

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101325\
 Data File : VY023451.D
 Acq On : 13 Oct 2025 10:57
 Operator : SY/MD
 Sample : Q3332-01
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 100225-D

Quant Time: Oct 14 04:17:12 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)

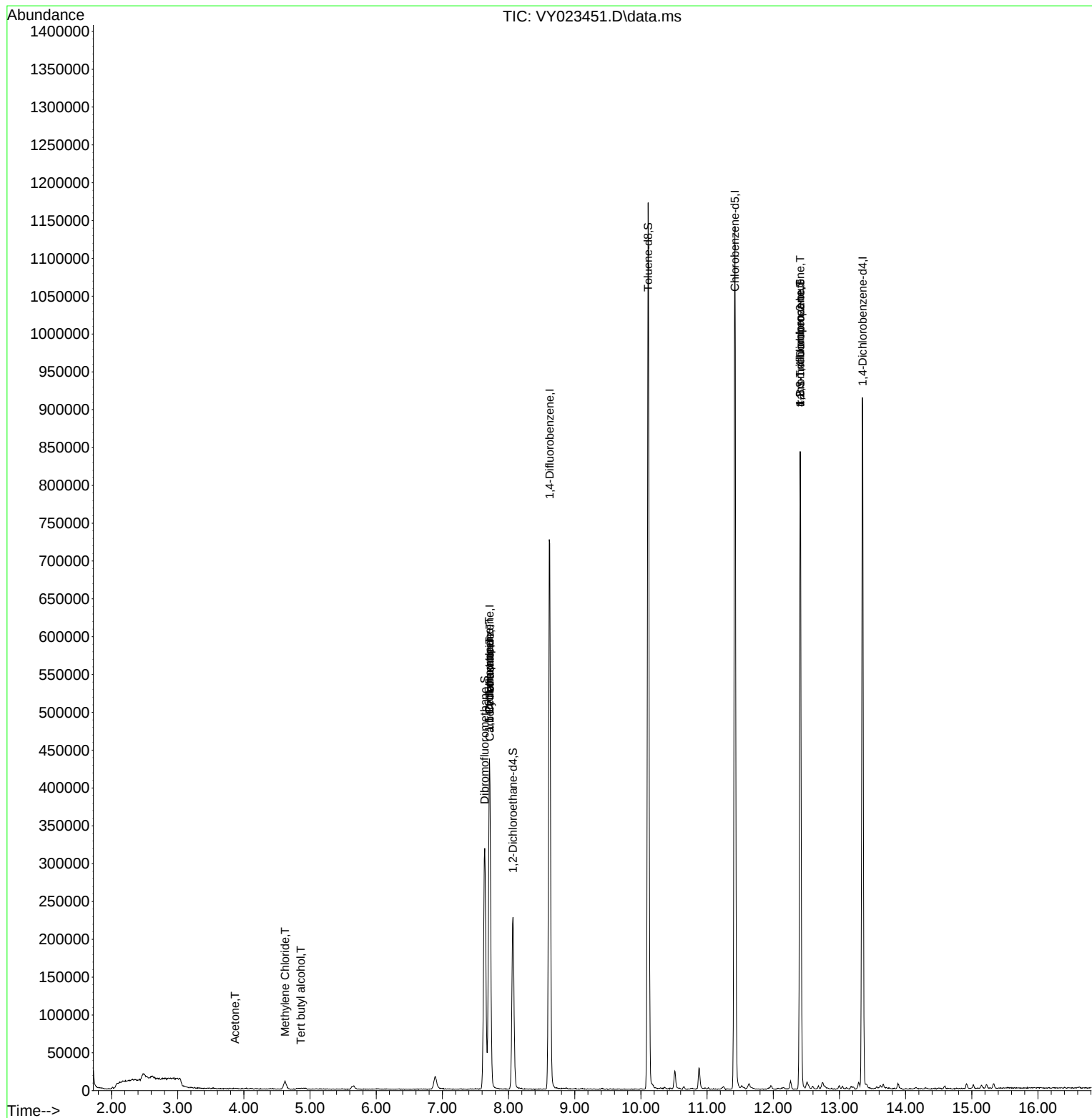
Internal Standards						
1) Pentafluorobenzene	7.713	168	371715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	672615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	653152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	251569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	178253	57.347	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.700%
35) Dibromofluoromethane	7.640	113	229686	55.575	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.160%
50) Toluene-d8	10.109	98	778876	50.605	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.200%
62) 4-Bromofluorobenzene	12.407	95	246382	48.487	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.980%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	1461	6.318	ug/l #	81
16) Acetone	3.866	43	1214	1.641	ug/l #	66
20) Methylene Chloride	4.622	84	7940	1.984	ug/l	97
31) Cyclohexane	7.713	56	6989	1.352	ug/l #	10
36) 1,1-Dichloropropene	7.707	75	24195	4.422	ug/l #	47
38) Carbon Tetrachloride	7.719	117	33115	4.991	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	119801	53.976	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	119801	132.360	ug/l #	15

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

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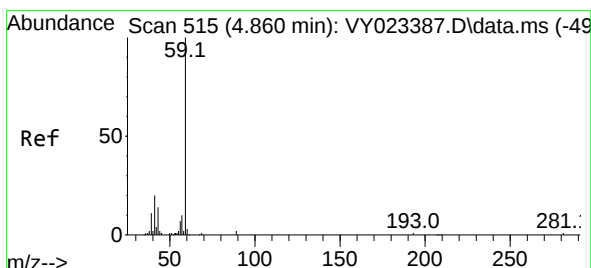
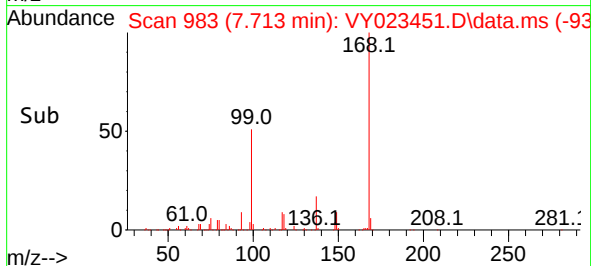
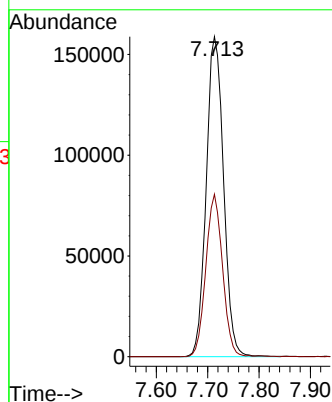
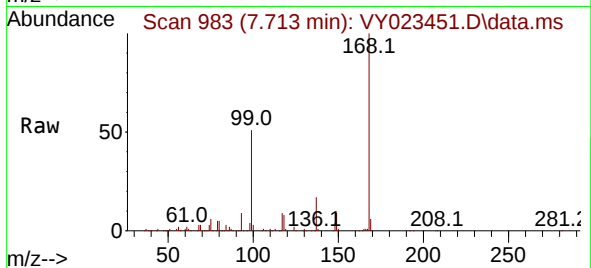




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

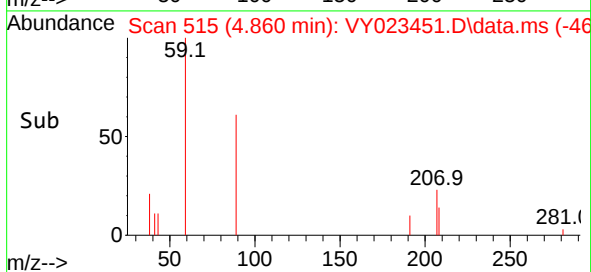
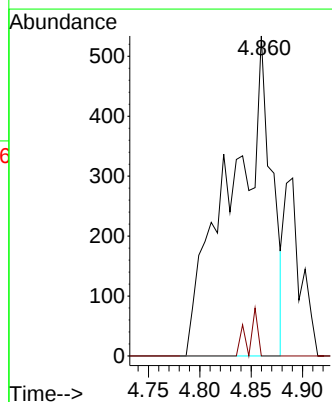
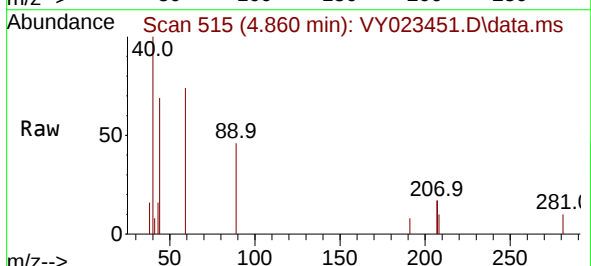
Instrument :
MSVOA_Y
ClientSampleId :
100225-D

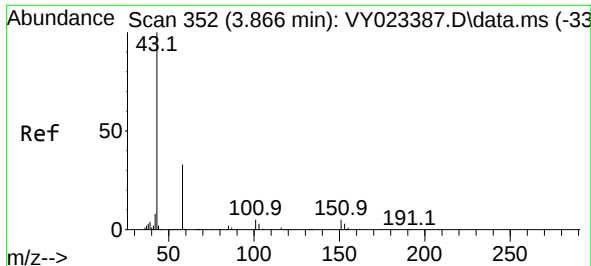
Tgt Ion:168 Resp: 371715
Ion Ratio Lower Upper
168 100
99 50.7 39.7 59.5



#11
Tert butyl alcohol
Concen: 6.318 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.000 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

Tgt Ion: 59 Resp: 1461
Ion Ratio Lower Upper
59 100
57 3.3 8.3 12.5#

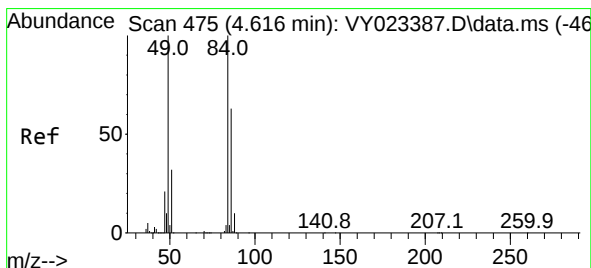
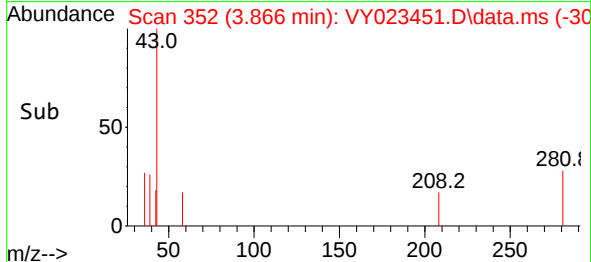
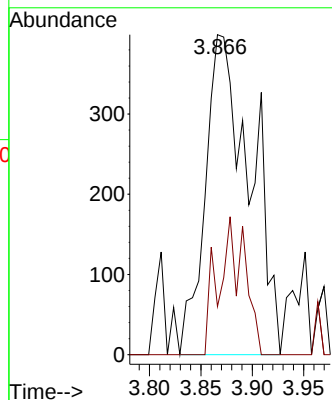
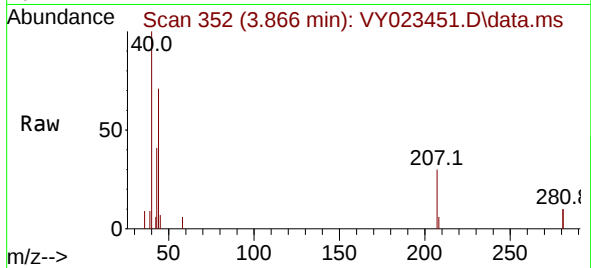




#16
Acetone
Concen: 1.641 ug/l
RT: 3.866 min Scan# 311
Delta R.T. -0.000 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

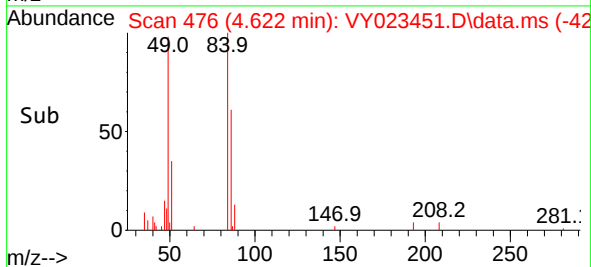
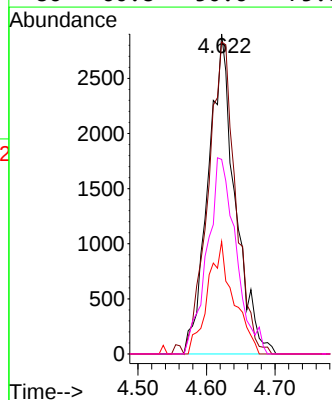
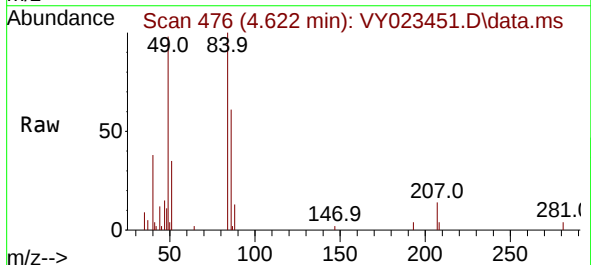
Instrument :
MSVOA_Y
ClientSampleId :
100225-D

Tgt Ion: 43 Resp: 1214
Ion Ratio Lower Upper
43 100
58 15.0 27.7 41.5#



#20
Methylene Chloride
Concen: 1.984 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

Tgt Ion: 84 Resp: 7940
Ion Ratio Lower Upper
84 100
49 97.5 80.2 120.4
51 35.1 25.9 38.9
86 60.8 50.6 75.8

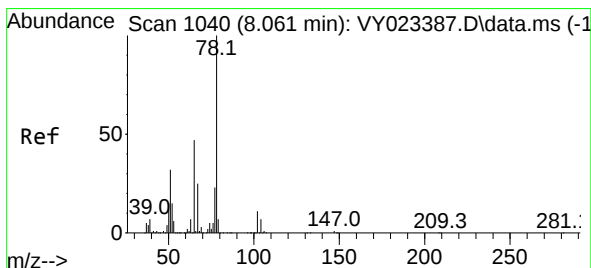
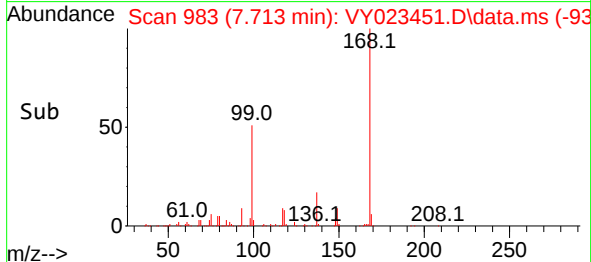
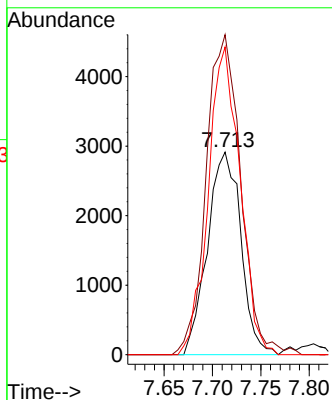
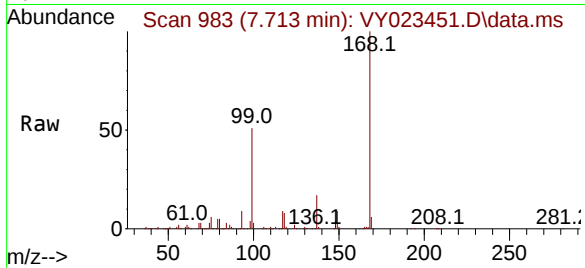




#31
Cyclohexane
Concen: 1.352 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

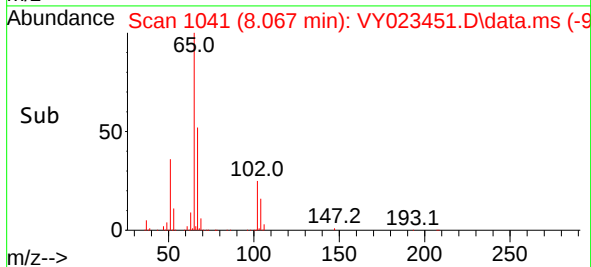
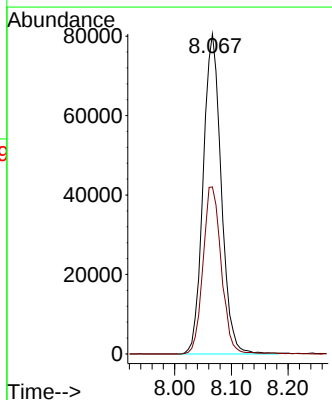
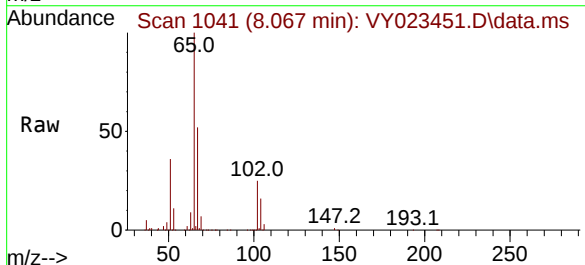
Instrument :
MSVOA_Y
ClientSampleId :
100225-D

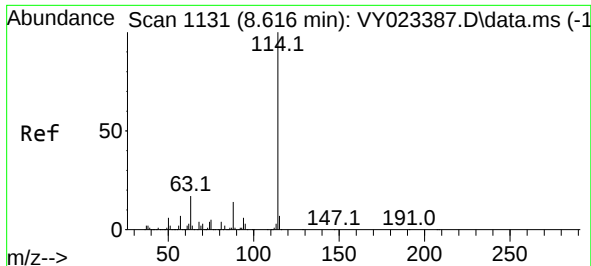
Tgt Ion: 56 Resp: 6989
Ion Ratio Lower Upper
56 100
69 155.6 30.0 45.0#
84 151.9 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 57.347 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

Tgt Ion: 65 Resp: 178253
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8

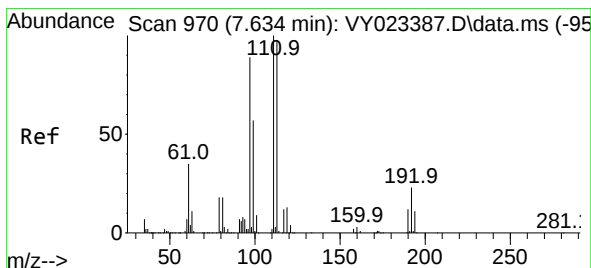
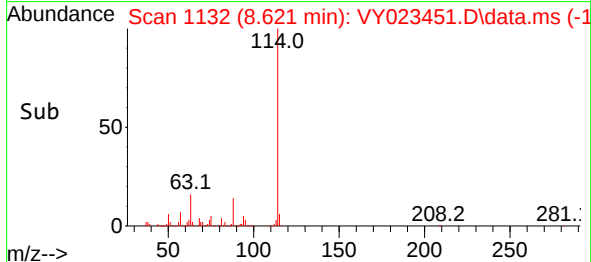
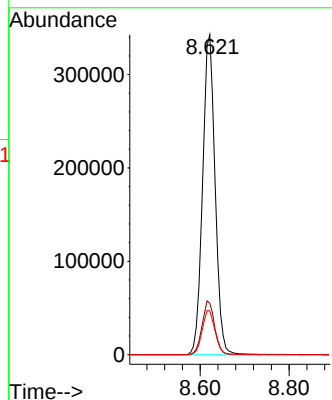
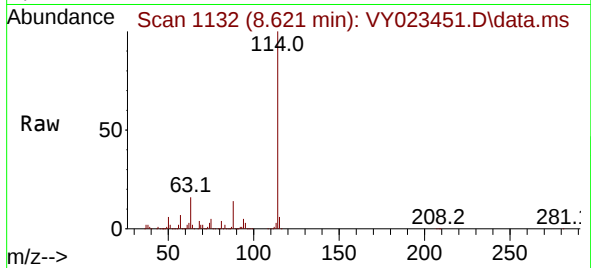




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

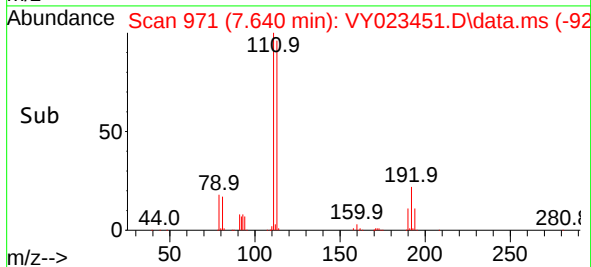
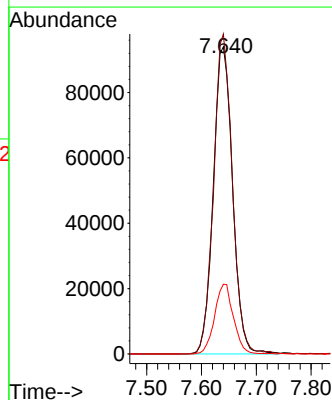
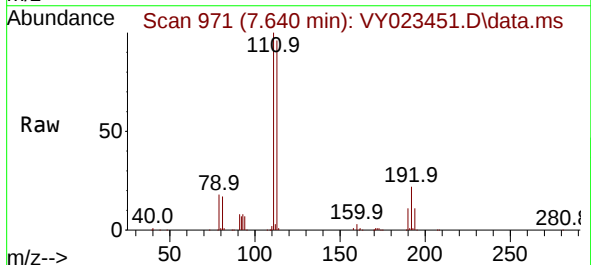
Instrument :
MSVOA_Y
ClientSampleId :
100225-D

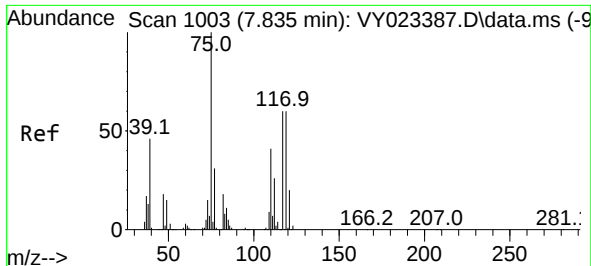
Tgt Ion:114 Resp: 672615
Ion Ratio Lower Upper
114 100
63 16.1 0.0 34.2
88 13.7 0.0 28.4



#35
Dibromofluoromethane
Concen: 55.575 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

Tgt Ion:113 Resp: 229686
Ion Ratio Lower Upper
113 100
111 101.5 81.8 122.6
192 22.2 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.422 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023451.D

Acq: 13 Oct 2025 10:57

Instrument :

MSVOA_Y

ClientSampleId :

100225-D

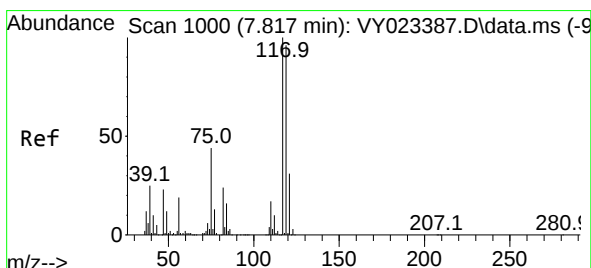
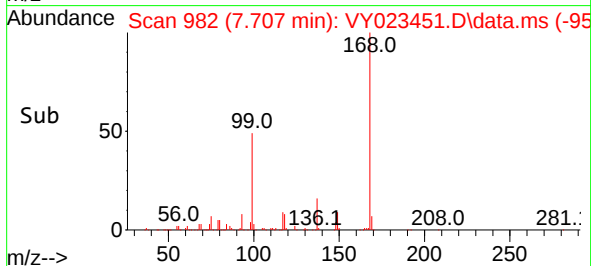
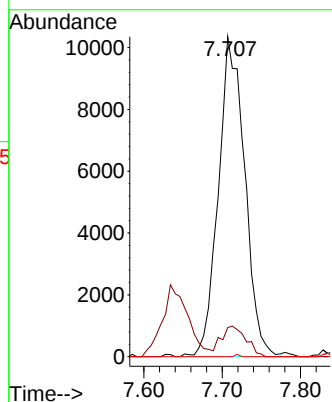
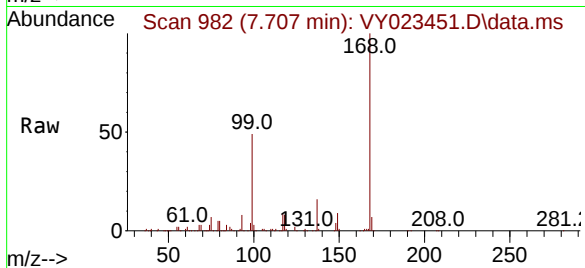
Tgt Ion: 75 Resp: 24195

Ion Ratio Lower Upper

75 100

110 8.9 19.9 59.7#

77 0.1 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 4.991 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.098 min

Lab File: VY023451.D

Acq: 13 Oct 2025 10:57

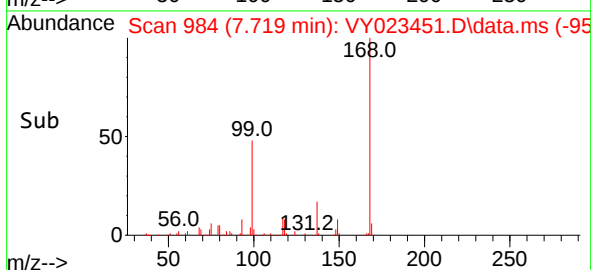
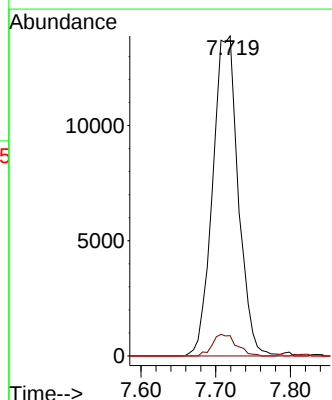
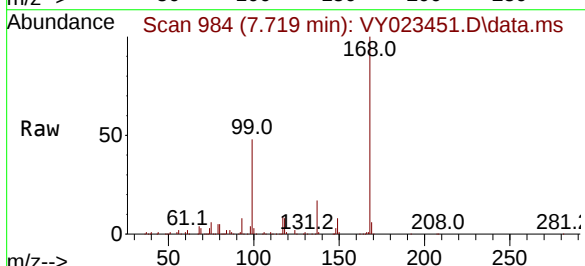
Tgt Ion: 117 Resp: 33115

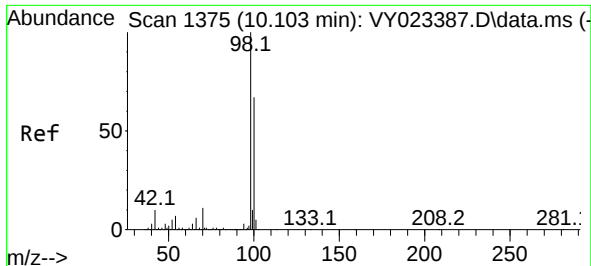
Ion Ratio Lower Upper

117 100

119 6.4 76.8 115.2#

121 0.0 24.5 36.7#

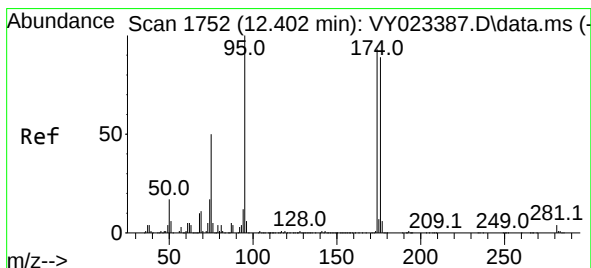
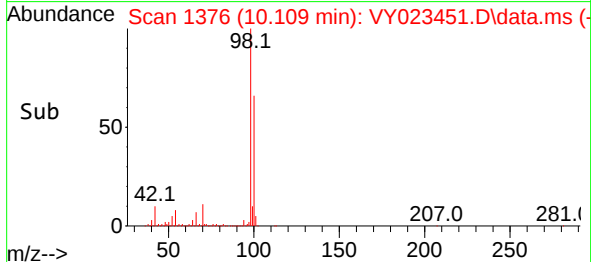
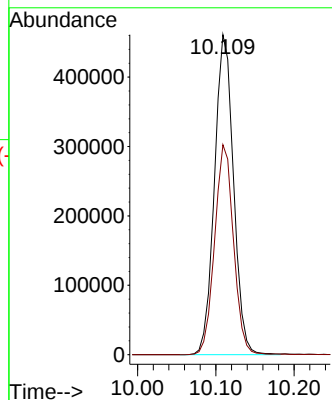
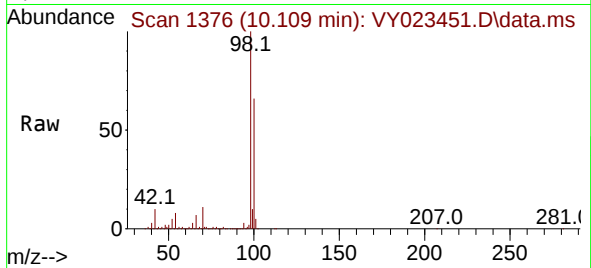




#50
Toluene-d8
Concen: 50.605 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

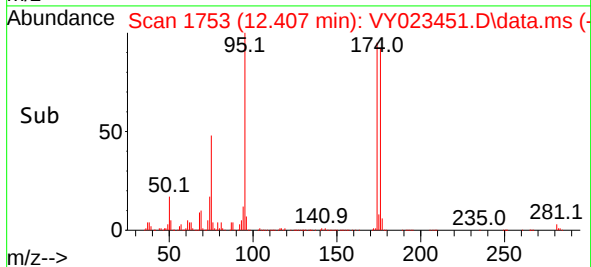
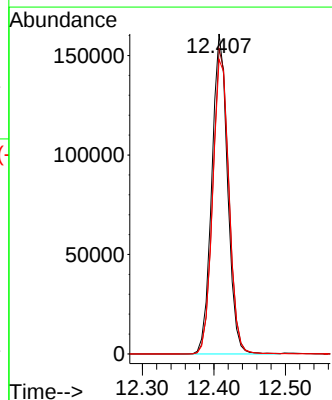
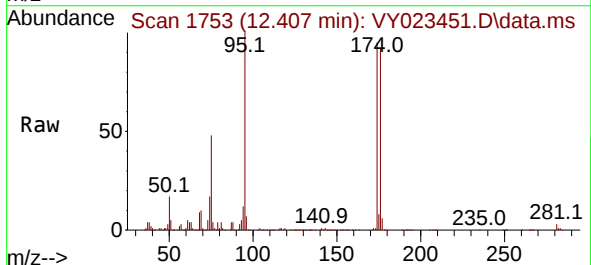
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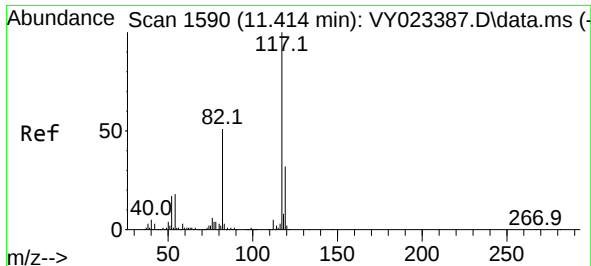
Tgt Ion: 98 Resp: 778876
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 48.487 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

Tgt Ion: 95 Resp: 246382
Ion Ratio Lower Upper
95 100
174 97.1 0.0 192.8
176 95.0 0.0 187.6

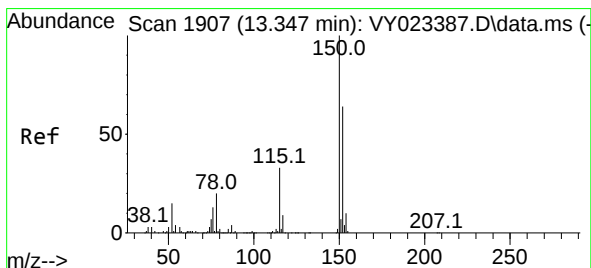
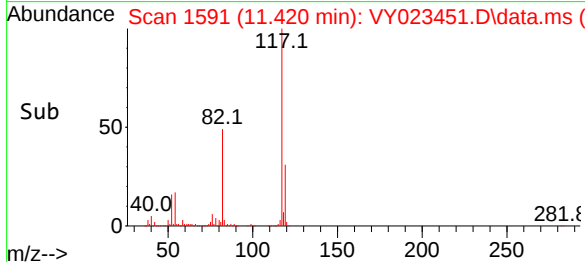
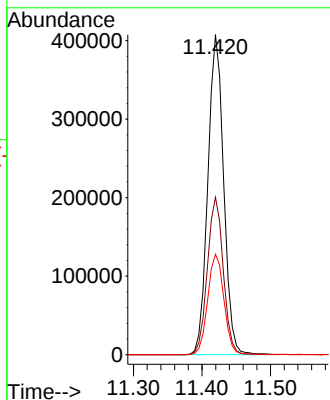
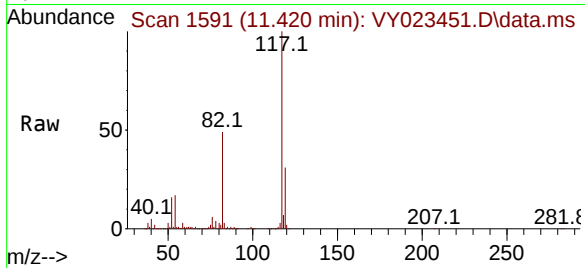




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

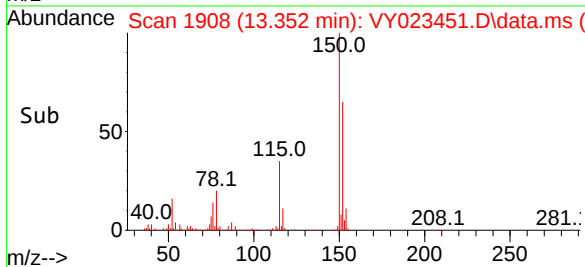
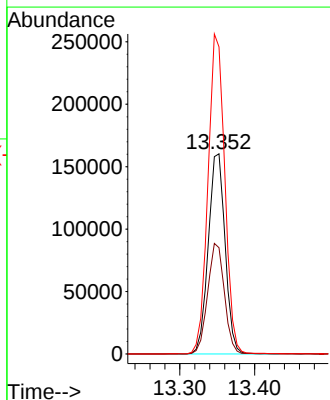
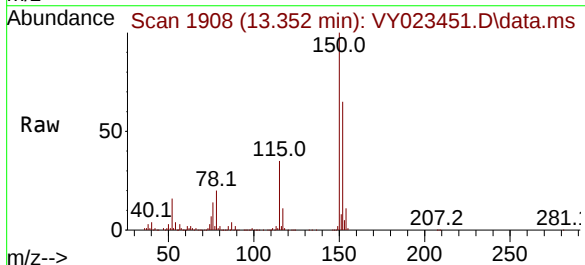
Instrument :
MSVOA_Y
ClientSampleId :
100225-D

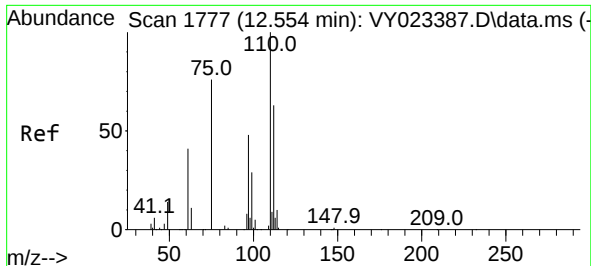
Tgt Ion:117 Resp: 653152
Ion Ratio Lower Upper
117 100
82 49.2 41.0 61.4
119 31.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

Tgt Ion:152 Resp: 251569
Ion Ratio Lower Upper
152 100
115 55.1 27.1 81.2
150 159.0 0.0 347.4

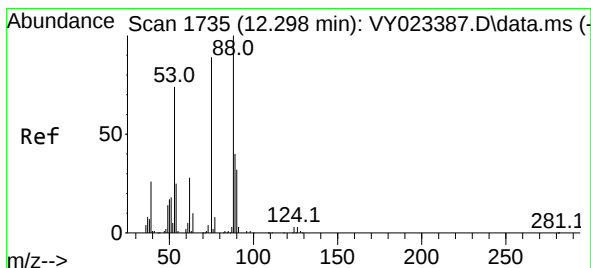
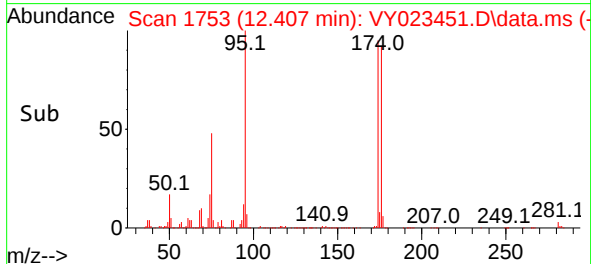
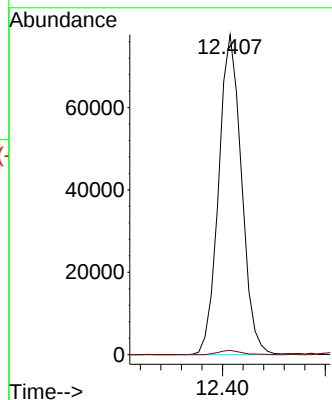
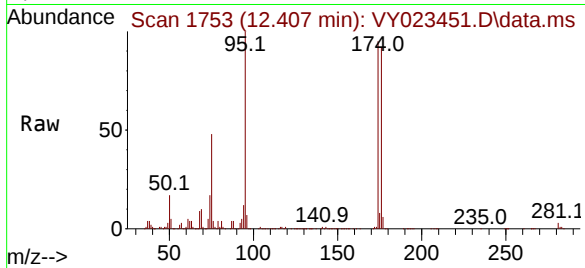




#76
1,2,3-Trichloropropane
Concen: 53.976 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.147 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
100225-D

Tgt Ion: 75 Resp: 119801
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.360 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.109 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

Tgt Ion: 75 Resp: 119801
Ion Ratio Lower Upper
75 100
53 0.2 68.6 102.8#
89 0.1 39.0 58.4#

