

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102925\
 Data File : VY023612.D
 Acq On : 29 Oct 2025 09:43
 Operator : SY/MD
 Sample : VY1029SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 30 03:13:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

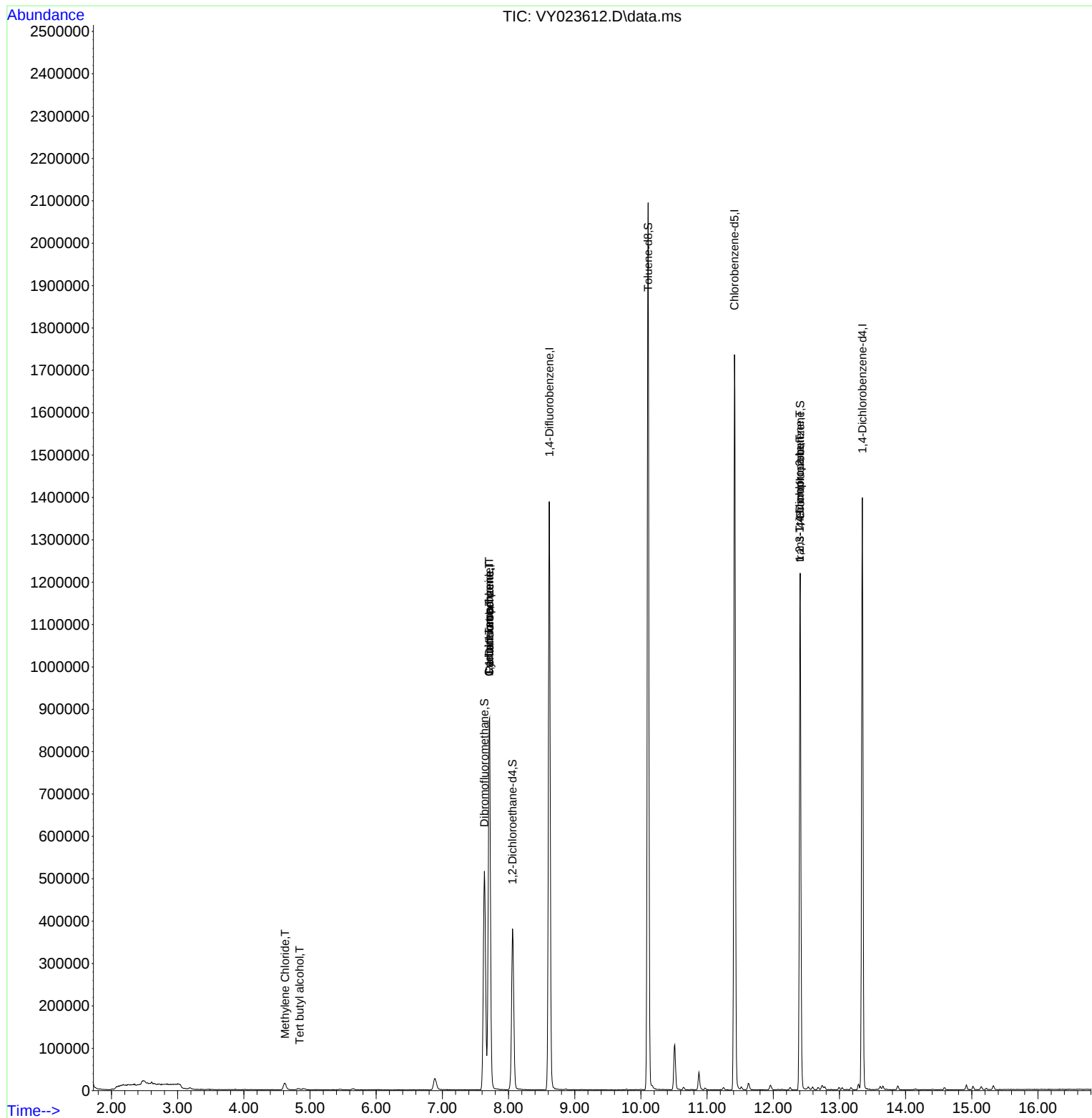
Internal Standards						
1) Pentafluorobenzene	7.713	168	736408	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1228249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	990315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	371765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	297277	48.275	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.560%
35) Dibromofluoromethane	7.634	113	368807	48.868	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.740%
50) Toluene-d8	10.109	98	1376054	48.960	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.920%
62) 4-Bromofluorobenzene	12.408	95	356077	38.374	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.740%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	1554	3.392	ug/l #	72
20) Methylene Chloride	4.622	84	11926	1.504	ug/l	91
31) Cyclohexane	7.707	56	12999	1.269	ug/l #	20
36) 1,1-Dichloropropene	7.707	75	49949	4.999	ug/l #	47
38) Carbon Tetrachloride	7.707	117	67490	5.571	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	174560	53.220	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	174560	130.506	ug/l #	15

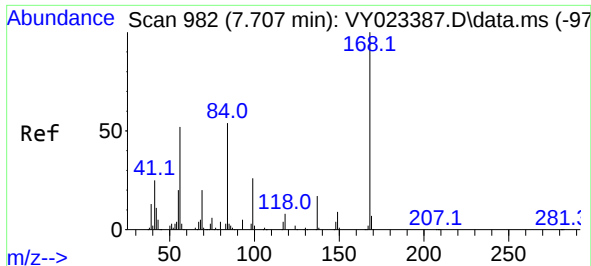
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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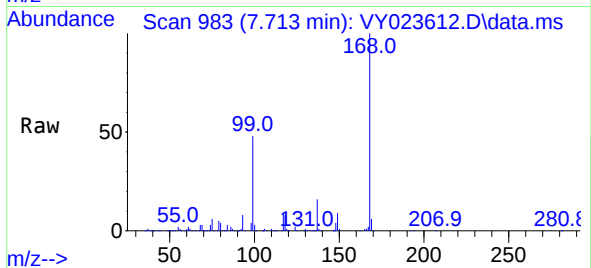
Quant Time: Oct 30 03:13:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
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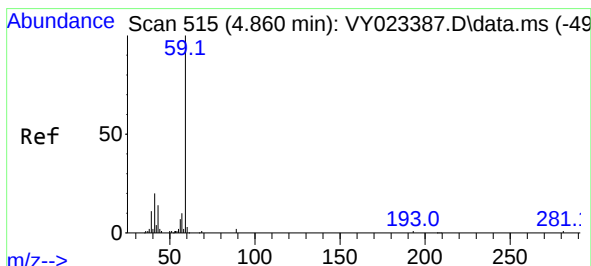
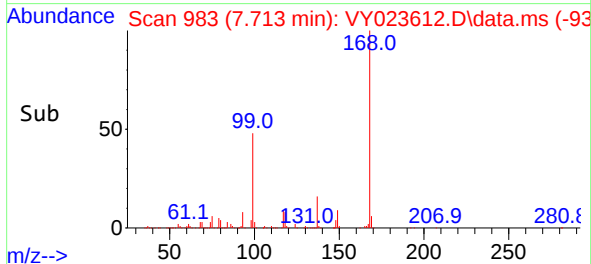
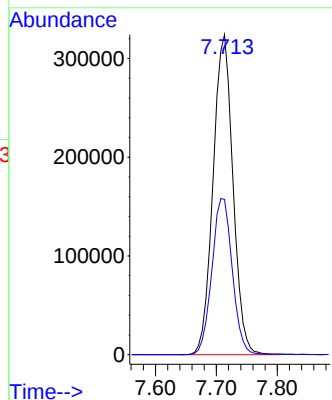


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023612.D
Acq: 29 Oct 2025 09:43

Instrument :
MSVOA_Y
ClientSampleId :

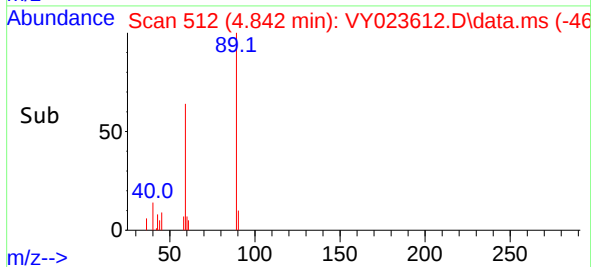
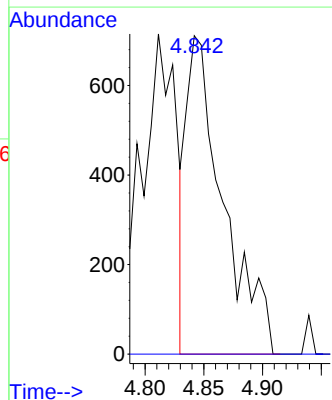
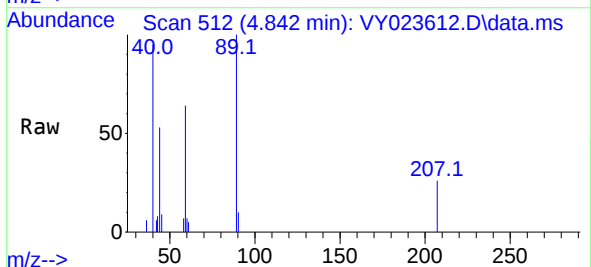


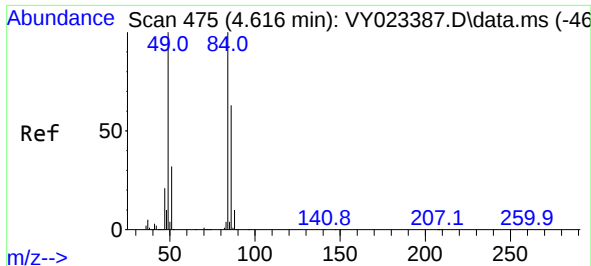
Tgt Ion:168 Resp: 736408
Ion Ratio Lower Upper
168 100
99 48.5 39.7 59.5



#11
Tert butyl alcohol
Concen: 3.392 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY023612.D
Acq: 29 Oct 2025 09:43

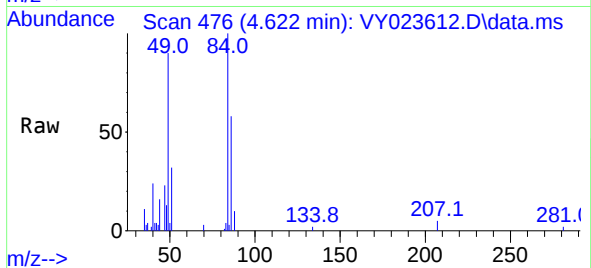
Tgt Ion: 59 Resp: 1554
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





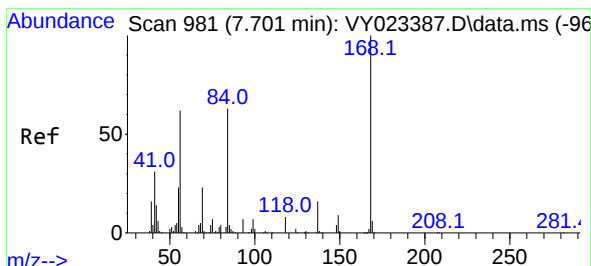
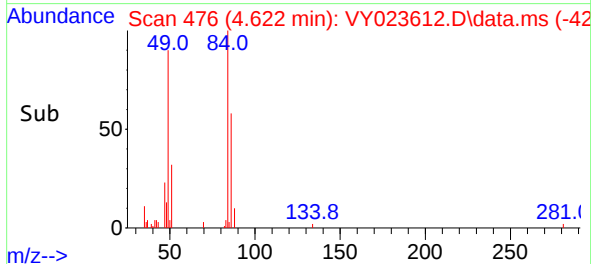
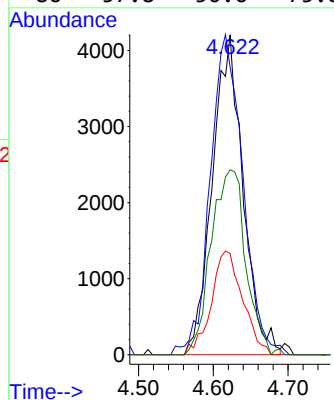
#20
Methylene Chloride
Concen: 1.504 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023612.D
Acq: 29 Oct 2025 09:43

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 11926

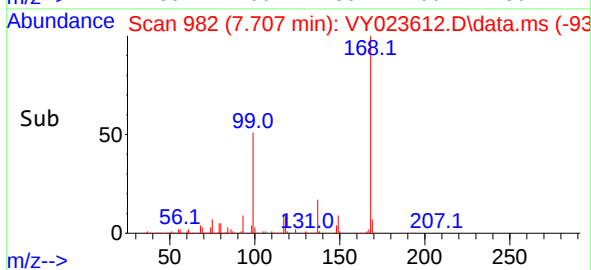
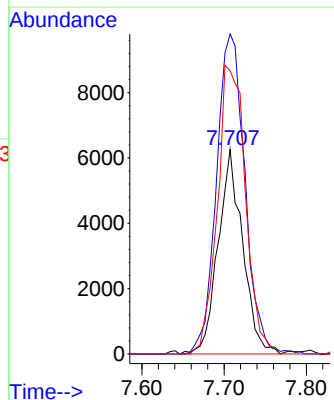
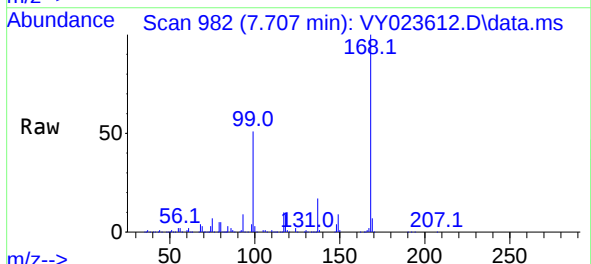
Ion	Ratio	Lower	Upper
84	100		
49	87.5	80.2	120.4
51	31.6	25.9	38.9
86	57.8	50.6	75.8

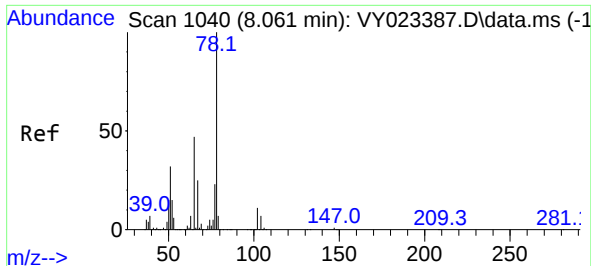


#31
Cyclohexane
Concen: 1.269 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023612.D
Acq: 29 Oct 2025 09:43

Tgt Ion: 56 Resp: 12999

Ion	Ratio	Lower	Upper
56	100		
69	156.6	30.0	45.0#
84	138.6	81.2	121.8#

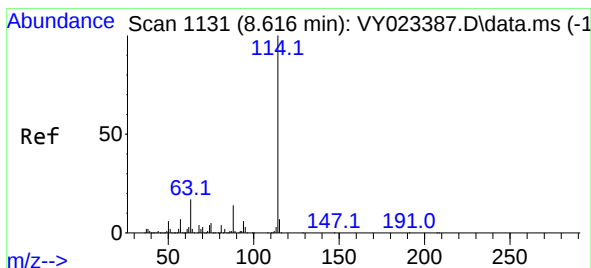
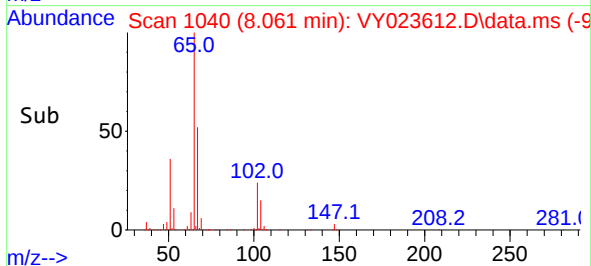
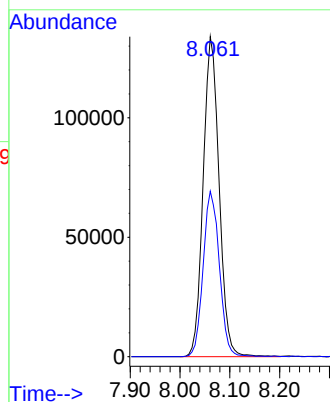
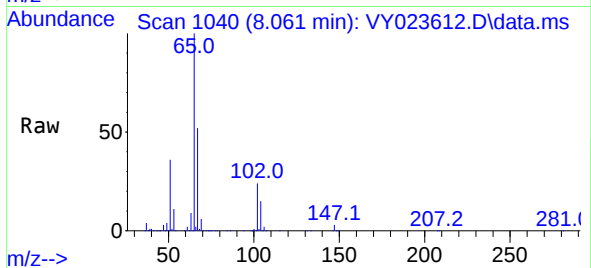




#33
1,2-Dichloroethane-d4
Concen: 48.275 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023612.D
Acq: 29 Oct 2025 09:43

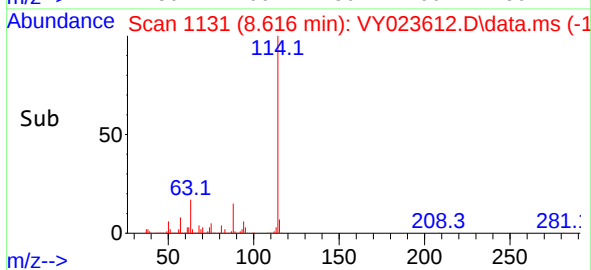
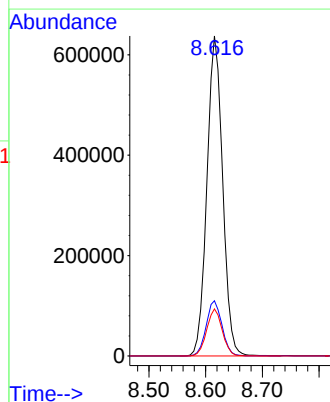
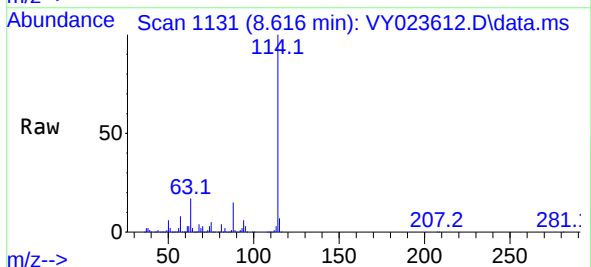
Instrument :
MSVOA_Y
ClientSampleId :

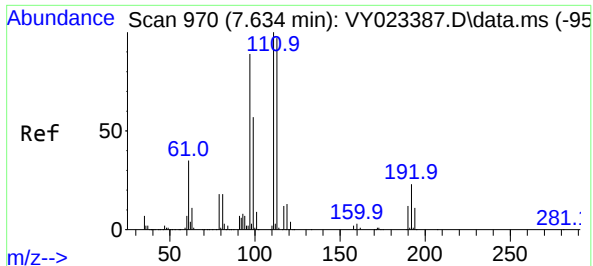
Tgt Ion: 65 Resp: 297277
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023612.D
Acq: 29 Oct 2025 09:43

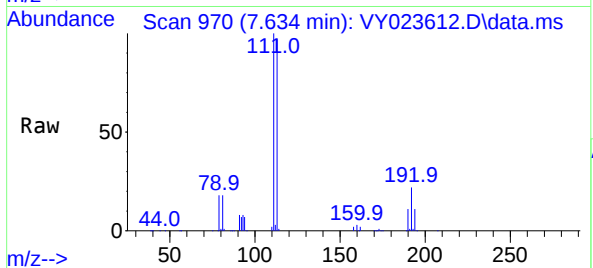
Tgt Ion: 114 Resp: 1228249
Ion Ratio Lower Upper
114 100
63 17.3 0.0 34.2
88 14.7 0.0 28.4



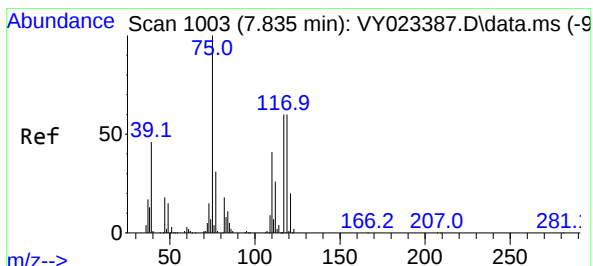
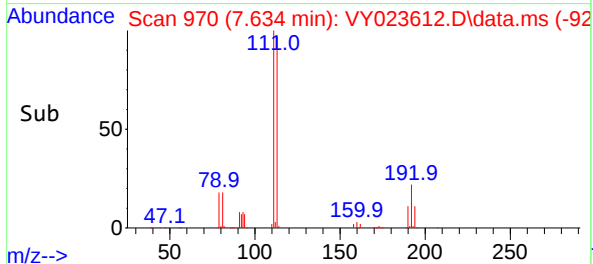
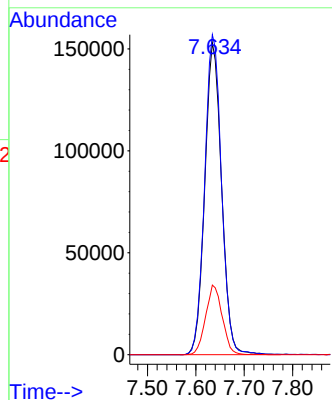


#35
Dibromofluoromethane
Concen: 48.868 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023612.D
Acq: 29 Oct 2025 09:43

Instrument :
MSVOA_Y
ClientSampleId :

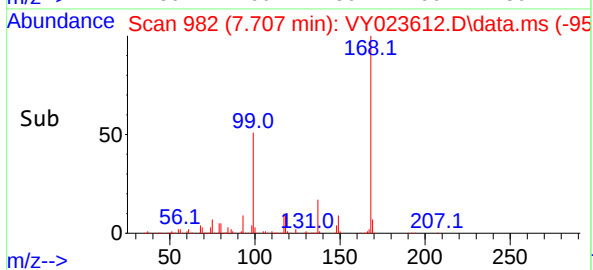
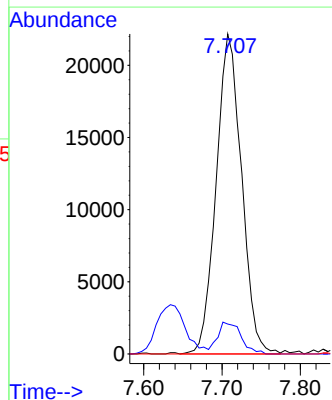
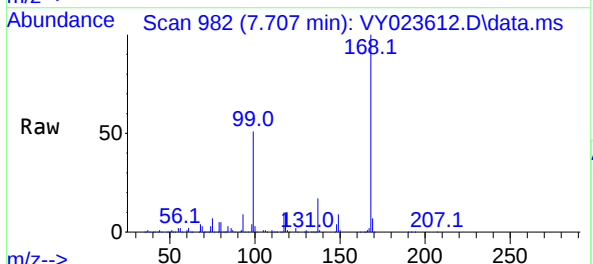


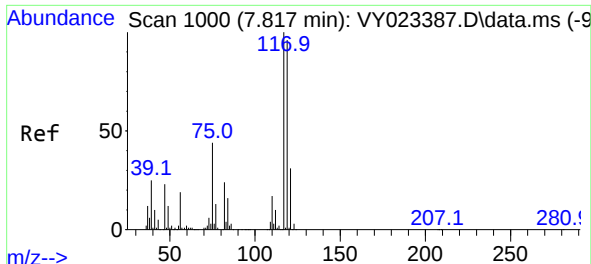
Tgt Ion:113 Resp: 368807
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.6
192 22.0 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.999 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023612.D
Acq: 29 Oct 2025 09:43

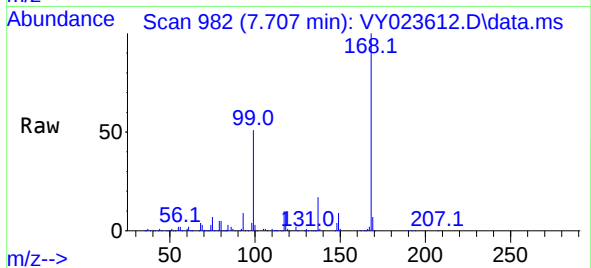
Tgt Ion: 75 Resp: 49949
Ion Ratio Lower Upper
75 100
110 9.1 19.9 59.7#
77 0.0 25.0 37.6#



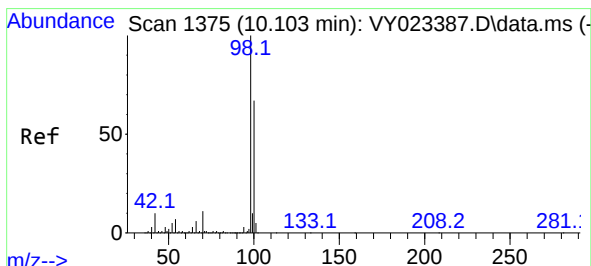
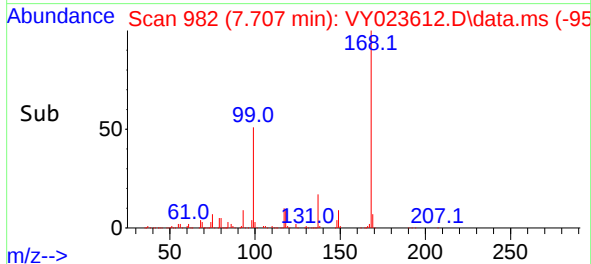
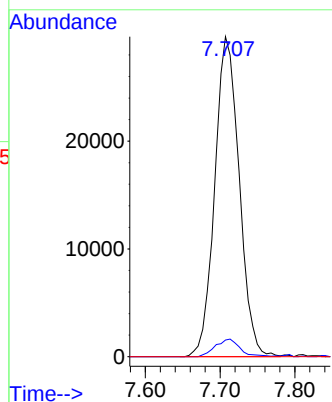


#38
Carbon Tetrachloride
Concen: 5.571 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023612.D
Acq: 29 Oct 2025 09:43

Instrument :
MSVOA_Y
ClientSampleId :

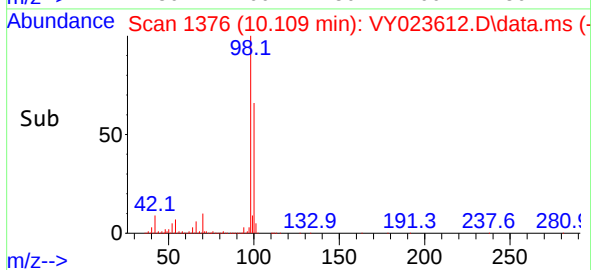
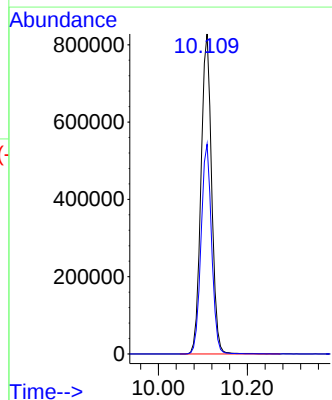
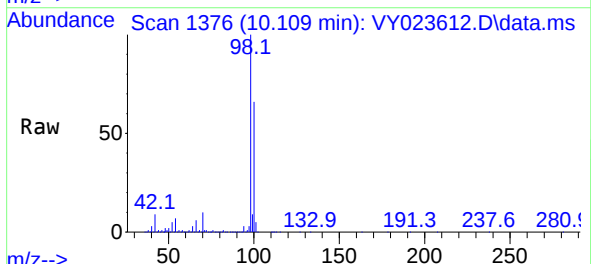


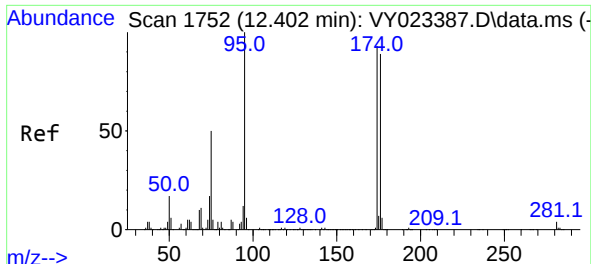
Tgt Ion:117 Resp: 67490
Ion Ratio Lower Upper
117 100
119 5.2 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.960 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023612.D
Acq: 29 Oct 2025 09:43

Tgt Ion: 98 Resp: 1376054
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.4

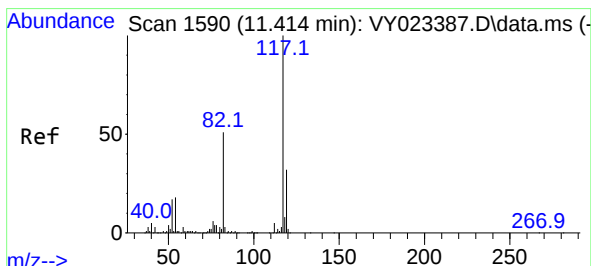
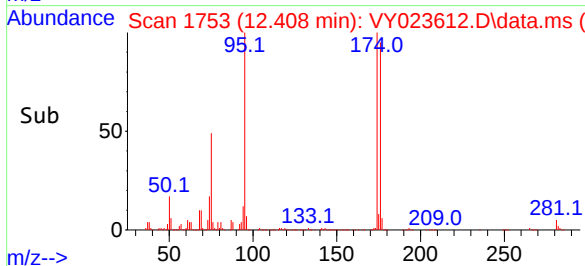
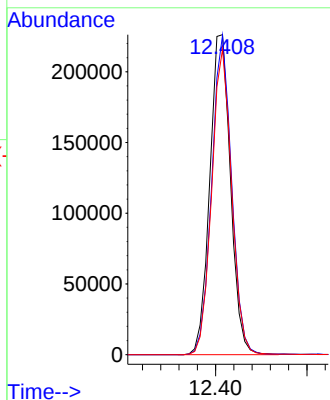
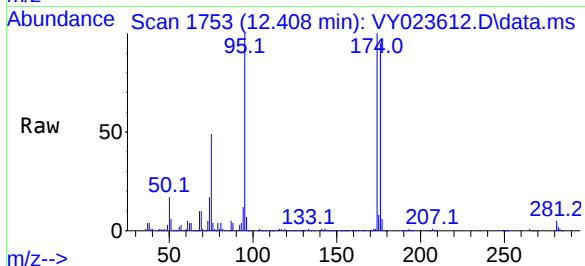




#62
4-Bromofluorobenzene
Concen: 38.374 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023612.D
Acq: 29 Oct 2025 09:43

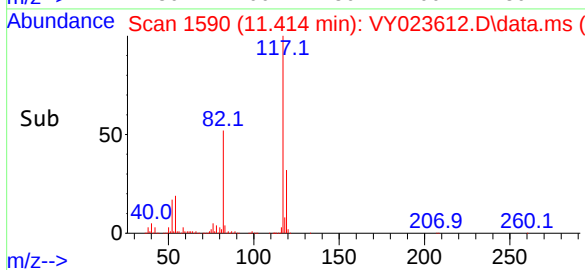
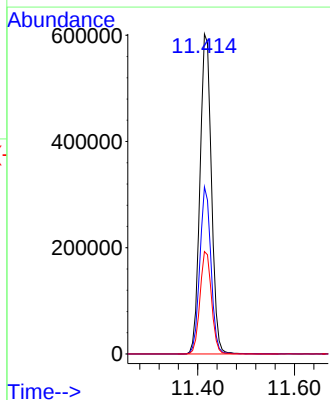
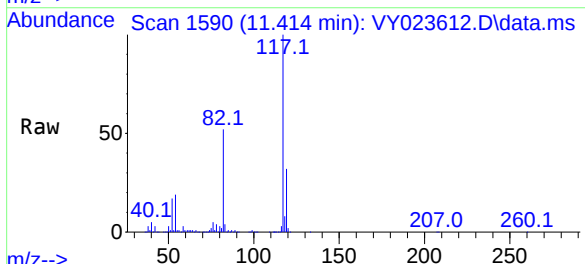
Instrument :
MSVOA_Y
ClientSampleId :

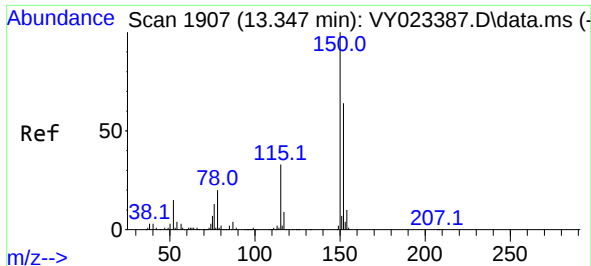
Tgt Ion: 95 Resp: 356077
Ion Ratio Lower Upper
95 100
174 95.8 0.0 192.8
176 92.0 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023612.D
Acq: 29 Oct 2025 09:43

Tgt Ion: 117 Resp: 990315
Ion Ratio Lower Upper
117 100
82 52.2 41.0 61.4
119 32.0 25.6 38.4

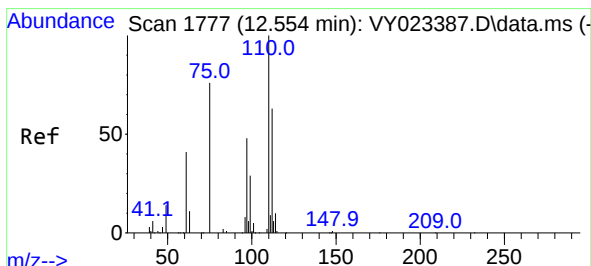
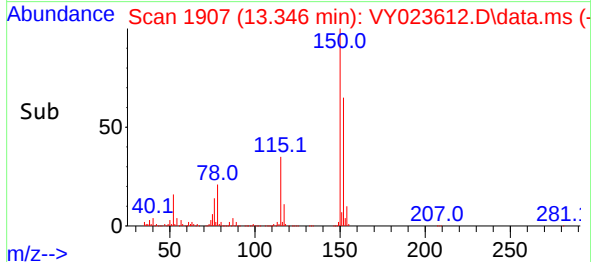
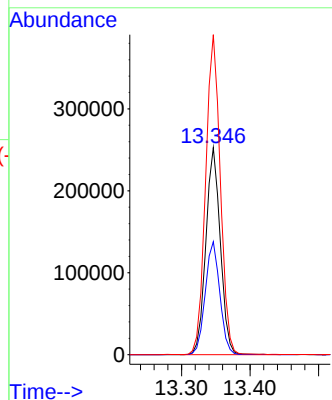
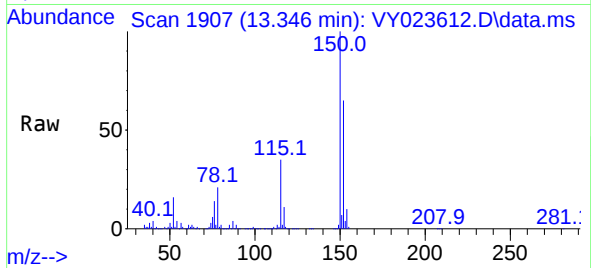




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023612.D
 Acq: 29 Oct 2025 09:43

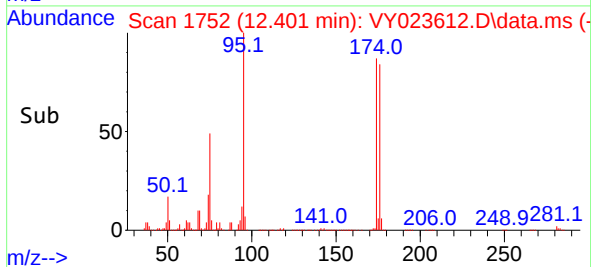
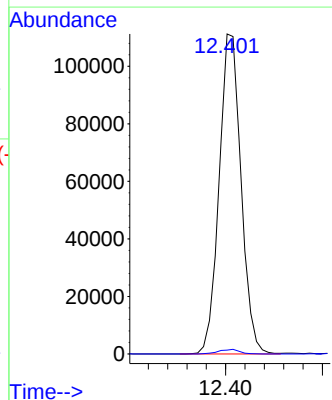
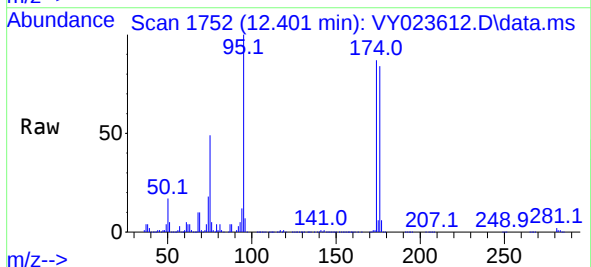
Instrument :
 MSVOA_Y
 ClientSampleId :

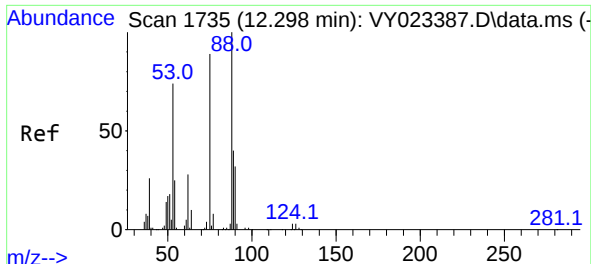
Tgt Ion:152 Resp: 371765
 Ion Ratio Lower Upper
 152 100
 115 55.0 27.1 81.2
 150 157.0 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 53.220 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY023612.D
 Acq: 29 Oct 2025 09:43

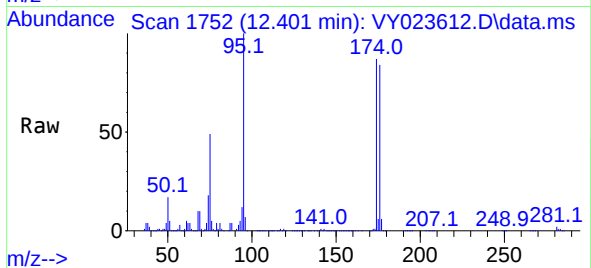
Tgt Ion: 75 Resp: 174560
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.506 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023612.D
 Acq: 29 Oct 2025 09:43

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 174560
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 0.0 39.0 58.4#

