

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101525\
 Data File : VY023476.D
 Acq On : 15 Oct 2025 13:38
 Operator : SY/MD
 Sample : Q3352-03
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 16 02:45:00 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

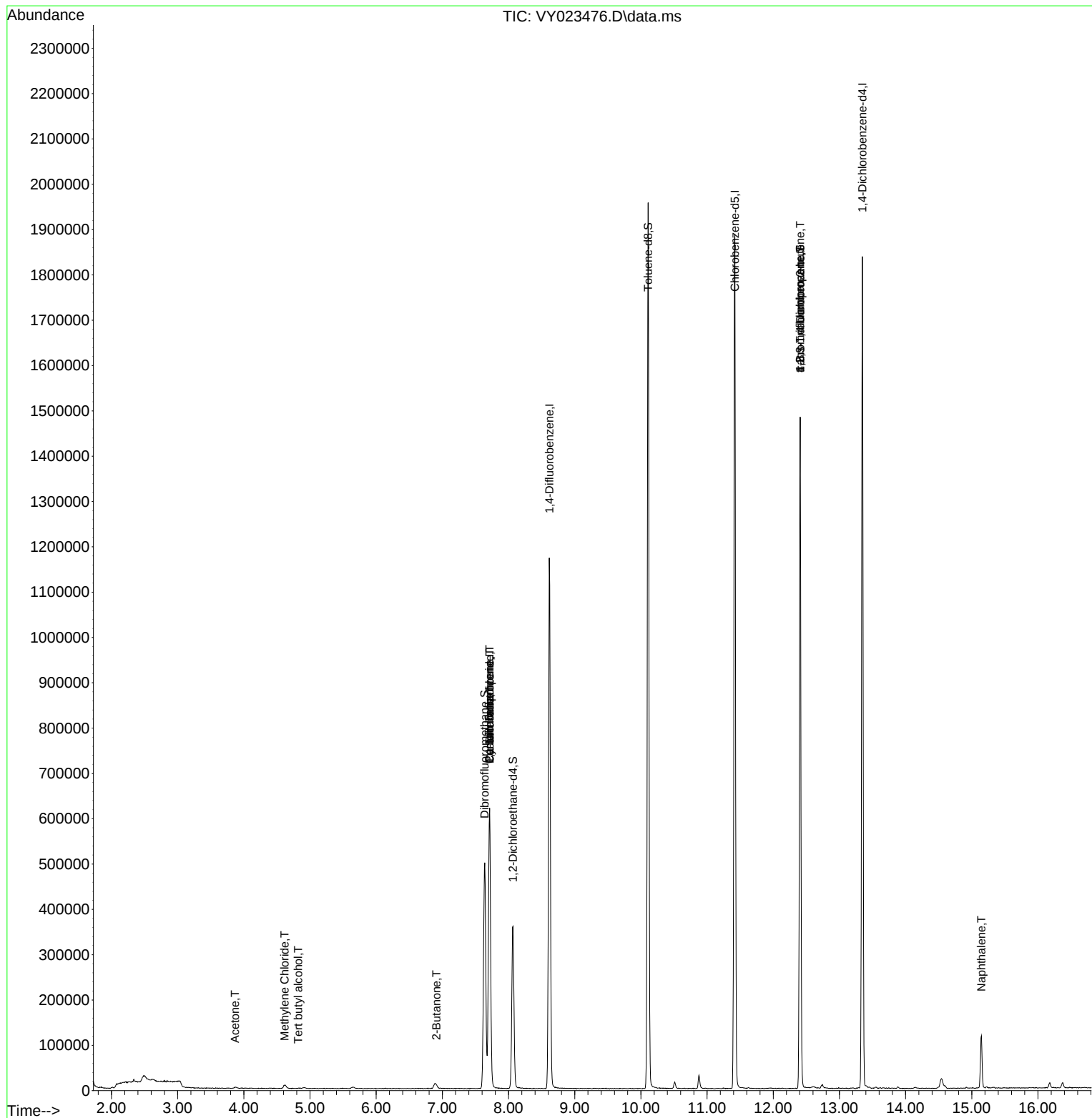
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	521144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1049792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1089733	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	488564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	283570	65.071	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.140%	
35) Dibromofluoromethane	7.640	113	359594	55.747	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.500%	
50) Toluene-d8	10.109	98	1280737	53.315	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.620%	
62) 4-Bromofluorobenzene	12.408	95	434987	54.847	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.700%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.823	59	499	1.539	ug/l #	72
16) Acetone	3.866	43	4506	4.343	ug/l	93
20) Methylene Chloride	4.616	84	6351	1.132	ug/l	91
25) 2-Butanone	6.908	43	1548	1.222	ug/l	92
31) Cyclohexane	7.713	56	8907	1.229	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	35477	4.154	ug/l #	47
38) Carbon Tetrachloride	7.713	117	46116	4.454	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	213935	49.632	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	213935	121.707	ug/l #	14
95) Naphthalene	15.145	128	102138	7.040	ug/l	99

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

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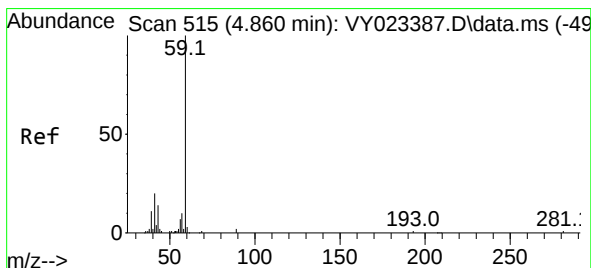
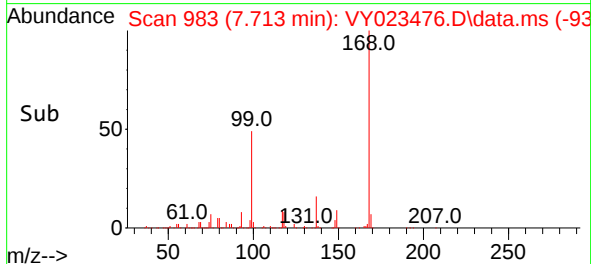
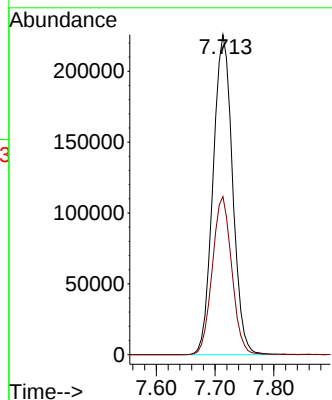
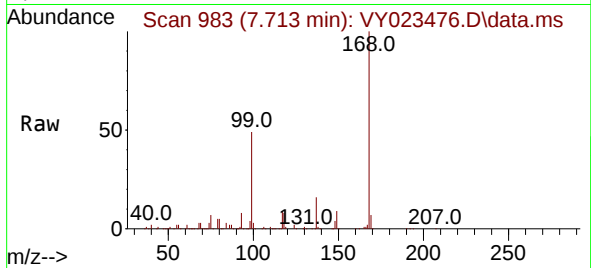
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration





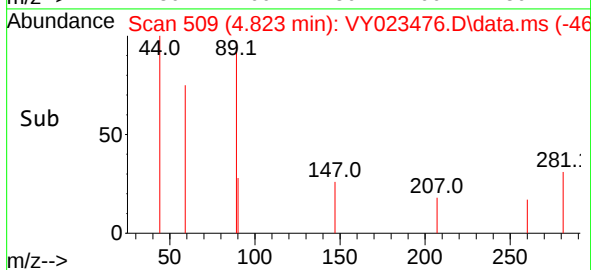
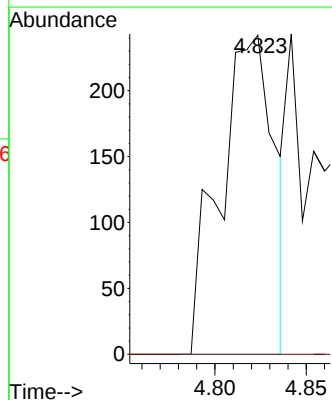
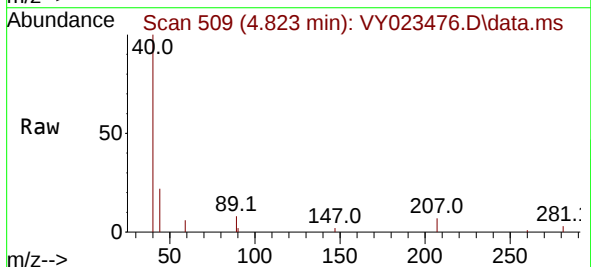
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023476.D
Acq: 15 Oct 2025 13:38

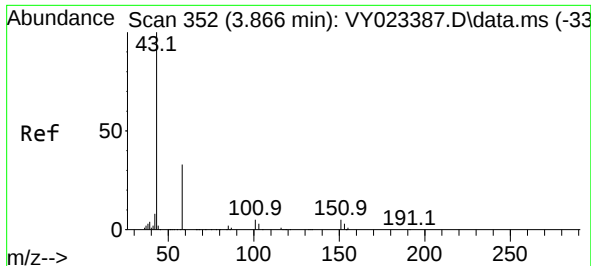
Tgt Ion:168 Resp: 521144
Ion Ratio Lower Upper
168 100
99 49.4 39.7 59.5



#11
Tert butyl alcohol
Concen: 1.539 ug/l
RT: 4.823 min Scan# 509
Delta R.T. -0.037 min
Lab File: VY023476.D
Acq: 15 Oct 2025 13:38

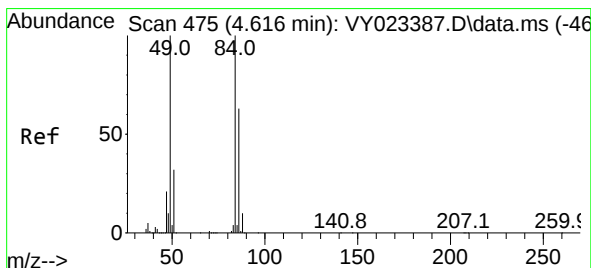
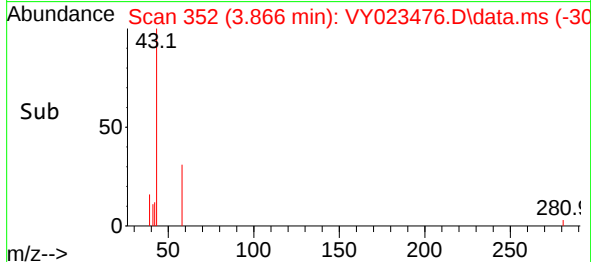
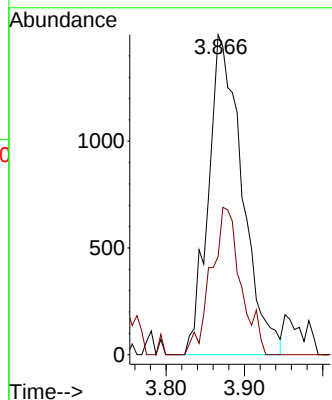
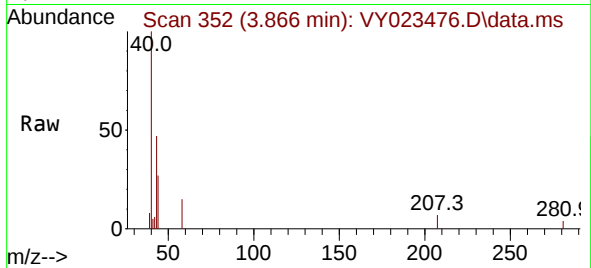
Tgt Ion: 59 Resp: 499
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





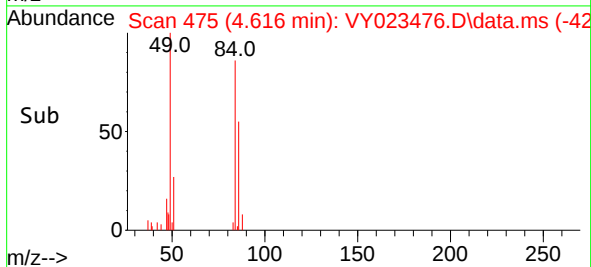
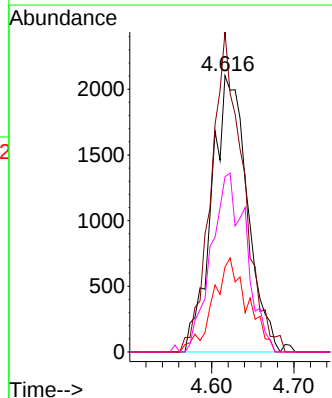
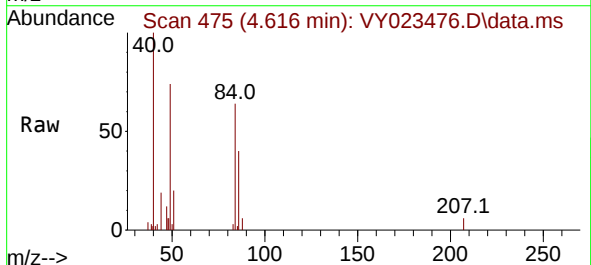
#16
Acetone
Concen: 4.343 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023476.D
Acq: 15 Oct 2025 13:38

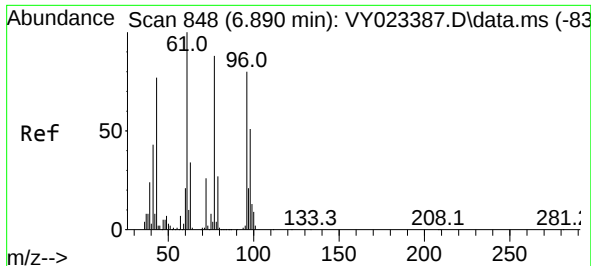
Tgt Ion: 43 Resp: 4506
Ion Ratio Lower Upper
43 100
58 30.7 27.7 41.5



#20
Methylene Chloride
Concen: 1.132 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023476.D
Acq: 15 Oct 2025 13:38

Tgt Ion: 84 Resp: 6351
Ion Ratio Lower Upper
84 100
49 115.8 80.2 120.4
51 30.8 25.9 38.9
86 63.4 50.6 75.8





#25

2-Butanone

Concen: 1.222 ug/l

RT: 6.908 min Scan# 851

Delta R.T. 0.018 min

Lab File: VY023476.D

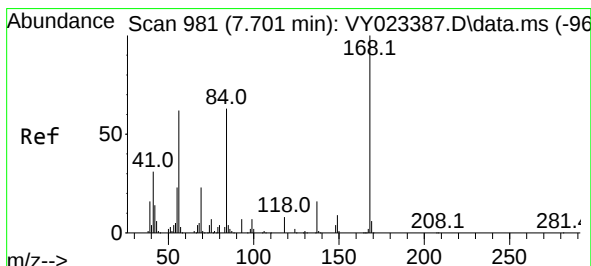
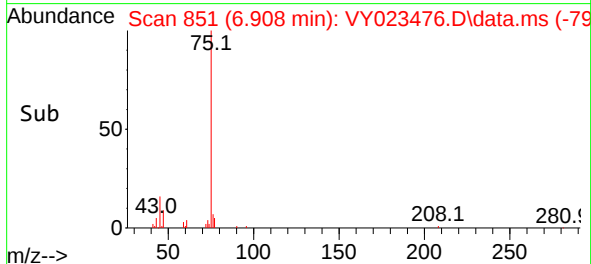
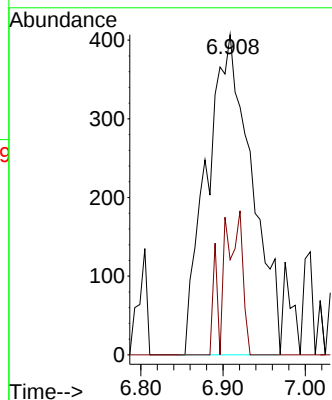
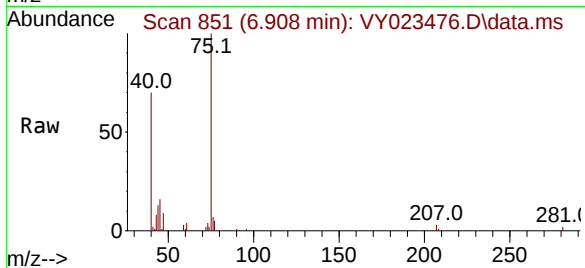
Acq: 15 Oct 2025 13:38

Tgt Ion: 43 Resp: 1548

Ion Ratio Lower Upper

43 100

72 29.7 27.4 41.2



#31

Cyclohexane

Concen: 1.229 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.012 min

Lab File: VY023476.D

Acq: 15 Oct 2025 13:38

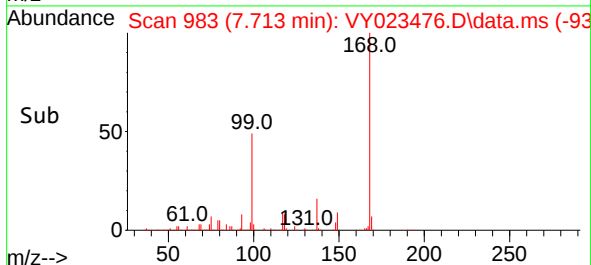
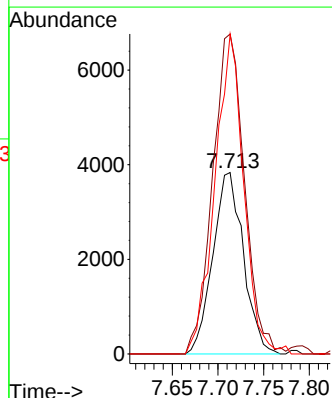
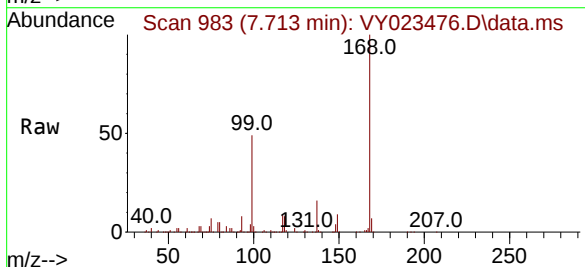
Tgt Ion: 56 Resp: 8907

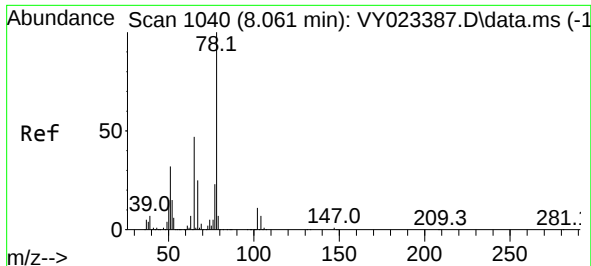
Ion Ratio Lower Upper

56 100

69 176.4 30.0 45.0#

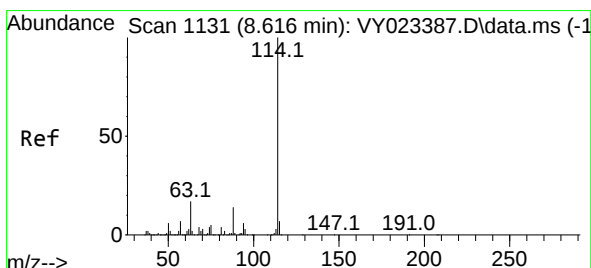
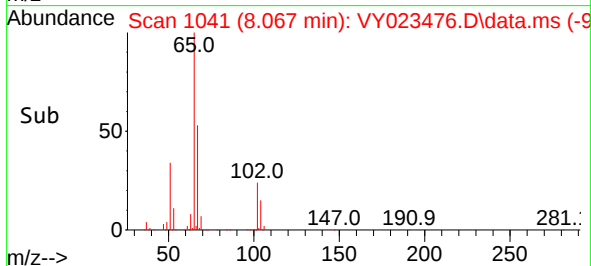
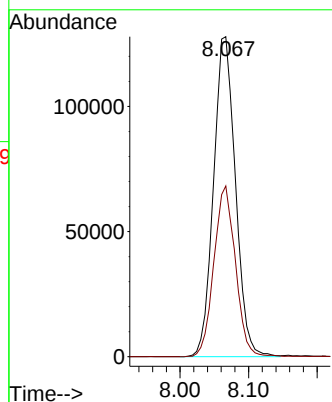
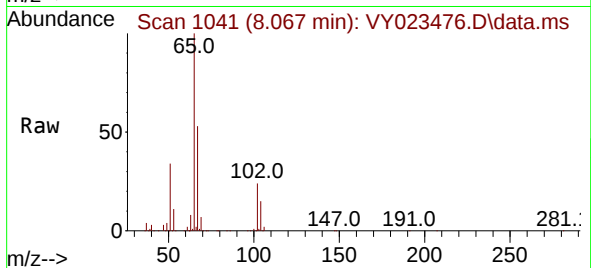
84 176.2 81.2 121.8#





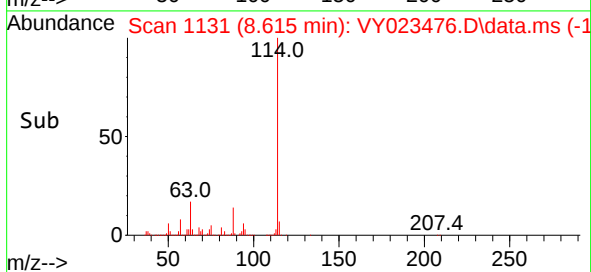
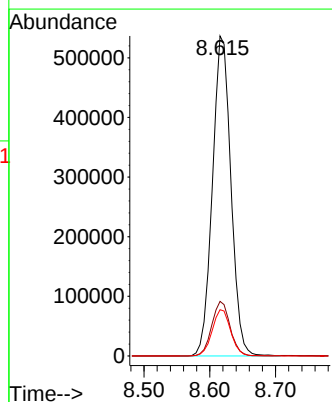
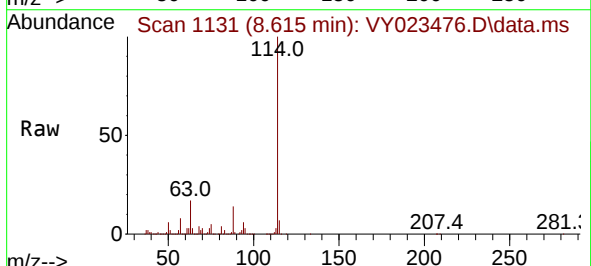
#33
 1,2-Dichloroethane-d4
 Concen: 65.071 ug/l
 RT: 8.067 min Scan# 1041
 Delta R.T. 0.006 min
 Lab File: VY023476.D
 Acq: 15 Oct 2025 13:38

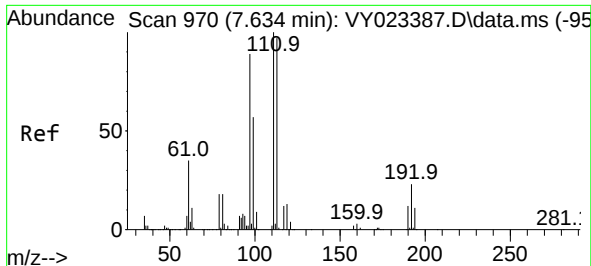
Tgt Ion: 65 Resp: 283570
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.615 min Scan# 1131
 Delta R.T. -0.000 min
 Lab File: VY023476.D
 Acq: 15 Oct 2025 13:38

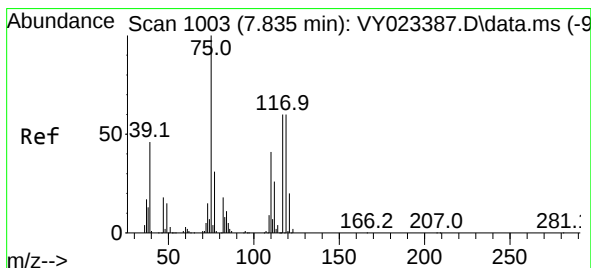
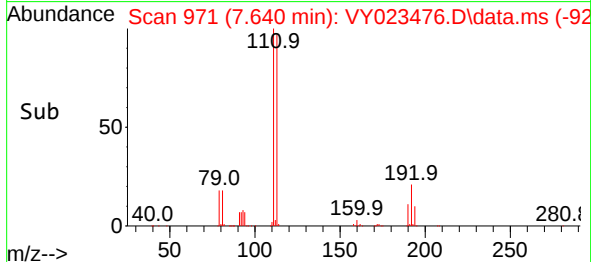
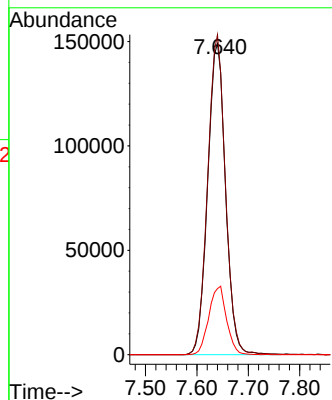
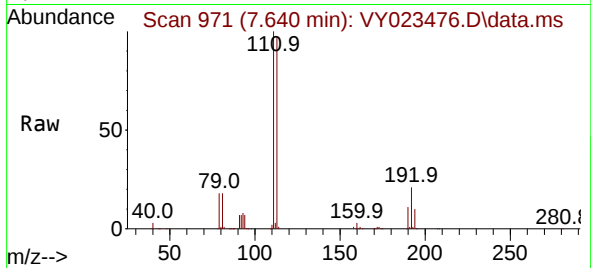
Tgt Ion: 114 Resp: 1049792
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 34.2
 88 14.5 0.0 28.4





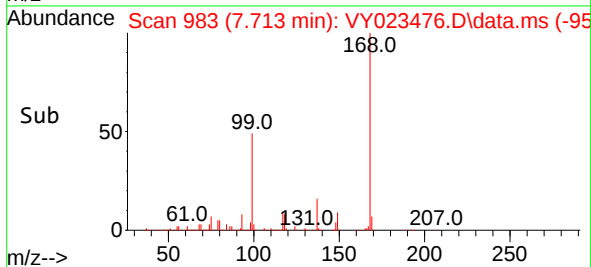
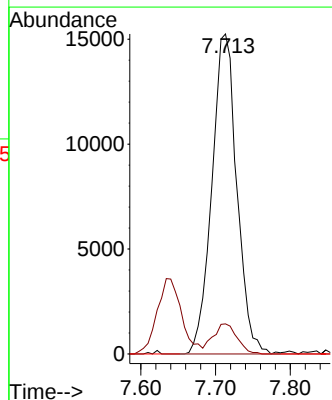
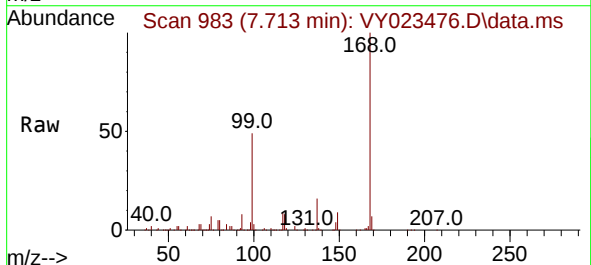
#35
Dibromofluoromethane
Concen: 55.747 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023476.D
Acq: 15 Oct 2025 13:38

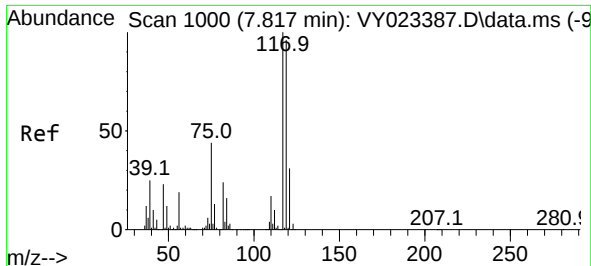
Tgt Ion:113 Resp: 359594
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.6
192 21.8 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.154 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023476.D
Acq: 15 Oct 2025 13:38

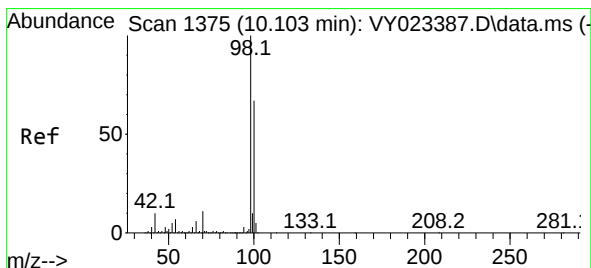
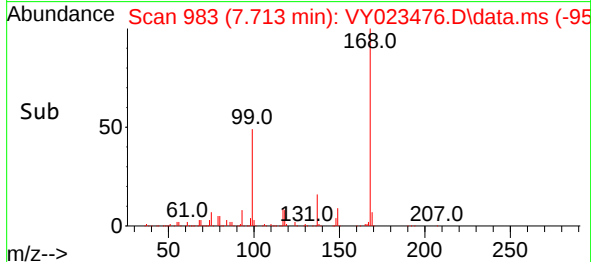
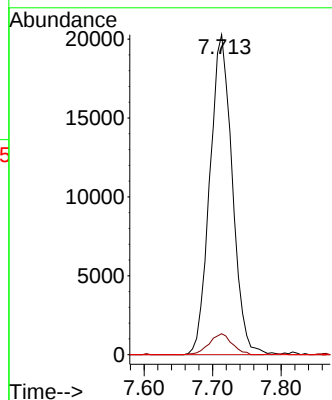
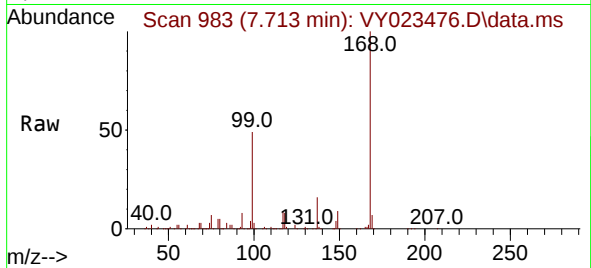
Tgt Ion: 75 Resp: 35477
Ion Ratio Lower Upper
75 100
110 9.0 19.9 59.7#
77 0.0 25.0 37.6#





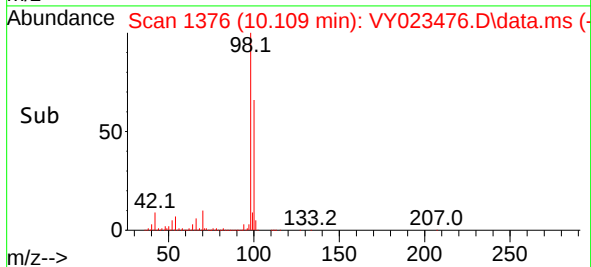
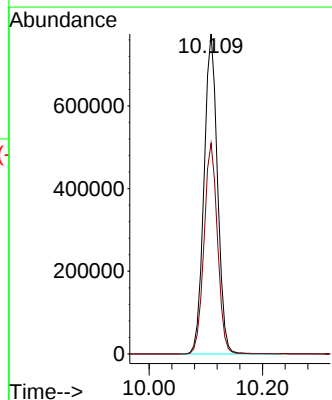
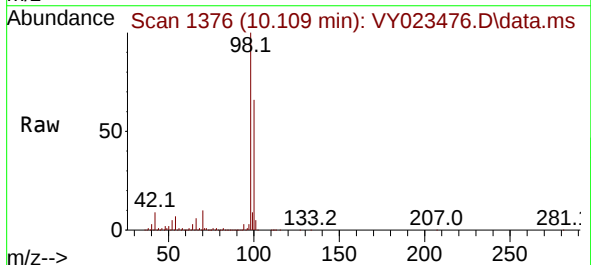
#38
Carbon Tetrachloride
Concen: 4.454 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.104 min
Lab File: VY023476.D
Acq: 15 Oct 2025 13:38

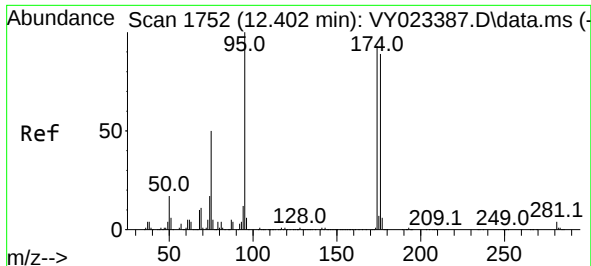
Tgt Ion:117 Resp: 46116
Ion Ratio Lower Upper
117 100
119 6.5 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 53.315 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023476.D
Acq: 15 Oct 2025 13:38

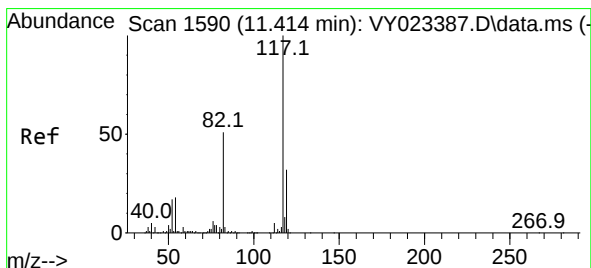
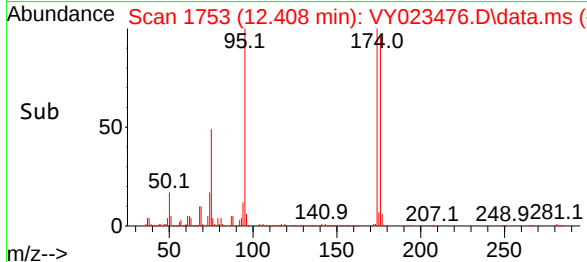
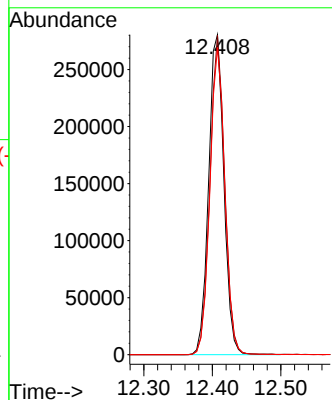
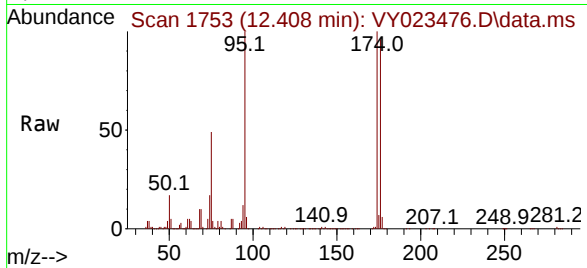
Tgt Ion: 98 Resp: 1280737
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4





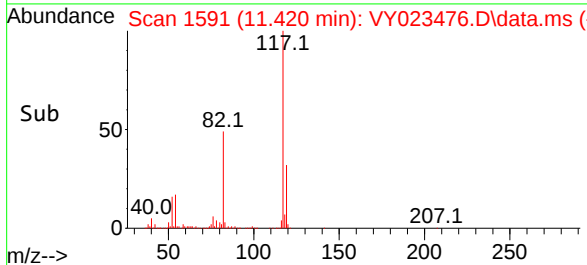
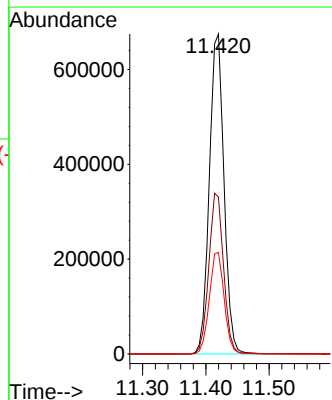
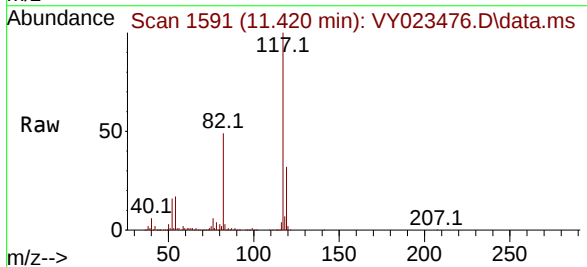
#62
4-Bromofluorobenzene
Concen: 54.847 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023476.D
Acq: 15 Oct 2025 13:38

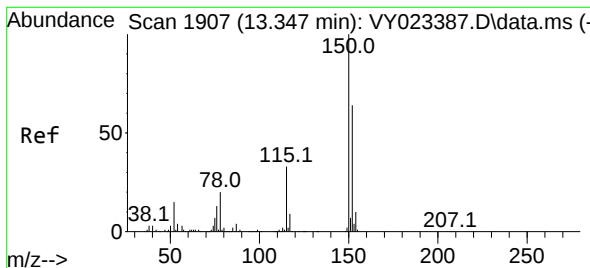
Tgt Ion: 95 Resp: 434987
Ion Ratio Lower Upper
95 100
174 96.6 0.0 192.8
176 93.9 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023476.D
Acq: 15 Oct 2025 13:38

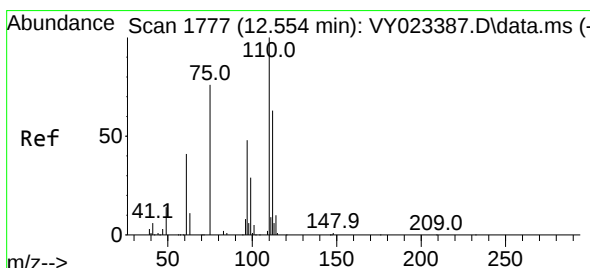
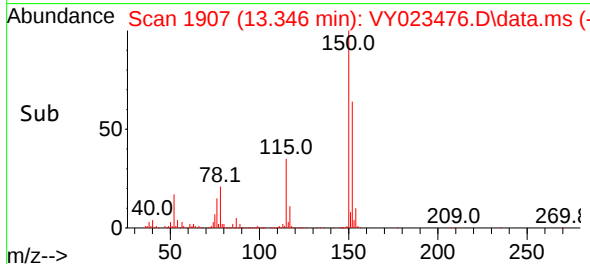
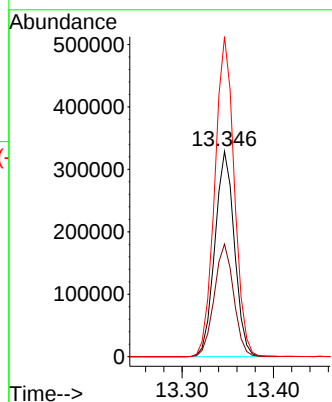
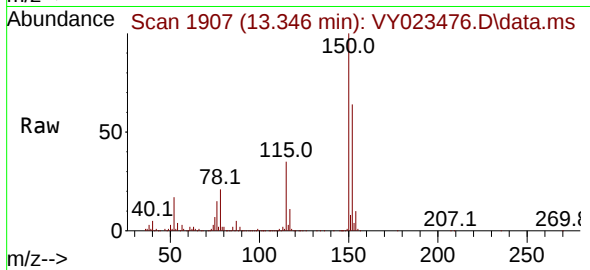
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Ion Ratio Lower Upper
117 100
82 49.0 41.0 61.4
119 31.8 25.6 38.4





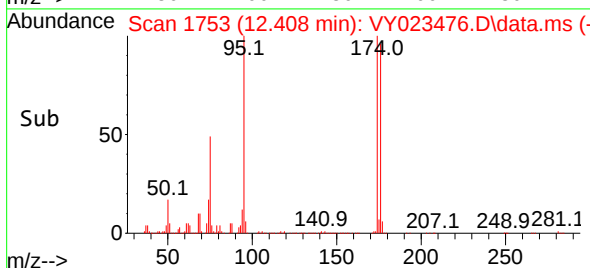
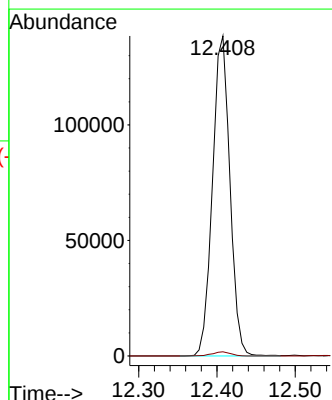
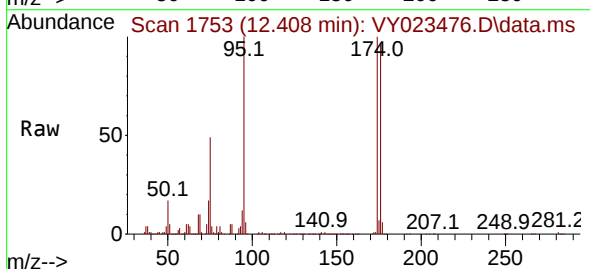
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023476.D
 Acq: 15 Oct 2025 13:38

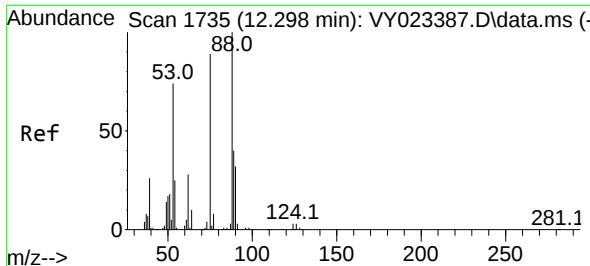
Tgt Ion:152 Resp: 488564
 Ion Ratio Lower Upper
 152 100
 115 54.6 27.1 81.2
 150 155.8 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 49.632 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY023476.D
 Acq: 15 Oct 2025 13:38

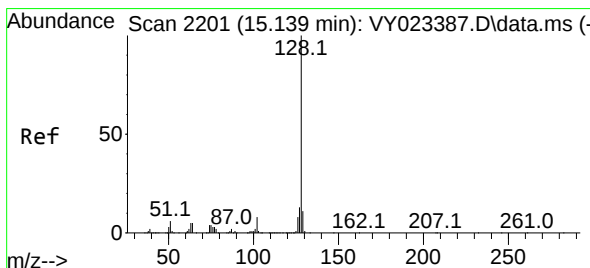
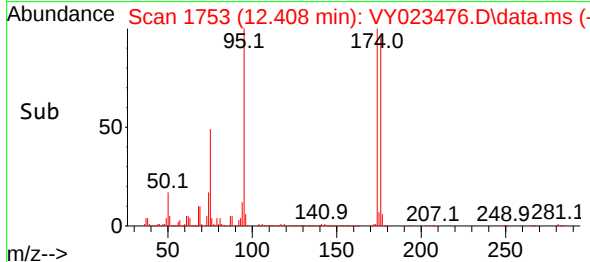
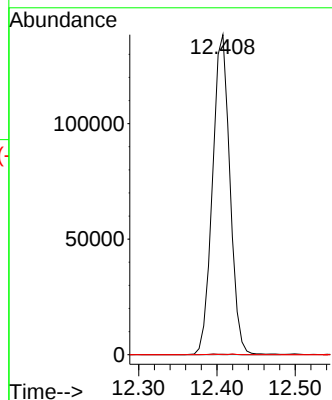
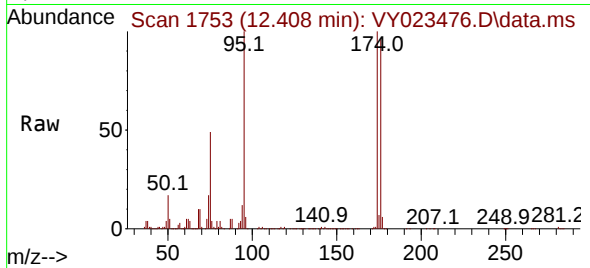
Tgt Ion: 75 Resp: 213935
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 121.707 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023476.D
Acq: 15 Oct 2025 13:38

Tgt Ion: 75 Resp: 213935
Ion Ratio Lower Upper
75 100
53 0.0 68.6 102.8#
89 0.1 39.0 58.4#



#95
Naphthalene
Concen: 7.040 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY023476.D
Acq: 15 Oct 2025 13:38

Tgt Ion:128 Resp: 102138
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.2 8.9 13.3

