

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022460.D
 Acq On : 29 May 2025 12:25
 Operator : SY/MD
 Sample : Q2150-01
 Misc : 7.32g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-44

Quant Time: May 30 05:33:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

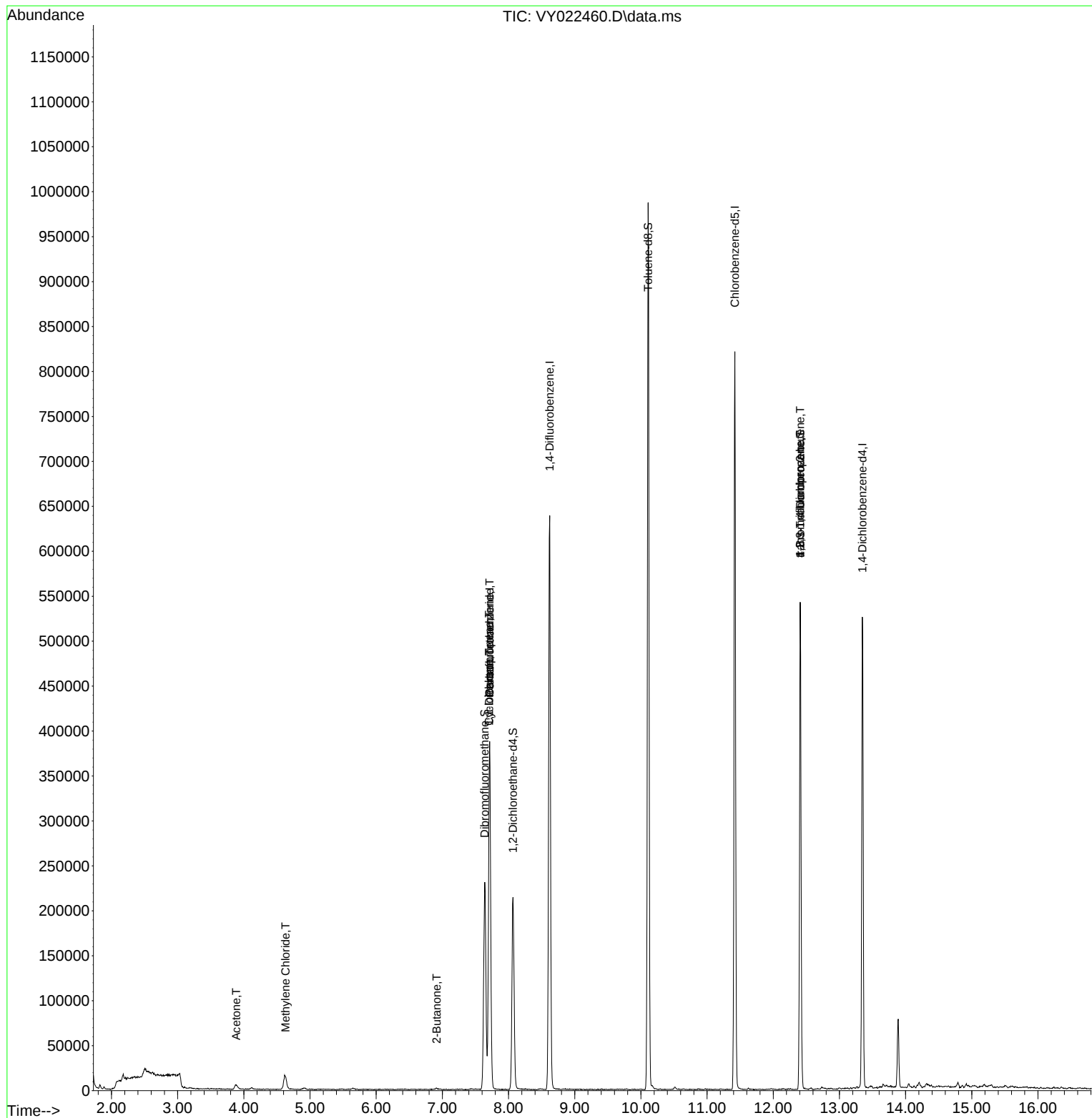
Internal Standards						
1) Pentafluorobenzene	7.713	168	284770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	525823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	402756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	123686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	158622	52.883	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.760%	
35) Dibromofluoromethane	7.640	113	158238	51.386	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.780%	
50) Toluene-d8	10.109	98	619315	49.335	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.660%	
62) 4-Bromofluorobenzene	12.408	95	142942	37.644	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 75.280%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	9644	19.566	ug/l	95
20) Methylene Chloride	4.629	84	10949	3.146	ug/l	89
25) 2-Butanone	6.915	43	1484	1.808	ug/l #	72
31) Cyclohexane	7.707	56	7887	1.367	ug/l #	32
36) 1,1-Dichloropropene	7.707	75	25425	5.203	ug/l #	50
38) Carbon Tetrachloride	7.713	117	29139	5.724	ug/l #	15
76) 1,2,3-Trichloropropane	12.408	75	84181	67.947	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	84181	153.660	ug/l #	12

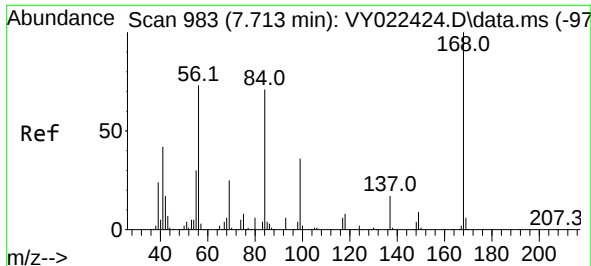
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
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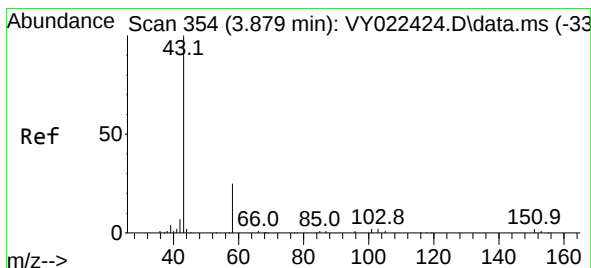
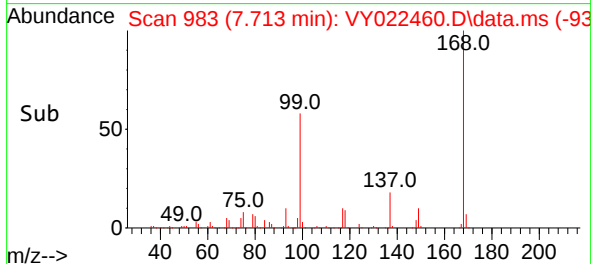
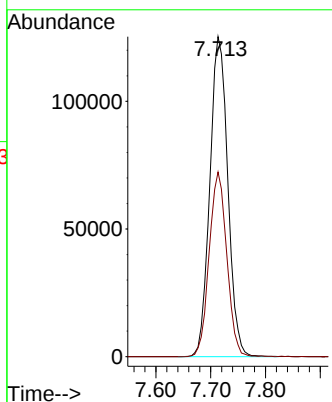
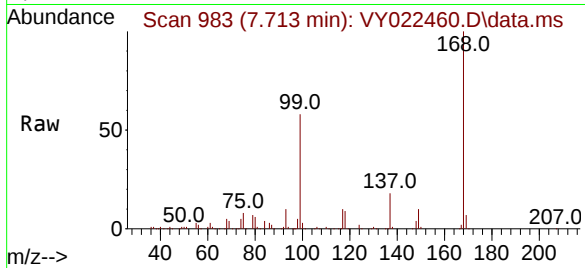




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

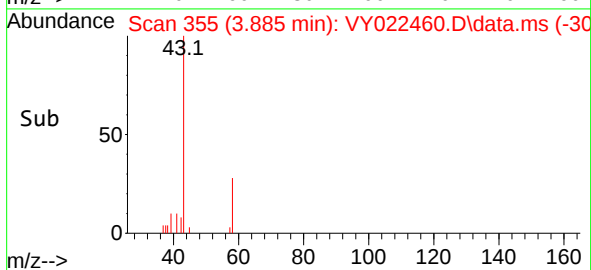
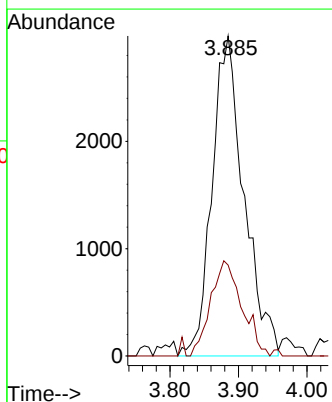
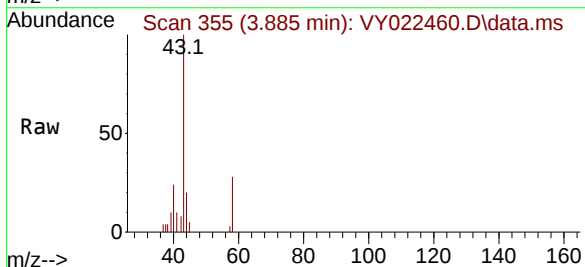
Instrument :
MSVOA_Y
ClientSampleId :
TP-44

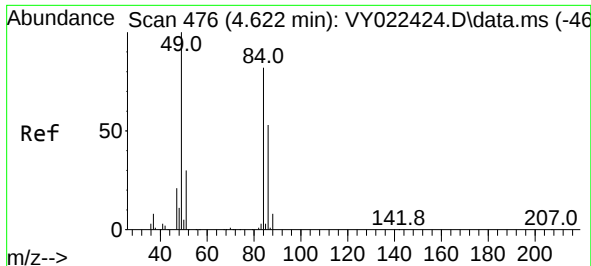
Tgt Ion:168 Resp: 284770
Ion Ratio Lower Upper
168 100
99 57.7 44.7 67.1



#16
Acetone
Concen: 19.566 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

Tgt Ion: 43 Resp: 9644
Ion Ratio Lower Upper
43 100
58 28.4 20.6 30.8

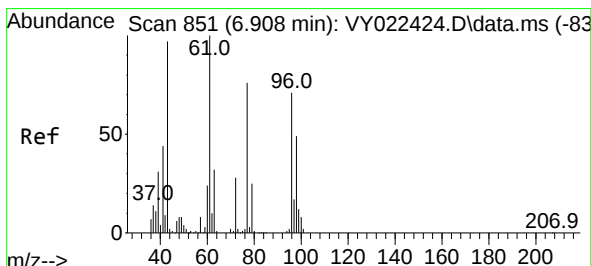
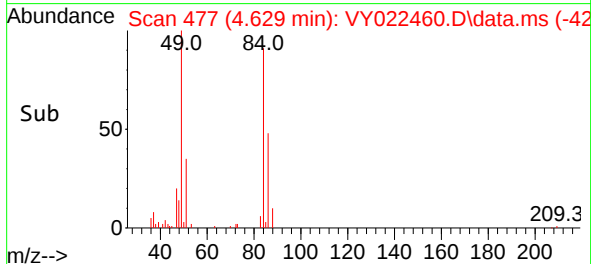
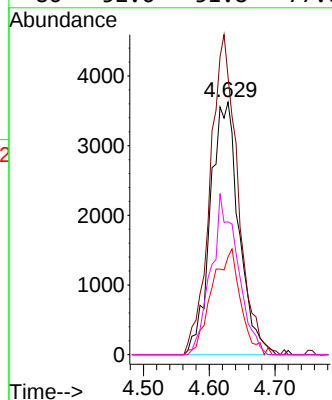
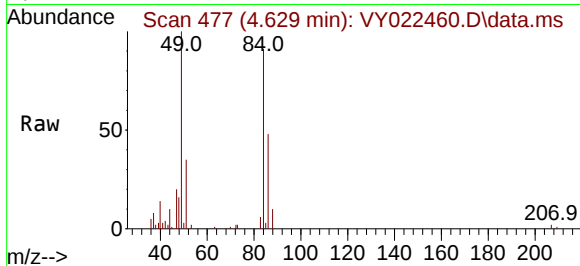




#20
Methylene Chloride
Concen: 3.146 ug/l
RT: 4.629 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

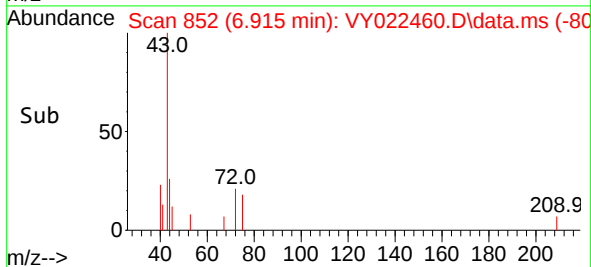
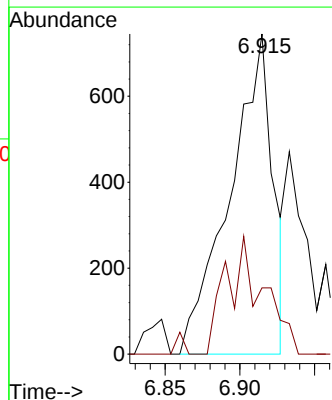
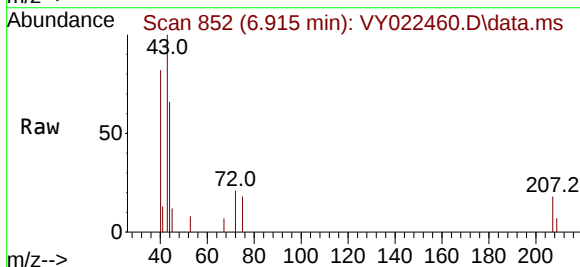
Instrument :
MSVOA_Y
ClientSampleId :
TP-44

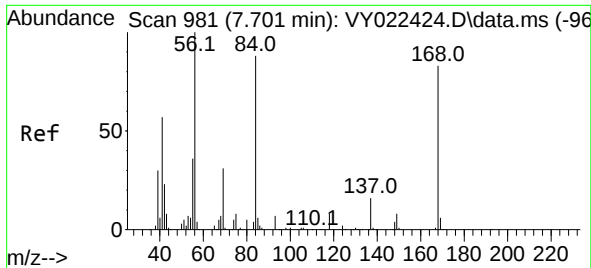
Tgt Ion:	84	Resp:	10949
Ion	Ratio	Lower	Upper
84	100		
49	110.1	97.8	146.8
51	38.7	29.5	44.3
86	52.6	51.8	77.6



#25
2-Butanone
Concen: 1.808 ug/l
RT: 6.915 min Scan# 852
Delta R.T. 0.006 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

Tgt Ion:	43	Resp:	1484
Ion	Ratio	Lower	Upper
43	100		
72	13.8	22.8	34.2#

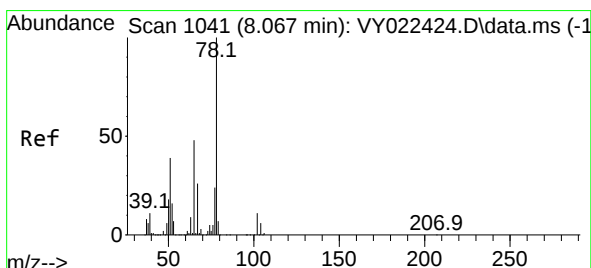
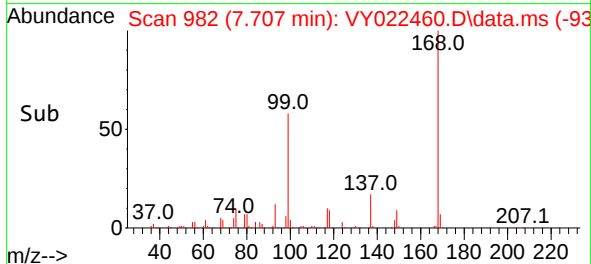
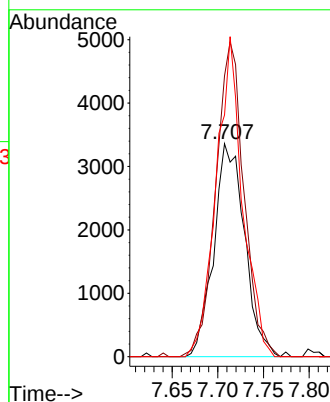
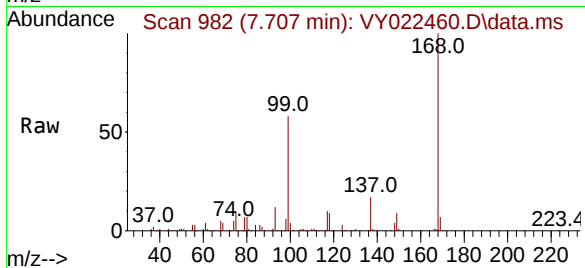




#31
Cyclohexane
Concen: 1.367 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

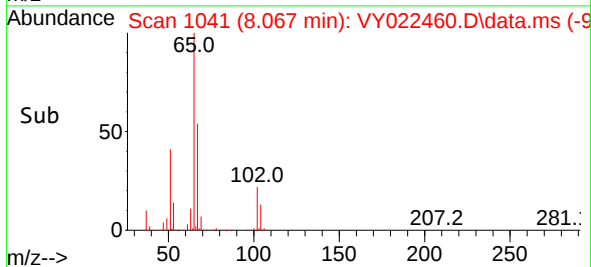
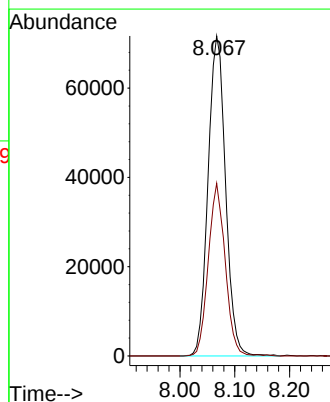
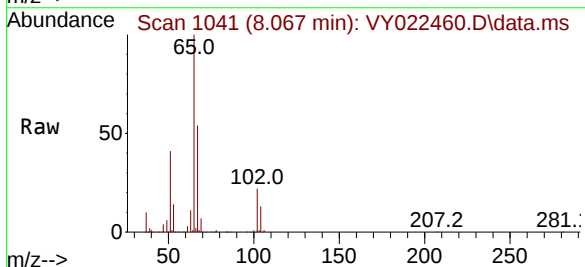
Instrument :
MSVOA_Y
ClientSampleId :
TP-44

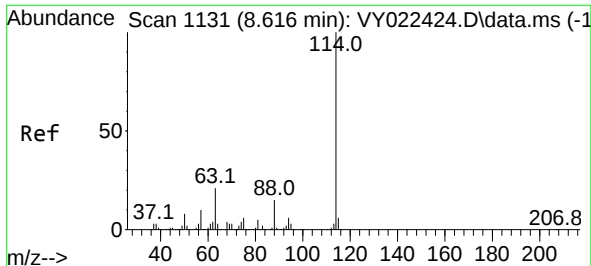
Tgt Ion: 56 Resp: 7887
Ion Ratio Lower Upper
56 100
69 131.8 24.6 36.8#
84 113.4 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 52.883 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

Tgt Ion: 65 Resp: 158622
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.4

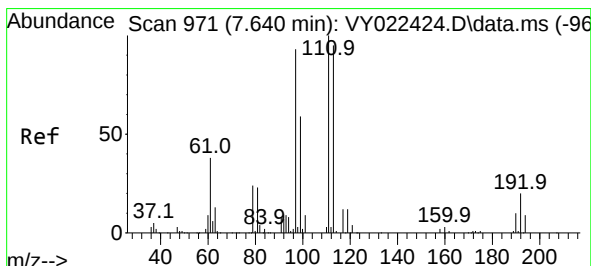
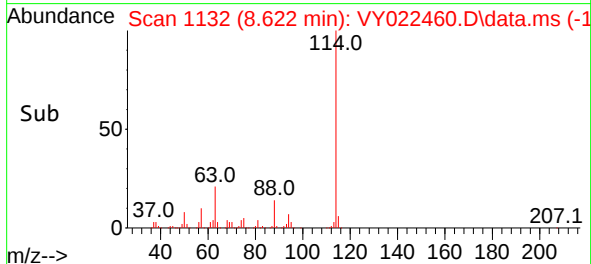
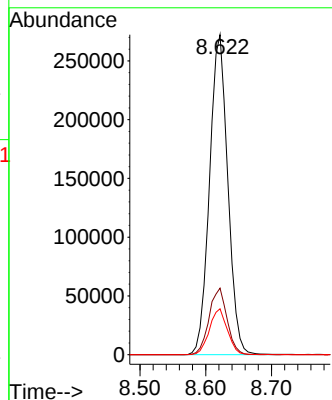
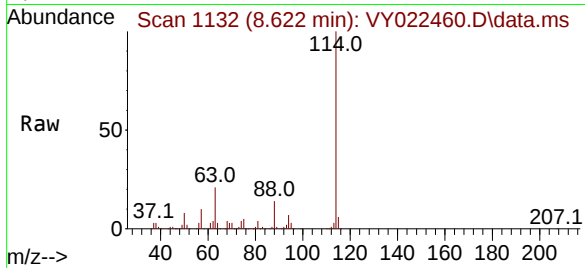




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

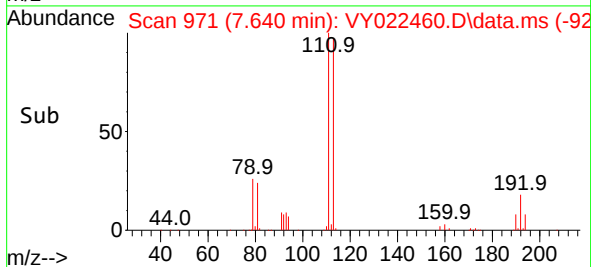
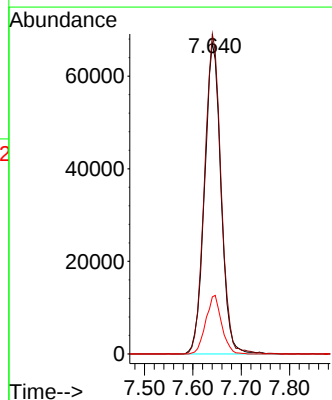
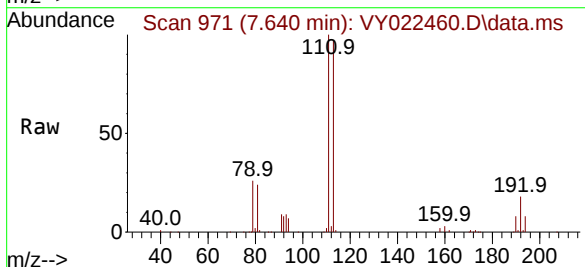
Instrument :
MSVOA_Y
ClientSampleId :
TP-44

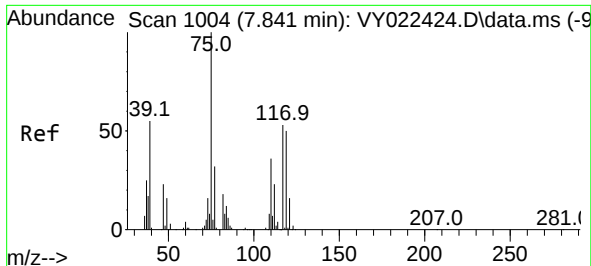
Tgt Ion:114 Resp: 525823
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.6
88 14.3 0.0 29.4



#35
Dibromofluoromethane
Concen: 51.386 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

Tgt Ion:113 Resp: 158238
Ion Ratio Lower Upper
113 100
111 103.5 82.4 123.6
192 18.2 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.203 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY022460.D

Acq: 29 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

TP-44

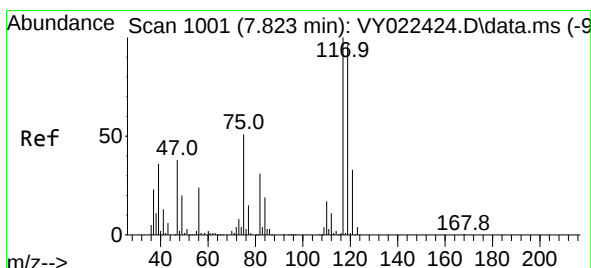
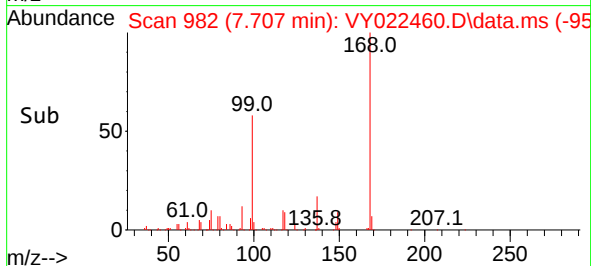
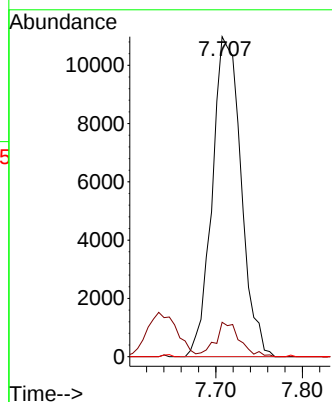
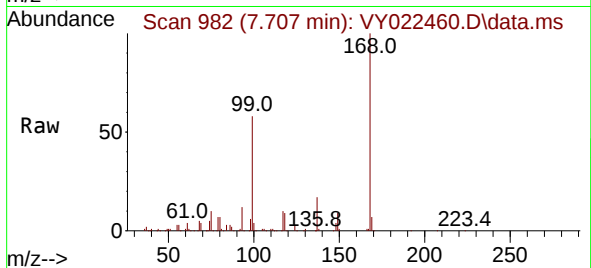
Tgt Ion: 75 Resp: 25425

Ion Ratio Lower Upper

75 100

110 9.1 17.1 51.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.724 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY022460.D

Acq: 29 May 2025 12:25

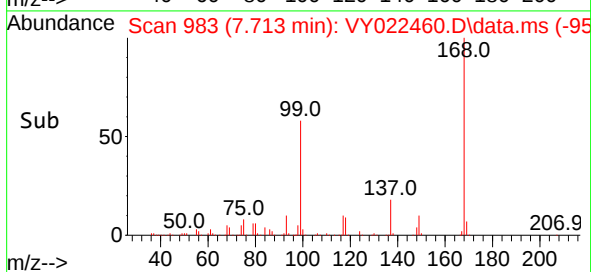
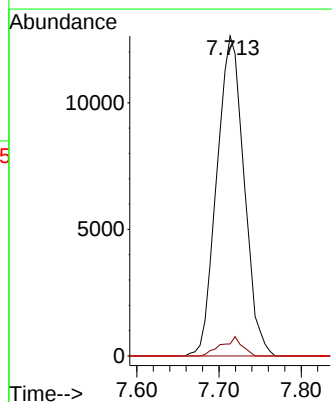
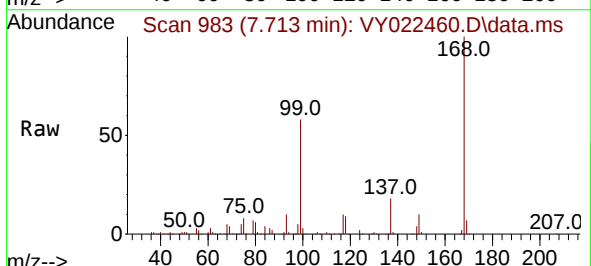
Tgt Ion: 117 Resp: 29139

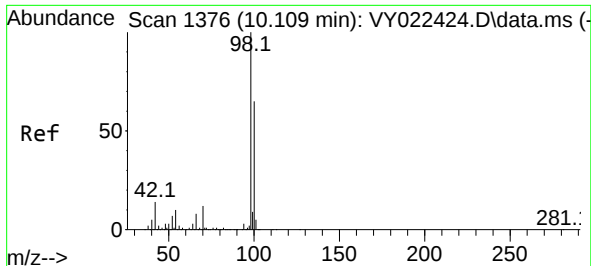
Ion Ratio Lower Upper

117 100

119 3.8 76.3 114.5#

121 0.0 26.1 39.1#

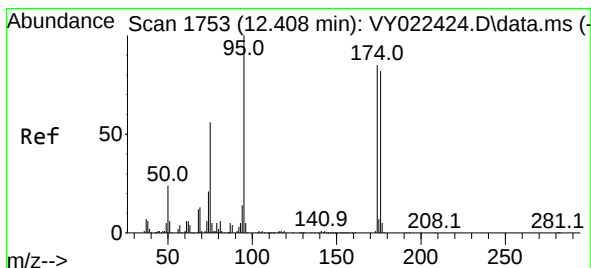
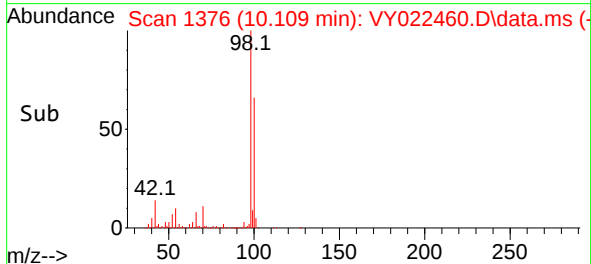
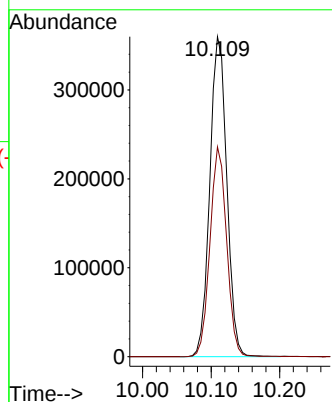
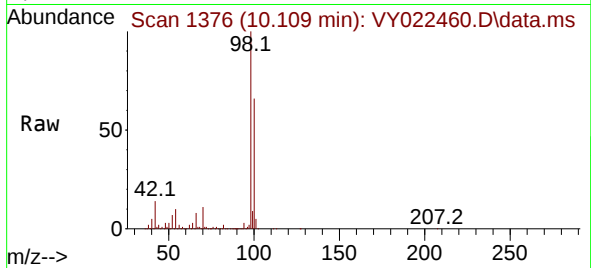




#50
Toluene-d8
Concen: 49.335 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

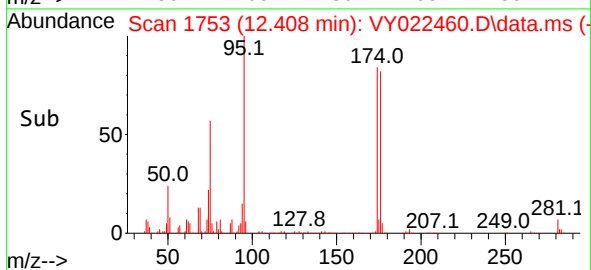
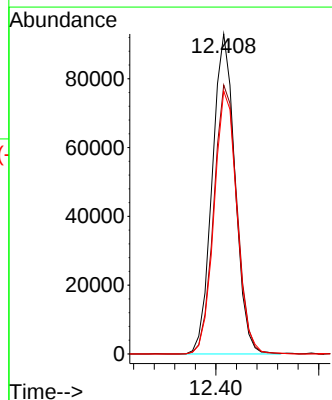
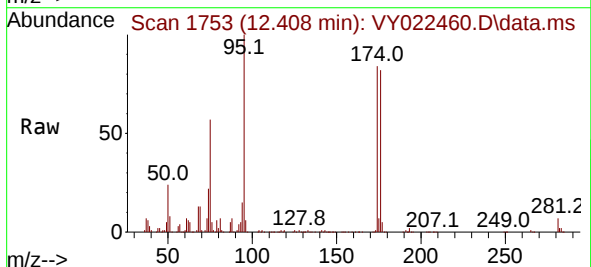
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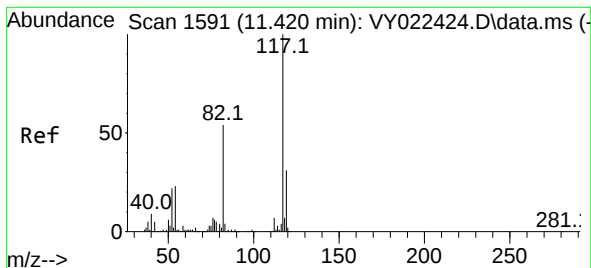
Tgt Ion: 98 Resp: 619315
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 37.644 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

Tgt Ion: 95 Resp: 142942
Ion Ratio Lower Upper
95 100
174 86.0 0.0 171.6
176 82.6 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022460.D

Acq: 29 May 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

TP-44

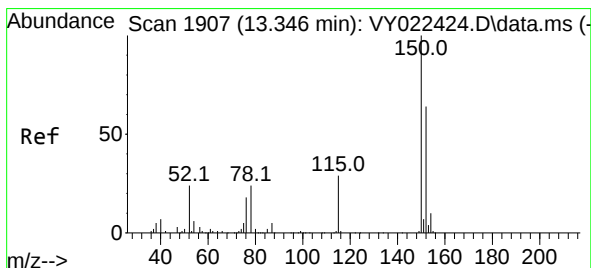
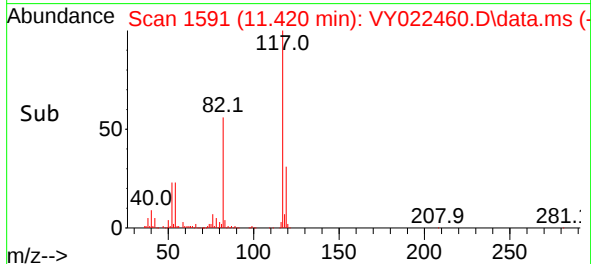
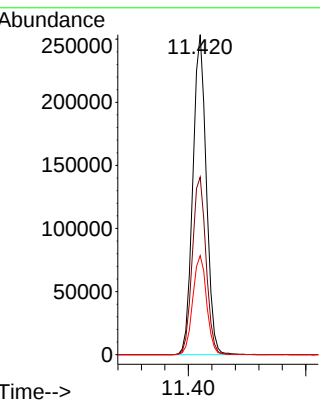
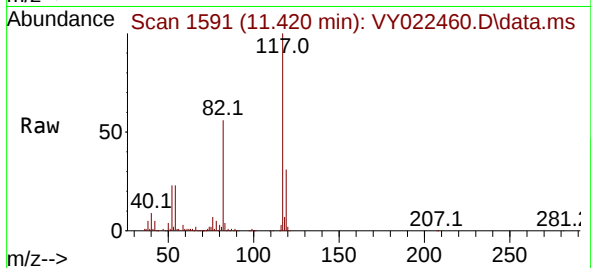
Tgt Ion:117 Resp: 402756

Ion Ratio Lower Upper

117 100

82 55.5 43.3 64.9

119 30.9 24.5 36.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022460.D

Acq: 29 May 2025 12:25

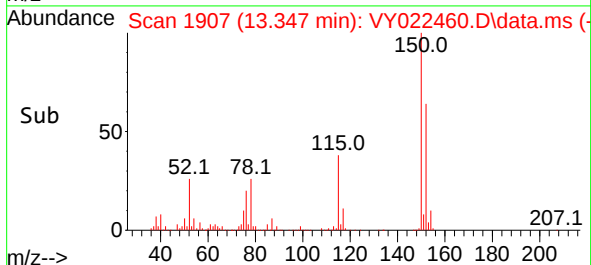
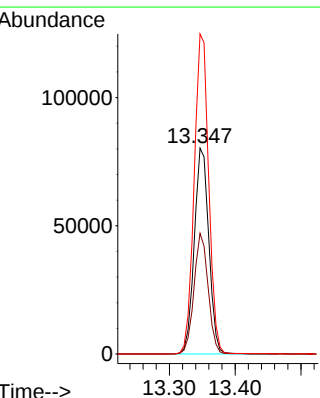
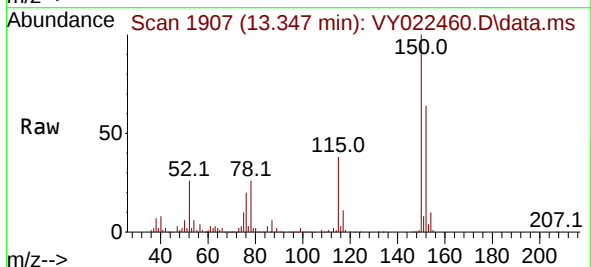
Tgt Ion:152 Resp: 123686

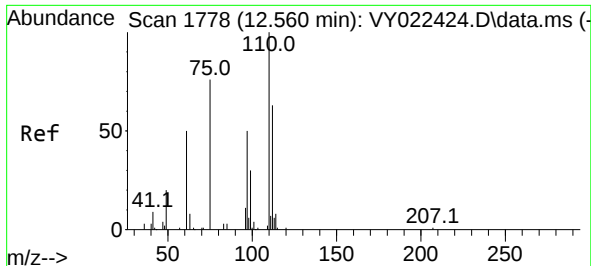
Ion Ratio Lower Upper

152 100

115 56.9 28.4 85.3

150 155.1 0.0 345.8

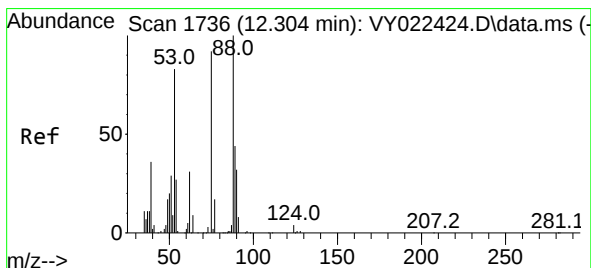
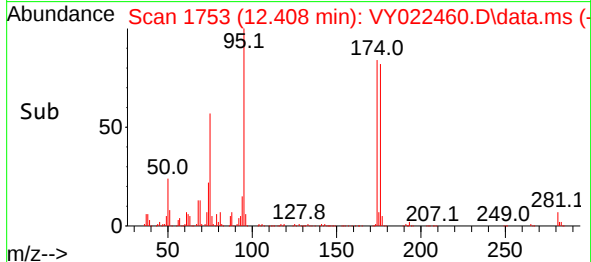
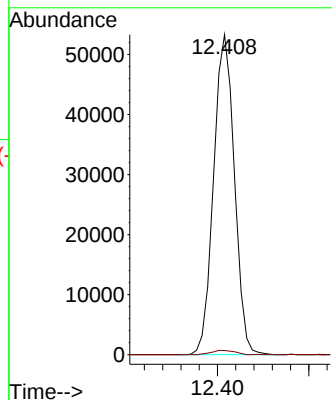
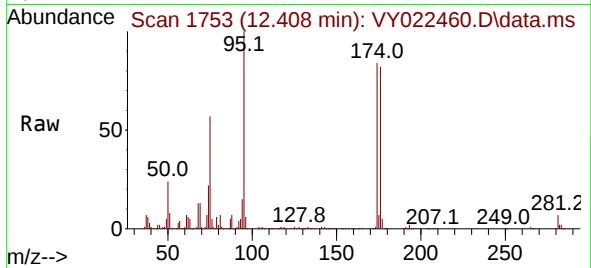




#76
1,2,3-Trichloropropane
Concen: 67.947 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

Instrument :
MSVOA_Y
ClientSampleId :
TP-44

Tgt Ion: 75 Resp: 84181
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 153.660 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

Tgt Ion: 75 Resp: 84181
Ion Ratio Lower Upper
75 100
53 0.0 75.1 112.7#
89 0.4 37.4 56.0#

