

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112425\
 Data File : VY023791.D
 Acq On : 24 Nov 2025 15:34
 Operator : SY/MD
 Sample : Q3710-03
 Misc : 4.70g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMPRESSOR-EXCAVATION

Quant Time: Nov 26 02:12:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

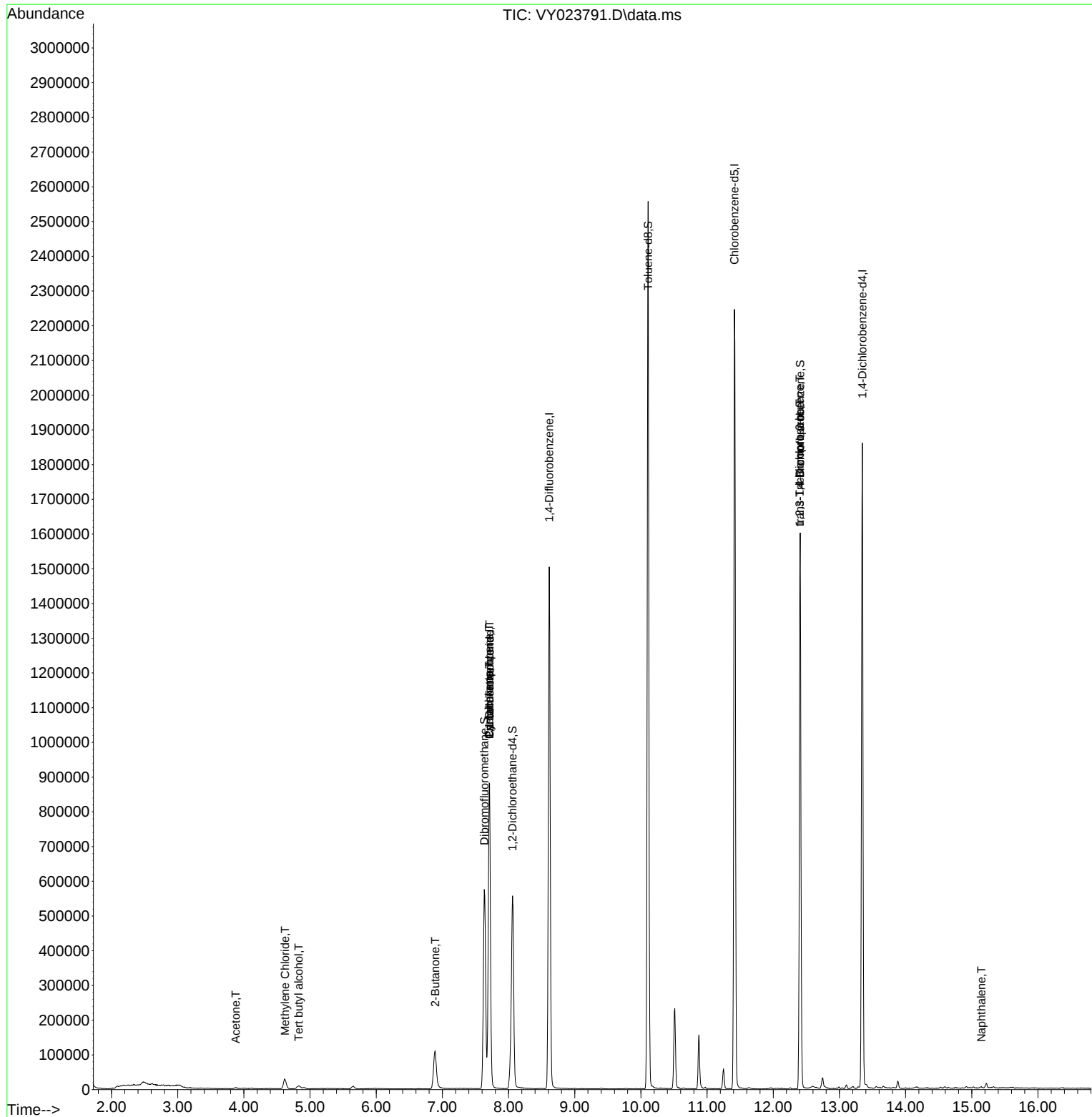
Internal Standards						
1) Pentafluorobenzene	7.713	168	697466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1288188	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1262537	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	508090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	386658	64.990	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.980%	
35) Dibromofluoromethane	7.634	113	417905	51.912	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.820%	
50) Toluene-d8	10.109	98	1697083	56.592	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.180%	
62) 4-Bromofluorobenzene	12.407	95	498583	51.412	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.830	59	9157	23.870	ug/l #	76
16) Acetone	3.878	43	4881	3.301	ug/l #	71
20) Methylene Chloride	4.622	84	20867	2.923	ug/l	95
25) 2-Butanone	6.890	43	6332	3.703	ug/l #	70
31) Cyclohexane	7.707	56	14030	1.431	ug/l #	4
36) 1,1-Dichloropropene	7.707	75	51829	4.818	ug/l #	47
38) Carbon Tetrachloride	7.713	117	69206	5.460	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	232541	56.551	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	232541	127.803	ug/l #	14
95) Naphthalene	15.145	128	3595	5.477	ug/l	97

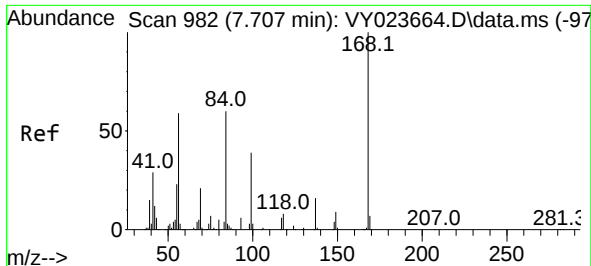
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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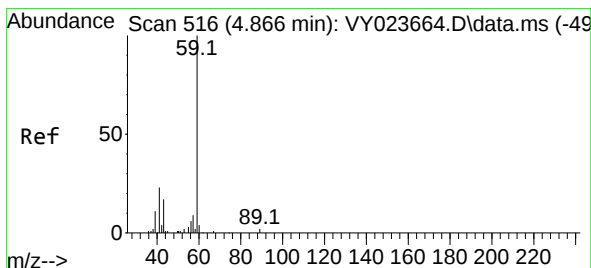
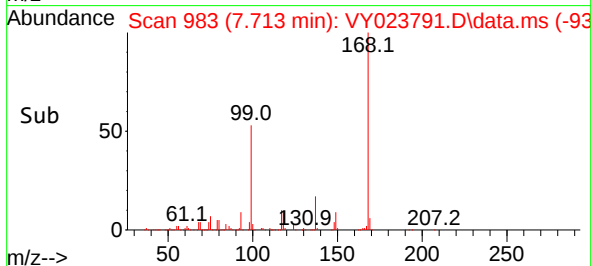
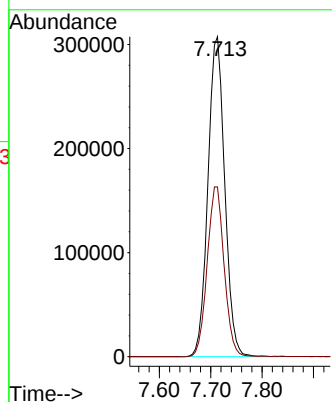
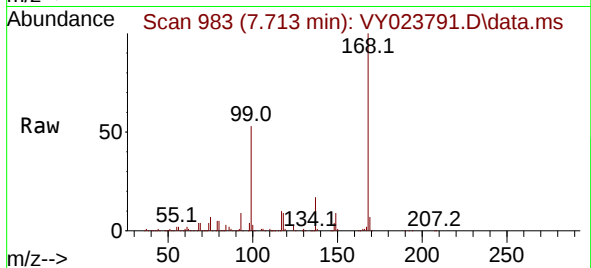




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023791.D
Acq: 24 Nov 2025 15:34

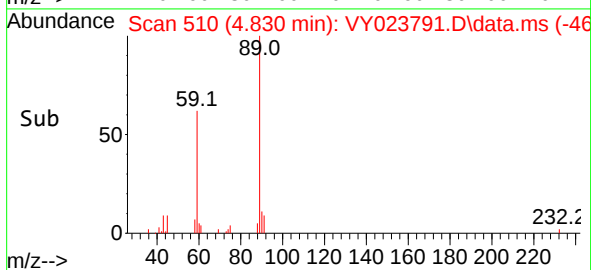
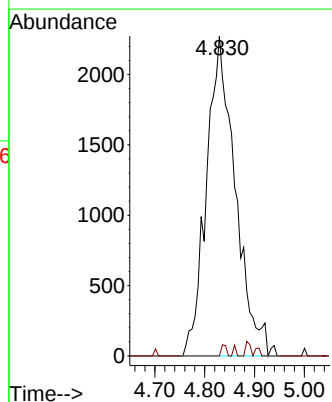
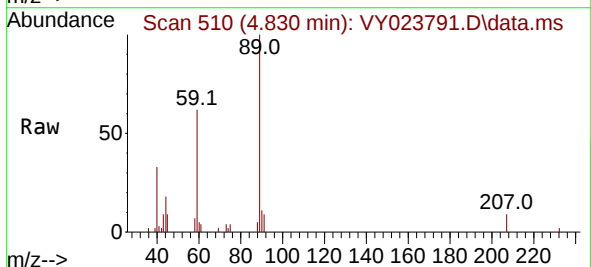
Instrument :
MSVOA_Y
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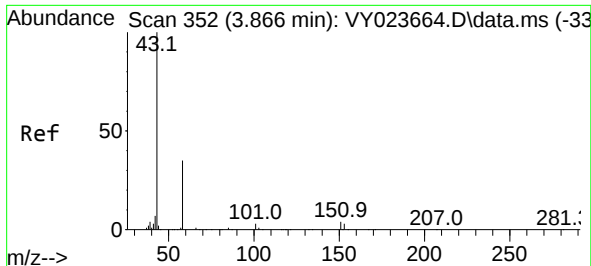
Tgt Ion:168 Resp: 697466
Ion Ratio Lower Upper
168 100
99 53.0 41.0 61.4



#11
Tert butyl alcohol
Concen: 23.870 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.037 min
Lab File: VY023791.D
Acq: 24 Nov 2025 15:34

Tgt Ion: 59 Resp: 9157
Ion Ratio Lower Upper
59 100
57 0.6 7.4 11.2#

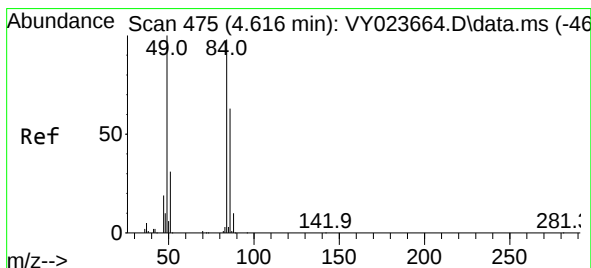
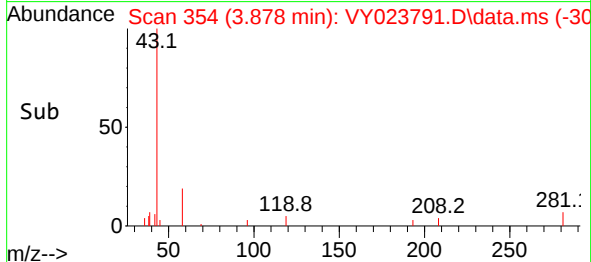
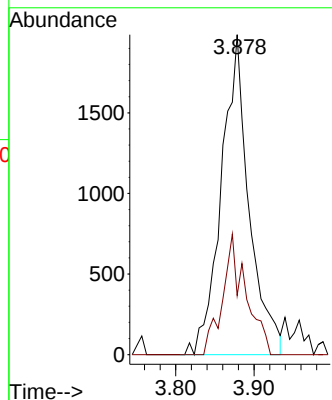
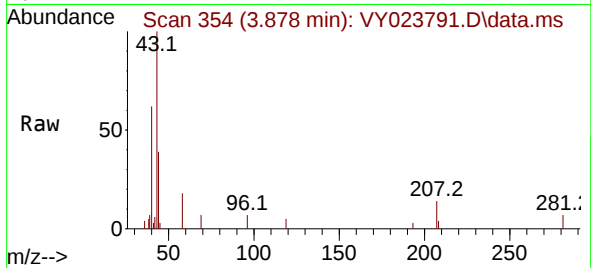




#16
Acetone
Concen: 3.301 ug/l
RT: 3.878 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY023791.D
Acq: 24 Nov 2025 15:34

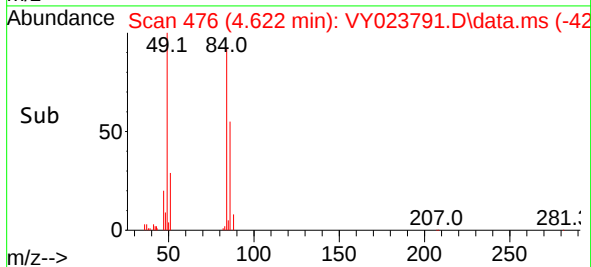
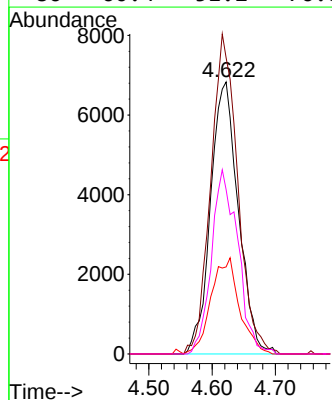
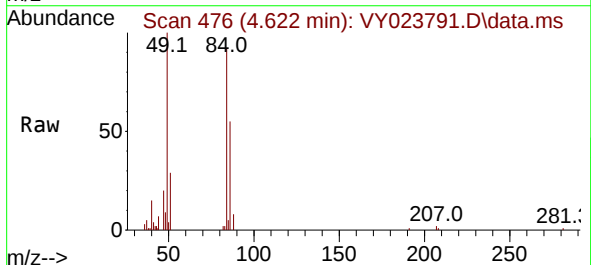
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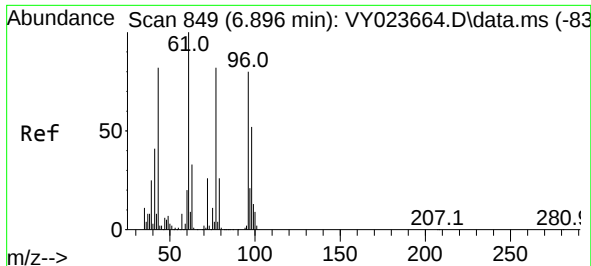
Tgt Ion: 43 Resp: 4881
Ion Ratio Lower Upper
43 100
58 18.5 28.2 42.4#



#20
Methylene Chloride
Concen: 2.923 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023791.D
Acq: 24 Nov 2025 15:34

Tgt Ion: 84 Resp: 20867
Ion Ratio Lower Upper
84 100
49 108.9 81.5 122.3
51 32.0 25.5 38.3
86 60.4 51.2 76.8

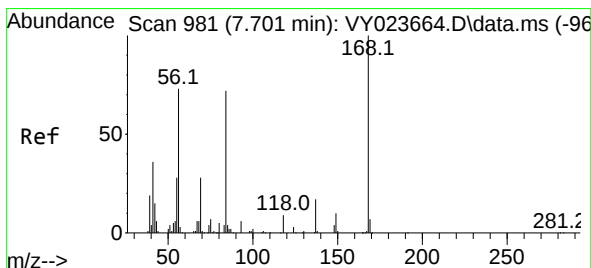
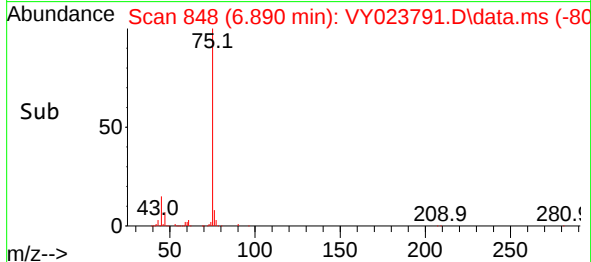
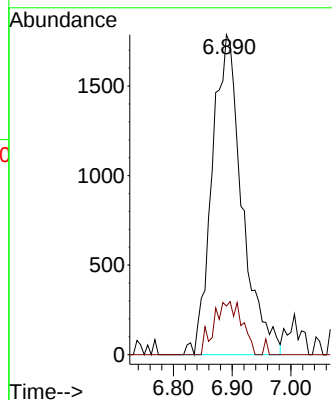
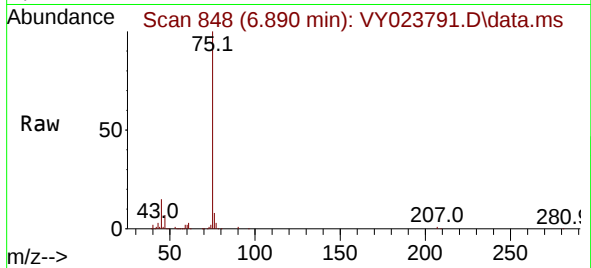




#25
2-Butanone
Concen: 3.703 ug/l
RT: 6.890 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY023791.D
Acq: 24 Nov 2025 15:34

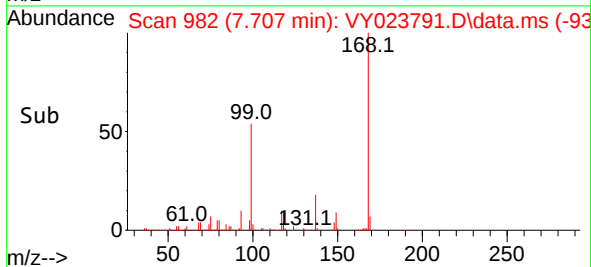
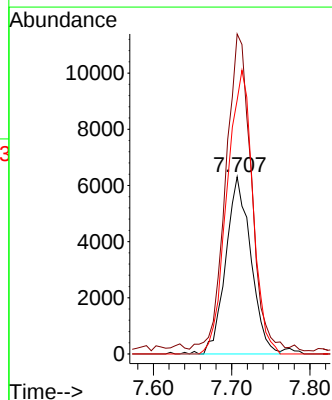
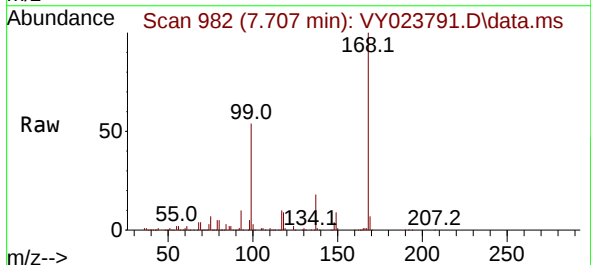
Instrument :
MSVOA_Y
ClientSampleId :
COMPRESSOR-EXCAVATION

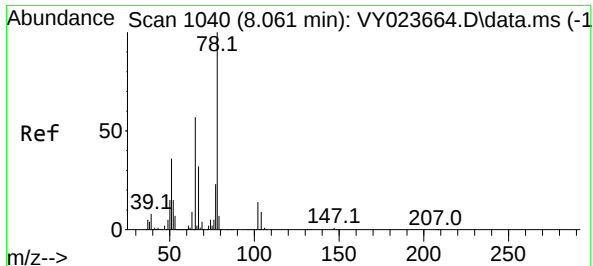
Tgt Ion: 43 Resp: 6332
Ion Ratio Lower Upper
43 100
72 15.2 25.7 38.5#



#31
Cyclohexane
Concen: 1.431 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023791.D
Acq: 24 Nov 2025 15:34

Tgt Ion: 56 Resp: 14030
Ion Ratio Lower Upper
56 100
69 174.9 30.5 45.7#
84 143.3 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 64.990 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY023791.D

Acq: 24 Nov 2025 15:34

Instrument :

MSVOA_Y

ClientSampleId :

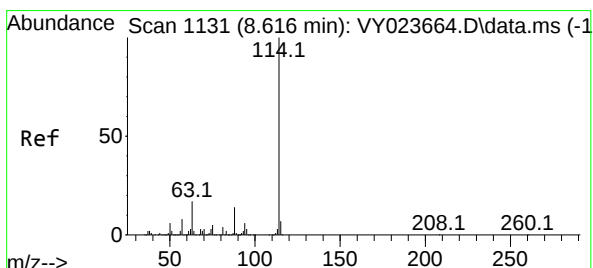
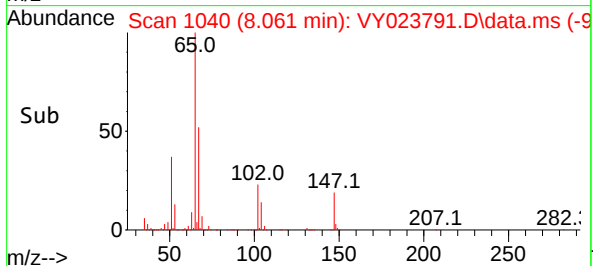
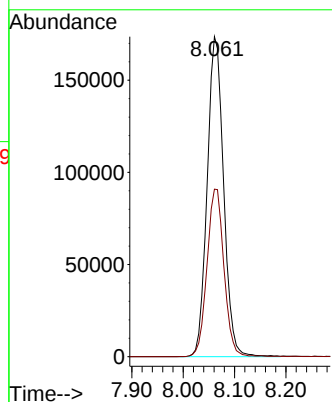
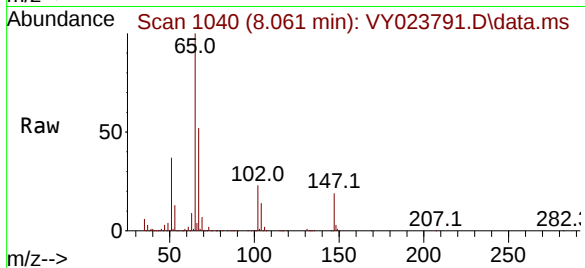
COMPRESSOR-EXCAVATION

Tgt Ion: 65 Resp: 386658

Ion Ratio Lower Upper

65 100

67 54.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023791.D

Acq: 24 Nov 2025 15:34

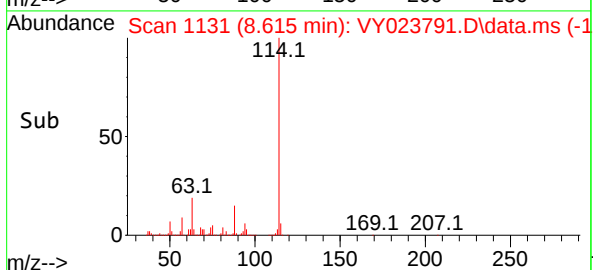
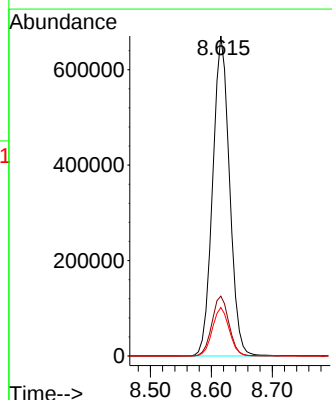
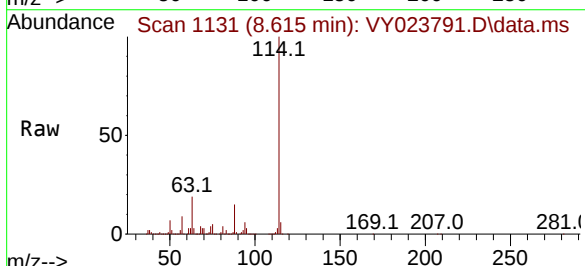
Tgt Ion: 114 Resp: 1288188

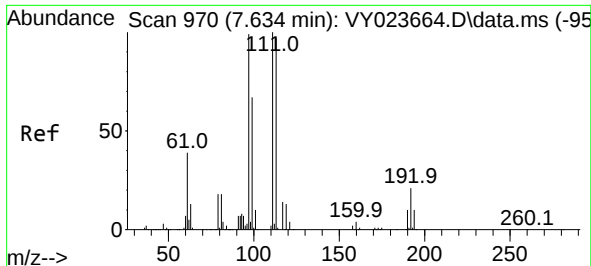
Ion Ratio Lower Upper

114 100

63 18.7 0.0 33.8

88 15.2 0.0 29.0

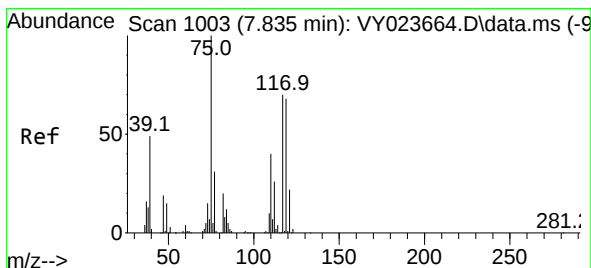
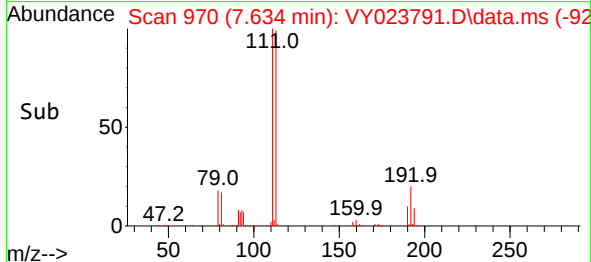
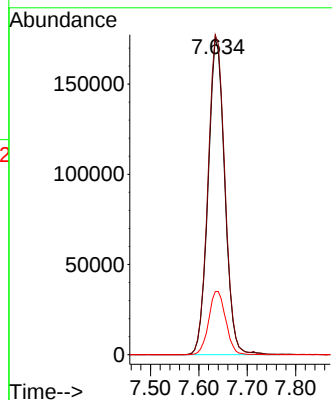
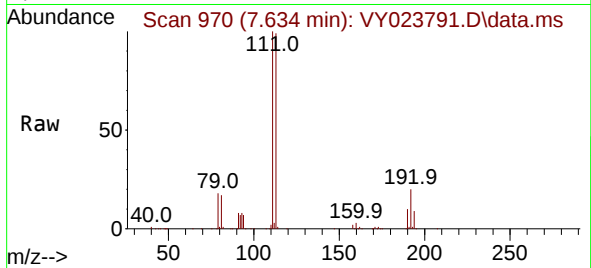




#35
Dibromofluoromethane
Concen: 51.912 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023791.D
Acq: 24 Nov 2025 15:34

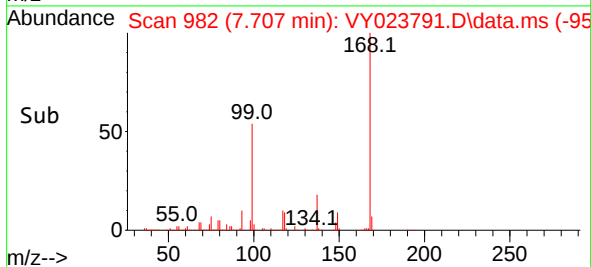
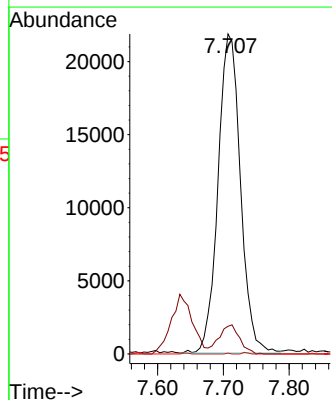
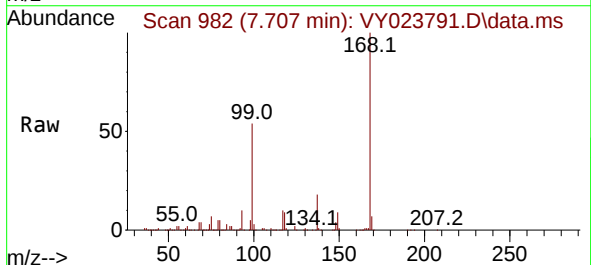
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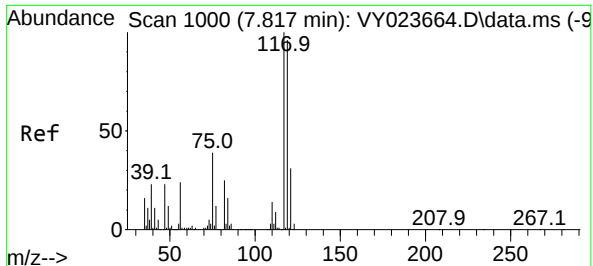
Tgt Ion:113 Resp: 417905
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 20.6 17.3 25.9



#36
1,1-Dichloropropene
Concen: 4.818 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023791.D
Acq: 24 Nov 2025 15:34

Tgt Ion: 75 Resp: 51829
Ion Ratio Lower Upper
75 100
110 8.4 19.7 59.0#
77 0.0 25.2 37.8#

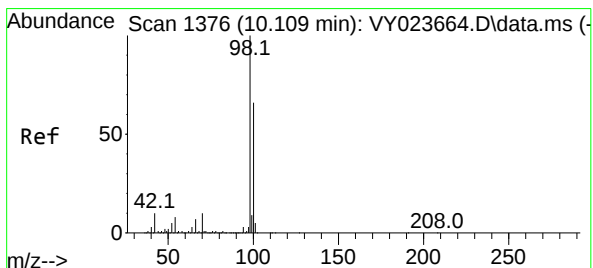
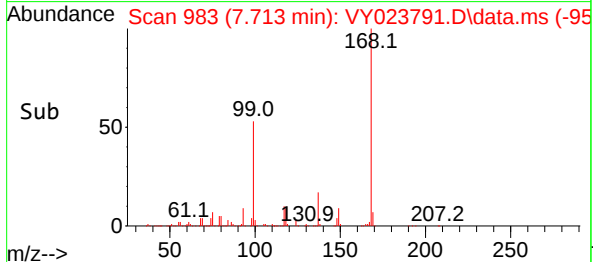
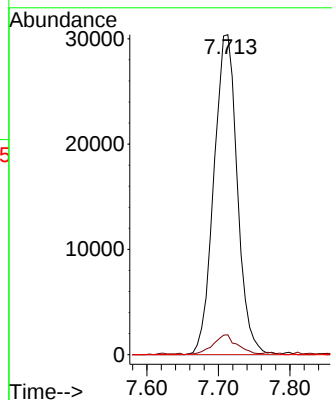
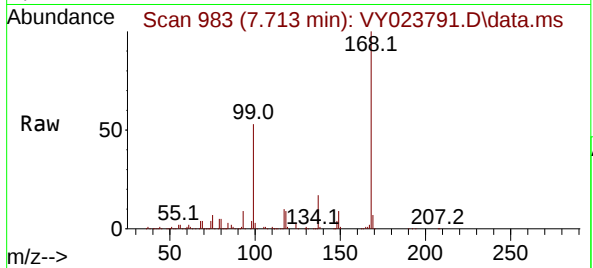




#38
Carbon Tetrachloride
Concen: 5.460 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023791.D
Acq: 24 Nov 2025 15:34

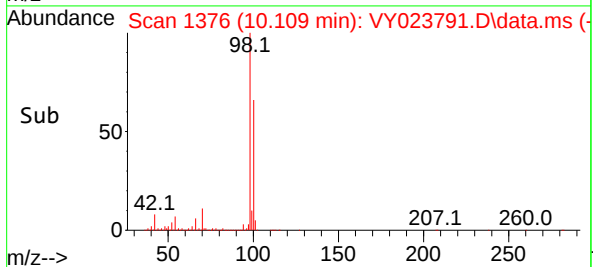
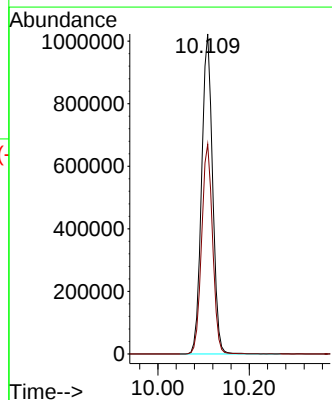
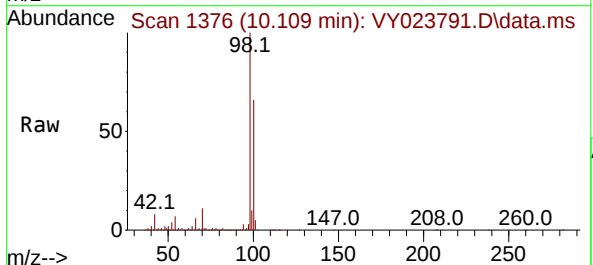
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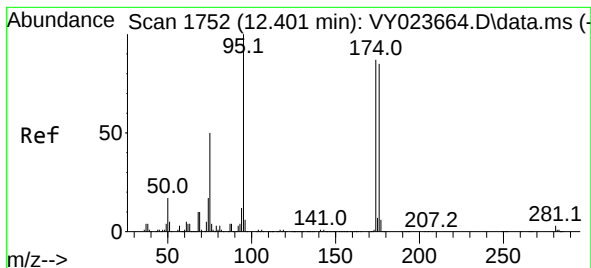
Tgt Ion:117 Resp: 69206
Ion Ratio Lower Upper
117 100
119 5.8 76.3 114.5#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 56.592 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023791.D
Acq: 24 Nov 2025 15:34

Tgt Ion: 98 Resp: 1697083
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1

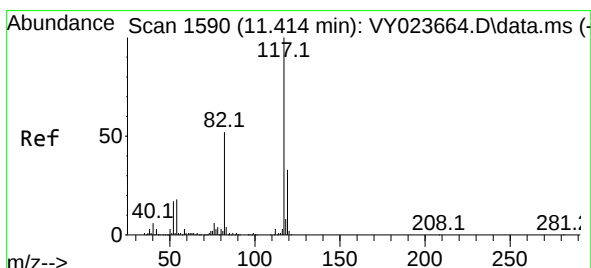
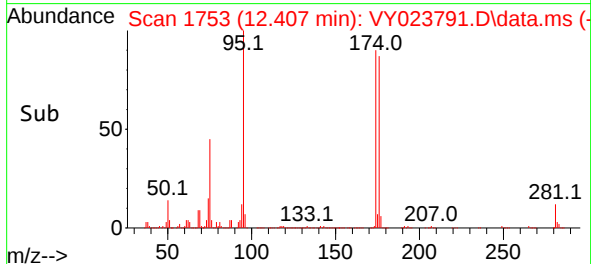
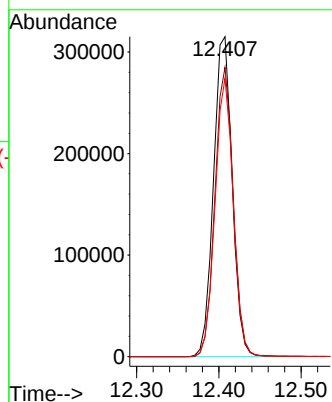
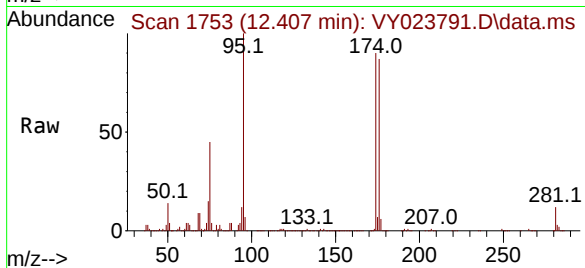




#62
4-Bromofluorobenzene
Concen: 51.412 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023791.D
Acq: 24 Nov 2025 15:34

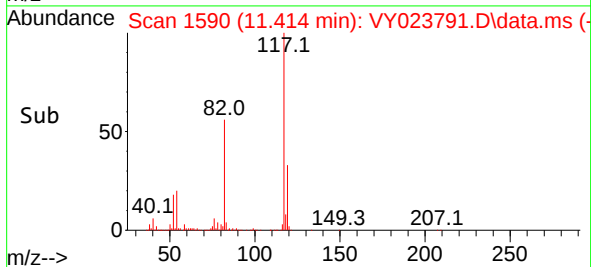
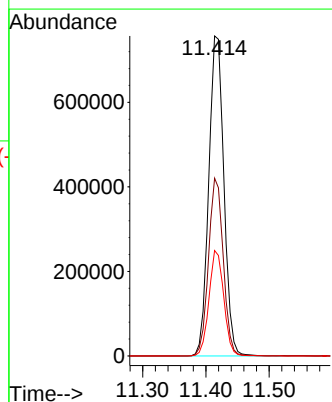
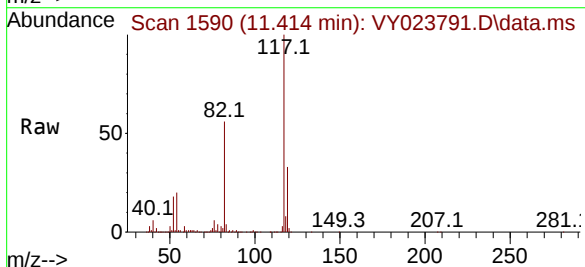
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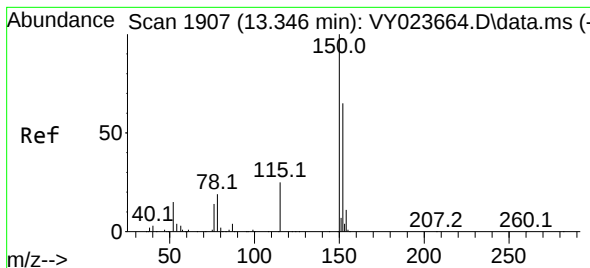
Tgt Ion: 95 Resp: 498583
Ion Ratio Lower Upper
95 100
174 88.8 0.0 184.8
176 84.8 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023791.D
Acq: 24 Nov 2025 15:34

Tgt Ion: 117 Resp: 1262537
Ion Ratio Lower Upper
117 100
82 55.5 41.2 61.8
119 32.9 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023791.D

Acq: 24 Nov 2025 15:34

Instrument :

MSVOA_Y

ClientSampleId :

COMPRESSOR-EXCAVATION

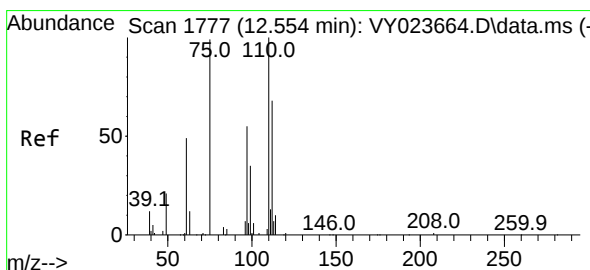
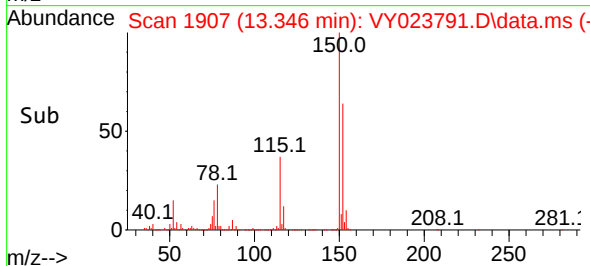
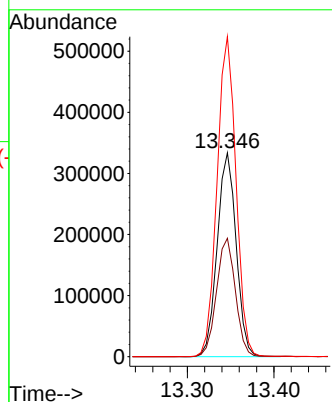
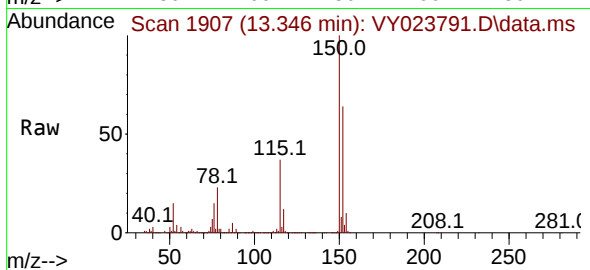
Tgt Ion:152 Resp: 508090

Ion Ratio Lower Upper

152 100

115 58.0 27.5 82.5

150 156.9 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 56.551 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY023791.D

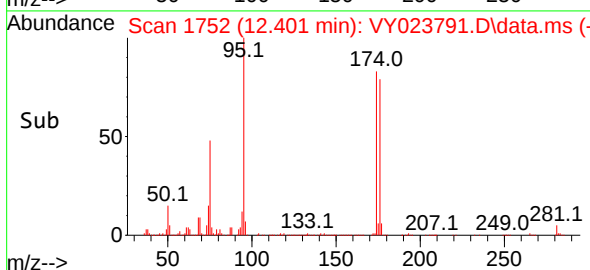
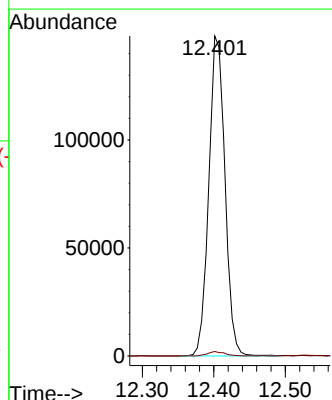
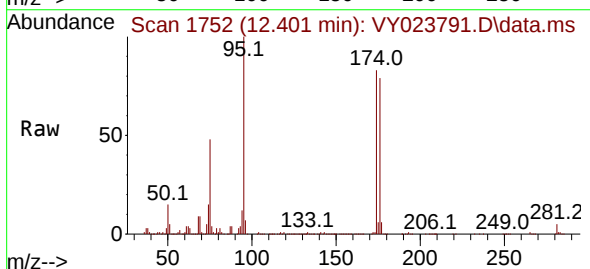
Acq: 24 Nov 2025 15:34

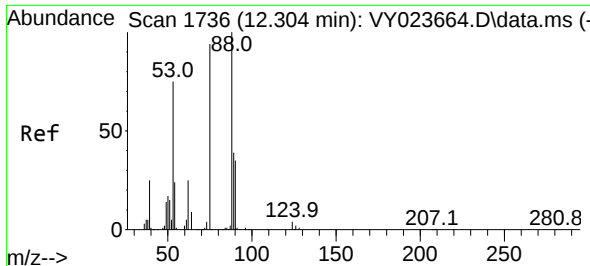
Tgt Ion: 75 Resp: 232541

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

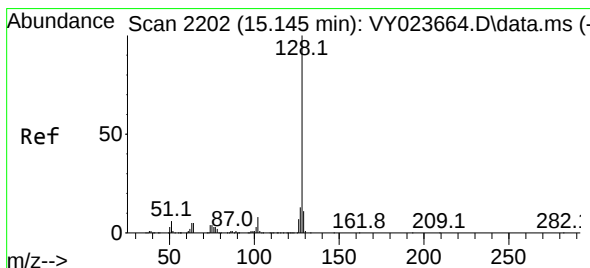
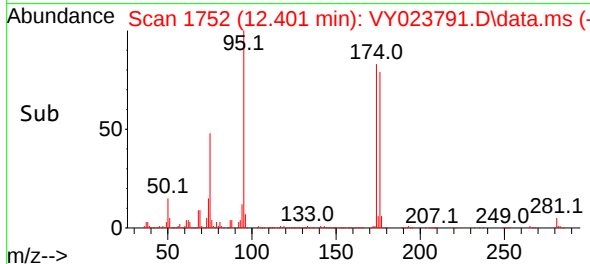
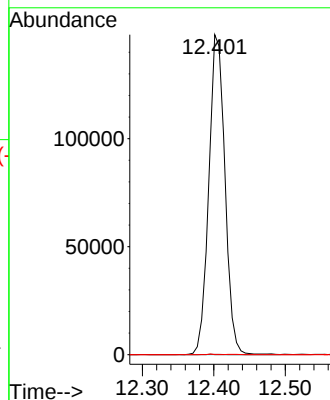
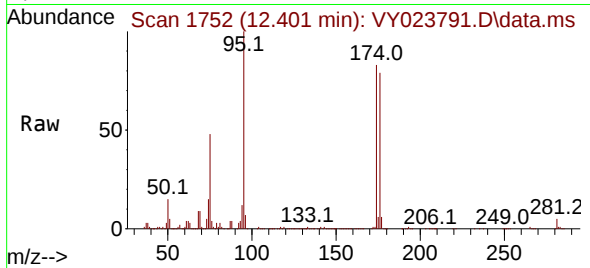




#81
trans-1,4-Dichloro-2-butene
Concen: 127.803 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY023791.D
Acq: 24 Nov 2025 15:34

Instrument :
MSVOA_Y
ClientSampleId :
COMPRESSOR-EXCAVATION

Tgt Ion: 75 Resp: 232541
Ion Ratio Lower Upper
75 100
53 0.1 69.6 104.4#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 5.477 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY023791.D
Acq: 24 Nov 2025 15:34

Tgt Ion:128 Resp: 3595
Ion Ratio Lower Upper
128 100
127 12.4 10.5 15.7
129 12.3 8.8 13.2

