

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101525\
 Data File : VY023478.D
 Acq On : 15 Oct 2025 15:28
 Operator : SY/MD
 Sample : Q3354-01
 Misc : 3.24g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 16 02:45:44 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	480176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	923467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	922268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	415800	50.000	ug/l	0.00

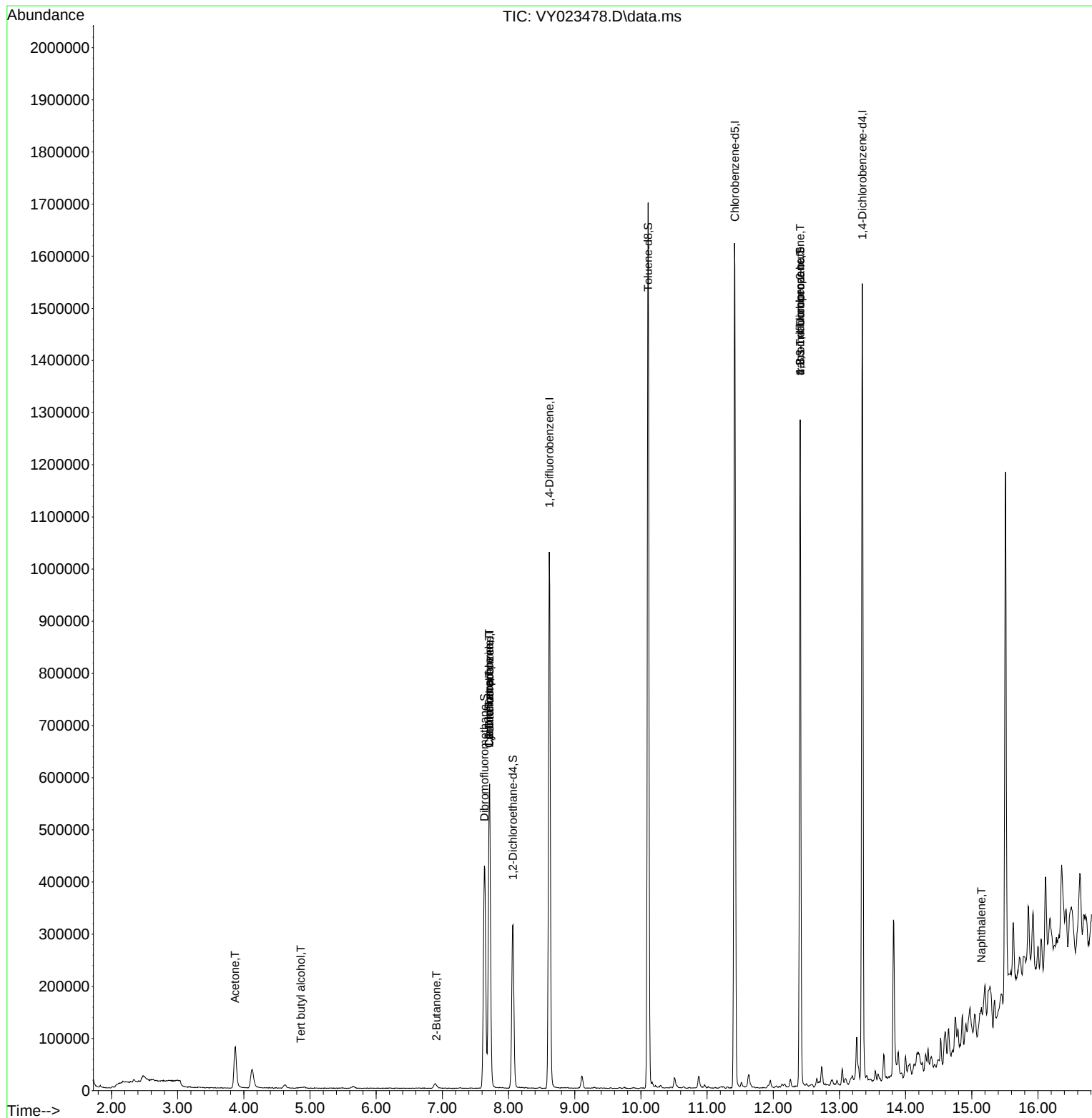
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	248950	62.000	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.000%
35) Dibromofluoromethane	7.634	113	311986	54.983	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.960%
50) Toluene-d8	10.109	98	1122045	53.098	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.200%
62) 4-Bromofluorobenzene	12.407	95	367677	52.702	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	105.400%

Target Compounds					Qvalue	
11) Tert butyl alcohol	4.860	59	2261	7.569	ug/l #	75
16) Acetone	3.866	43	135186	141.420	ug/l	99
25) 2-Butanone	6.908	43	1690	1.448	ug/l	92
31) Cyclohexane	7.707	56	9067	1.357	ug/l #	8
36) 1,1-Dichloropropene	7.707	75	32757	4.361	ug/l #	49
38) Carbon Tetrachloride	7.707	117	45031	4.944	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	180692	49.255	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	180692	120.784	ug/l #	15
95) Naphthalene	15.145	128	35779	2.898	ug/l #	95

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

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ALS Vial : 10 Sample Multiplier: 1

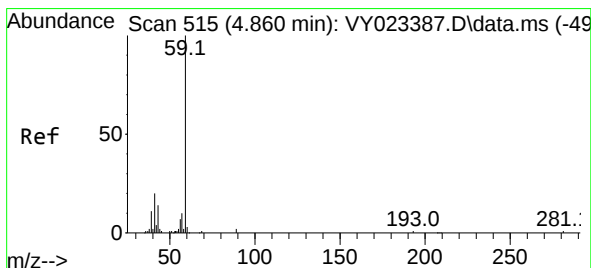
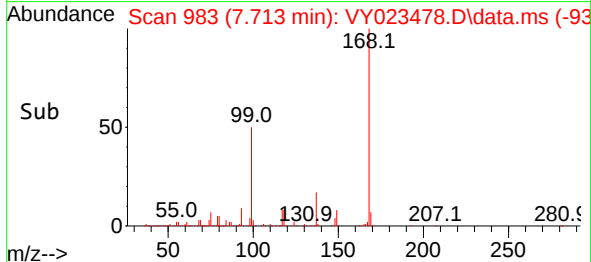
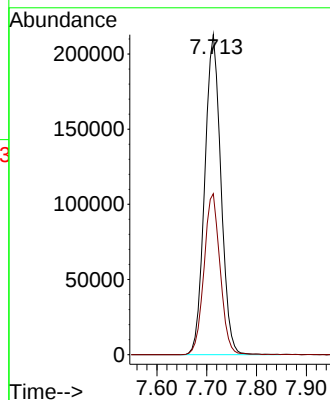
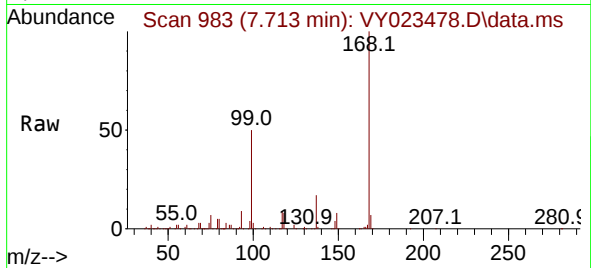
Quant Time: Oct 16 02:45:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
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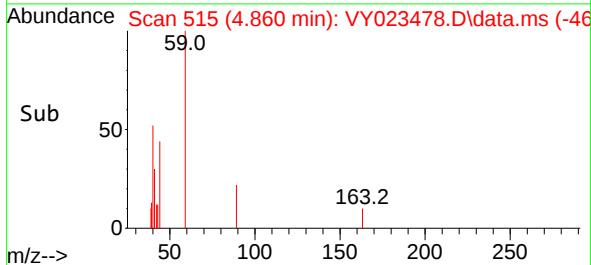
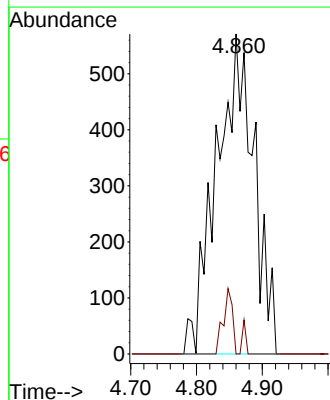
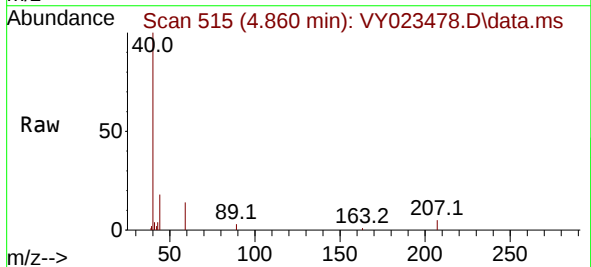
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023478.D
Acq: 15 Oct 2025 15:28

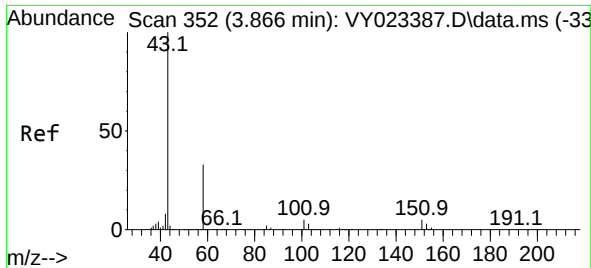
Tgt Ion:168 Resp: 480176
Ion Ratio Lower Upper
168 100
99 50.3 39.7 59.5



#11
Tert butyl alcohol
Concen: 7.569 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.000 min
Lab File: VY023478.D
Acq: 15 Oct 2025 15:28

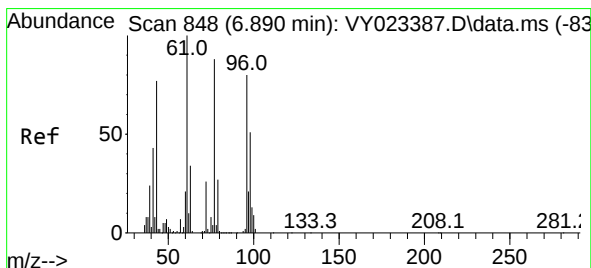
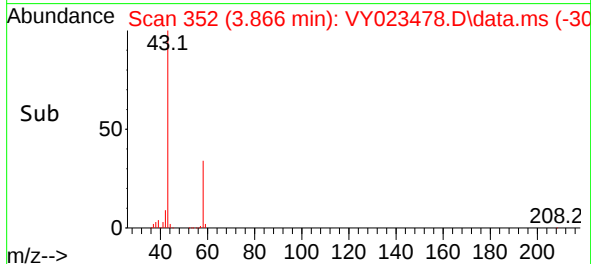
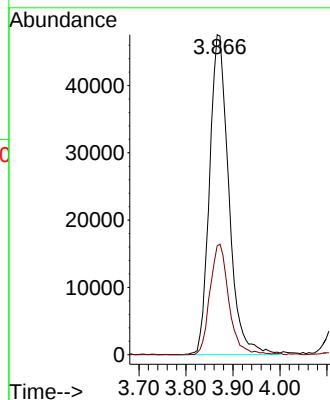
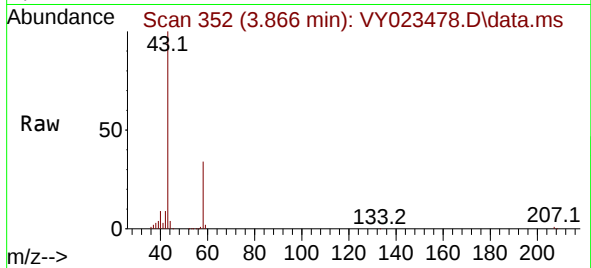
Tgt Ion: 59 Resp: 2261
Ion Ratio Lower Upper
59 100
57 1.0 8.3 12.5#





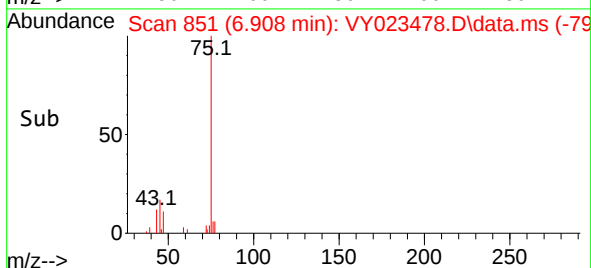
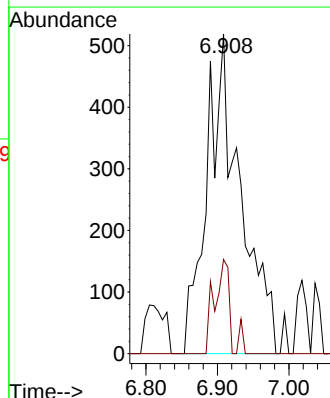
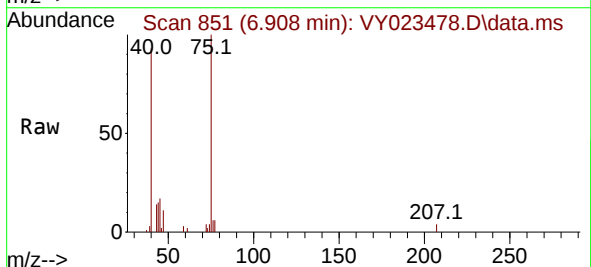
#16
Acetone
Concen: 141.420 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023478.D
Acq: 15 Oct 2025 15:28

Tgt Ion: 43 Resp: 135186
Ion Ratio Lower Upper
43 100
58 34.0 27.7 41.5



#25
2-Butanone
Concen: 1.448 ug/l
RT: 6.908 min Scan# 851
Delta R.T. 0.018 min
Lab File: VY023478.D
Acq: 15 Oct 2025 15:28

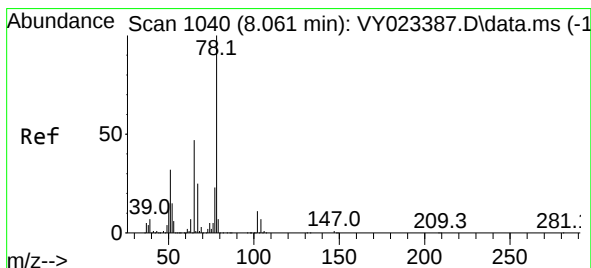
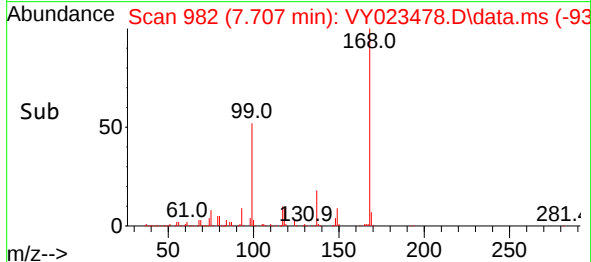
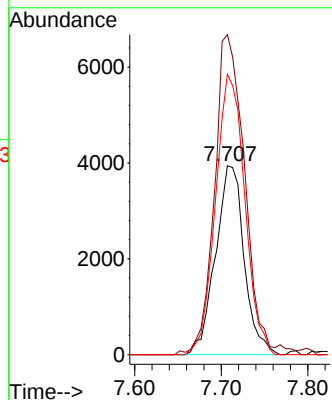
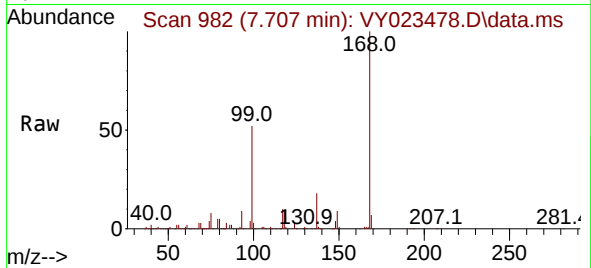
Tgt Ion: 43 Resp: 1690
Ion Ratio Lower Upper
43 100
72 29.5 27.4 41.2





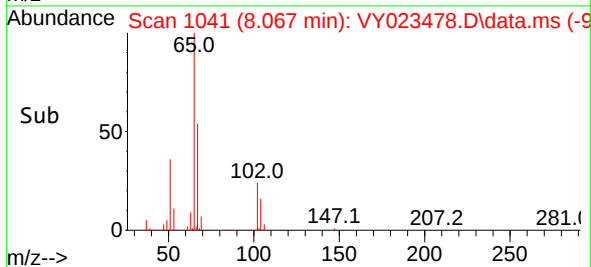
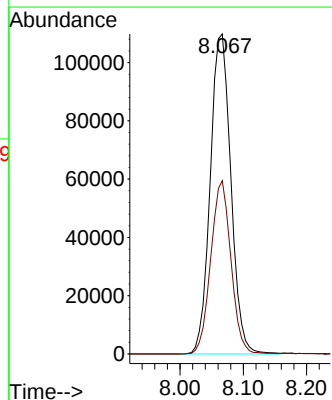
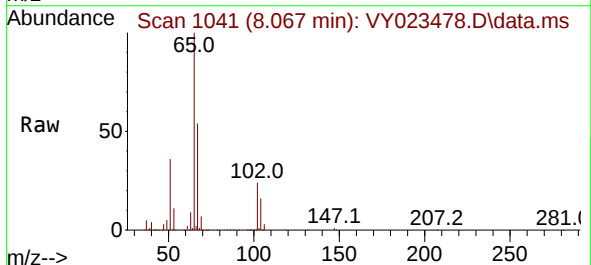
#31
Cyclohexane
Concen: 1.357 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023478.D
Acq: 15 Oct 2025 15:28

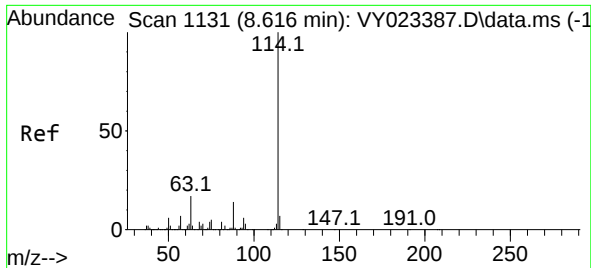
Tgt Ion: 56 Resp: 9067
Ion Ratio Lower Upper
56 100
69 167.3 30.0 45.0#
84 148.4 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 62.000 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023478.D
Acq: 15 Oct 2025 15:28

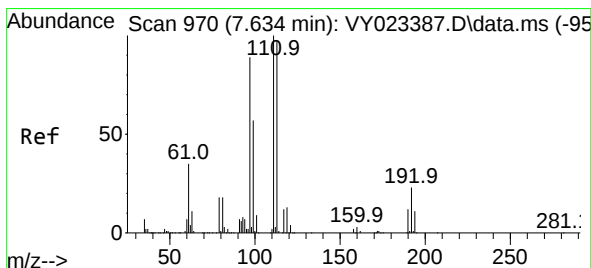
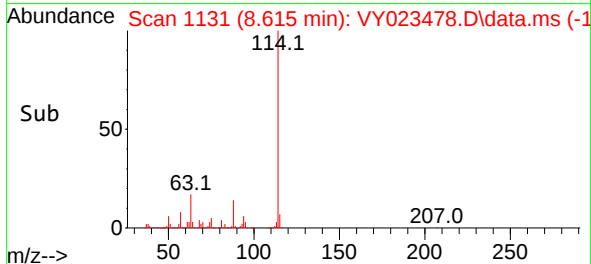
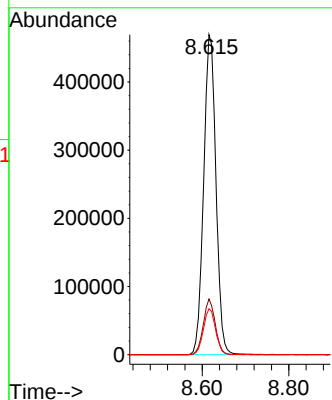
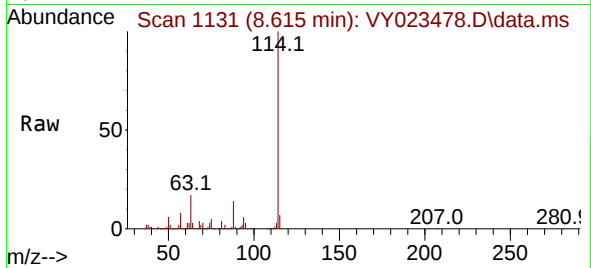
Tgt Ion: 65 Resp: 248950
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8





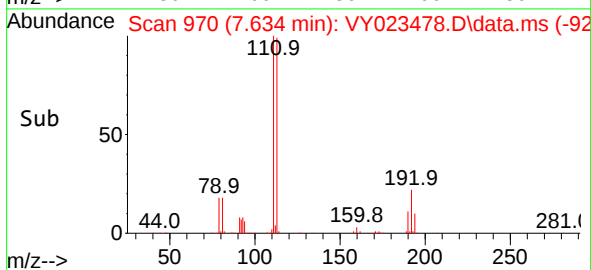
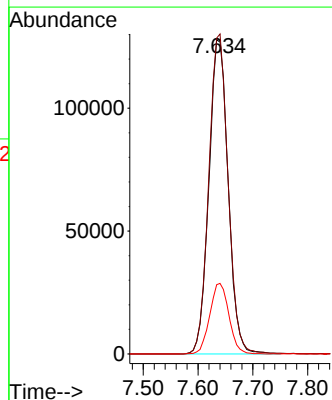
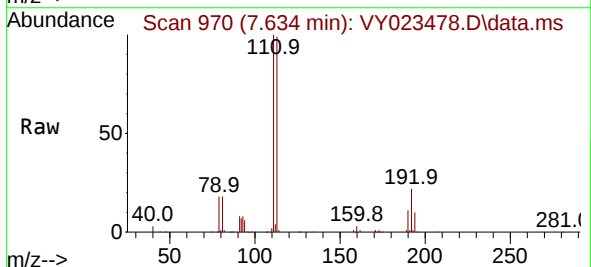
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023478.D
Acq: 15 Oct 2025 15:28

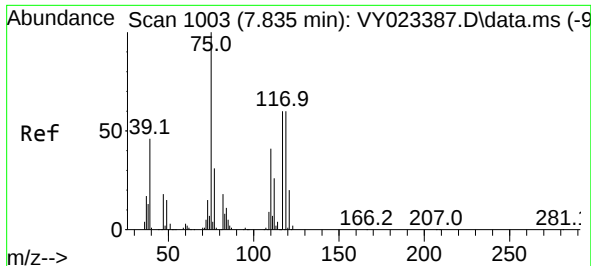
Tgt Ion:114 Resp: 923467
Ion Ratio Lower Upper
114 100
63 17.4 0.0 34.2
88 14.3 0.0 28.4



#35
Dibromofluoromethane
Concen: 54.983 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023478.D
Acq: 15 Oct 2025 15:28

Tgt Ion:113 Resp: 311986
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.6
192 22.3 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.361 ug/l

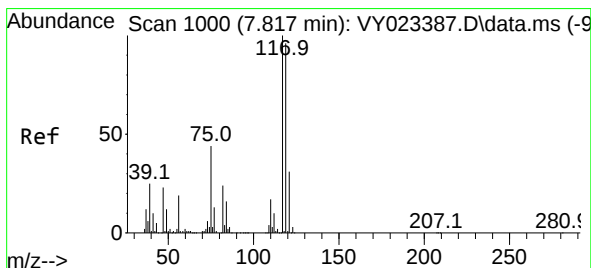
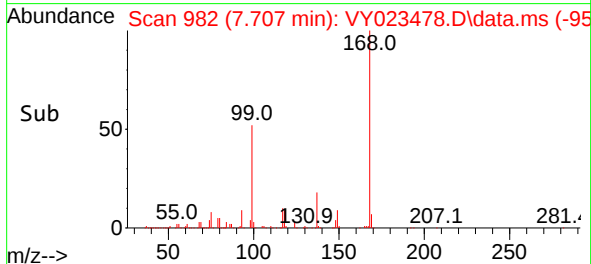
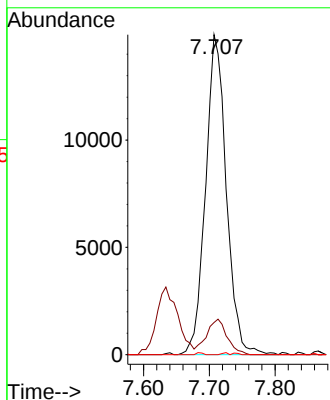
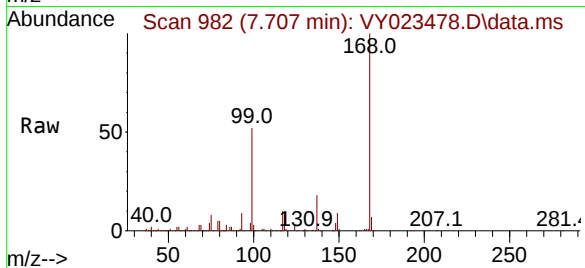
RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY023478.D

Acq: 15 Oct 2025 15:28

Tgt Ion: 75	Resp: 32757
Ion Ratio	Lower Upper
75 100	
110 11.1	19.9 59.7#
77 0.2	25.0 37.6#



#38

Carbon Tetrachloride

Concen: 4.944 ug/l

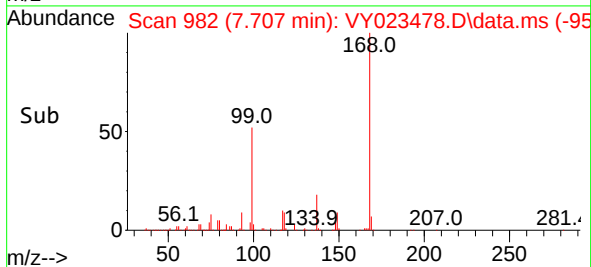
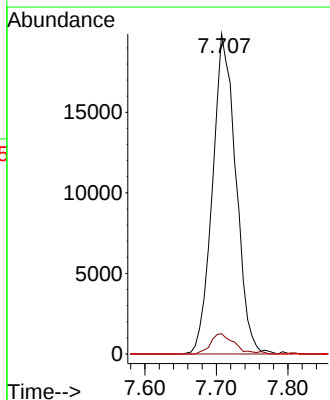
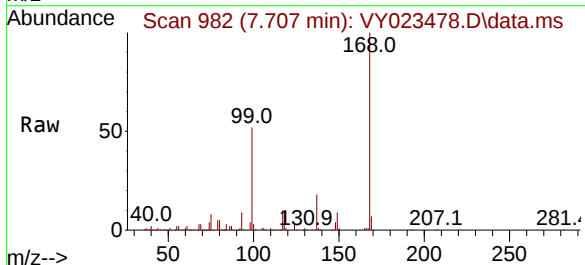
RT: 7.707 min Scan# 982

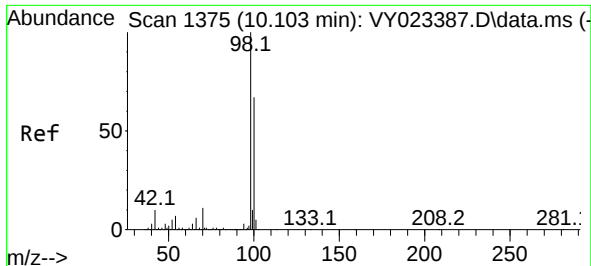
Delta R.T. -0.110 min

Lab File: VY023478.D

Acq: 15 Oct 2025 15:28

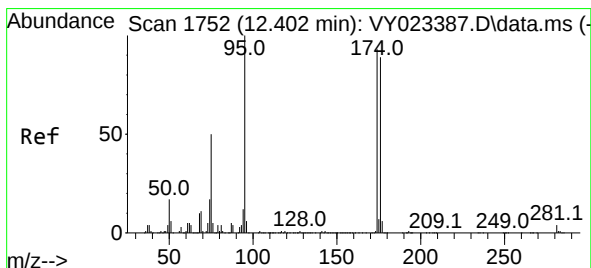
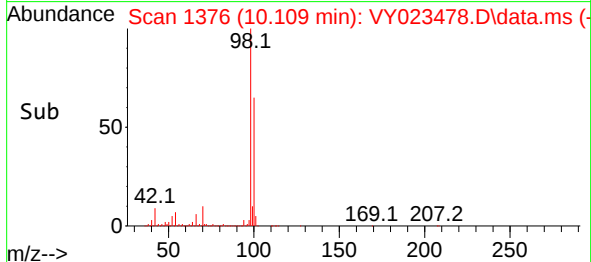
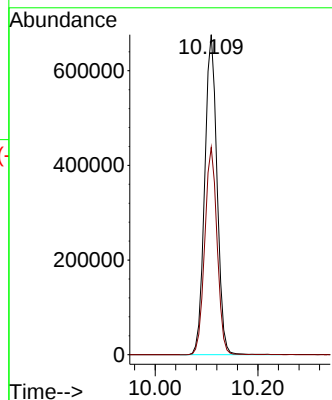
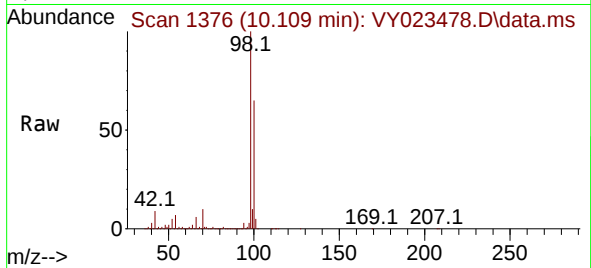
Tgt Ion: 117	Resp: 45031
Ion Ratio	Lower Upper
117 100	
119 6.3	76.8 115.2#
121 0.0	24.5 36.7#





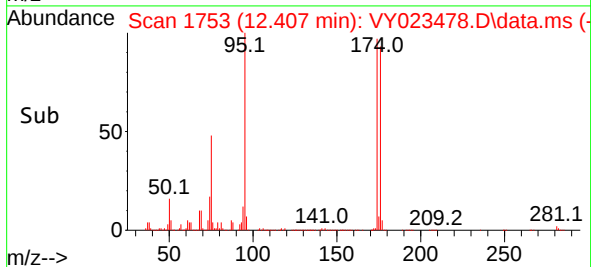
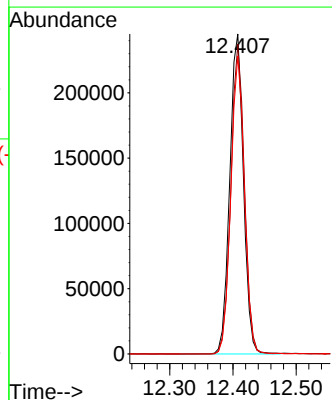
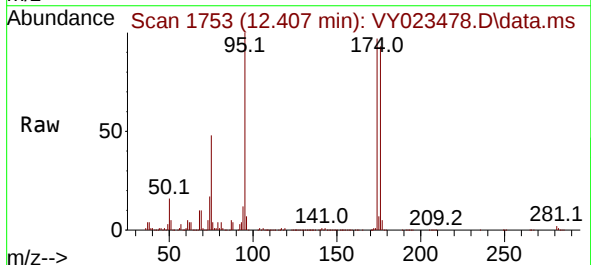
#50
Toluene-d8
Concen: 53.098 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023478.D
Acq: 15 Oct 2025 15:28

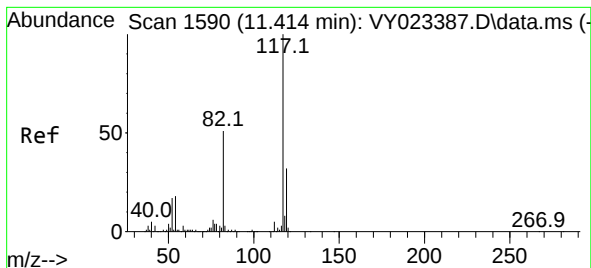
Tgt Ion: 98 Resp: 1122045
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 52.702 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023478.D
Acq: 15 Oct 2025 15:28

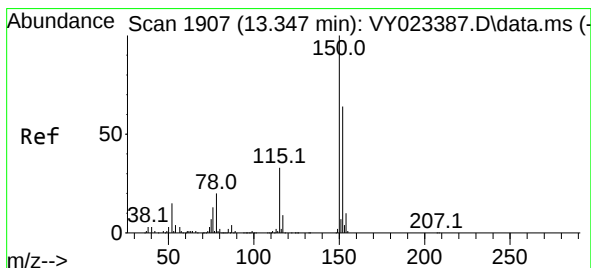
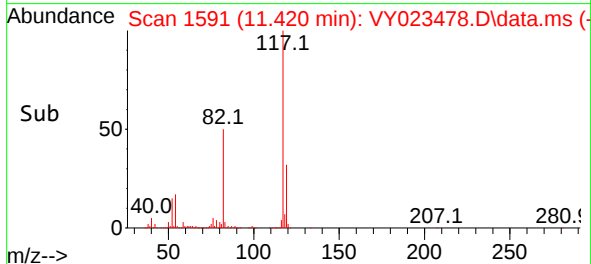
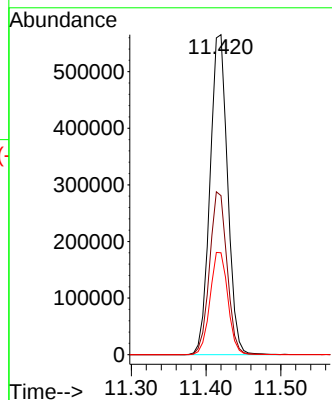
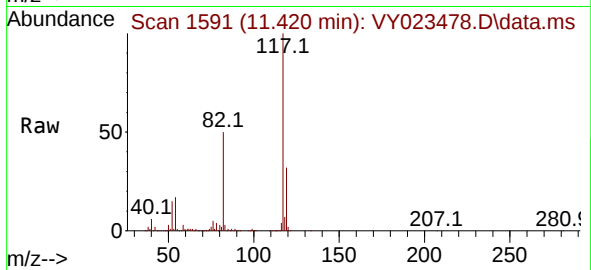
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Ion Ratio Lower Upper
95 100
174 96.1 0.0 192.8
176 92.2 0.0 187.6





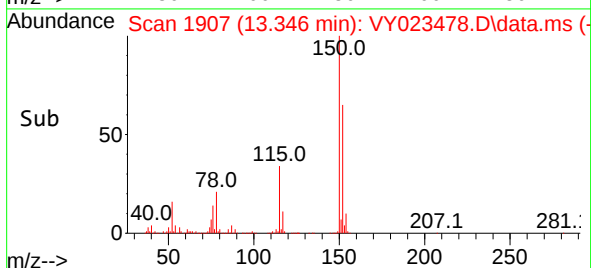
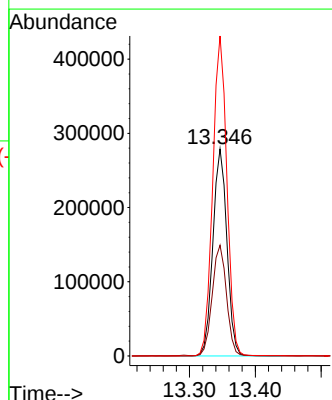
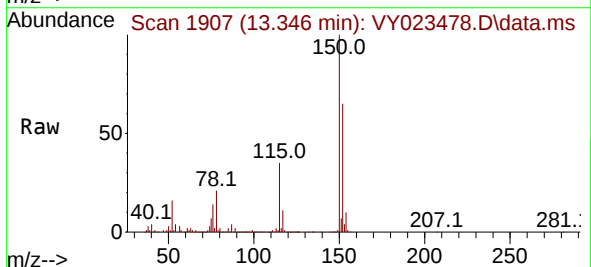
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023478.D
Acq: 15 Oct 2025 15:28

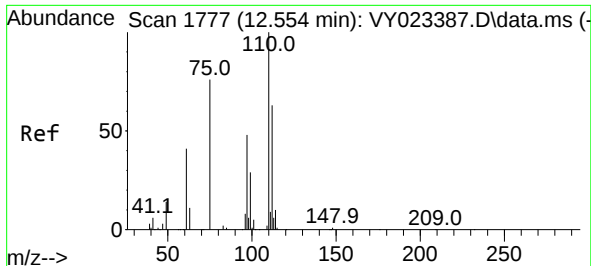
Tgt Ion:117 Resp: 922268
Ion Ratio Lower Upper
117 100
82 49.7 41.0 61.4
119 31.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023478.D
Acq: 15 Oct 2025 15:28

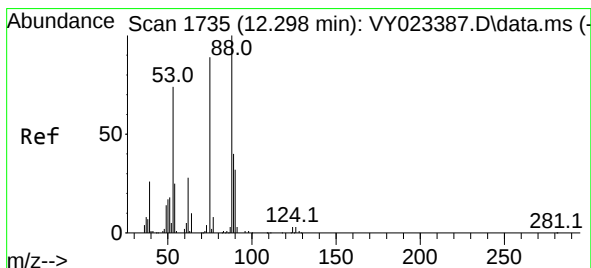
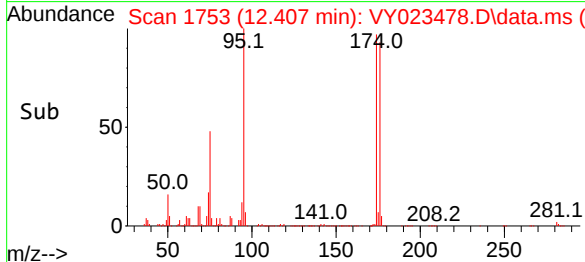
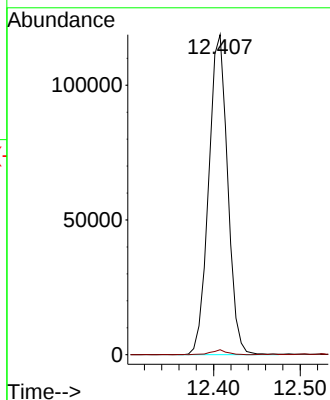
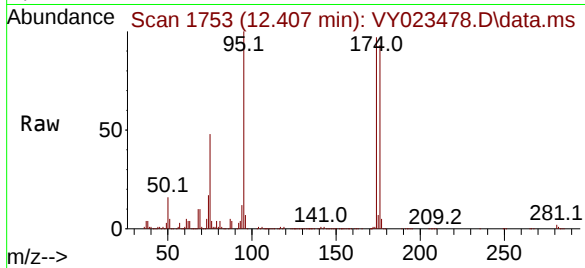
Tgt Ion:152 Resp: 415800
Ion Ratio Lower Upper
152 100
115 54.1 27.1 81.2
150 155.5 0.0 347.4





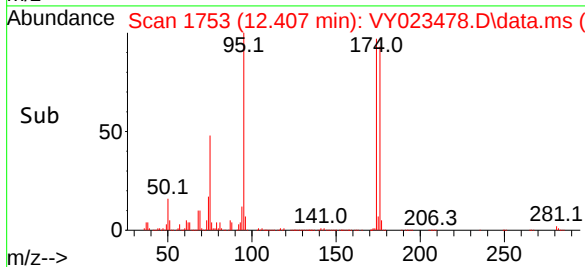
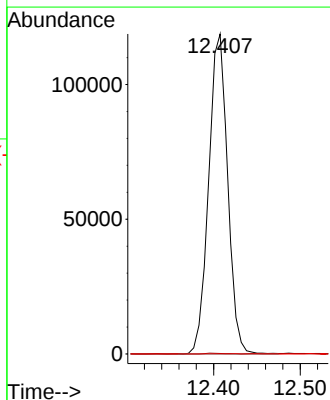
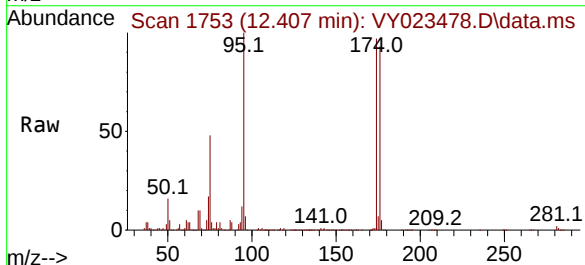
#76
1,2,3-Trichloropropane
Concen: 49.255 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023478.D
Acq: 15 Oct 2025 15:28

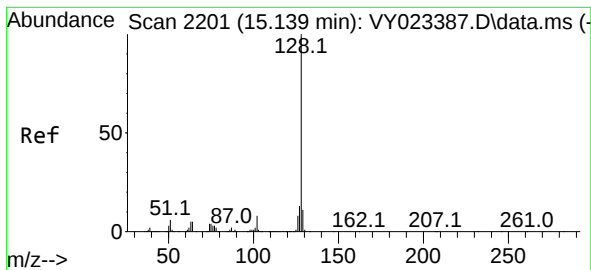
Tgt Ion: 75 Resp: 180692
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.784 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023478.D
Acq: 15 Oct 2025 15:28

Tgt Ion: 75 Resp: 180692
Ion Ratio Lower Upper
75 100
53 0.2 68.6 102.8#
89 0.0 39.0 58.4#





#95
Naphthalene
Concen: 2.898 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY023478.D
Acq: 15 Oct 2025 15:28

Tgt Ion:128 Resp: 35779
Ion Ratio Lower Upper
128 100
127 15.9 10.4 15.6#
129 11.9 8.9 13.3

