

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101325\
 Data File : VY023452.D
 Acq On : 13 Oct 2025 15:05
 Operator : SY/MD
 Sample : Q3337-01
 Misc : 5.16g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LAYDOWN-YARD-1

Quant Time: Oct 14 04:17:29 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)

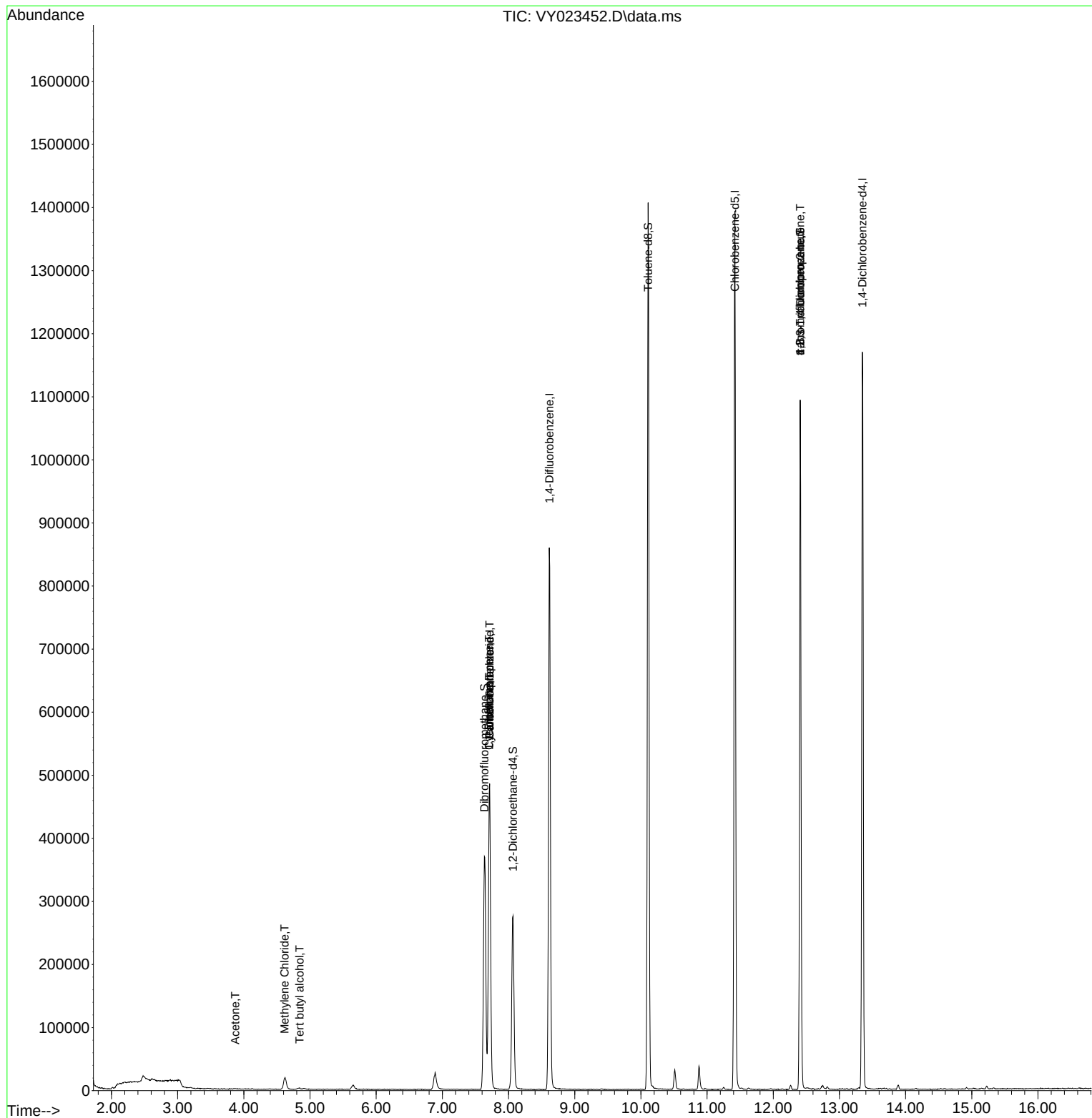
Internal Standards						
1) Pentafluorobenzene	7.713	168	413317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	784999	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	799657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	326953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	219319	63.456	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.920%	
35) Dibromofluoromethane	7.634	113	271886	56.368	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.740%	
50) Toluene-d8	10.109	98	939722	52.314	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.620%	
62) 4-Bromofluorobenzene	12.408	95	309723	52.226	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.460%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	1593	6.195	ug/l #	89
16) Acetone	3.873	43	1491	1.812	ug/l	88
20) Methylene Chloride	4.616	84	14628	3.288	ug/l	95
31) Cyclohexane	7.707	56	6870	1.195	ug/l #	18
36) 1,1-Dichloropropene	7.707	75	26852	4.205	ug/l #	48
38) Carbon Tetrachloride	7.713	117	36568	4.723	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	150905	52.314	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	150905	128.284	ug/l #	15

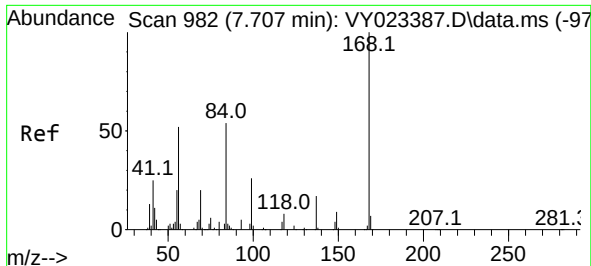
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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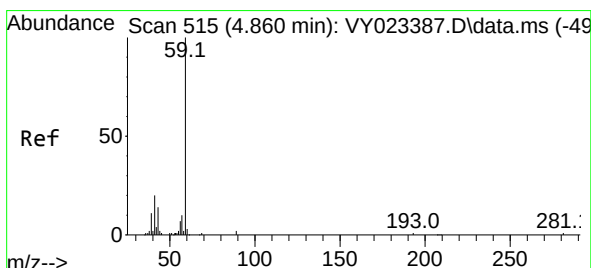
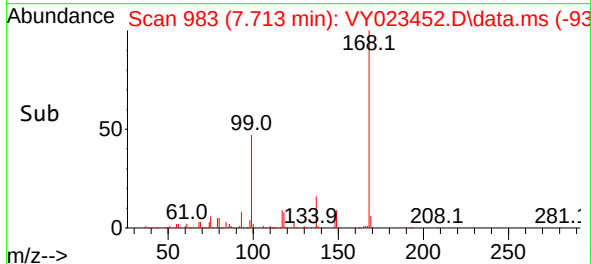
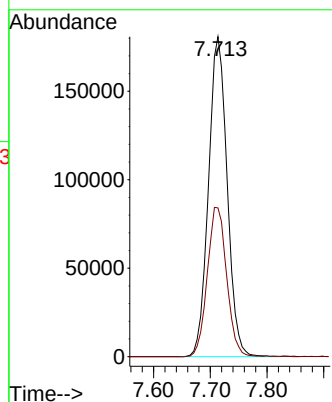
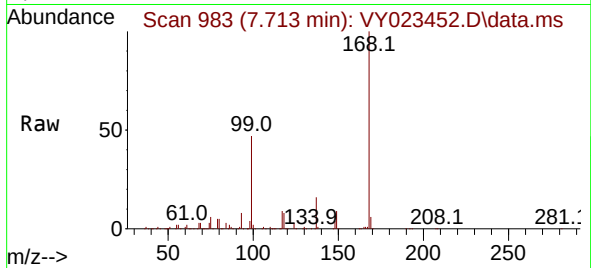




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023452.D
Acq: 13 Oct 2025 15:05

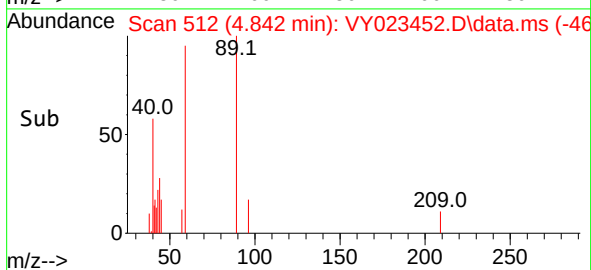
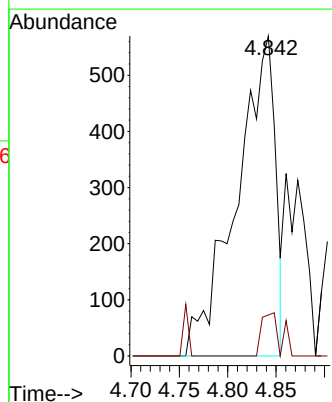
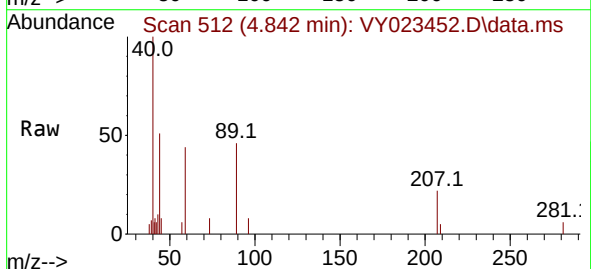
Instrument :
MSVOA_Y
ClientSampleId :
LAYDOWN-YARD-1

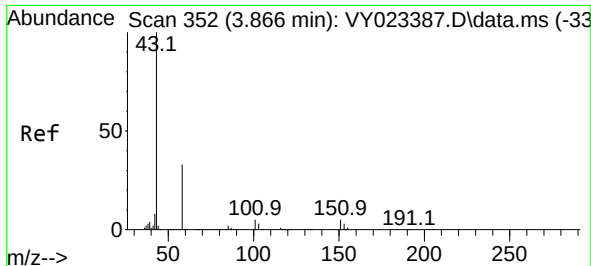
Tgt Ion:168 Resp: 413317
Ion Ratio Lower Upper
168 100
99 46.5 39.7 59.5



#11
Tert butyl alcohol
Concen: 6.195 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY023452.D
Acq: 13 Oct 2025 15:05

Tgt Ion: 59 Resp: 1593
Ion Ratio Lower Upper
59 100
57 6.5 8.3 12.5#

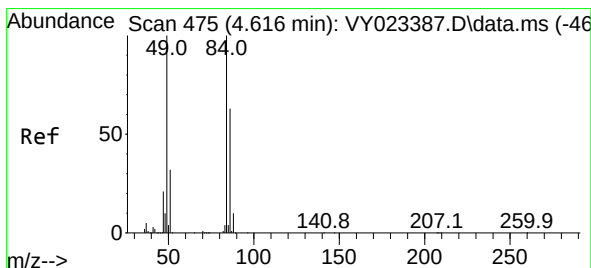
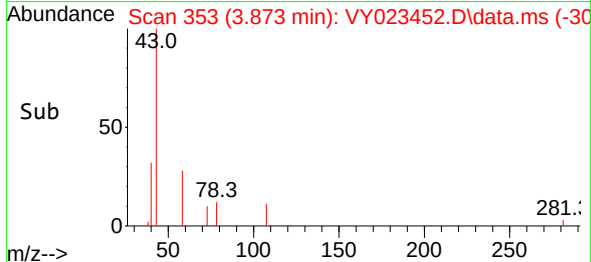
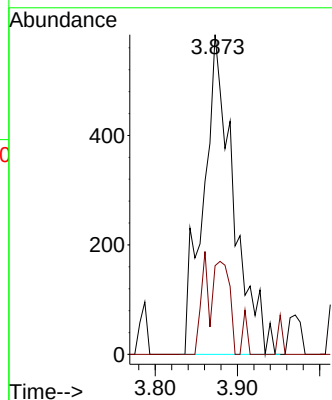
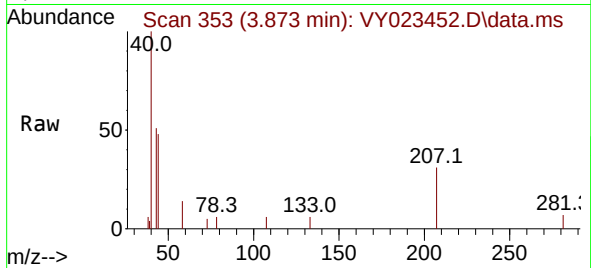




#16
Acetone
Concen: 1.812 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023452.D
Acq: 13 Oct 2025 15:05

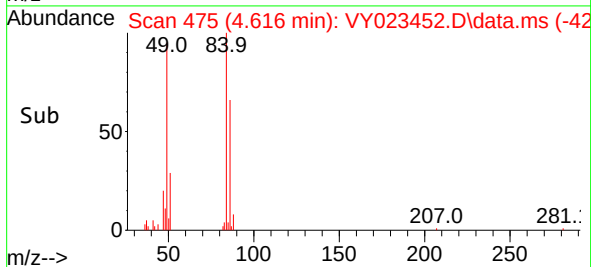
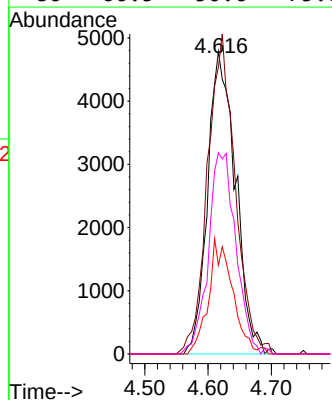
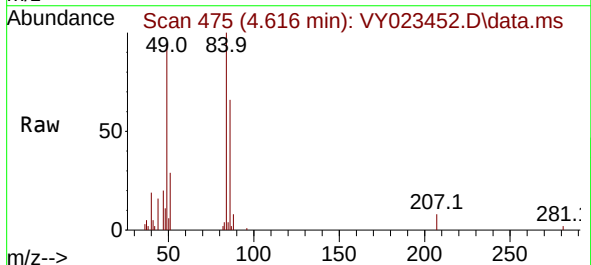
Instrument :
MSVOA_Y
ClientSampleId :
LAYDOWN-YARD-1

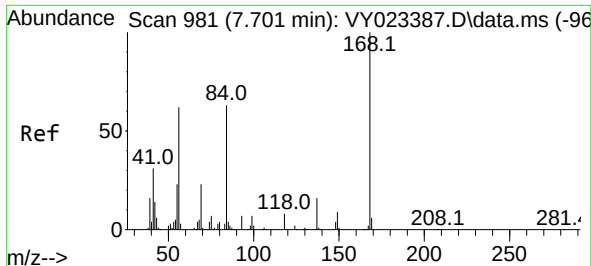
Tgt Ion: 43 Resp: 1491
Ion Ratio Lower Upper
43 100
58 27.7 27.7 41.5



#20
Methylene Chloride
Concen: 3.288 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023452.D
Acq: 13 Oct 2025 15:05

Tgt Ion: 84 Resp: 14628
Ion Ratio Lower Upper
84 100
49 94.8 80.2 120.4
51 29.4 25.9 38.9
86 66.5 50.6 75.8

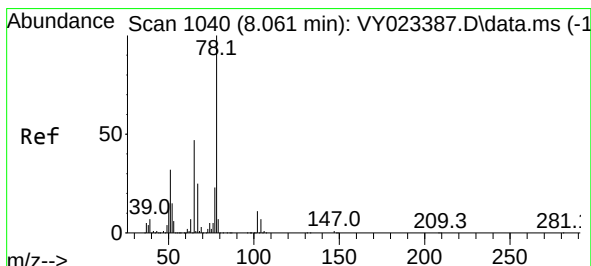
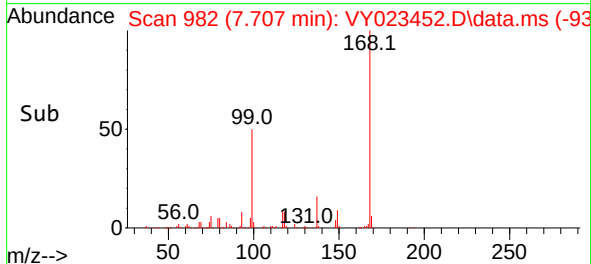
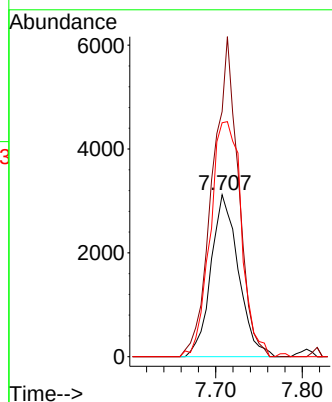
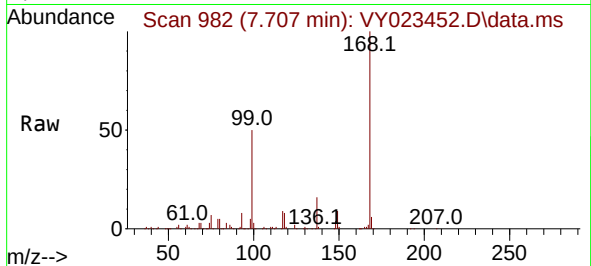




#31
Cyclohexane
Concen: 1.195 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023452.D
Acq: 13 Oct 2025 15:05

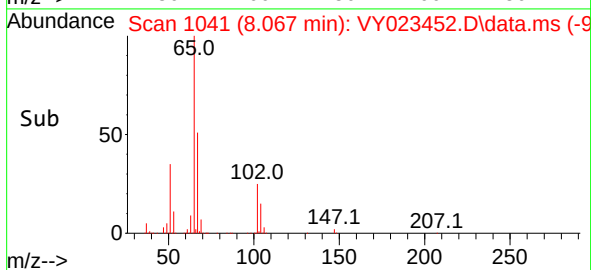
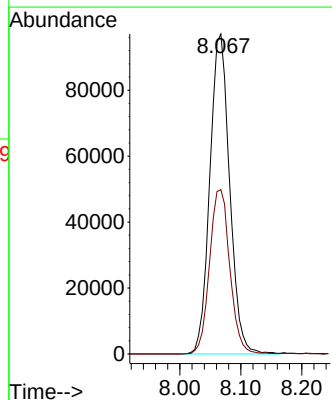
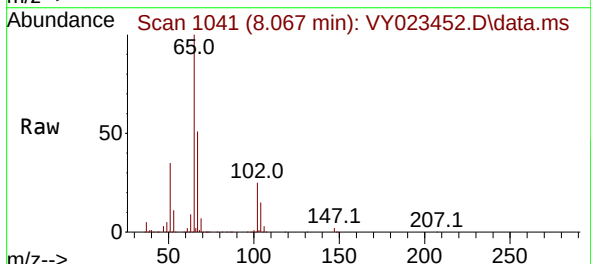
Instrument :
MSVOA_Y
ClientSampleId :
LAYDOWN-YARD-1

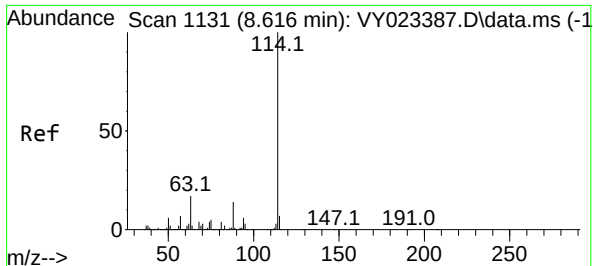
Tgt Ion: 56 Resp: 6870
Ion Ratio Lower Upper
56 100
69 151.3 30.0 45.0#
84 144.4 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 63.456 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023452.D
Acq: 13 Oct 2025 15:05

Tgt Ion: 65 Resp: 219319
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.8

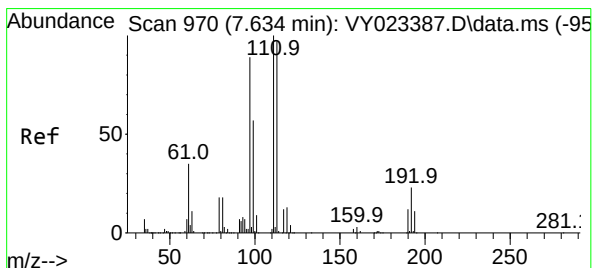
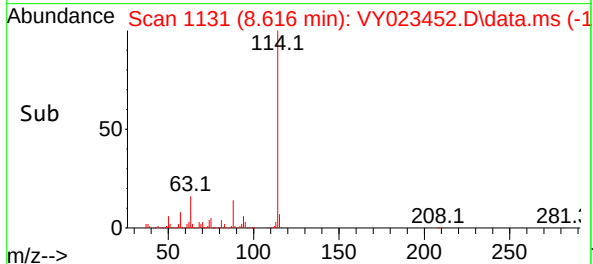
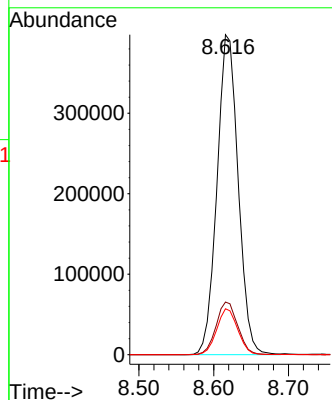
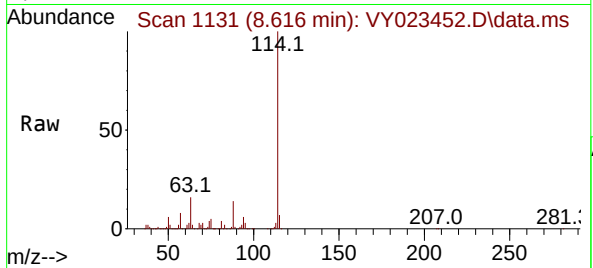




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023452.D
Acq: 13 Oct 2025 15:05

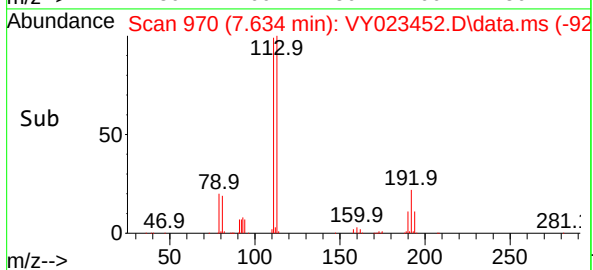
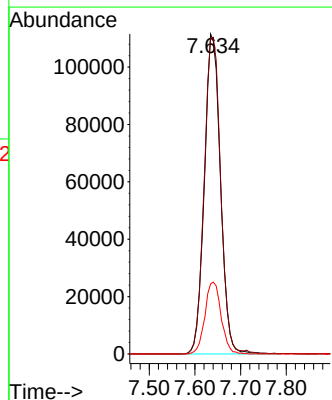
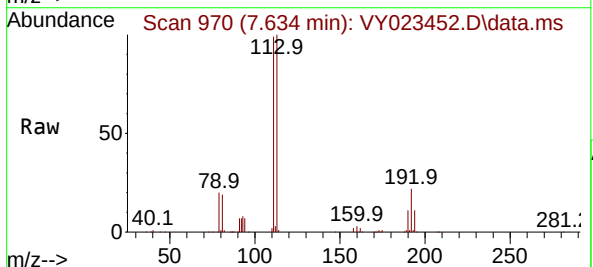
Instrument :
MSVOA_Y
ClientSampleId :
LAYDOWN-YARD-1

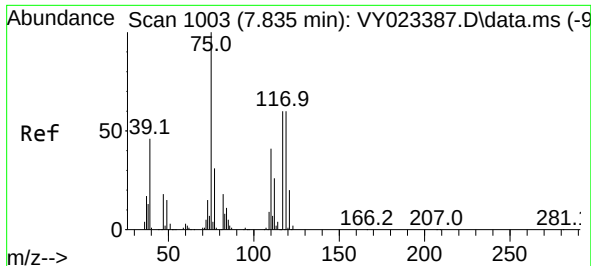
Tgt Ion:114 Resp: 784999
Ion Ratio Lower Upper
114 100
63 16.5 0.0 34.2
88 14.3 0.0 28.4



#35
Dibromofluoromethane
Concen: 56.368 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023452.D
Acq: 13 Oct 2025 15:05

Tgt Ion:113 Resp: 271886
Ion Ratio Lower Upper
113 100
111 101.9 81.8 122.6
192 22.7 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.205 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023452.D

Acq: 13 Oct 2025 15:05

Instrument :

MSVOA_Y

ClientSampleId :

LAYDOWN-YARD-1

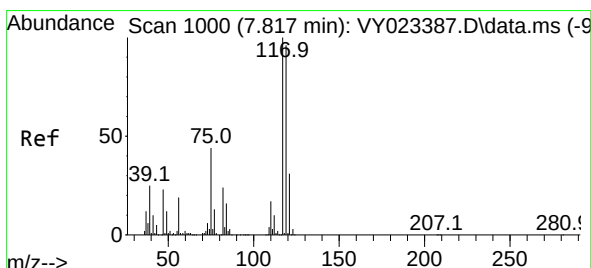
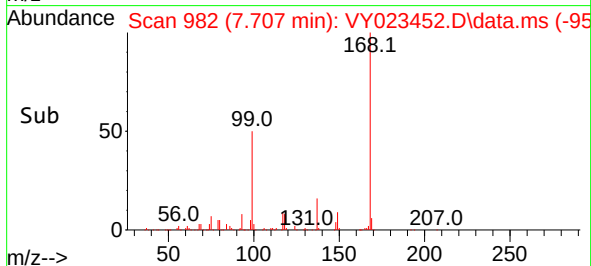
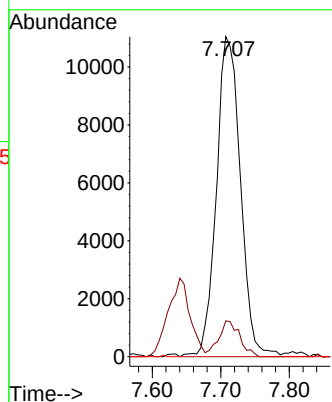
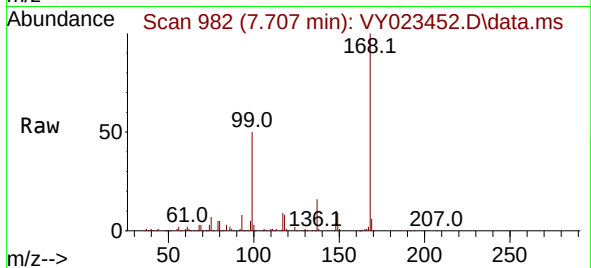
Tgt Ion: 75 Resp: 26852

Ion Ratio Lower Upper

75 100

110 9.9 19.9 59.7#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 4.723 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023452.D

Acq: 13 Oct 2025 15:05

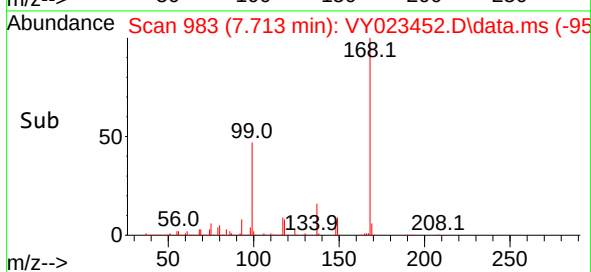
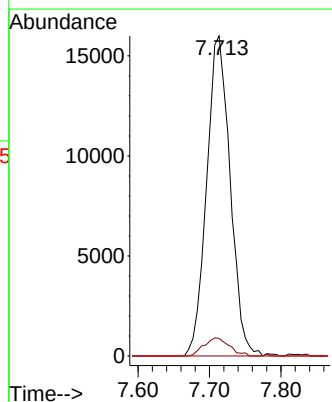
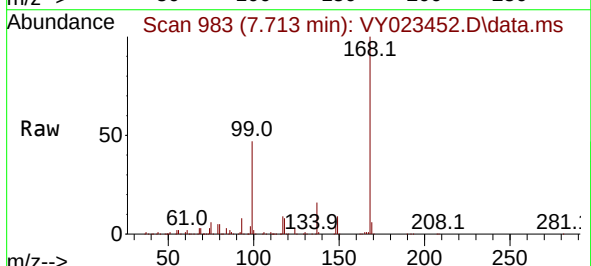
Tgt Ion: 117 Resp: 36568

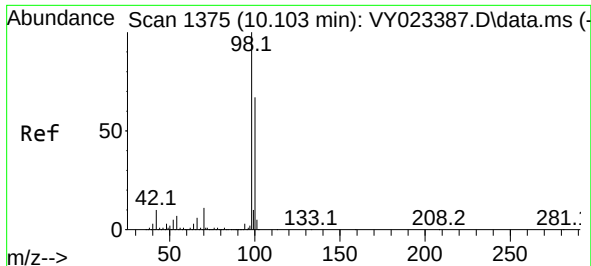
Ion Ratio Lower Upper

117 100

119 5.5 76.8 115.2#

121 0.0 24.5 36.7#

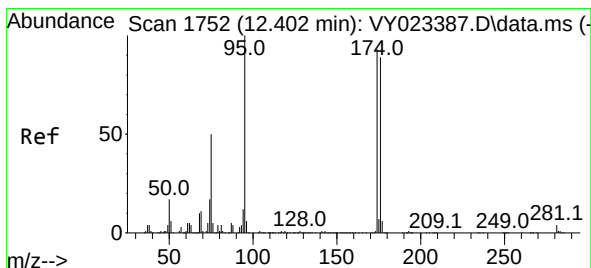
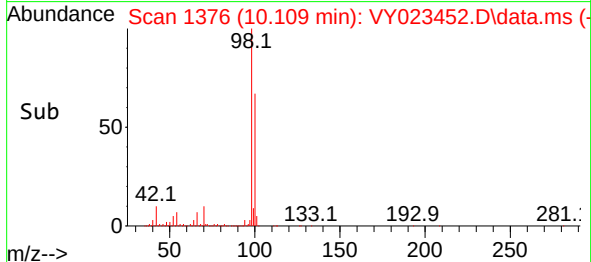
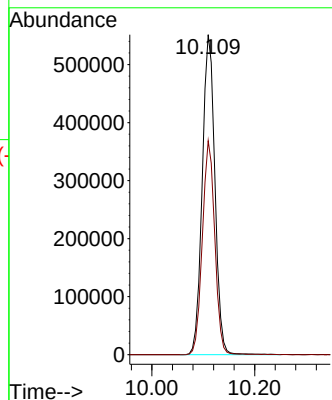
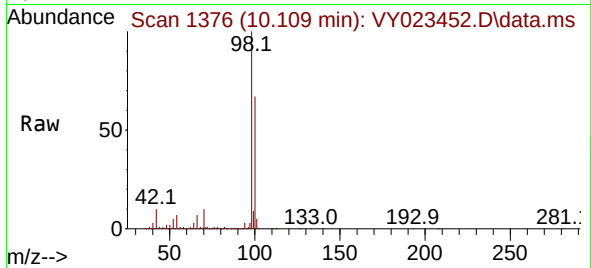




#50
Toluene-d8
Concen: 52.314 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023452.D
Acq: 13 Oct 2025 15:05

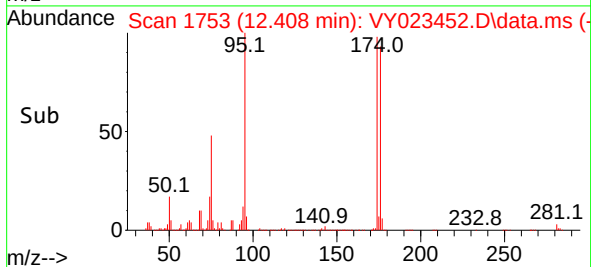
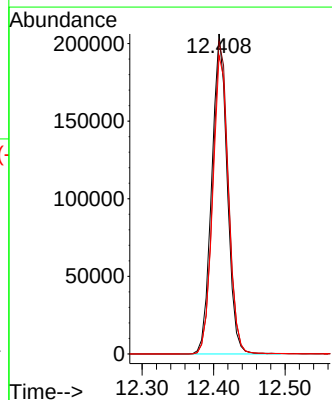
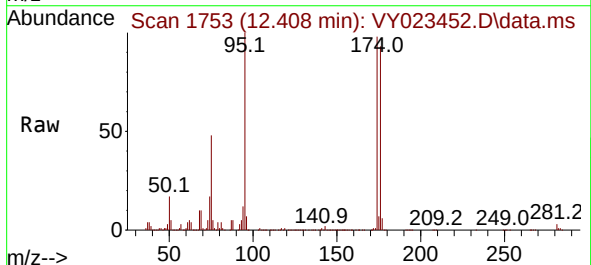
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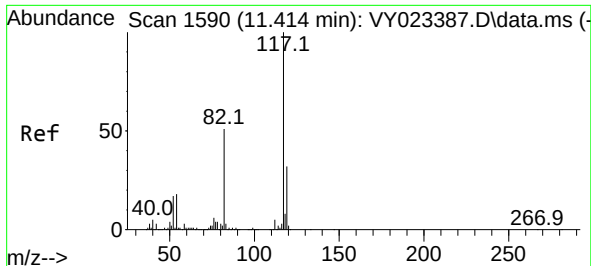
Tgt Ion: 98 Resp: 939722
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 52.226 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023452.D
Acq: 13 Oct 2025 15:05

Tgt Ion: 95 Resp: 309723
Ion Ratio Lower Upper
95 100
174 98.7 0.0 192.8
176 94.6 0.0 187.6

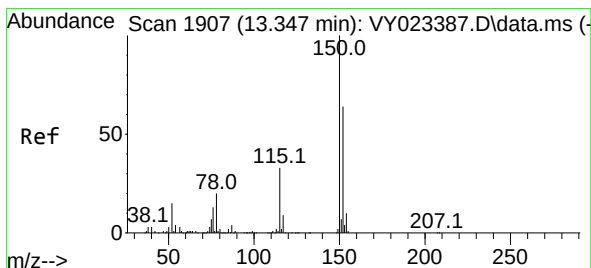
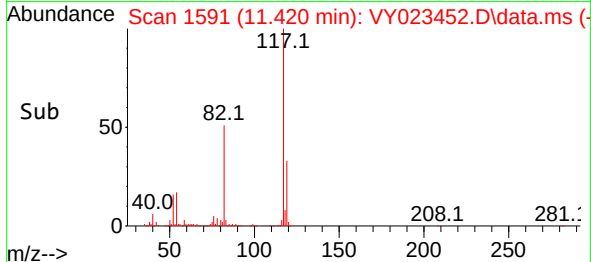
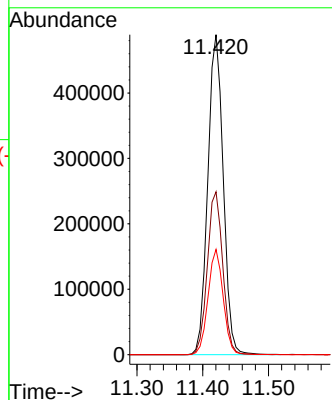
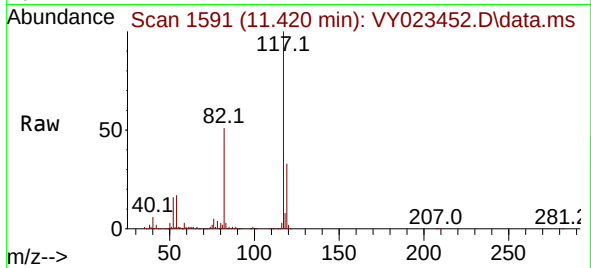




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023452.D
Acq: 13 Oct 2025 15:05

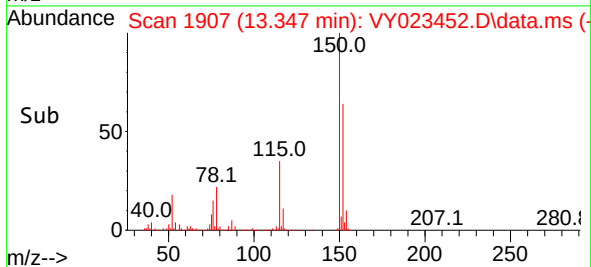
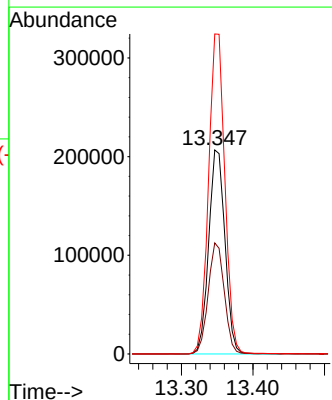
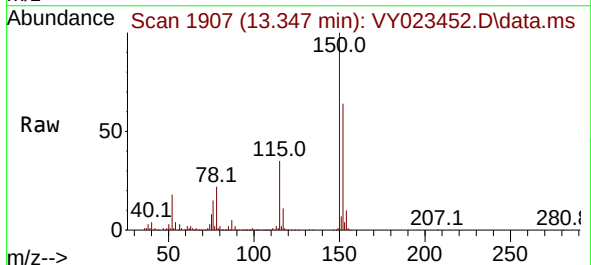
Instrument :
MSVOA_Y
ClientSampleId :
LAYDOWN-YARD-1

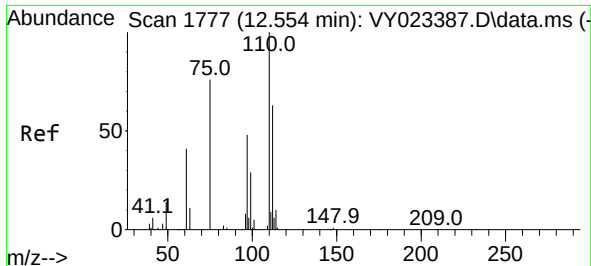
Tgt Ion:117 Resp: 799657
Ion Ratio Lower Upper
117 100
82 50.9 41.0 61.4
119 32.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023452.D
Acq: 13 Oct 2025 15:05

Tgt Ion:152 Resp: 326953
Ion Ratio Lower Upper
152 100
115 54.0 27.1 81.2
150 157.0 0.0 347.4

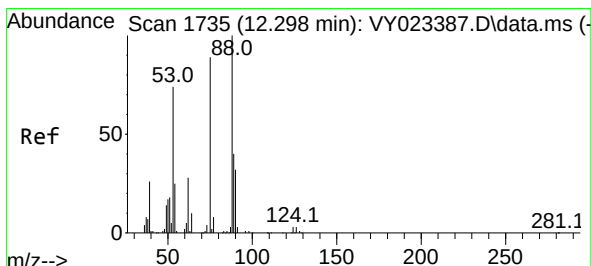
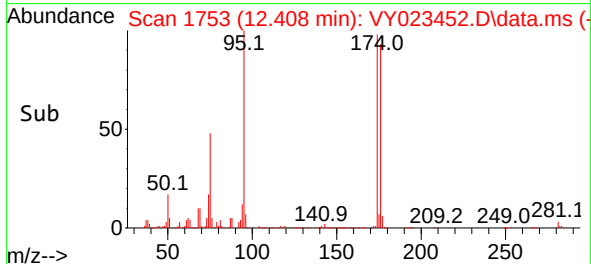
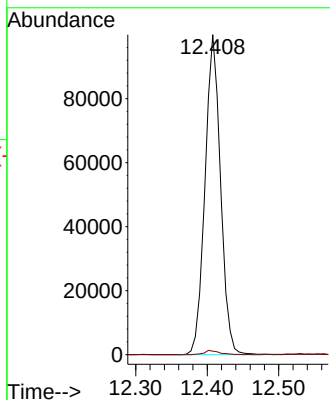
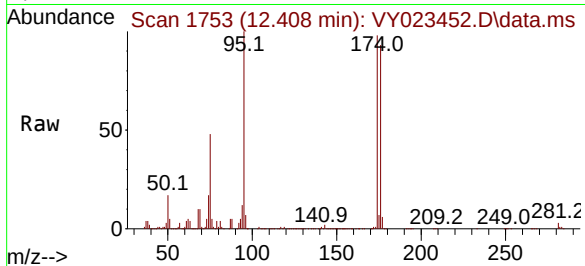




#76
 1,2,3-Trichloropropane
 Concen: 52.314 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY023452.D
 Acq: 13 Oct 2025 15:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 LAYDOWN-YARD-1

Tgt Ion: 75 Resp: 150905
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.284 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.110 min
 Lab File: VY023452.D
 Acq: 13 Oct 2025 15:05

Tgt Ion: 75 Resp: 150905
 Ion Ratio Lower Upper
 75 100
 53 0.1 68.6 102.8#
 89 0.0 39.0 58.4#

