

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022463.D
 Acq On : 29 May 2025 13:36
 Operator : SY/MD
 Sample : Q2150-04
 Misc : 6.52g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-48

Quant Time: May 30 05:34:27 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)

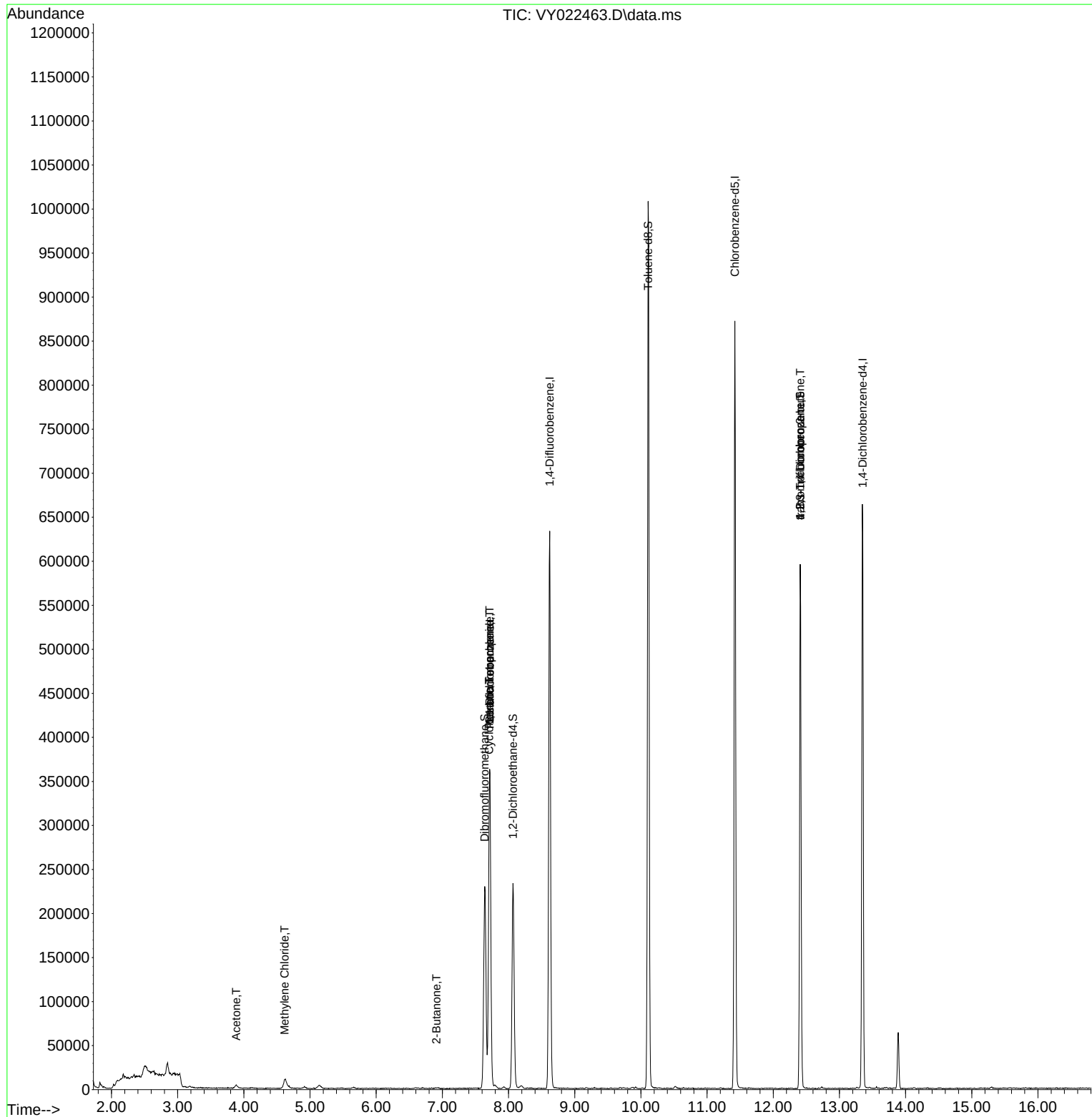
Internal Standards						
1) Pentafluorobenzene	7.719	168	278545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	518246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	419041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	155769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	173294	59.065	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.140%	
35) Dibromofluoromethane	7.640	113	160020	52.725	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.440%	
50) Toluene-d8	10.109	98	625091	50.523	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.040%	
62) 4-Bromofluorobenzene	12.407	95	160933	43.002	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.000%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	6661	13.816	ug/l #	87
20) Methylene Chloride	4.616	84	6620	1.944	ug/l	91
25) 2-Butanone	6.908	43	956	1.191	ug/l #	46
31) Cyclohexane	7.707	56	7634	1.353	ug/l #	25
36) 1,1-Dichloropropene	7.713	75	23812	4.944	ug/l #	50
38) Carbon Tetrachloride	7.713	117	28652	5.711	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	96643	61.939	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	96643	140.073	ug/l #	12

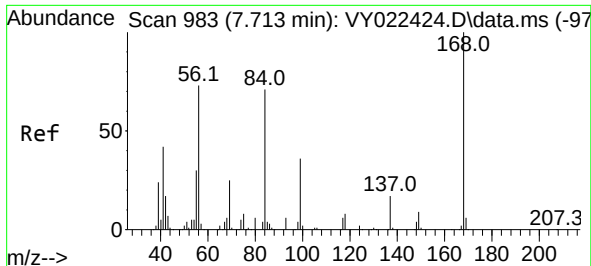
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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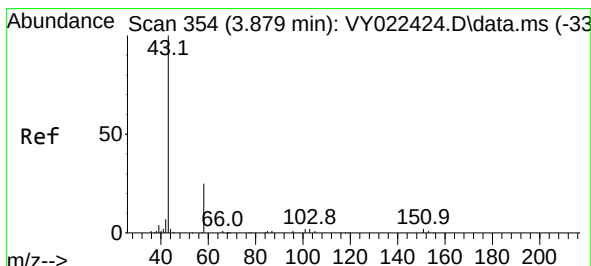
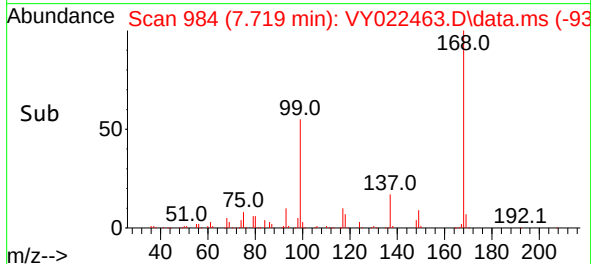
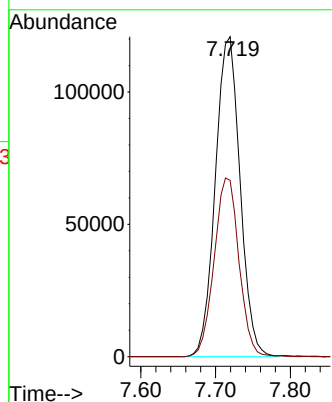
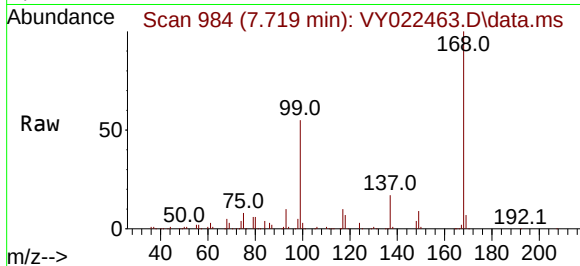




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.006 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

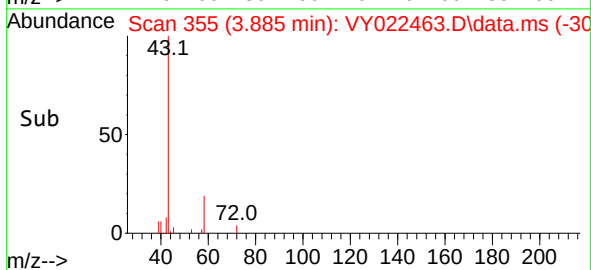
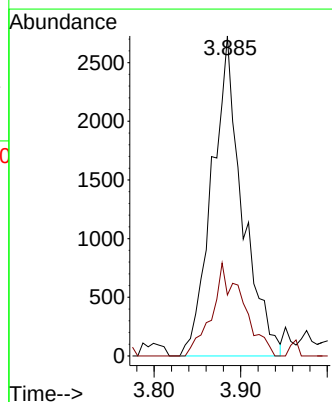
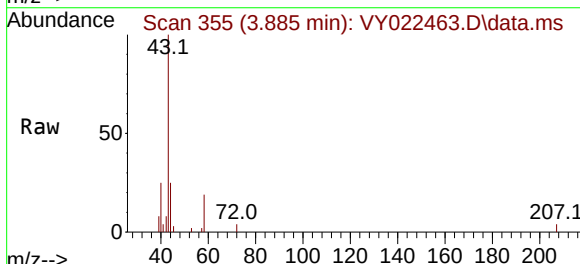
Instrument :
MSVOA_Y
ClientSampleId :
TP-48

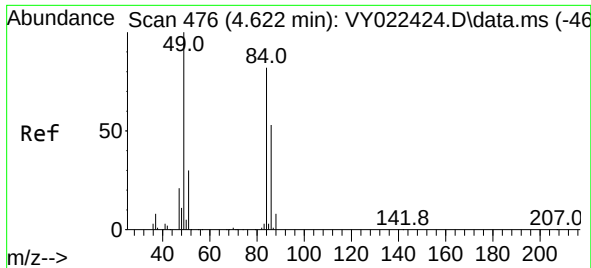
Tgt Ion:168 Resp: 278545
Ion Ratio Lower Upper
168 100
99 55.1 44.7 67.1



#16
Acetone
Concen: 13.816 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

Tgt Ion: 43 Resp: 6661
Ion Ratio Lower Upper
43 100
58 19.1 20.6 30.8#

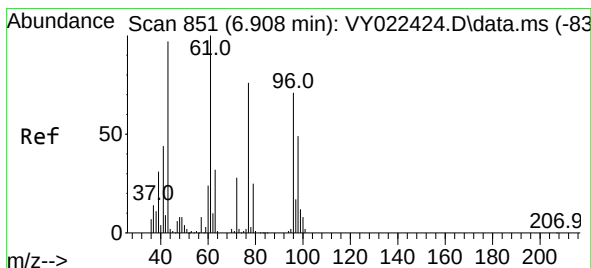
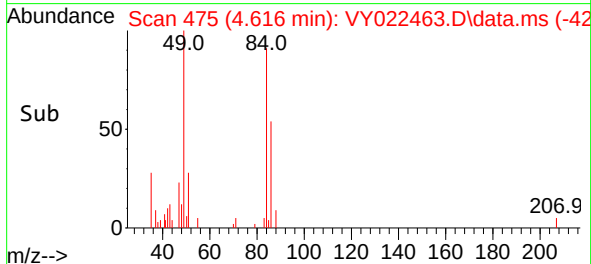
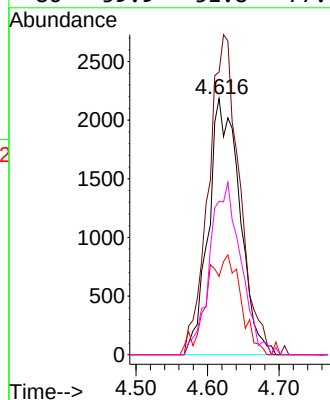
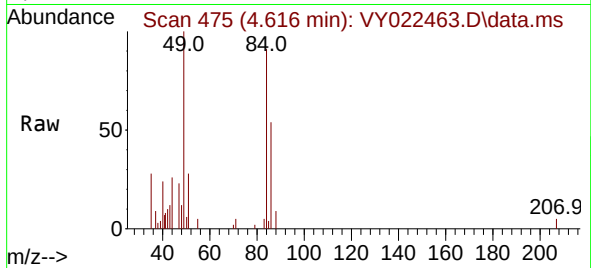




#20
Methylene Chloride
Concen: 1.944 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

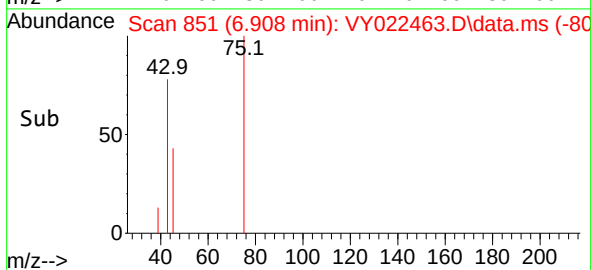
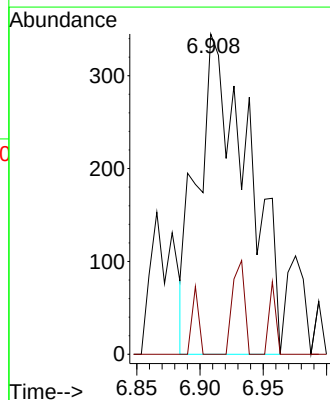
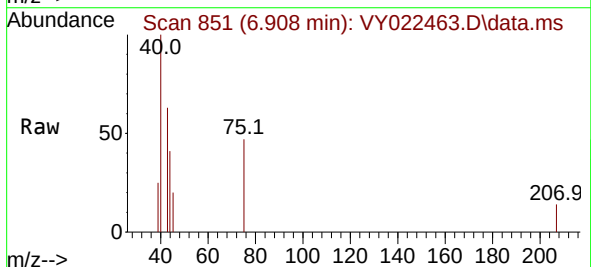
Instrument :
MSVOA_Y
ClientSampleId :
TP-48

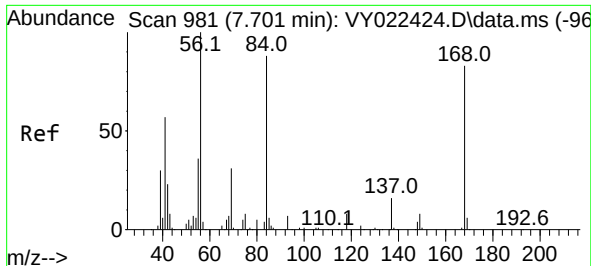
Tgt Ion:	84	Resp:	6620
Ion	Ratio	Lower	Upper
84	100		
49	110.3	97.8	146.8
51	30.6	29.5	44.3
86	59.9	51.8	77.6



#25
2-Butanone
Concen: 1.191 ug/l
RT: 6.908 min Scan# 851
Delta R.T. -0.000 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

Tgt Ion:	43	Resp:	956
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.8	34.2#

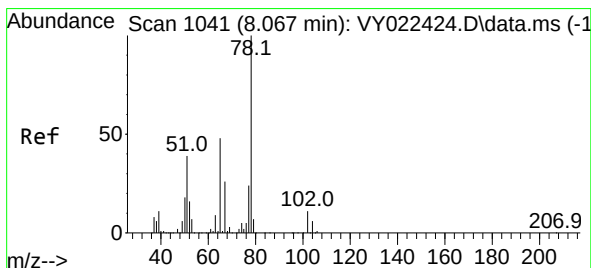
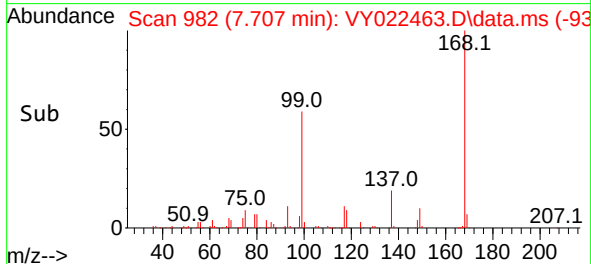
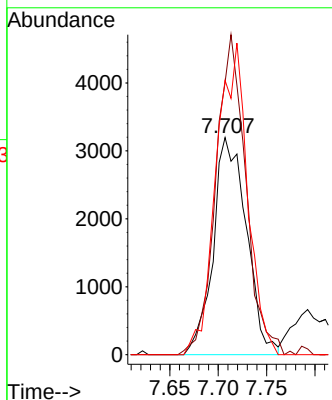
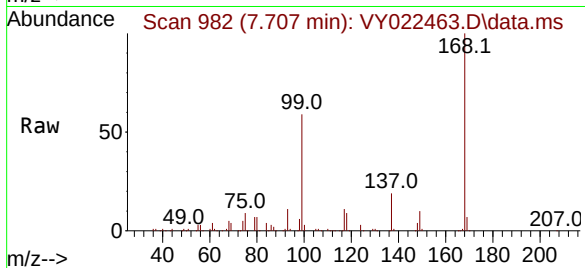




#31
Cyclohexane
Concen: 1.353 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

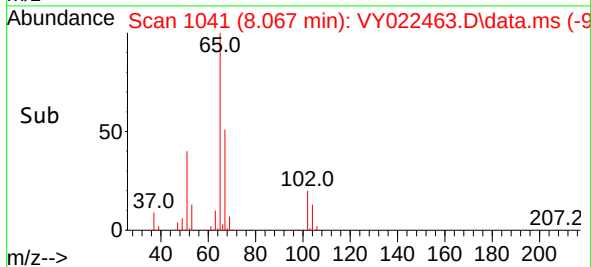
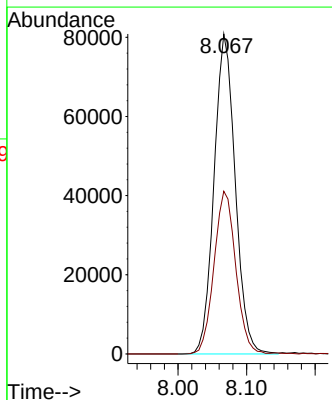
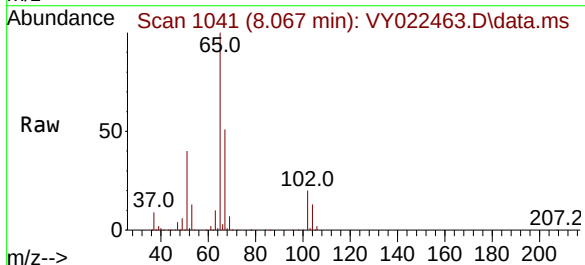
Instrument :
MSVOA_Y
ClientSampleId :
TP-48

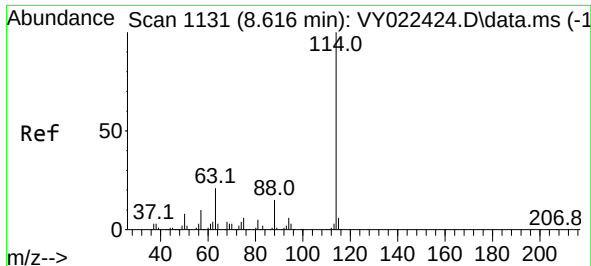
Tgt Ion: 56 Resp: 7634
Ion Ratio Lower Upper
56 100
69 125.3 24.6 36.8#
84 126.2 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 59.065 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

Tgt Ion: 65 Resp: 173294
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.4

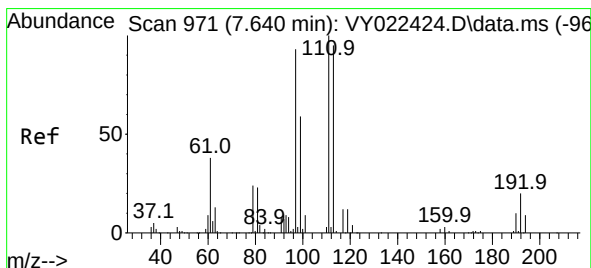
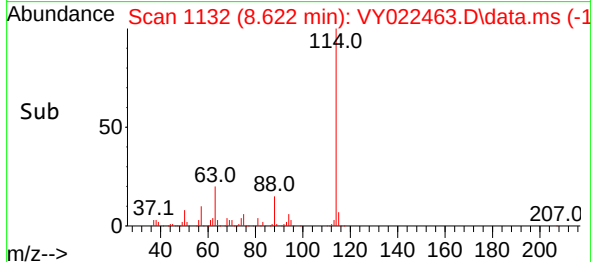
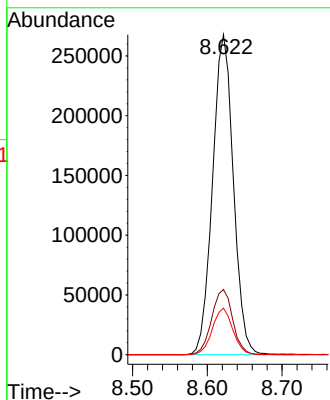
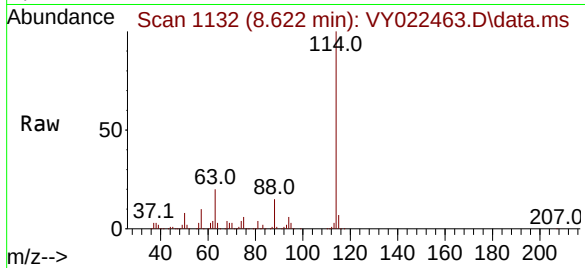




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

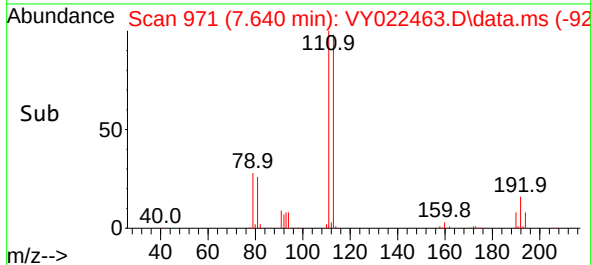
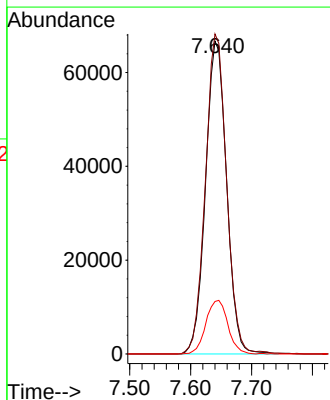
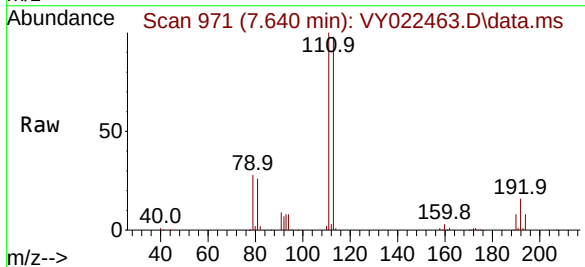
Instrument :
MSVOA_Y
ClientSampleId :
TP-48

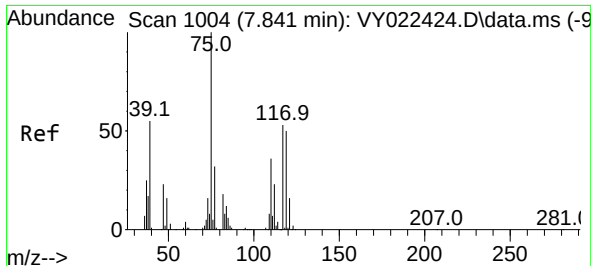
Tgt Ion:114 Resp: 518246
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 14.6 0.0 29.4



#35
Dibromofluoromethane
Concen: 52.725 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

Tgt Ion:113 Resp: 160020
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 17.9 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.944 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY022463.D

Acq: 29 May 2025 13:36

Instrument :

MSVOA_Y

ClientSampleId :

TP-48

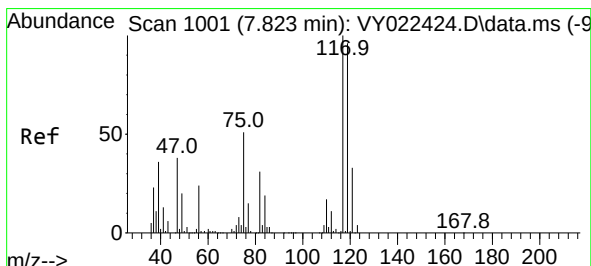
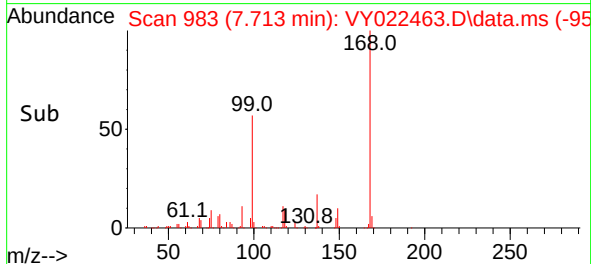
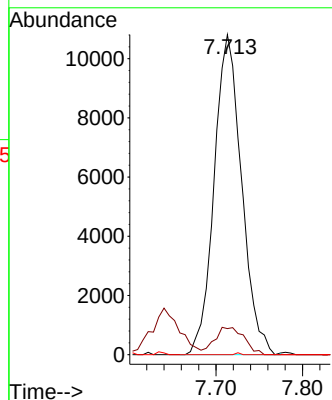
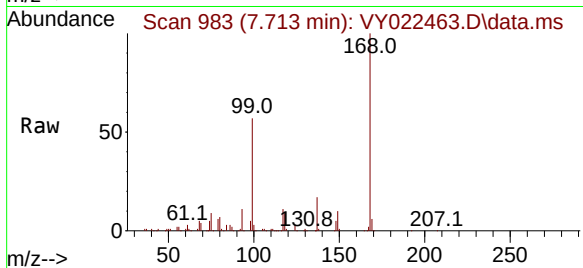
Tgt Ion: 75 Resp: 23812

Ion Ratio Lower Upper

75 100

110 9.1 17.1 51.2#

77 0.1 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.711 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY022463.D

Acq: 29 May 2025 13:36

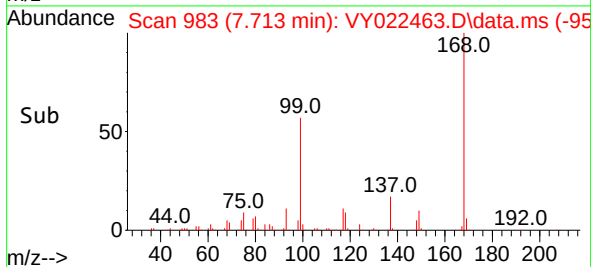
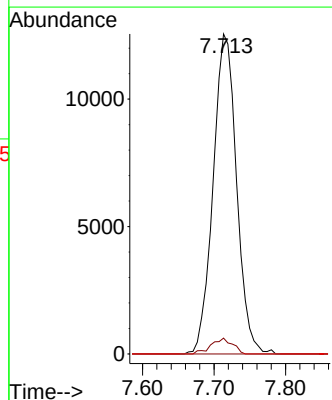
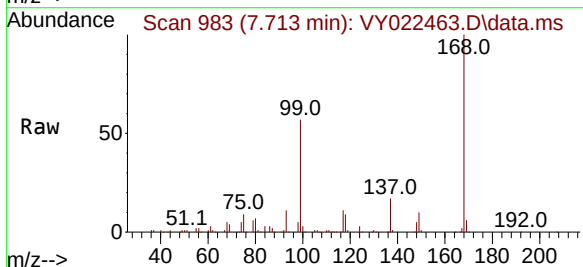
Tgt Ion: 117 Resp: 28652

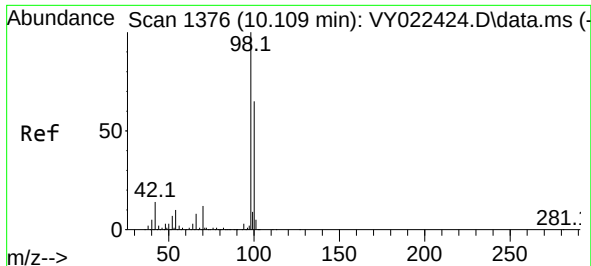
Ion Ratio Lower Upper

117 100

119 4.9 76.3 114.5#

121 0.0 26.1 39.1#

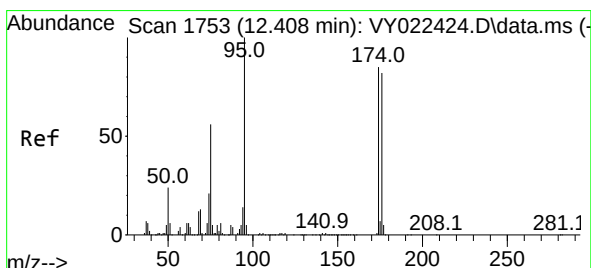
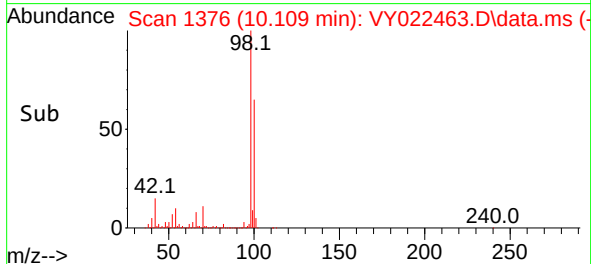
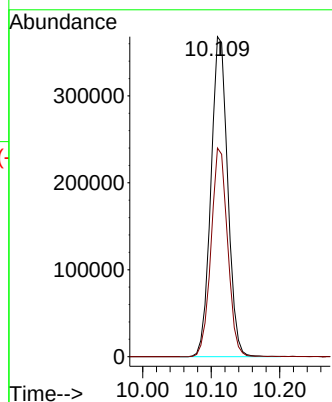
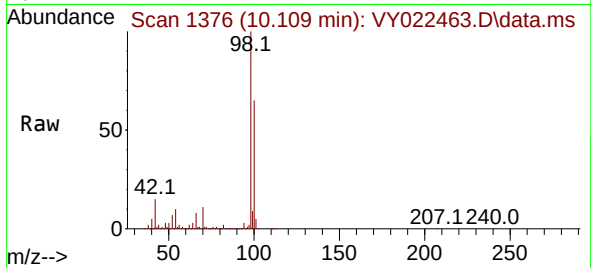




#50
Toluene-d8
Concen: 50.523 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

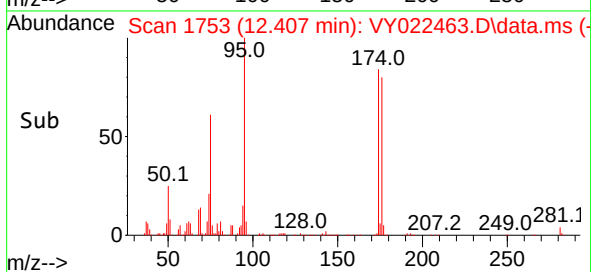
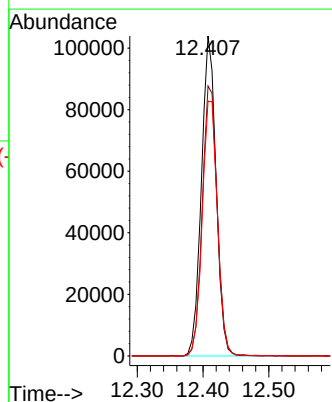
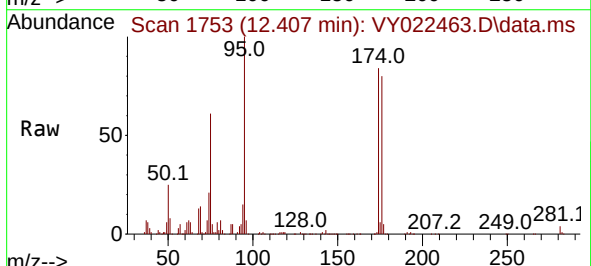
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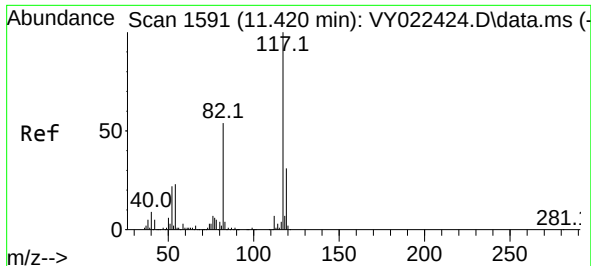
Tgt Ion: 98 Resp: 625091
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 43.002 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

Tgt Ion: 95 Resp: 160933
Ion Ratio Lower Upper
95 100
174 86.1 0.0 171.6
176 82.6 0.0 164.6

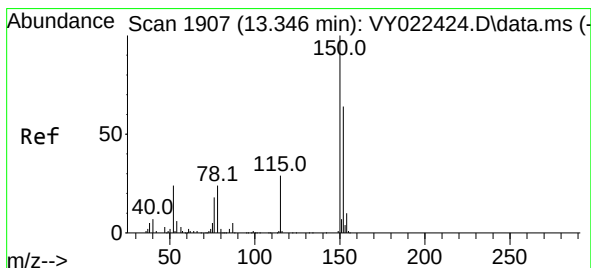
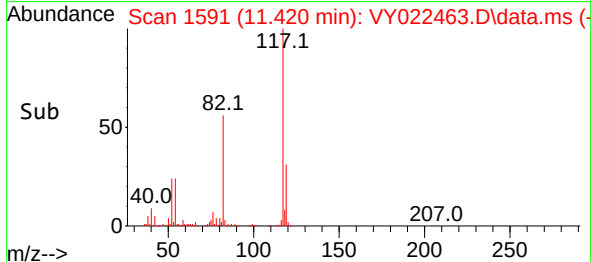
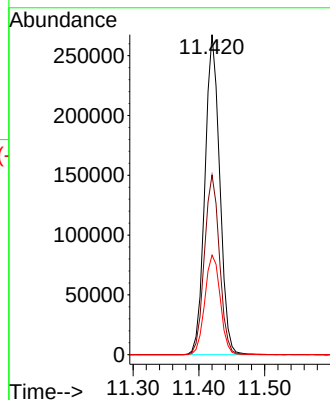
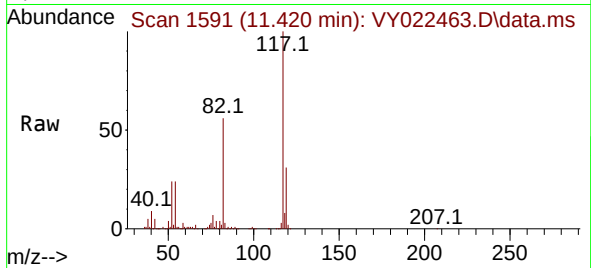




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

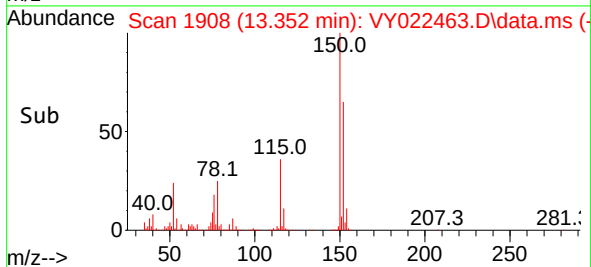
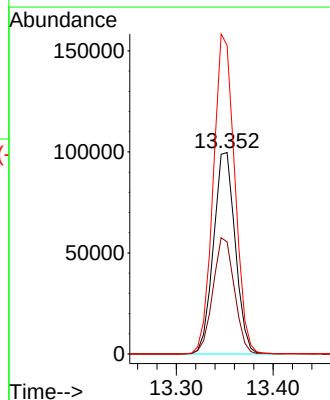
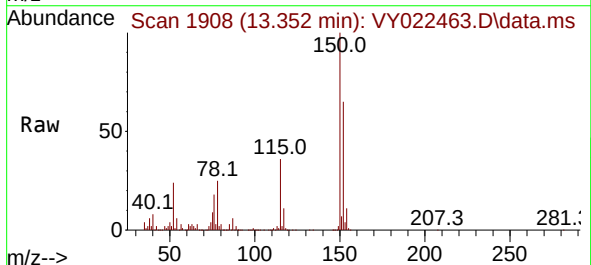
Instrument :
MSVOA_Y
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TP-48

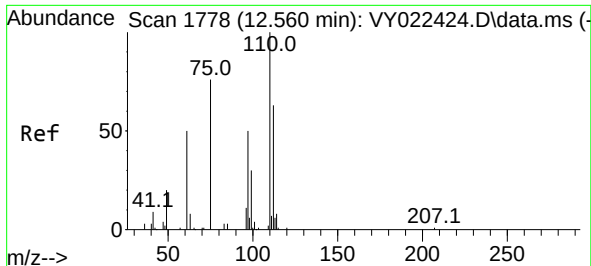
Tgt Ion:117 Resp: 419041
Ion Ratio Lower Upper
117 100
82 56.1 43.3 64.9
119 31.1 24.5 36.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

Tgt Ion:152 Resp: 155769
Ion Ratio Lower Upper
152 100
115 57.2 28.4 85.3
150 156.7 0.0 345.8

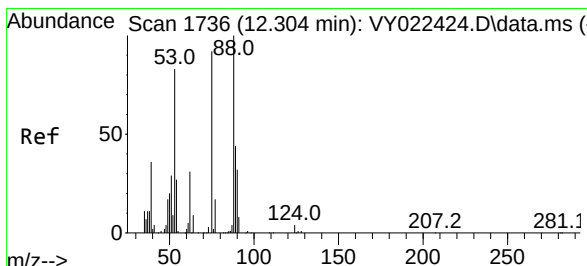
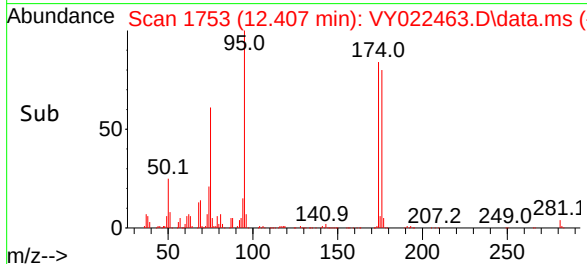
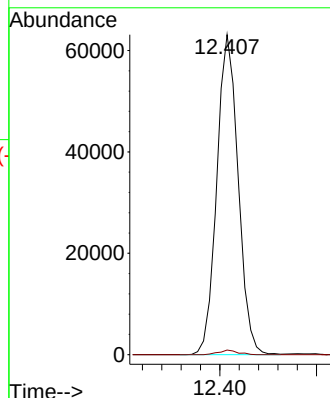
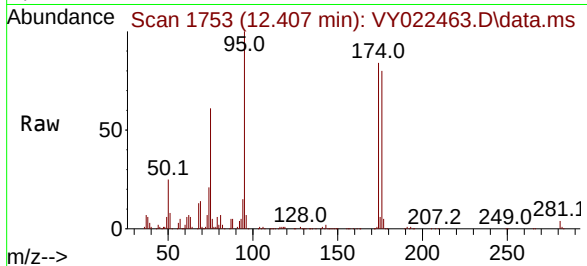




#76
1,2,3-Trichloropropane
Concen: 61.939 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

Instrument :
MSVOA_Y
ClientSampleId :
TP-48

Tgt Ion: 75 Resp: 96643
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 140.073 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

Tgt Ion: 75 Resp: 96643
Ion Ratio Lower Upper
75 100
53 0.0 75.1 112.7#
89 0.0 37.4 56.0#

