

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023522.D
 Acq On : 21 Oct 2025 09:34
 Operator : SY/MD
 Sample : VY1021SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1021SBL01

Quant Time: Oct 24 01:21:50 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)

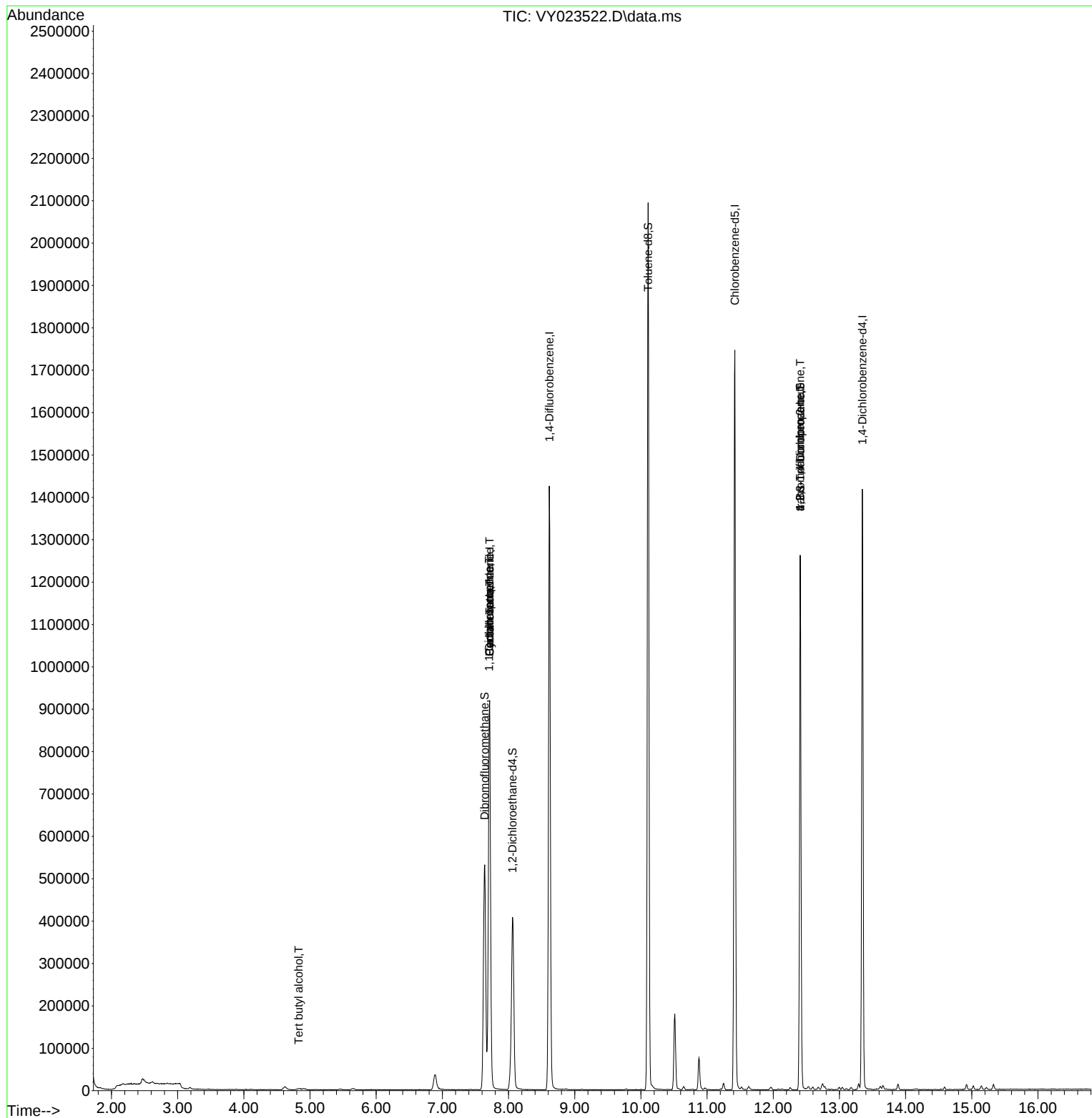
Internal Standards						
1) Pentafluorobenzene	7.713	168	767531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1271980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1000258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	378610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	295141	45.985	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.960%
35) Dibromofluoromethane	7.640	113	388671	49.729	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.460%
50) Toluene-d8	10.109	98	1399310	48.076	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.160%
62) 4-Bromofluorobenzene	12.408	95	349784	36.400	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.800%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.830	59	2257	4.727	ug/l #	72
31) Cyclohexane	7.713	56	12994	1.217	ug/l #	6
36) 1,1-Dichloropropene	7.707	75	49425	4.777	ug/l #	49
38) Carbon Tetrachloride	7.713	117	69628	5.550	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	172734	51.711	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	172734	126.806	ug/l #	15

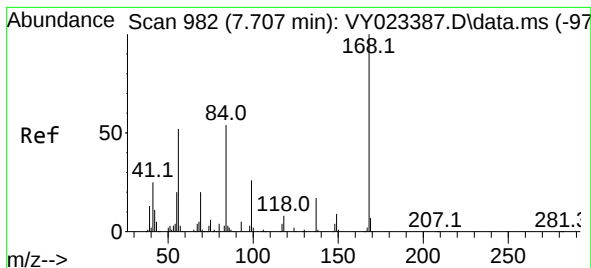
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

Quant Time: Oct 24 01:21:50 2025
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Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY023522.D

Acq: 21 Oct 2025 09:34

Instrument :

MSVOA_Y

ClientSampleId :

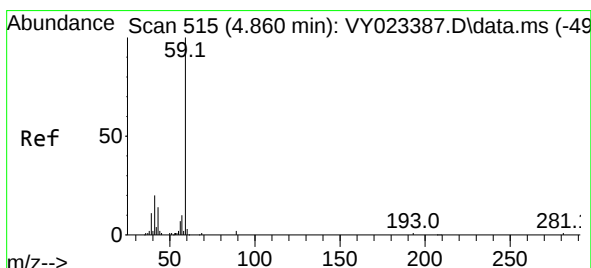
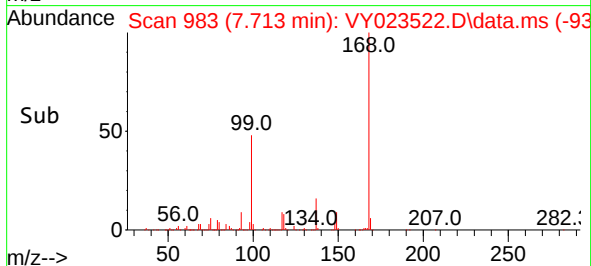
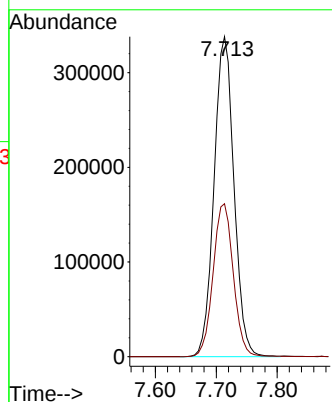
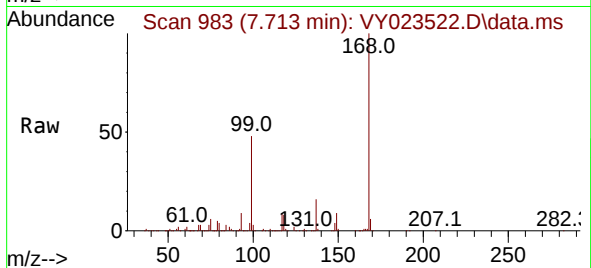
VY1021SBL01

Tgt Ion:168 Resp: 767531

Ion Ratio Lower Upper

168 100

99 47.8 39.7 59.5



#11

Tert butyl alcohol

Concen: 4.727 ug/l

RT: 4.830 min Scan# 510

Delta R.T. -0.030 min

Lab File: VY023522.D

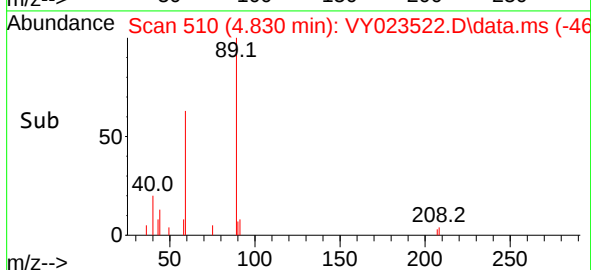
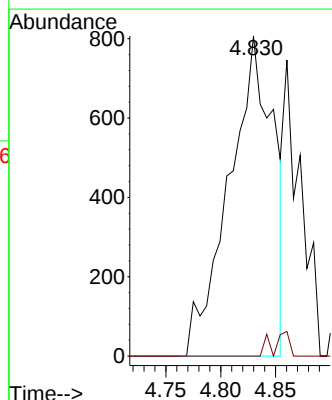
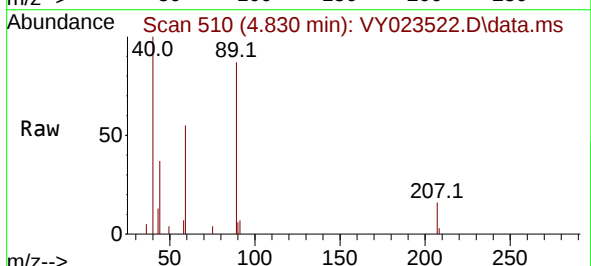
Acq: 21 Oct 2025 09:34

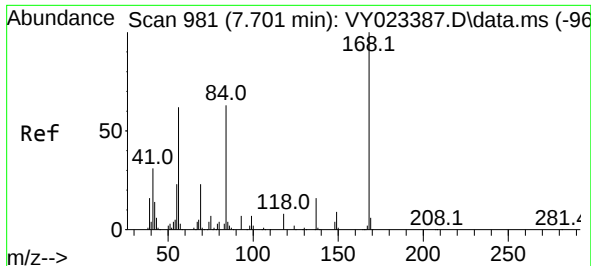
Tgt Ion: 59 Resp: 2257

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

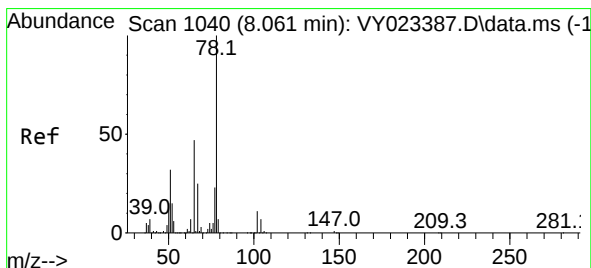
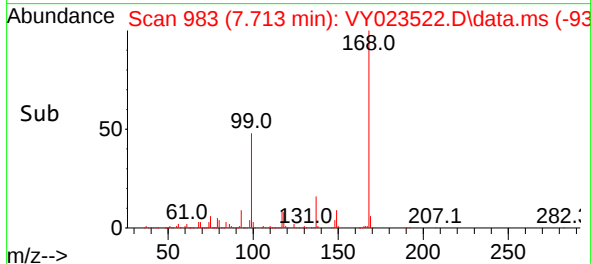
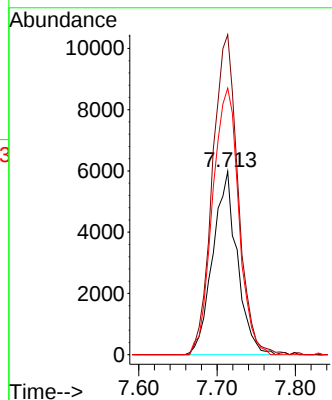
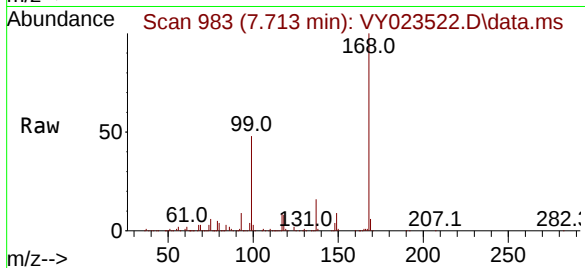




#31
Cyclohexane
Concen: 1.217 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023522.D
Acq: 21 Oct 2025 09:34

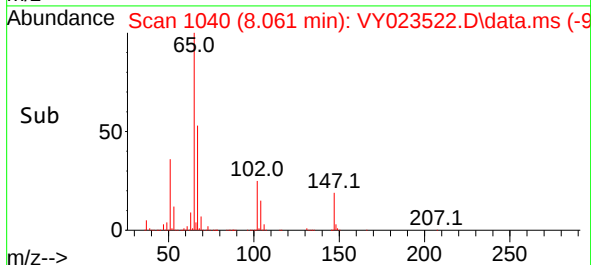
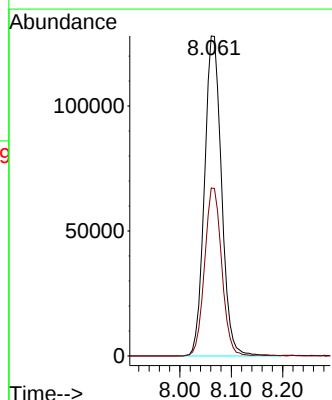
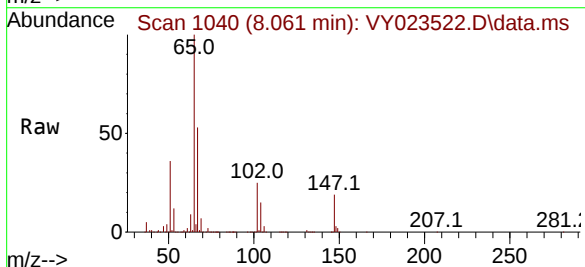
Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

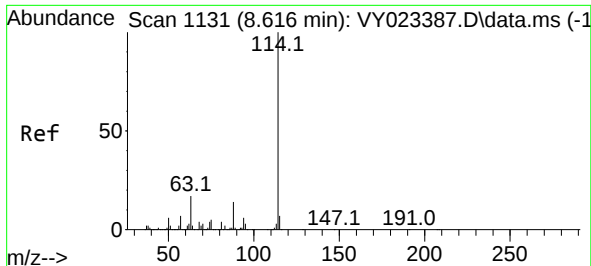
Tgt Ion: 56 Resp: 12994
Ion Ratio Lower Upper
56 100
69 174.6 30.0 45.0#
84 145.5 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 45.985 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023522.D
Acq: 21 Oct 2025 09:34

Tgt Ion: 65 Resp: 295141
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8

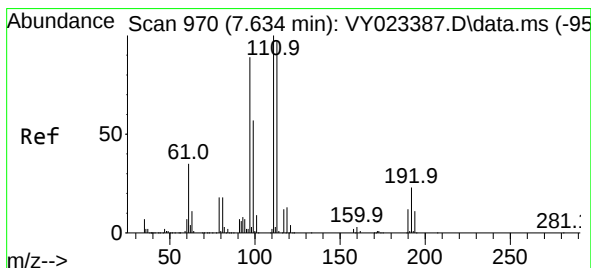
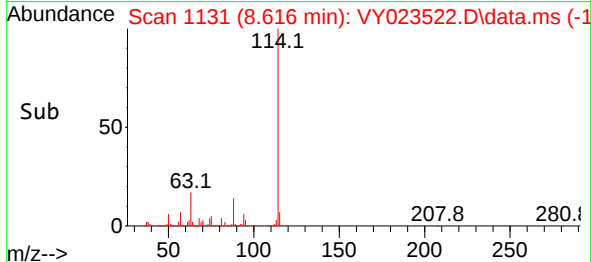
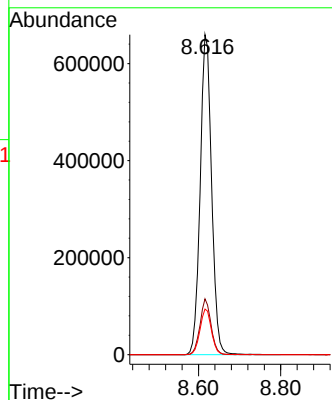
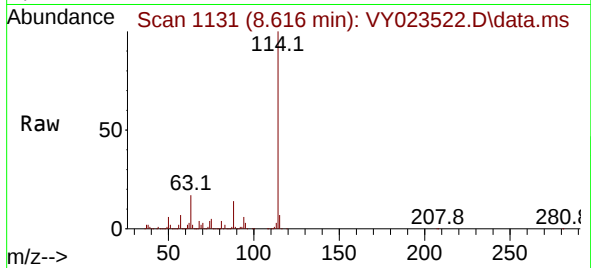




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023522.D
Acq: 21 Oct 2025 09:34

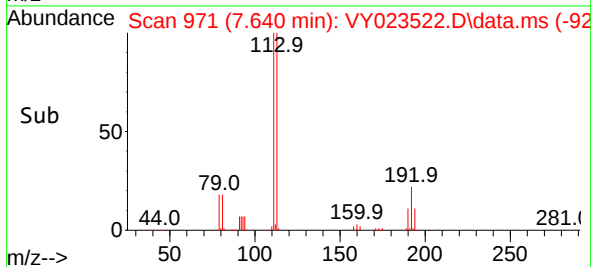
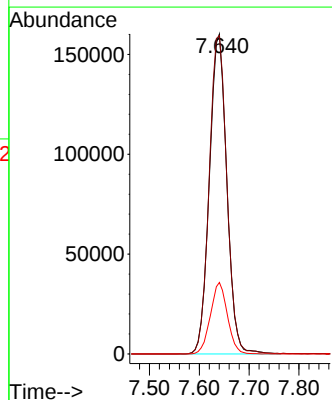
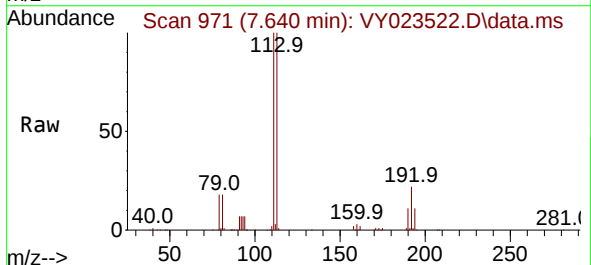
Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

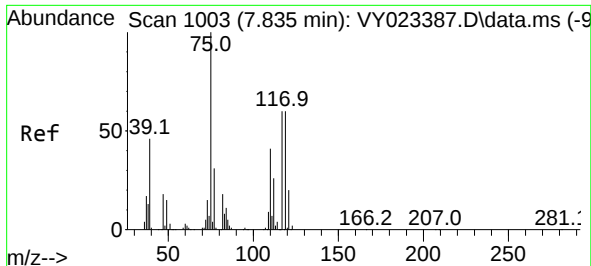
Tgt Ion:114 Resp: 1271980
Ion Ratio Lower Upper
114 100
63 17.5 0.0 34.2
88 14.2 0.0 28.4



#35
Dibromofluoromethane
Concen: 49.729 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023522.D
Acq: 21 Oct 2025 09:34

Tgt Ion:113 Resp: 388671
Ion Ratio Lower Upper
113 100
111 101.1 81.8 122.6
192 21.8 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.777 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY023522.D

Acq: 21 Oct 2025 09:34

Instrument :

MSVOA_Y

ClientSampleId :

VY1021SBL01

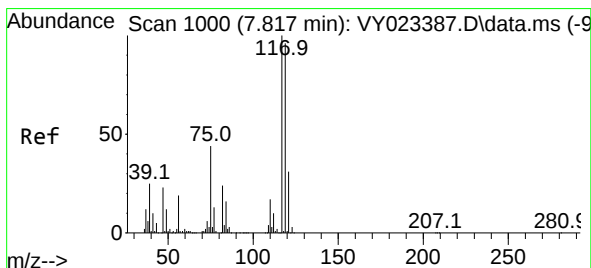
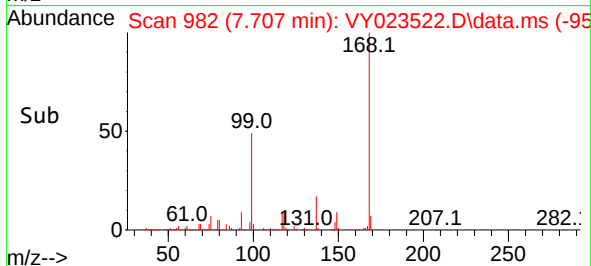
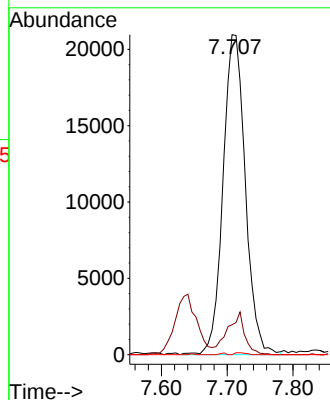
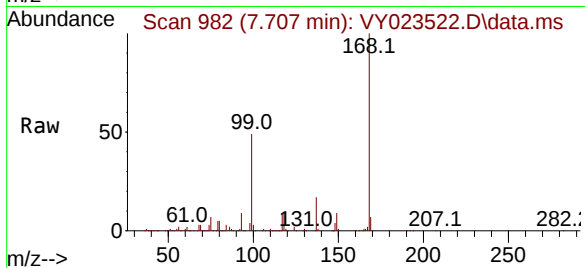
Tgt Ion: 75 Resp: 49425

Ion Ratio Lower Upper

75 100

110 10.5 19.9 59.7#

77 0.3 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.550 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023522.D

Acq: 21 Oct 2025 09:34

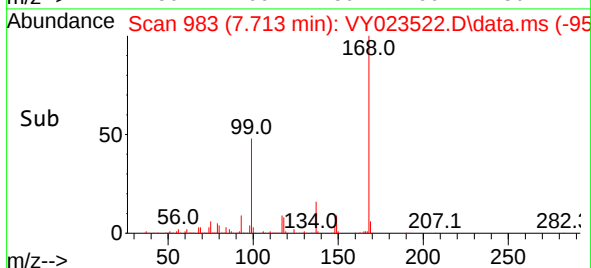
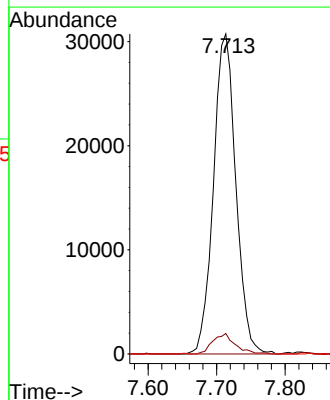
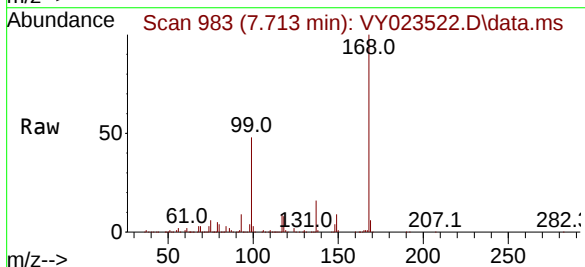
Tgt Ion: 117 Resp: 69628

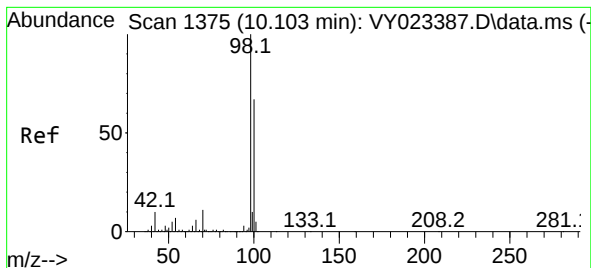
Ion Ratio Lower Upper

117 100

119 6.4 76.8 115.2#

121 0.0 24.5 36.7#

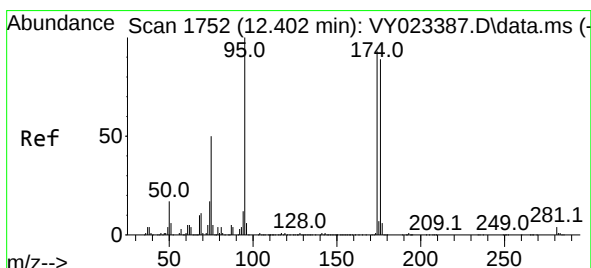
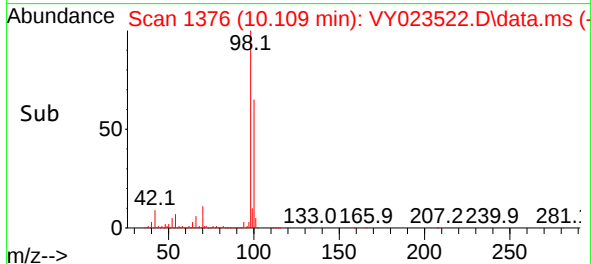
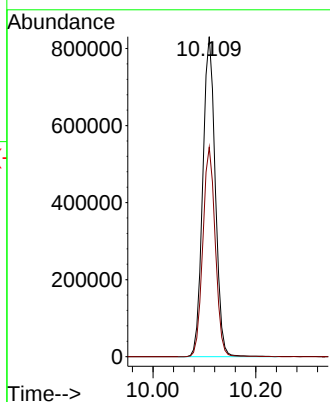
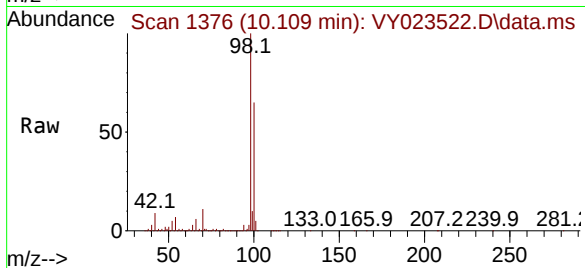




#50
Toluene-d8
Concen: 48.076 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023522.D
Acq: 21 Oct 2025 09:34

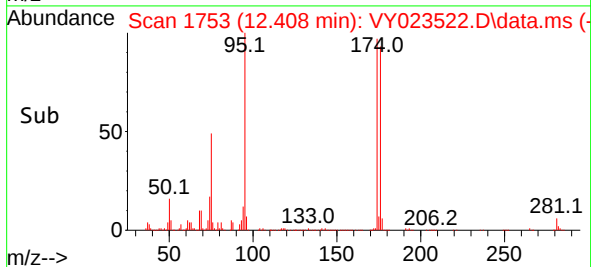
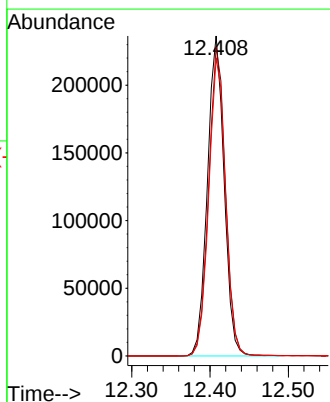
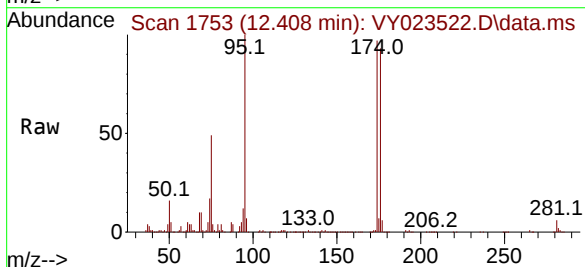
Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

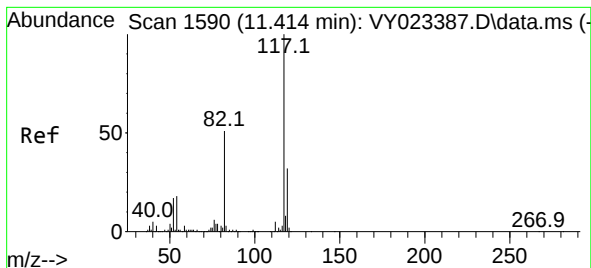
Tgt Ion: 98 Resp: 1399310
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 36.400 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023522.D
Acq: 21 Oct 2025 09:34

Tgt Ion: 95 Resp: 349784
Ion Ratio Lower Upper
95 100
174 98.0 0.0 192.8
176 93.7 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023522.D

Acq: 21 Oct 2025 09:34

Instrument :

MSVOA_Y

ClientSampleId :

VY1021SBL01

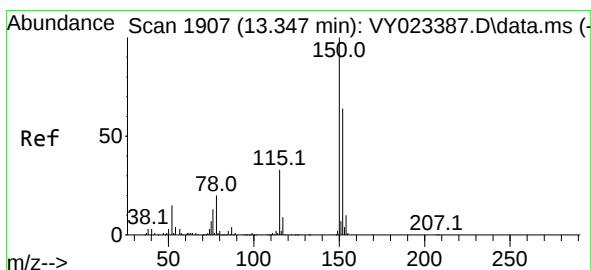
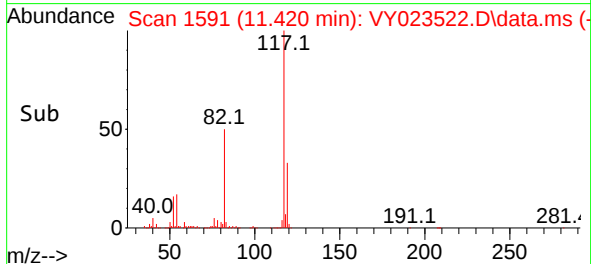
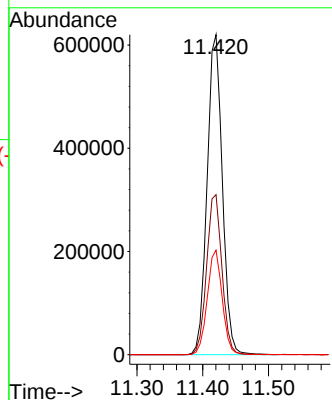
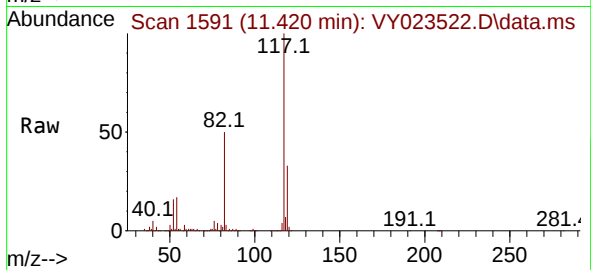
Tgt Ion:117 Resp: 1000258

Ion Ratio Lower Upper

117 100

82 50.0 41.0 61.4

119 32.6 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023522.D

Acq: 21 Oct 2025 09:34

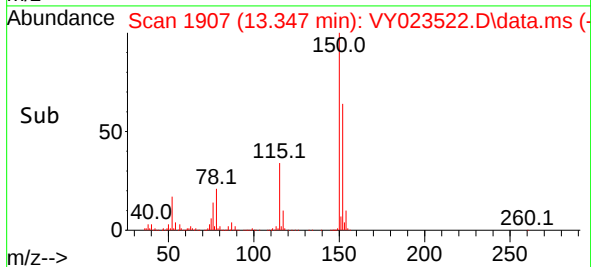
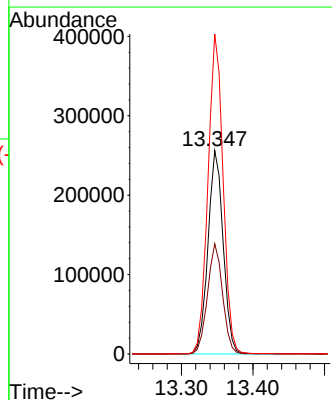
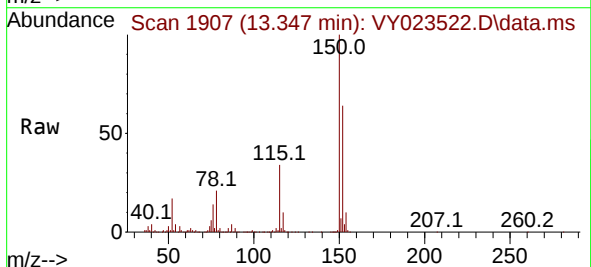
Tgt Ion:152 Resp: 378610

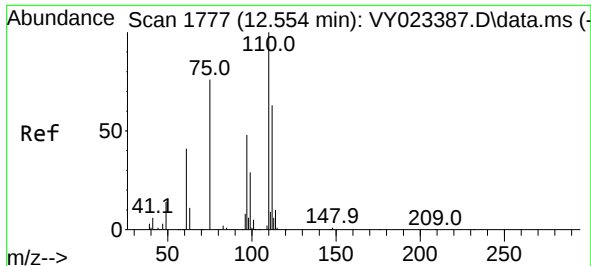
Ion Ratio Lower Upper

152 100

115 53.8 27.1 81.2

150 156.0 0.0 347.4

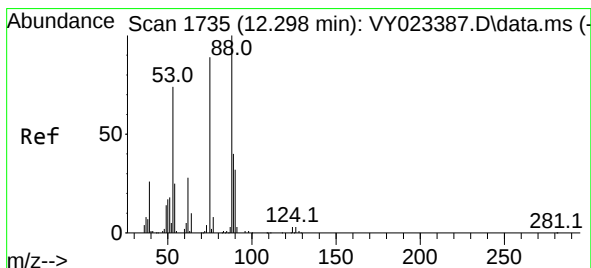
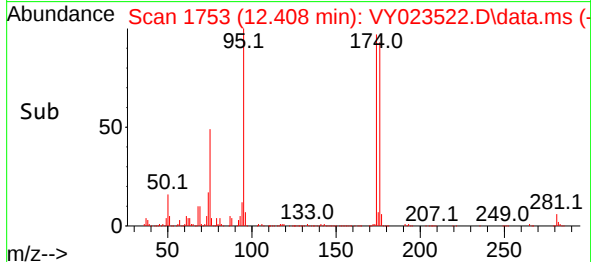
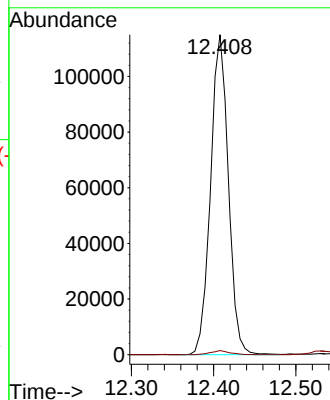
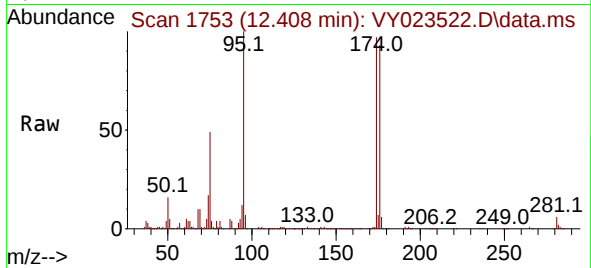




#76
1,2,3-Trichloropropane
Concen: 51.711 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023522.D
Acq: 21 Oct 2025 09:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

Tgt Ion: 75 Resp: 172734
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.806 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023522.D
Acq: 21 Oct 2025 09:34

Tgt Ion: 75 Resp: 172734
Ion Ratio Lower Upper
75 100
53 0.2 68.6 102.8#
89 0.1 39.0 58.4#

