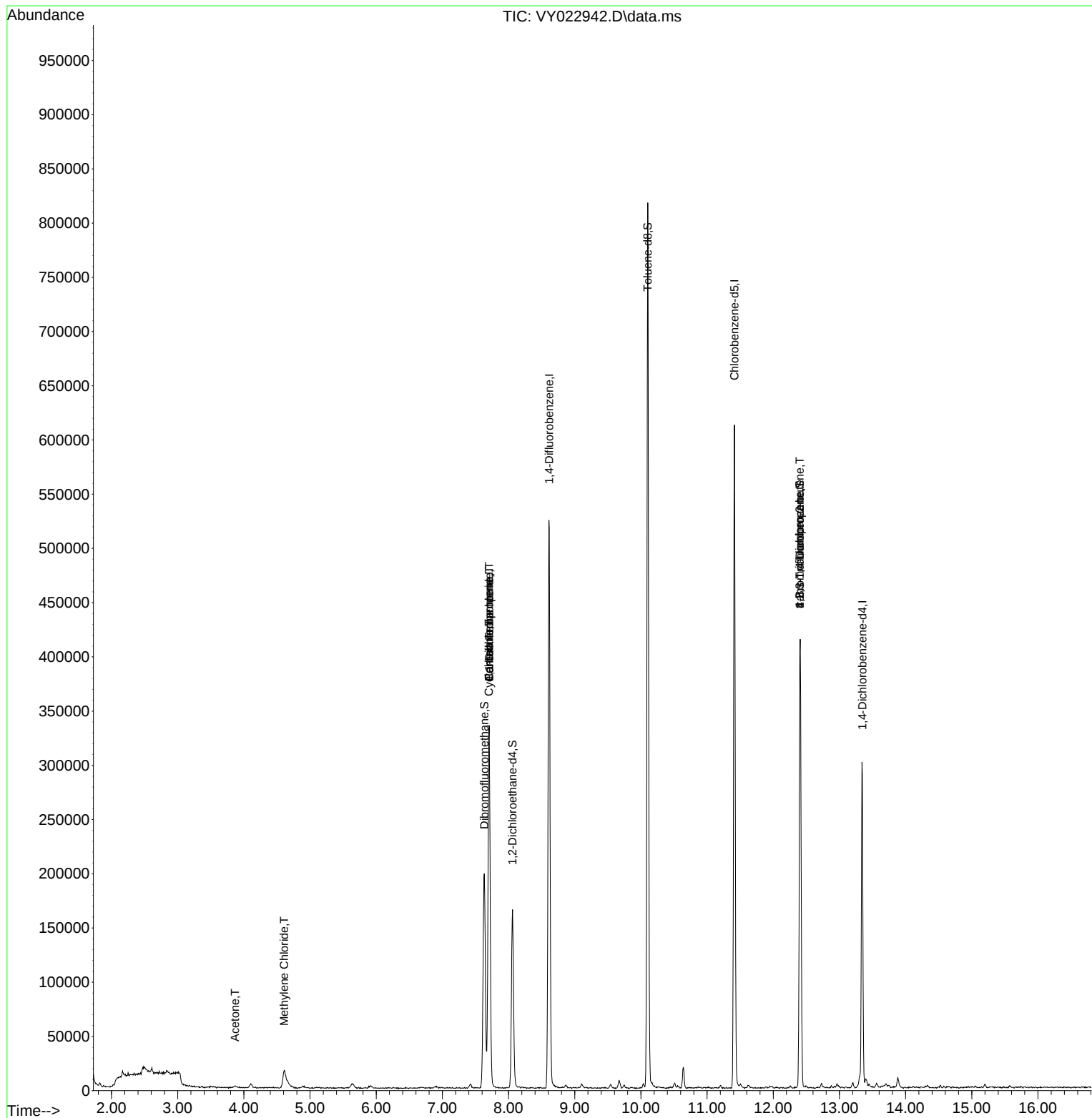
Internal Standards						
1) Pentafluorobenzene	7.707	168	247861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	437126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	308489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	72021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	127917	46.240	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.480%
35) Dibromofluoromethane	7.634	113	140708	52.930	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.860%
50) Toluene-d8	10.103	98	509346	48.284	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.560%
62) 4-Bromofluorobenzene	12.401	95	98294	28.986	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	57.980%
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	2881	5.510	ug/l	96
20) Methylene Chloride	4.610	84	11118	3.367	ug/l	85
31) Cyclohexane	7.701	56	6855	1.443	ug/l #	31
36) 1,1-Dichloropropene	7.707	75	22067	5.476	ug/l #	50
38) Carbon Tetrachloride	7.707	117	26590	6.254	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	56396	76.701	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	56396	193.776	ug/l #	11

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

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G2(2.5)RE

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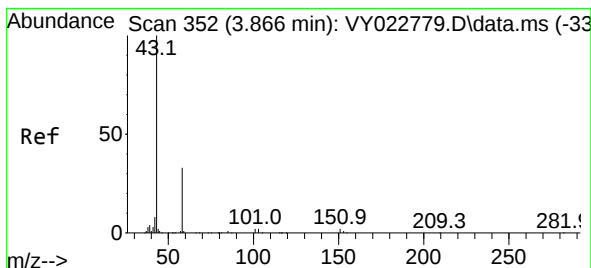
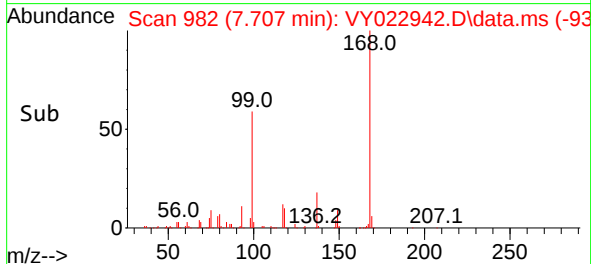
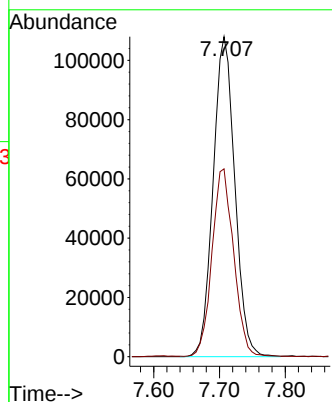
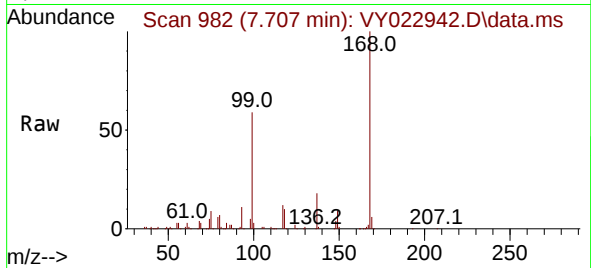




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022942.D
Acq: 03 Jul 2025 15:00

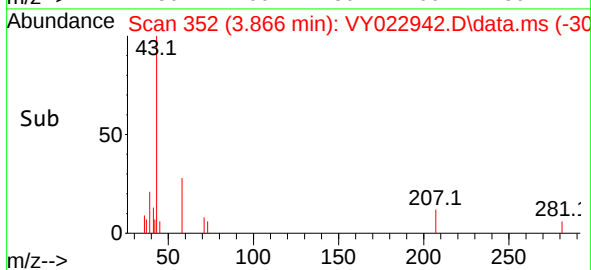
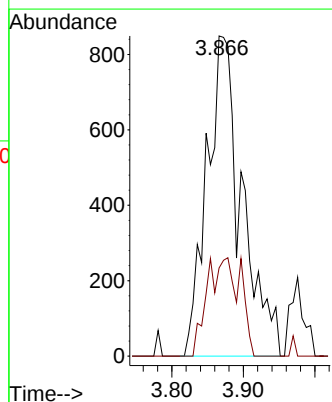
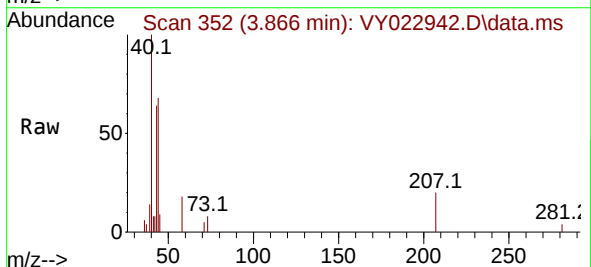
Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)RE

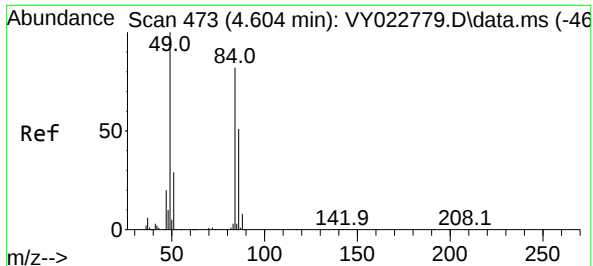
Tgt Ion:168 Resp: 247861
Ion Ratio Lower Upper
168 100
99 58.6 44.3 66.5



#16
Acetone
Concen: 5.510 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022942.D
Acq: 03 Jul 2025 15:00

Tgt Ion: 43 Resp: 2881
Ion Ratio Lower Upper
43 100
58 27.6 24.0 36.0

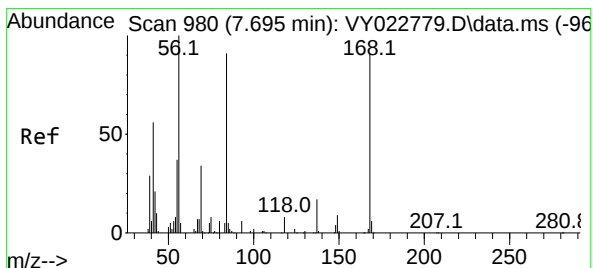
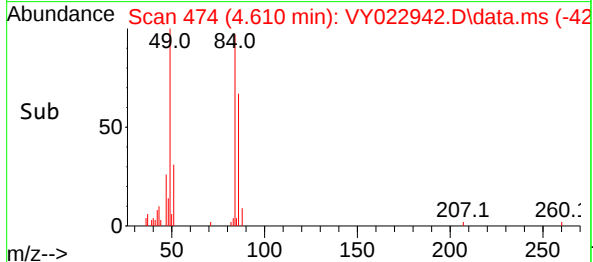
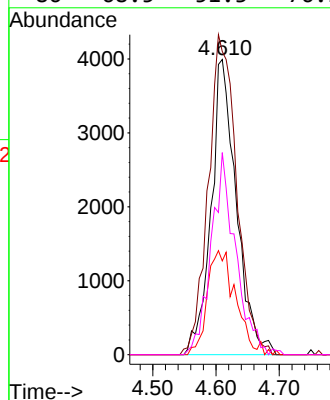
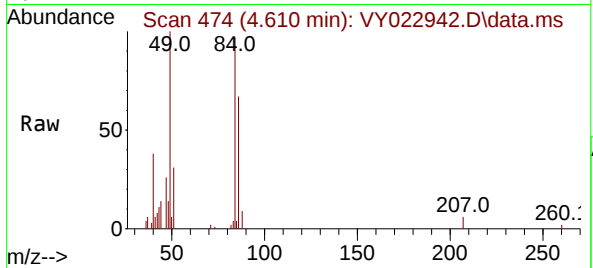




#20
Methylene Chloride
Concen: 3.367 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY022942.D
Acq: 03 Jul 2025 15:00

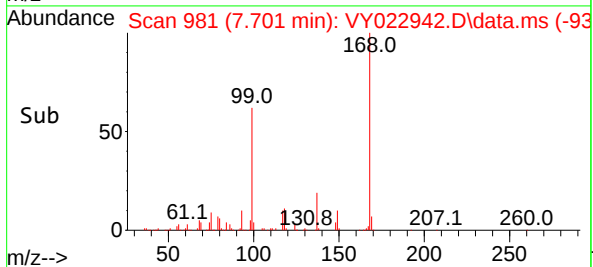
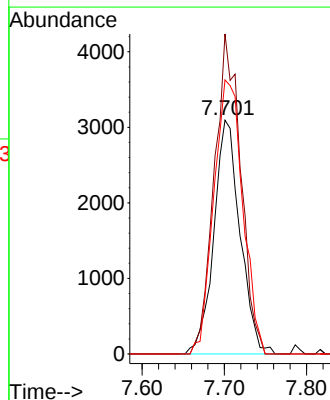
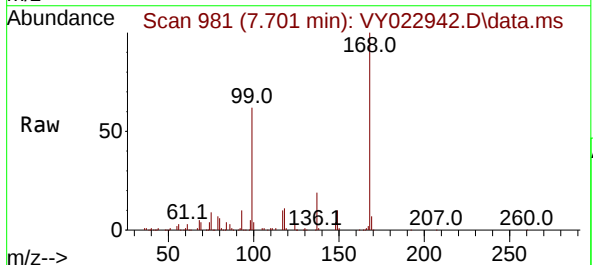
Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)RE

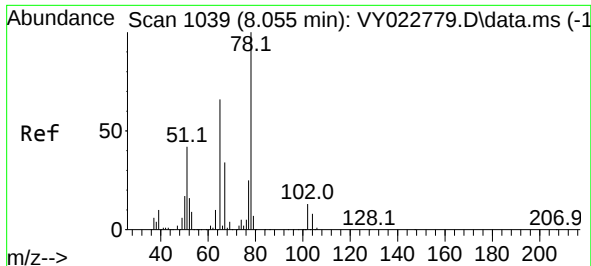
Tgt Ion:	84	Resp:	11118
Ion	Ratio	Lower	Upper
84	100		
49	102.7	101.9	152.9
51	31.8	29.8	44.8
86	68.5	51.3	76.9



#31
Cyclohexane
Concen: 1.443 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.007 min
Lab File: VY022942.D
Acq: 03 Jul 2025 15:00

Tgt Ion:	56	Resp:	6855
Ion	Ratio	Lower	Upper
56	100		
69	136.9	27.0	40.6#
84	117.3	72.6	109.0#

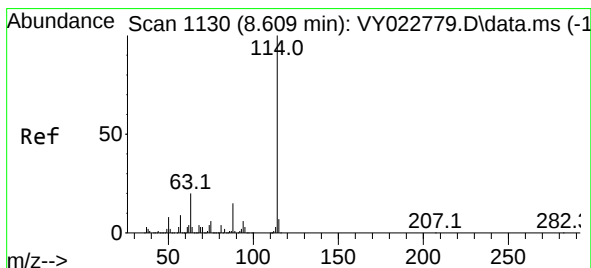
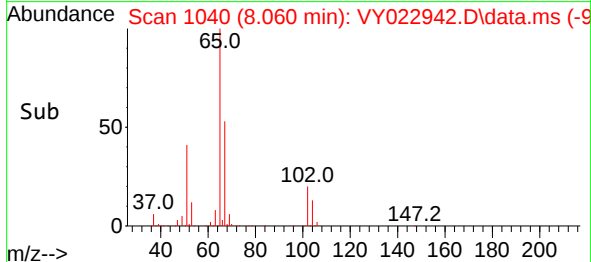
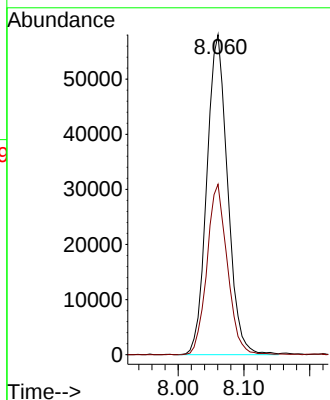
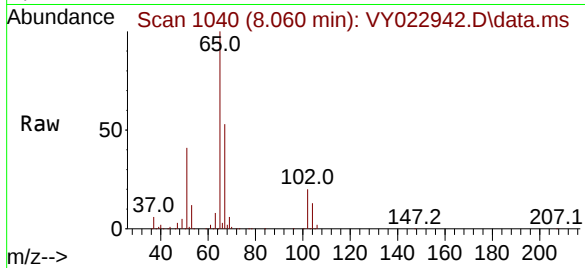




#33
 1,2-Dichloroethane-d4
 Concen: 46.240 ug/l
 RT: 8.060 min Scan# 110
 Delta R.T. -0.007 min
 Lab File: VY022942.D
 Acq: 03 Jul 2025 15:00

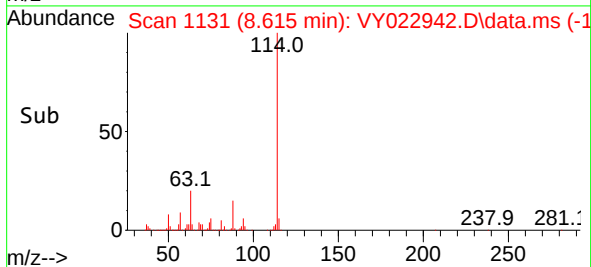
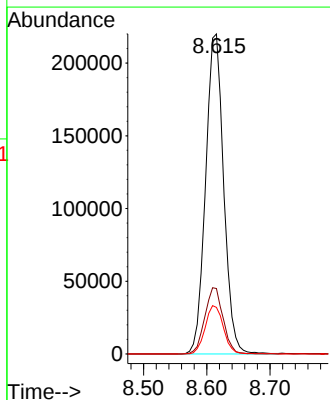
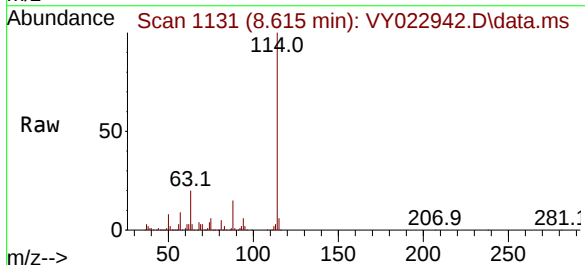
Instrument :
 MSVOA_Y
 ClientSampleId :
 G2(2.5)RE

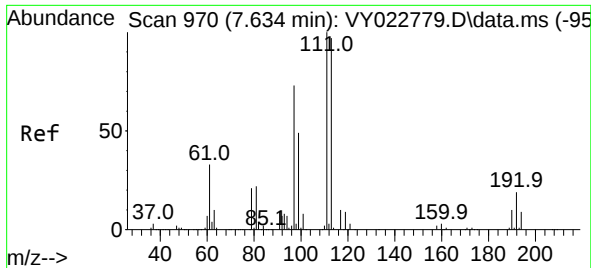
Tgt Ion: 65 Resp: 127917
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.615 min Scan# 1131
 Delta R.T. -0.000 min
 Lab File: VY022942.D
 Acq: 03 Jul 2025 15:00

Tgt Ion: 114 Resp: 437126
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.8
 88 14.5 0.0 27.8

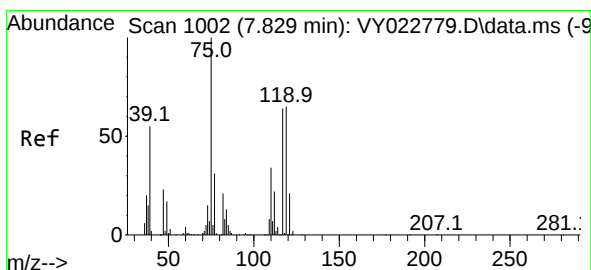
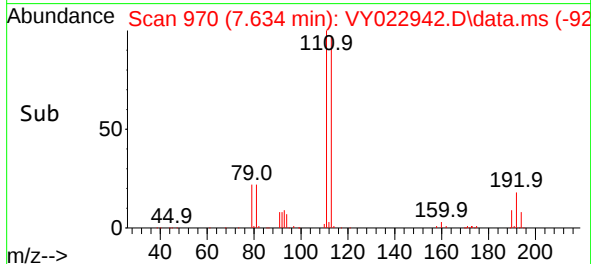
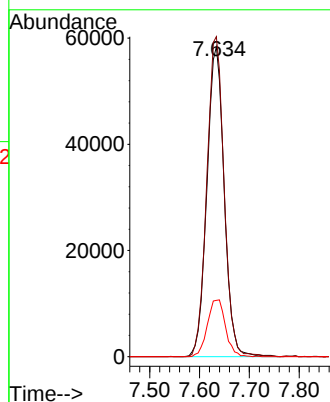
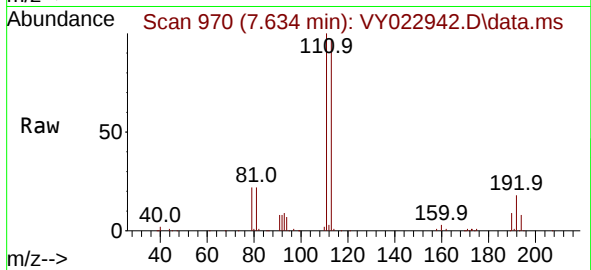




#35
Dibromofluoromethane
Concen: 52.930 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY022942.D
Acq: 03 Jul 2025 15:00

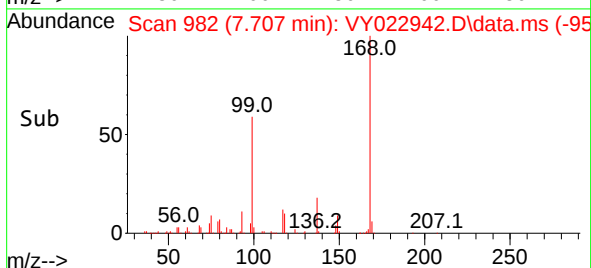
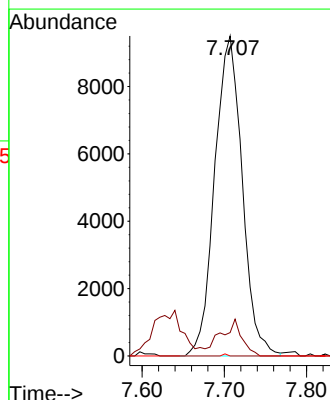
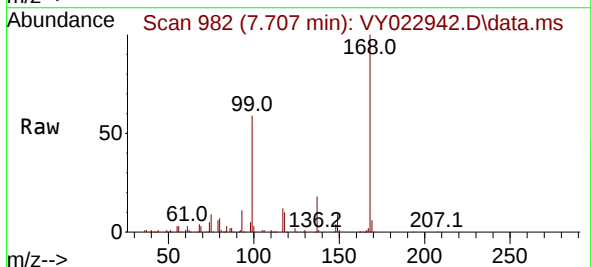
Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)RE

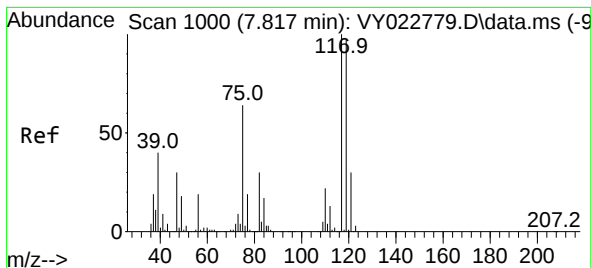
Tgt Ion:113 Resp: 140708
Ion Ratio Lower Upper
113 100
111 103.2 81.1 121.7
192 19.2 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.476 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.135 min
Lab File: VY022942.D
Acq: 03 Jul 2025 15:00

Tgt Ion: 75 Resp: 22067
Ion Ratio Lower Upper
75 100
110 8.7 16.9 50.7#
77 0.1 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.254 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY022942.D

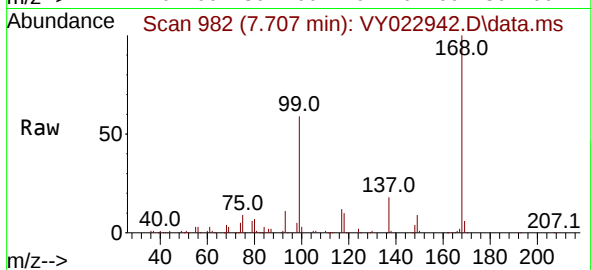
Acq: 03 Jul 2025 15:00

Instrument :

MSVOA_Y

ClientSampleId :

G2(2.5)RE



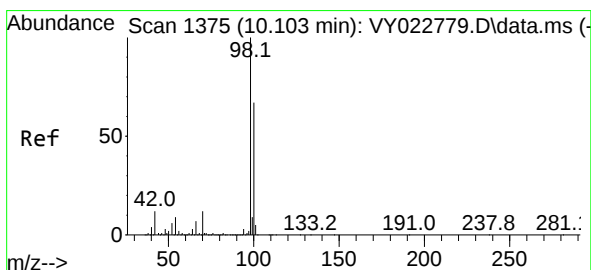
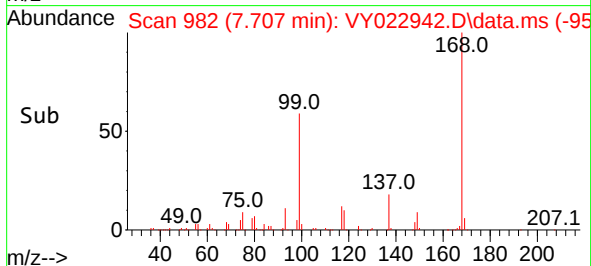
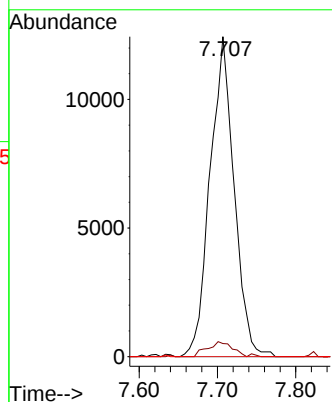
Tgt Ion:117 Resp: 26590

Ion Ratio Lower Upper

117 100

119 4.1 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 48.284 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.007 min

Lab File: VY022942.D

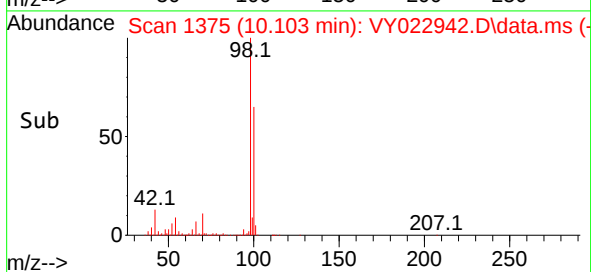
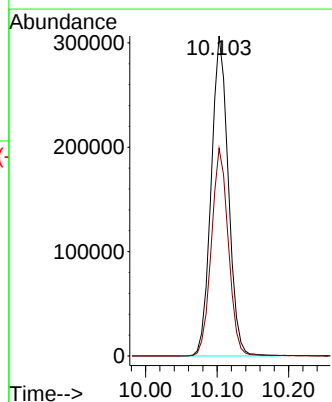
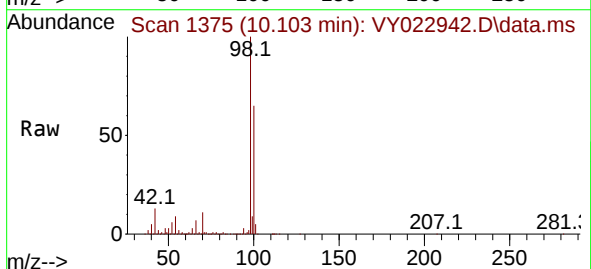
Acq: 03 Jul 2025 15:00

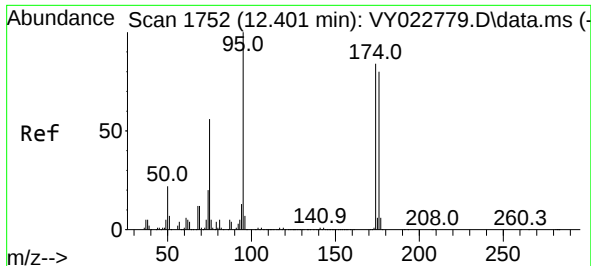
Tgt Ion: 98 Resp: 509346

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0

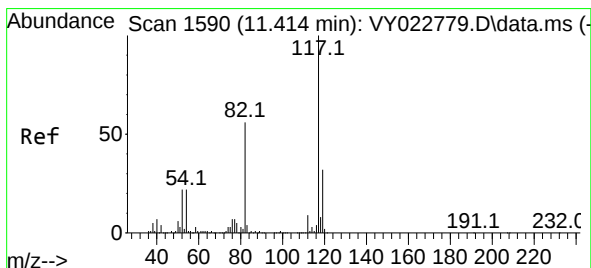
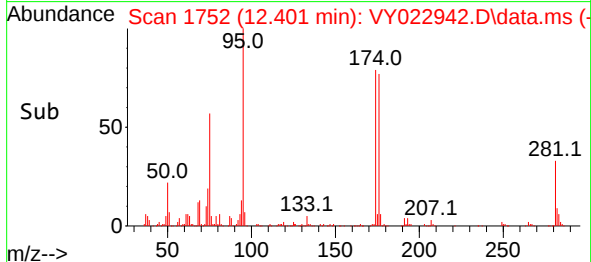
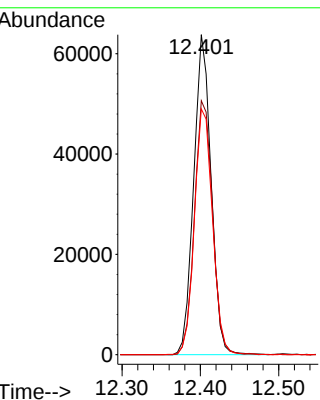
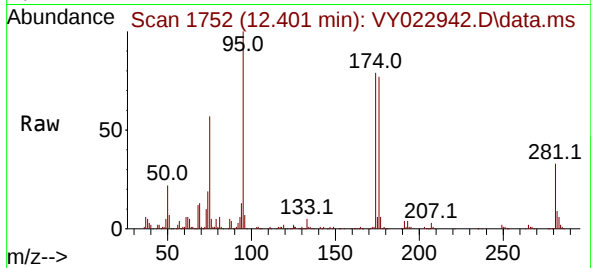




#62
4-Bromofluorobenzene
Concen: 28.986 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.007 min
Lab File: VY022942.D
Acq: 03 Jul 2025 15:00

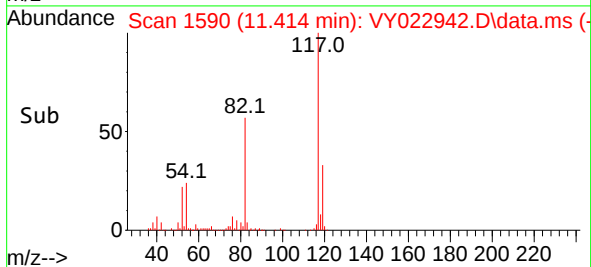
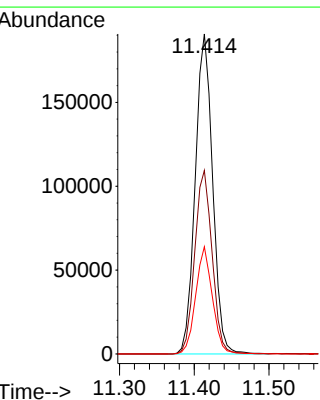
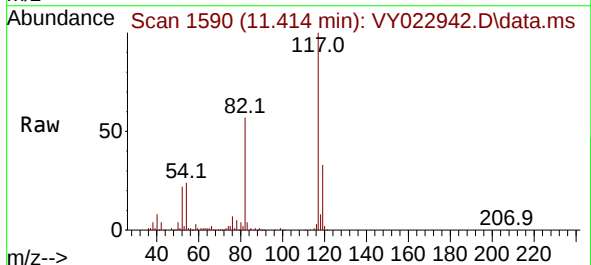
Instrument :
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ClientSampleId :
G2(2.5)RE

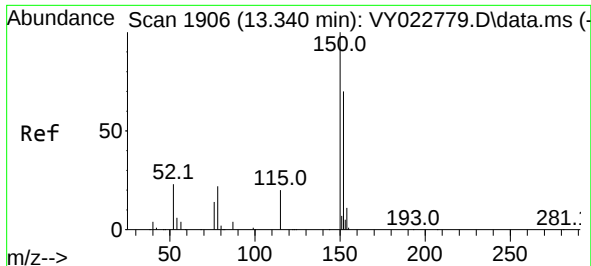
Tgt Ion:	95	Resp:	98294
Ion	Ratio	Lower	Upper
95	100		
174	82.6	0.0	170.0
176	80.2	0.0	166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.007 min
Lab File: VY022942.D
Acq: 03 Jul 2025 15:00

Tgt Ion:	117	Resp:	308489
Ion	Ratio	Lower	Upper
117	100		
82	57.3	44.6	66.8
119	33.5	25.4	38.0

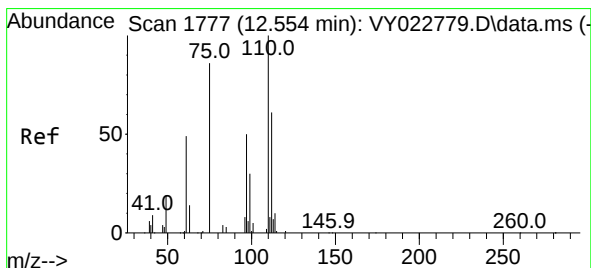
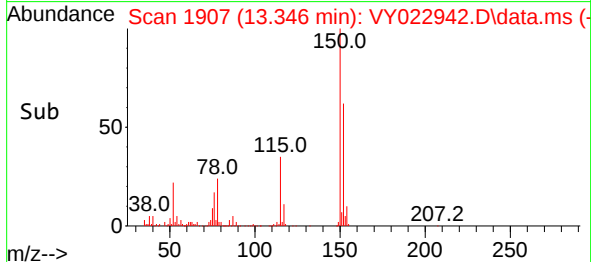
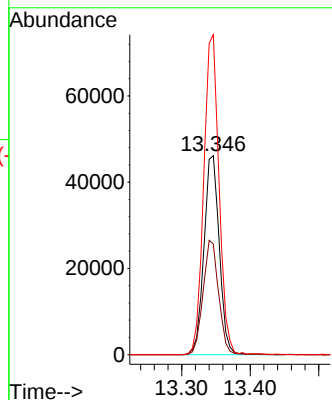
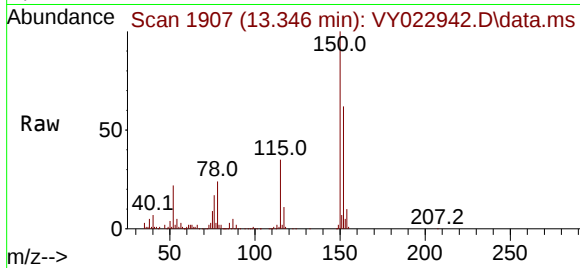




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1906
 Delta R.T. -0.000 min
 Lab File: VY022942.D
 Acq: 03 Jul 2025 15:00

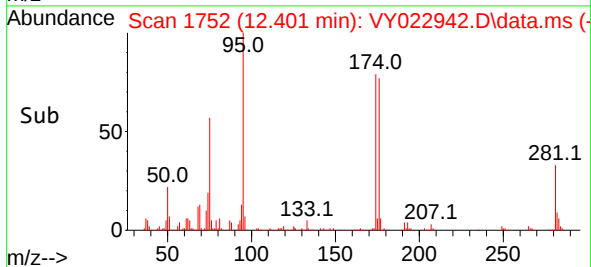
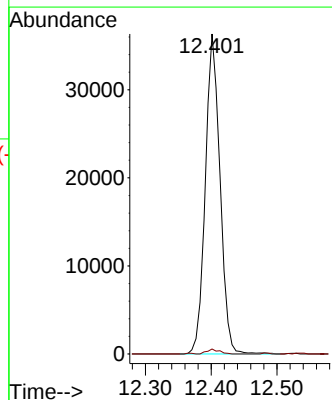
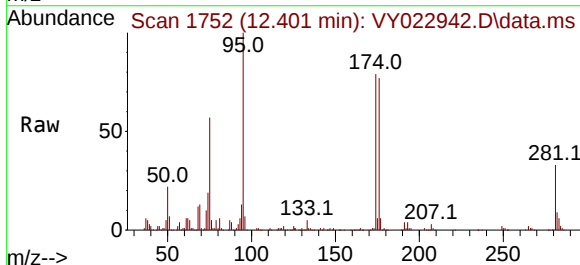
Instrument :
 MSVOA_Y
 ClientSampleId :
 G2(2.5)RE

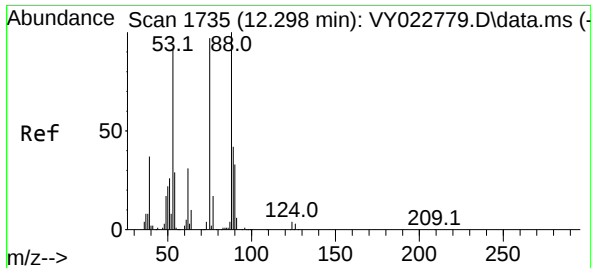
Tgt Ion:152 Resp: 72021
 Ion Ratio Lower Upper
 152 100
 115 58.2 28.9 86.7
 150 160.0 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 76.701 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022942.D
 Acq: 03 Jul 2025 15:00

Tgt Ion: 75 Resp: 56396
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 193.776 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022942.D
 Acq: 03 Jul 2025 15:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 G2(2.5)RE

Tgt Ion: 75 Resp: 56396
 Ion Ratio Lower Upper
 75 100
 53 0.3 78.5 117.7#
 89 0.9 35.7 53.5#

