

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101525\
 Data File : VY023475.D
 Acq On : 15 Oct 2025 13:15
 Operator : SY/MD
 Sample : Q3348-07
 Misc : 4.79g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 16 02:44:39 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

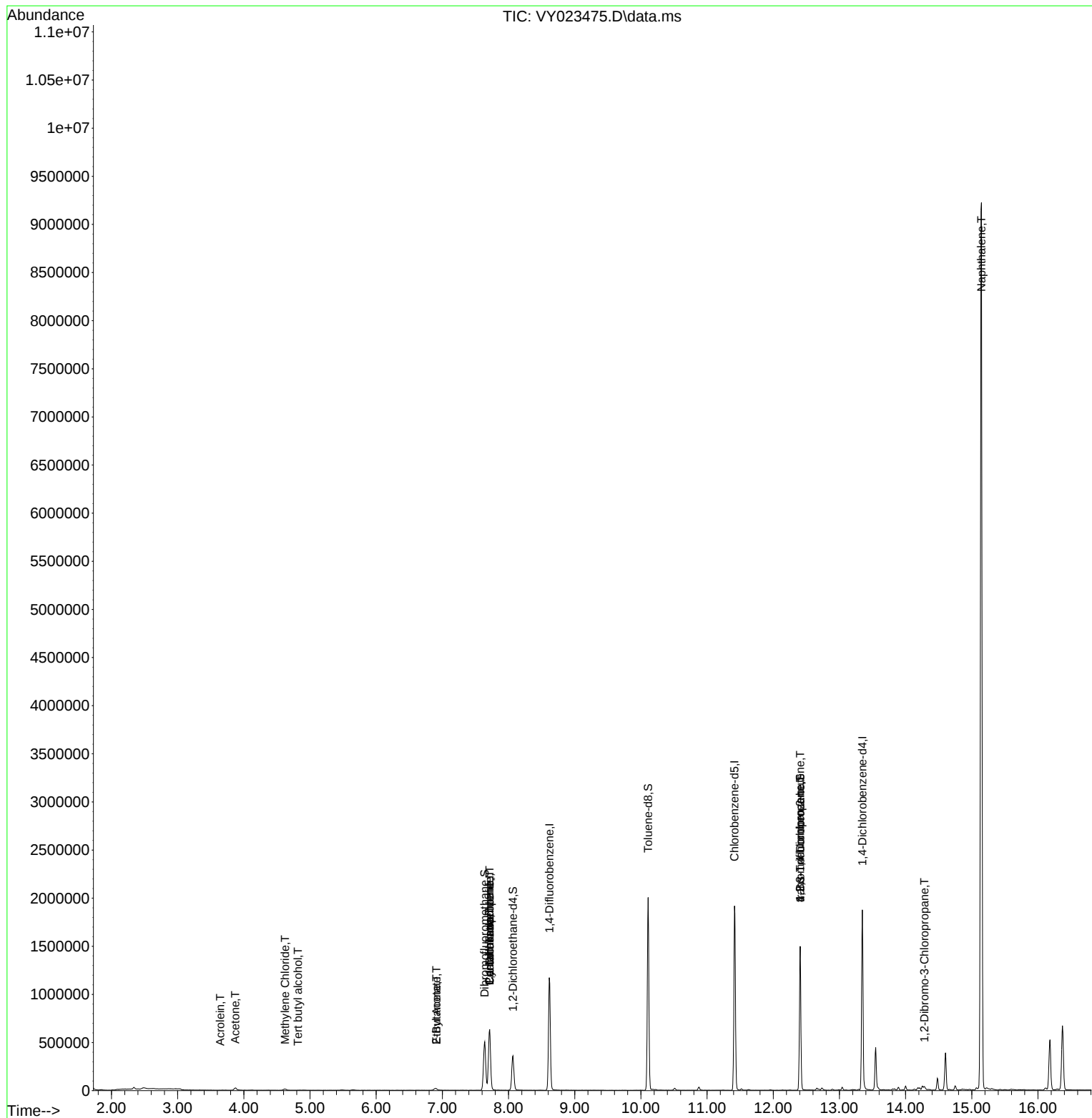
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	528132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1056119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1094625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	490229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	280335	63.477	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.960%	
35) Dibromofluoromethane	7.640	113	356102	54.875	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.740%	
50) Toluene-d8	10.109	98	1290496	53.399	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.800%	
62) 4-Bromofluorobenzene	12.408	95	431174	54.041	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.818	59	547	1.665	ug/l #	72
13) Acrolein	3.641	56	481	1.036	ug/l #	15
16) Acetone	3.873	43	40579	38.596	ug/l	97
20) Methylene Chloride	4.622	84	10057	1.769	ug/l #	89
25) 2-Butanone	6.909	43	13707	10.679	ug/l	93
31) Cyclohexane	7.713	56	9425	1.283	ug/l #	7
36) 1,1-Dichloropropene	7.713	75	34958	4.069	ug/l #	48
37) Ethyl Acetate	6.909	43	13707	4.027	ug/l #	75
38) Carbon Tetrachloride	7.713	117	48483	4.654	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	214785	49.660	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	214785	121.775	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.285	75	1193	1.376	ug/l #	1
95) Naphthalene	15.145	128	7585704	521.115	ug/l	99

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

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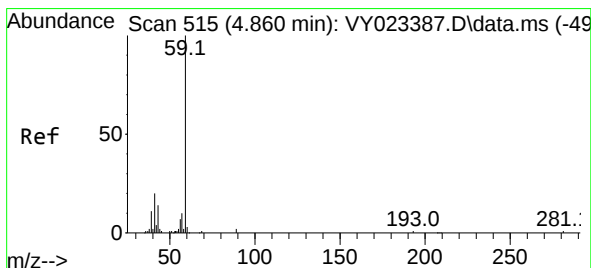
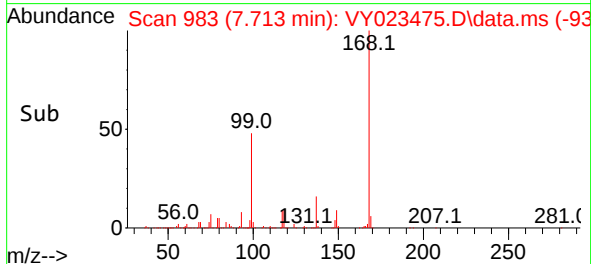
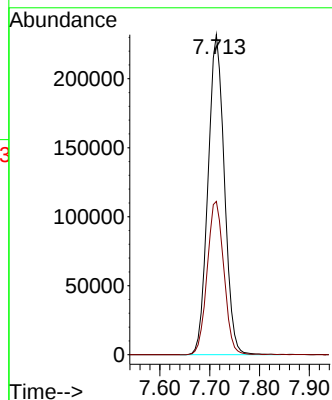
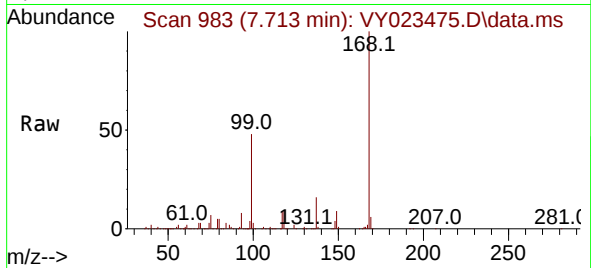
Quant Time: Oct 16 02:44:39 2025
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QLast Update : Wed Oct 08 05:12:50 2025
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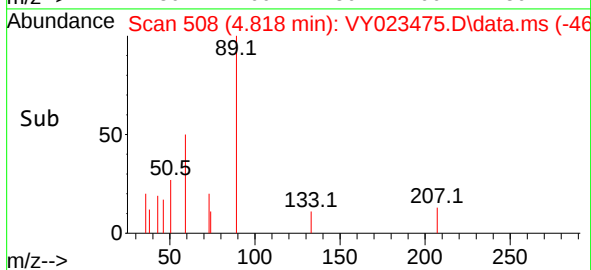
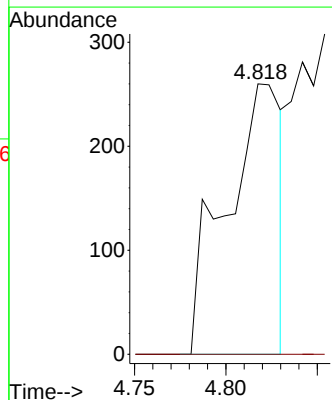
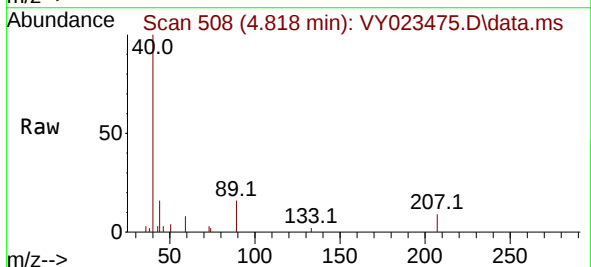
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023475.D
Acq: 15 Oct 2025 13:15

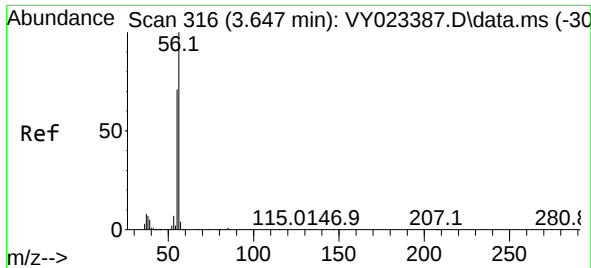
Tgt Ion:168 Resp: 528132
Ion Ratio Lower Upper
168 100
99 47.9 39.7 59.5



#11
Tert butyl alcohol
Concen: 1.665 ug/l
RT: 4.818 min Scan# 508
Delta R.T. -0.043 min
Lab File: VY023475.D
Acq: 15 Oct 2025 13:15

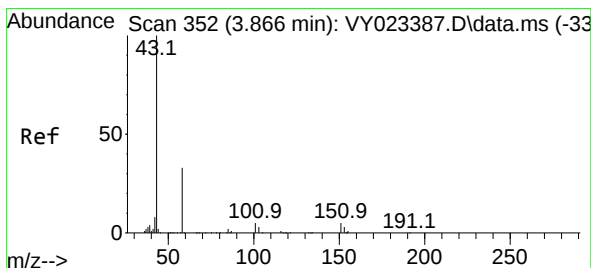
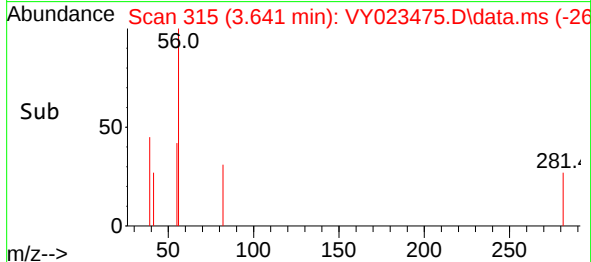
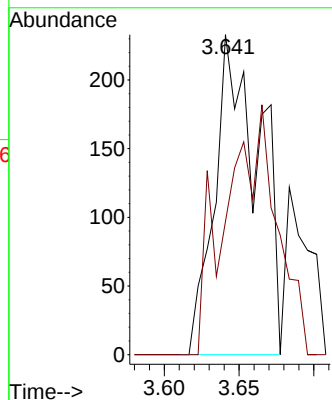
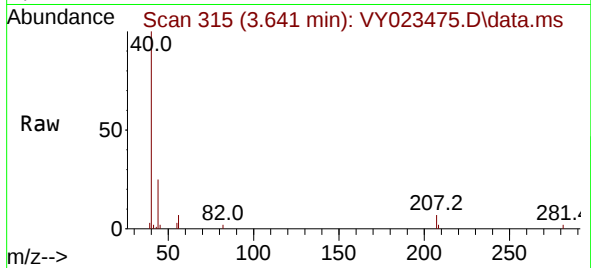
Tgt Ion: 59 Resp: 547
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





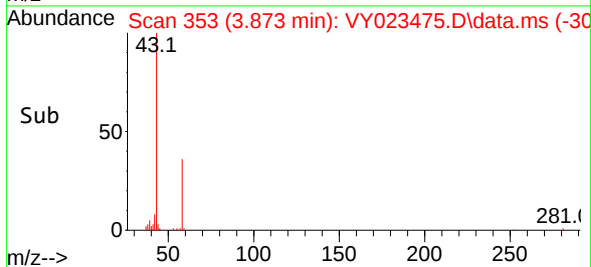
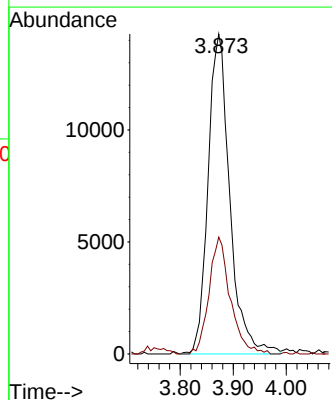
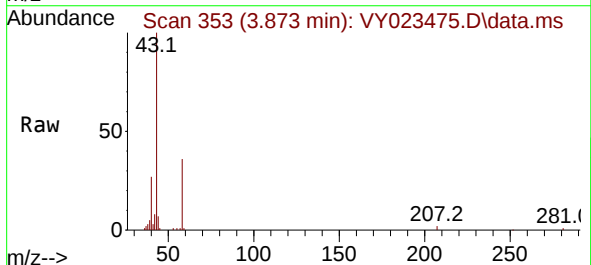
#13
Acrolein
Concen: 1.036 ug/l
RT: 3.641 min Scan# 315
Delta R.T. -0.006 min
Lab File: VY023475.D
Acq: 15 Oct 2025 13:15

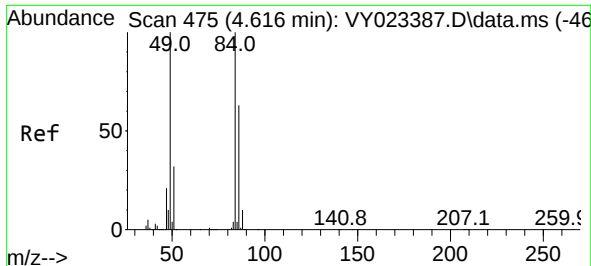
Tgt Ion: 56 Resp: 481
Ion Ratio Lower Upper
56 100
55 0.0 56.1 84.1#



#16
Acetone
Concen: 38.596 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023475.D
Acq: 15 Oct 2025 13:15

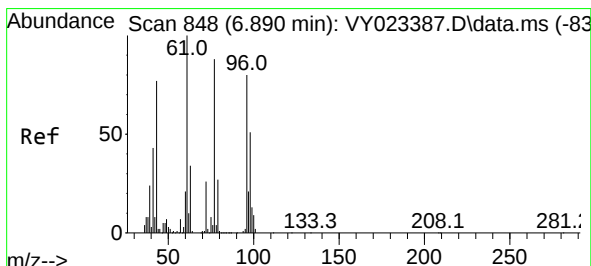
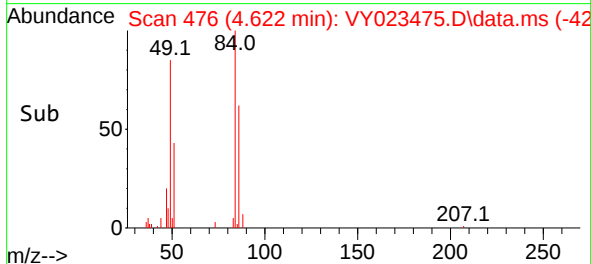
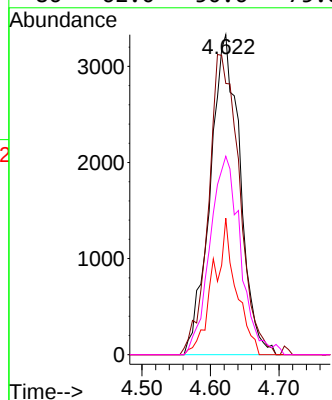
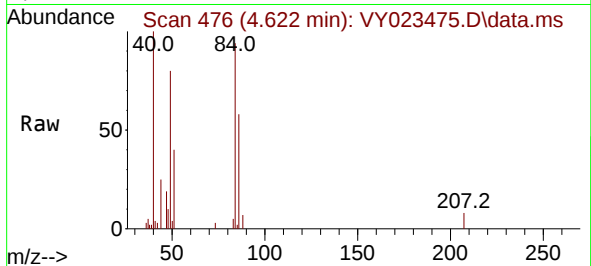
Tgt Ion: 43 Resp: 40579
Ion Ratio Lower Upper
43 100
58 36.5 27.7 41.5





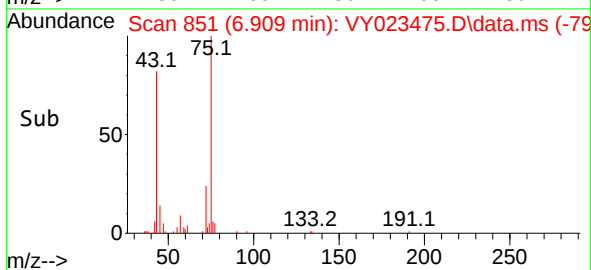
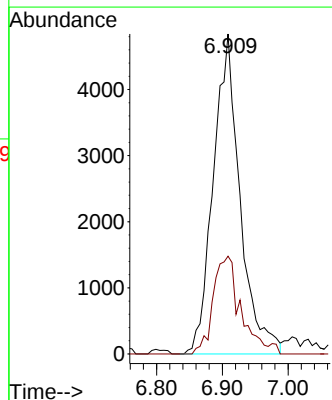
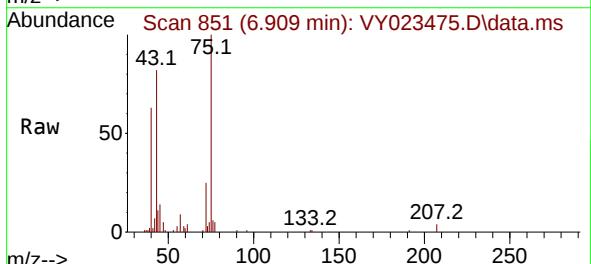
#20
Methylene Chloride
Concen: 1.769 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023475.D
Acq: 15 Oct 2025 13:15

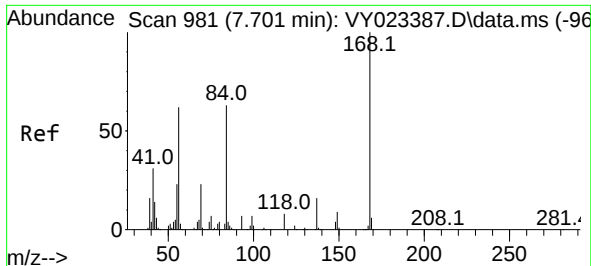
Tgt Ion:	84	Resp:	10057
Ion	Ratio	Lower	Upper
84	100		
49	84.8	80.2	120.4
51	42.7	25.9	38.9#
86	62.0	50.6	75.8



#25
2-Butanone
Concen: 10.679 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.018 min
Lab File: VY023475.D
Acq: 15 Oct 2025 13:15

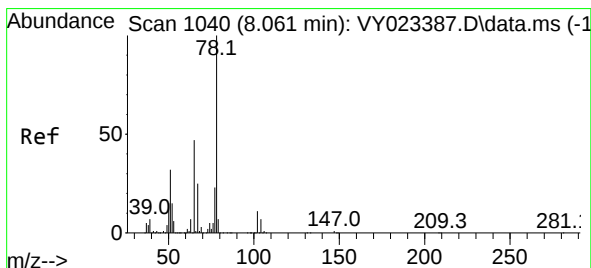
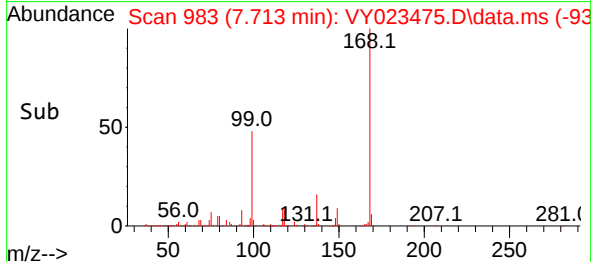
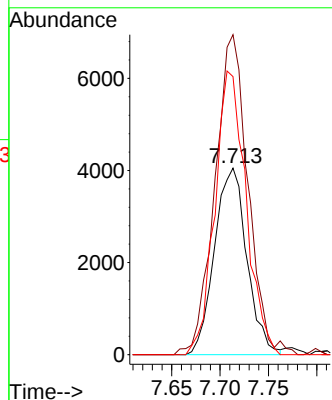
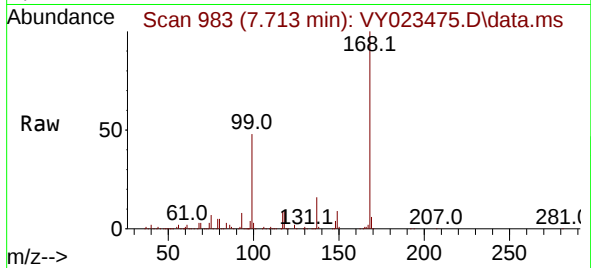
Tgt Ion:	43	Resp:	13707
Ion	Ratio	Lower	Upper
43	100		
72	30.5	27.4	41.2





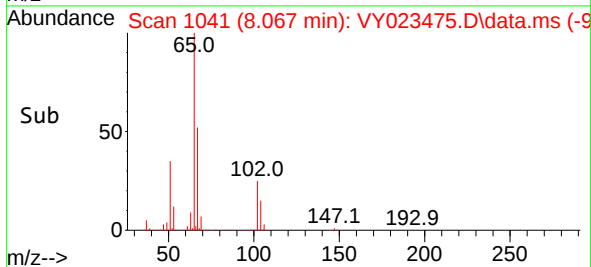
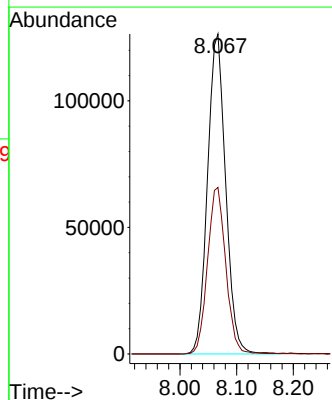
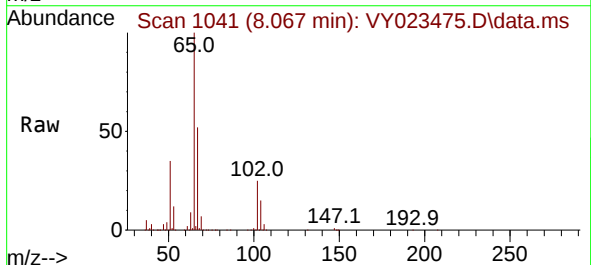
#31
Cyclohexane
Concen: 1.283 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023475.D
Acq: 15 Oct 2025 13:15

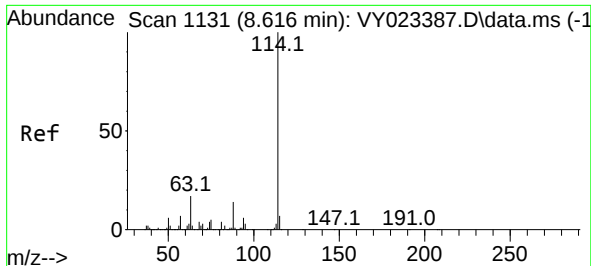
Tgt Ion: 56 Resp: 9425
Ion Ratio Lower Upper
56 100
69 168.5 30.0 45.0#
84 149.1 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 63.477 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023475.D
Acq: 15 Oct 2025 13:15

Tgt Ion: 65 Resp: 280335
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: VY023475.D

Acq: 15 Oct 2025 13:15

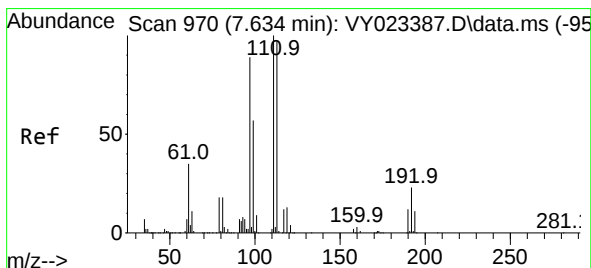
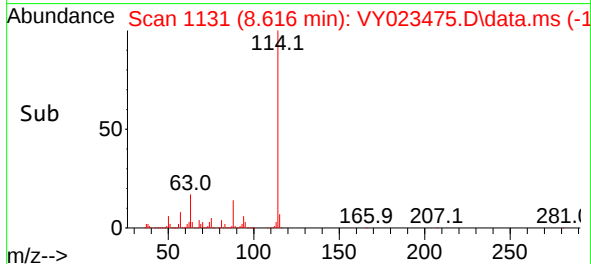
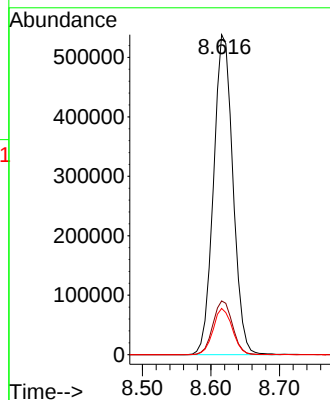
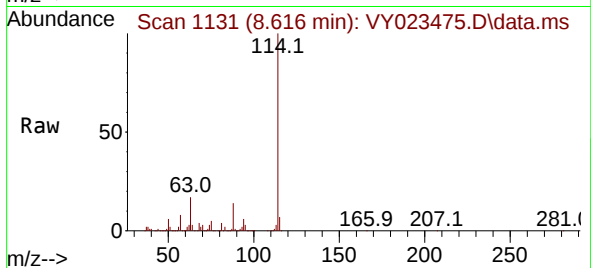
Tgt Ion:114 Resp: 1056119

Ion Ratio Lower Upper

114 100

63 16.8 0.0 34.2

88 14.4 0.0 28.4



#35

Dibromofluoromethane

Concen: 54.875 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023475.D

Acq: 15 Oct 2025 13:15

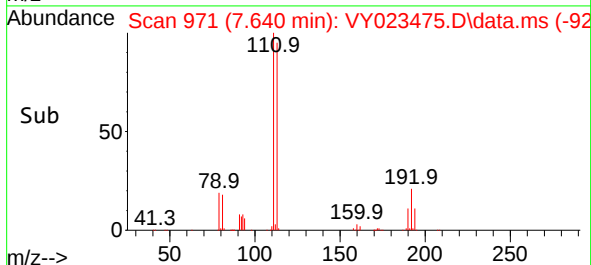
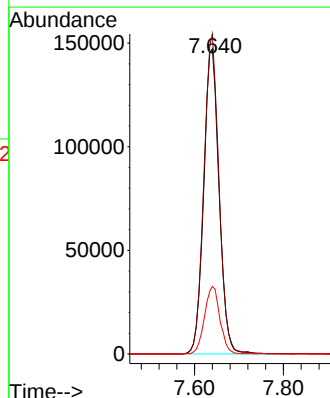
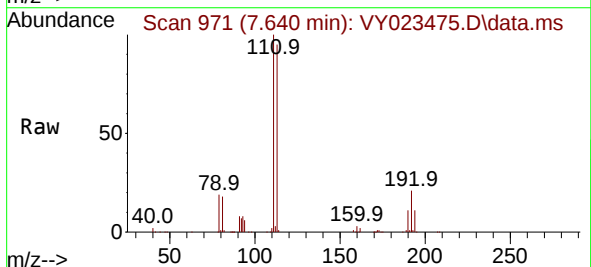
Tgt Ion:113 Resp: 356102

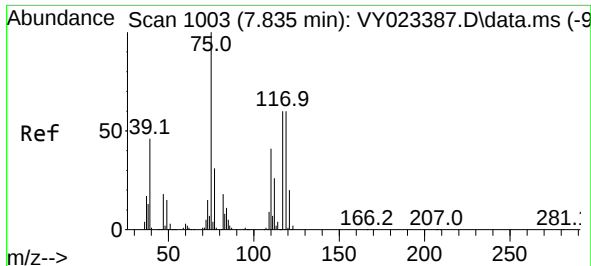
Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.6

192 22.2 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.069 ug/l

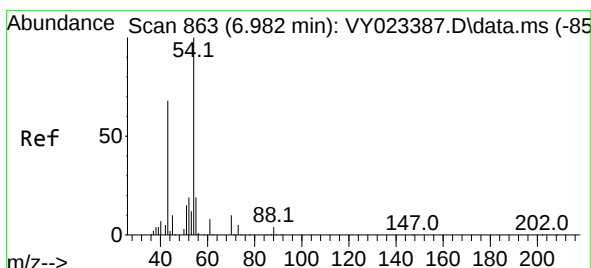
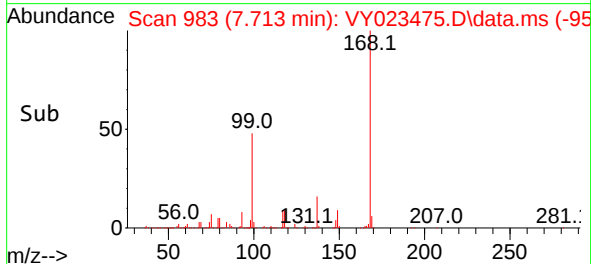
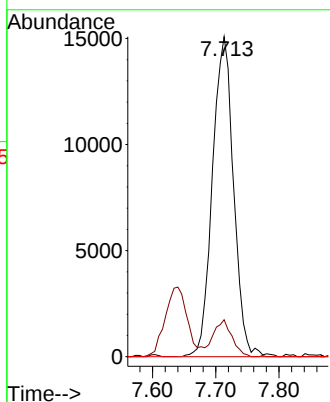
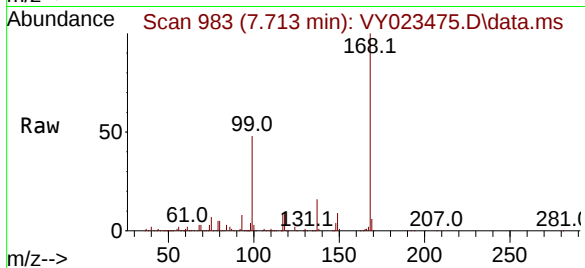
RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023475.D

Acq: 15 Oct 2025 13:15

Tgt Ion:	75	Resp:	34958
Ion	Ratio	Lower	Upper
75	100		
110	10.0	19.9	59.7#
77	0.0	25.0	37.6#



#37

Ethyl Acetate

Concen: 4.027 ug/l

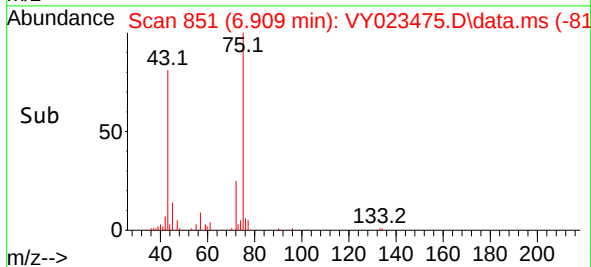
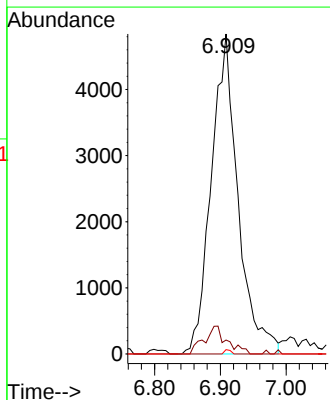
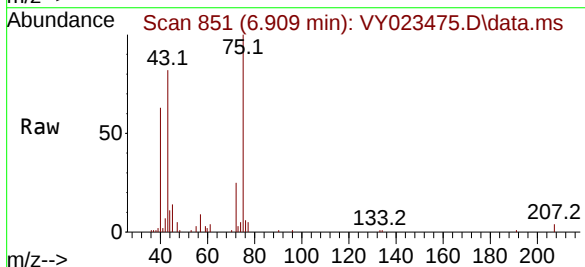
RT: 6.909 min Scan# 851

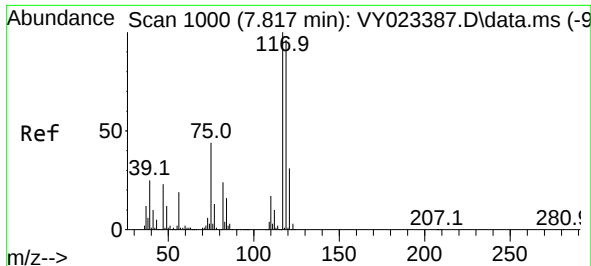
Delta R.T. -0.073 min

Lab File: VY023475.D

Acq: 15 Oct 2025 13:15

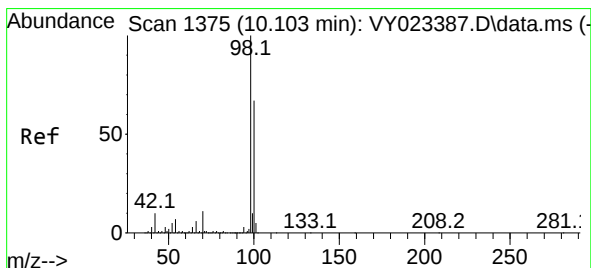
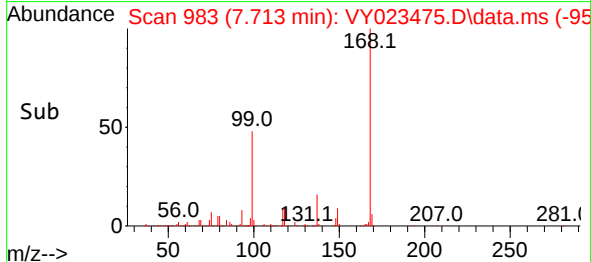
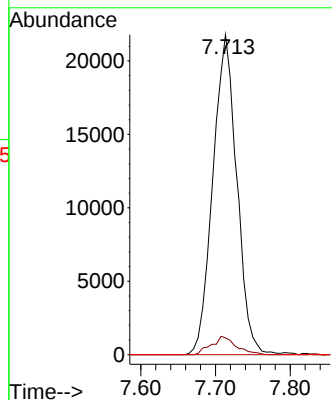
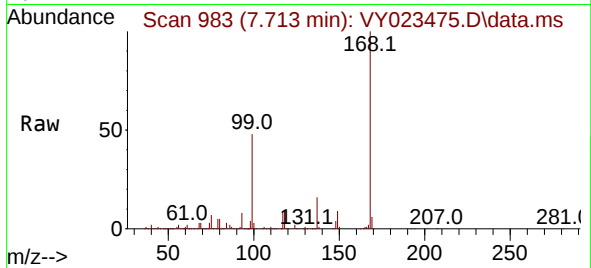
Tgt Ion:	43	Resp:	13707
Ion	Ratio	Lower	Upper
43	100		
61	7.4	11.8	17.8#
70	0.3	10.5	15.7#





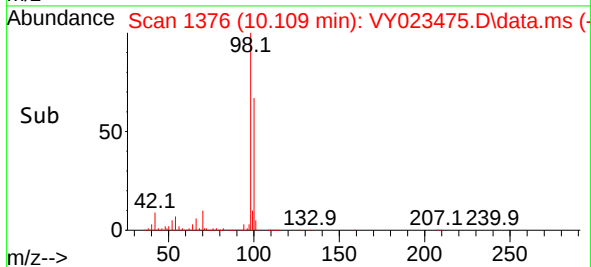
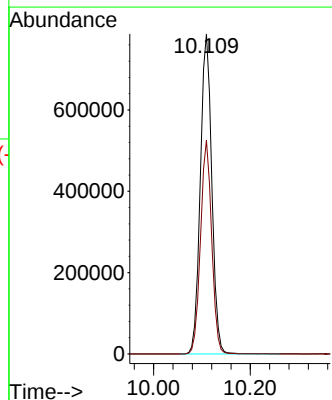
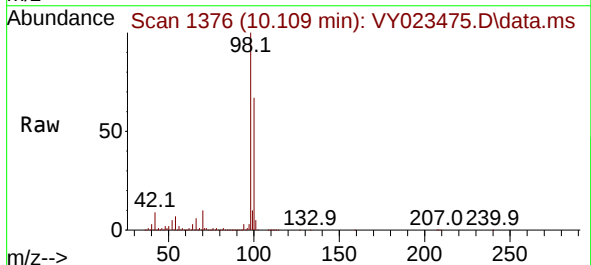
#38
Carbon Tetrachloride
Concen: 4.654 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.104 min
Lab File: VY023475.D
Acq: 15 Oct 2025 13:15

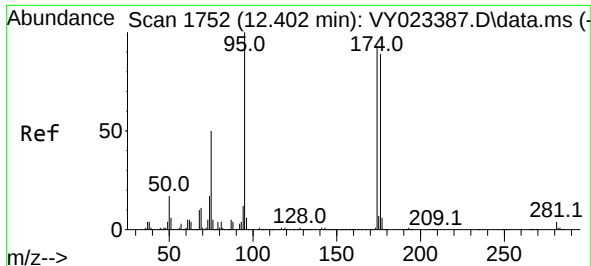
Tgt Ion:117 Resp: 48483
Ion Ratio Lower Upper
117 100
119 5.3 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 53.399 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023475.D
Acq: 15 Oct 2025 13:15

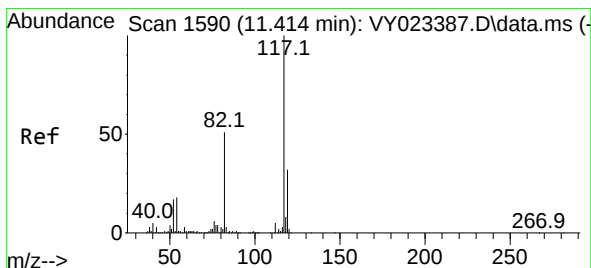
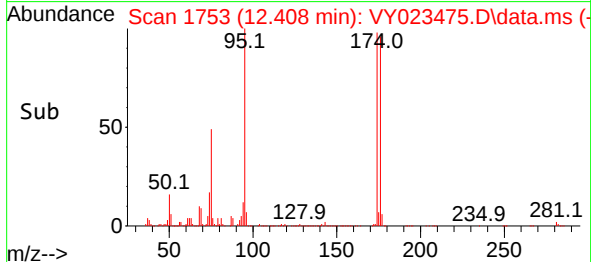
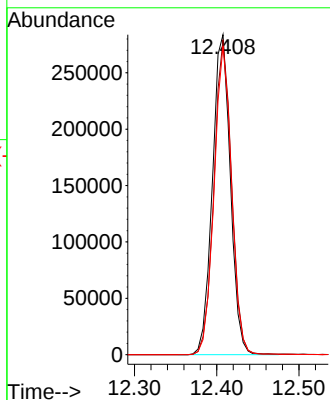
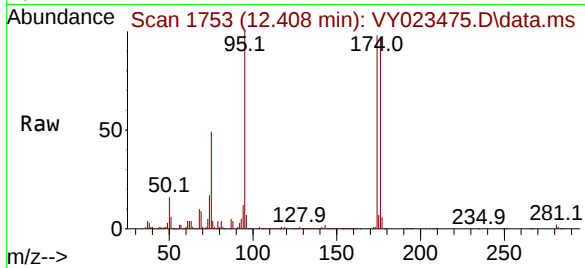
Tgt Ion: 98 Resp: 1290496
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.4





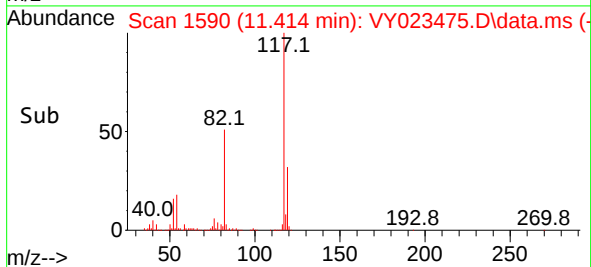
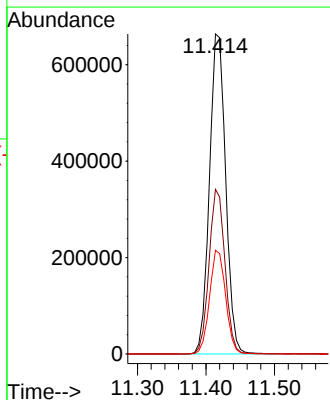
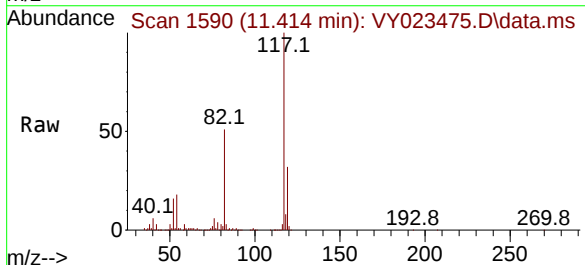
#62
4-Bromofluorobenzene
Concen: 54.041 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023475.D
Acq: 15 Oct 2025 13:15

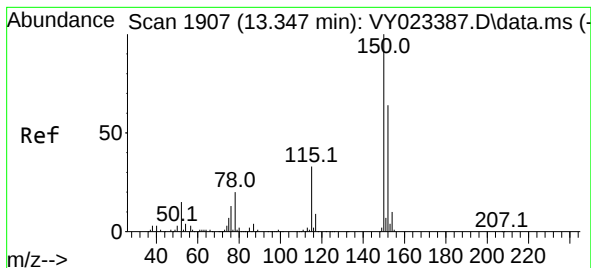
Tgt Ion: 95 Resp: 431174
Ion Ratio Lower Upper
95 100
174 96.7 0.0 192.8
176 93.8 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023475.D
Acq: 15 Oct 2025 13:15

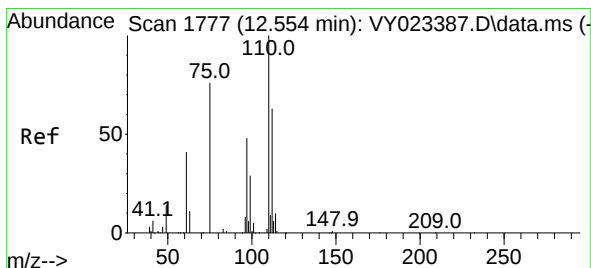
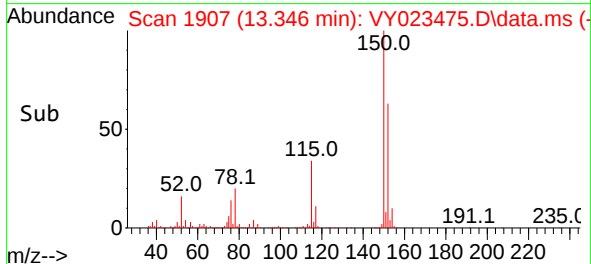
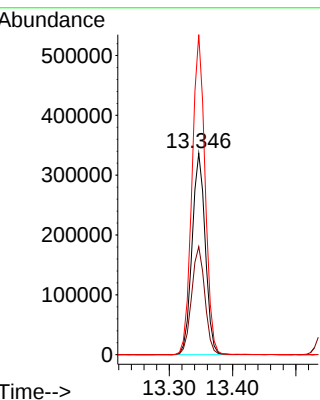
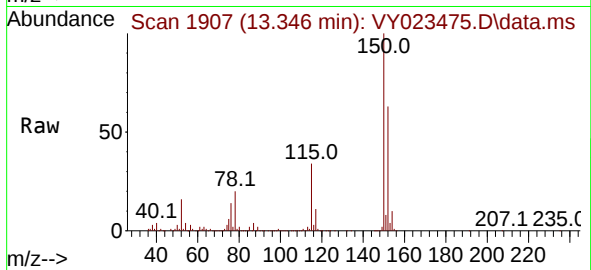
Tgt Ion: 117 Resp: 1094625
Ion Ratio Lower Upper
117 100
82 51.4 41.0 61.4
119 32.4 25.6 38.4





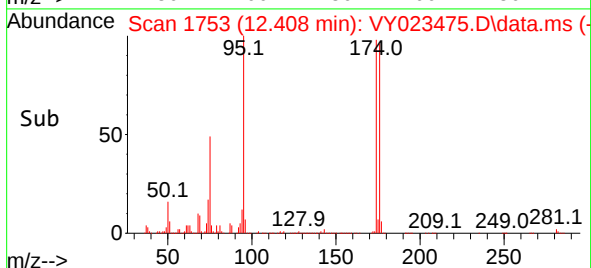
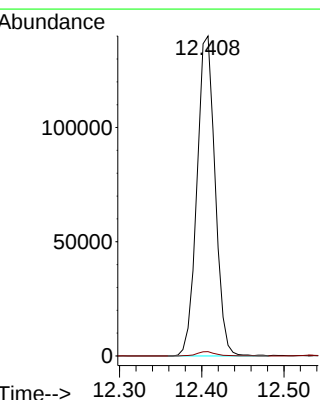
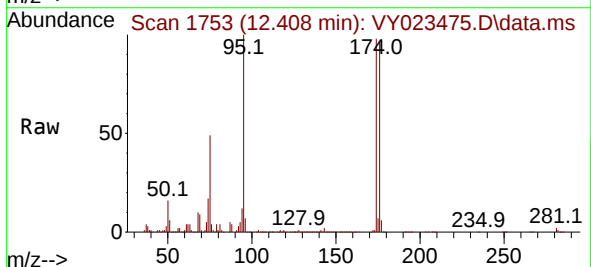
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023475.D
 Acq: 15 Oct 2025 13:15

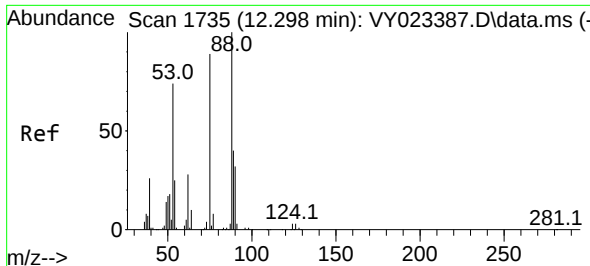
Tgt Ion:152 Resp: 490229
 Ion Ratio Lower Upper
 152 100
 115 53.8 27.1 81.2
 150 157.3 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 49.660 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY023475.D
 Acq: 15 Oct 2025 13:15

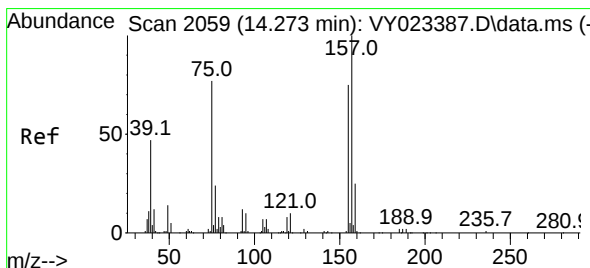
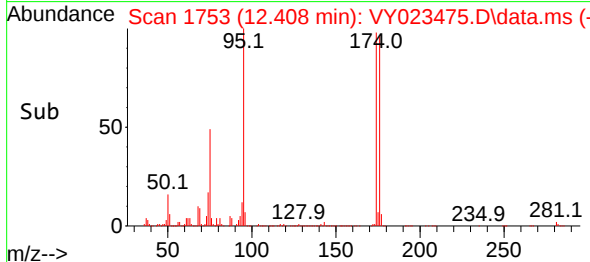
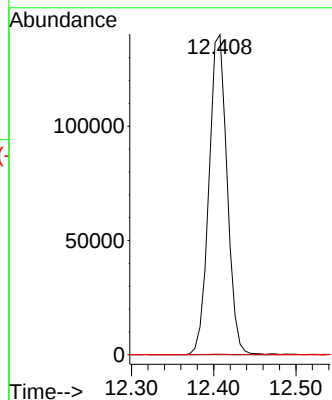
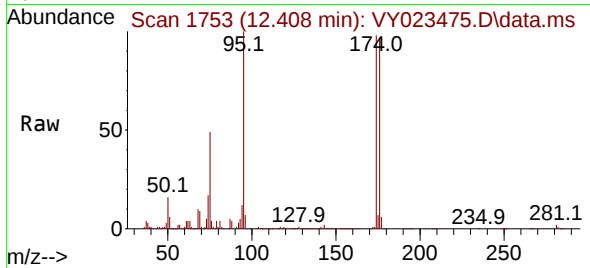
Tgt Ion: 75 Resp: 214785
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





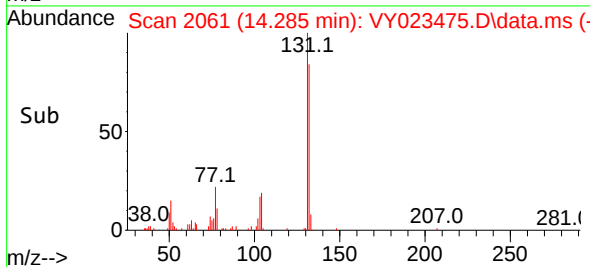
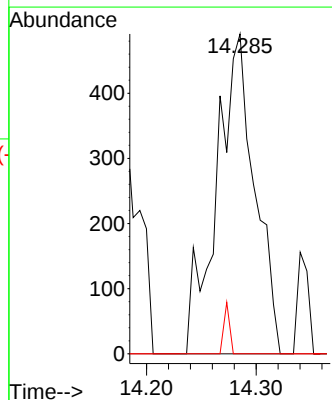
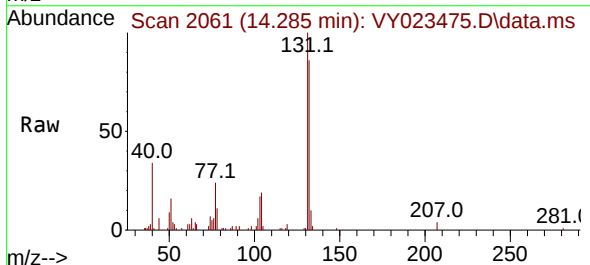
#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.775 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.110 min
 Lab File: VY023475.D
 Acq: 15 Oct 2025 13:15

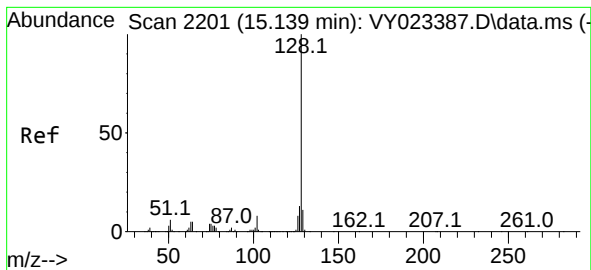
Tgt Ion: 75 Resp: 214785
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 0.0 39.0 58.4#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.376 ug/l
 RT: 14.285 min Scan# 2061
 Delta R.T. 0.012 min
 Lab File: VY023475.D
 Acq: 15 Oct 2025 13:15

Tgt Ion: 75 Resp: 1193
 Ion Ratio Lower Upper
 75 100
 155 0.0 50.0 150.0#
 157 2.4 63.8 191.5#





#95
Naphthalene
Concen: 521.115 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY023475.D
Acq: 15 Oct 2025 13:15

Tgt Ion:128 Resp: 7585704

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	11.5	8.9	13.3

