

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022467.D
 Acq On : 29 May 2025 15:09
 Operator : SY/MD
 Sample : Q2150-08
 Misc : 5.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-52

Quant Time: May 30 05:35:51 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)

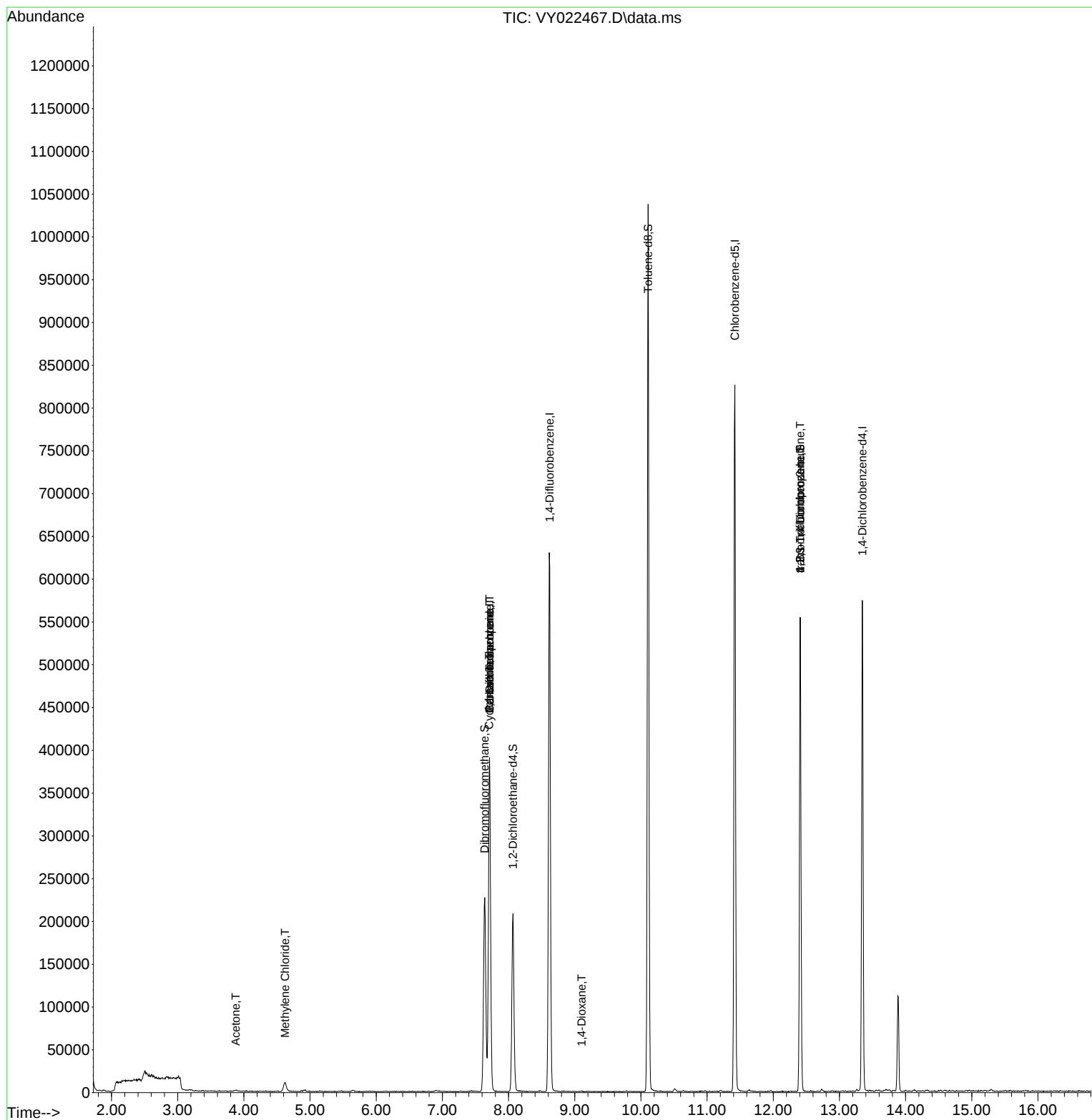
Internal Standards						
1) Pentafluorobenzene	7.713	168	286667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	522350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	404746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	132959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	156210	51.734	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.460%			
35) Dibromofluoromethane	7.640	113	156902	51.291	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.580%			
50) Toluene-d8	10.109	98	623120	49.968	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.940%			
62) 4-Bromofluorobenzene	12.407	95	146524	38.844	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 77.680%			
Target Compounds						Qvalue
16) Acetone	3.878	43	2718	5.478	ug/l	91
20) Methylene Chloride	4.622	84	7029	2.006	ug/l #	80
31) Cyclohexane	7.707	56	8072	1.390	ug/l #	15
36) 1,1-Dichloropropene	7.713	75	25303	5.213	ug/l #	49
38) Carbon Tetrachloride	7.713	117	29476	5.829	ug/l #	15
49) 1,4-Dioxane	9.103	88	21	1.003	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	87026	65.345	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	87026	147.774	ug/l #	12

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

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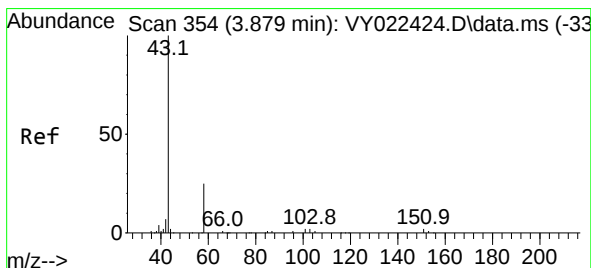
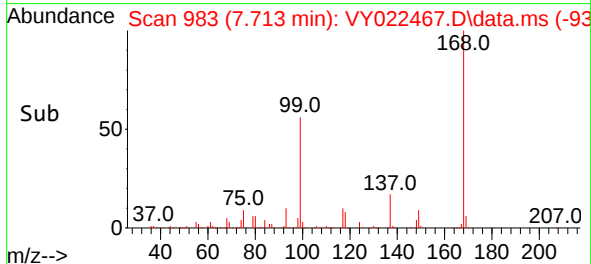
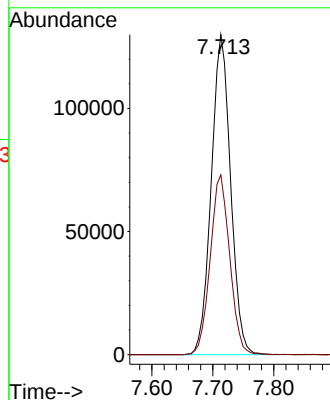
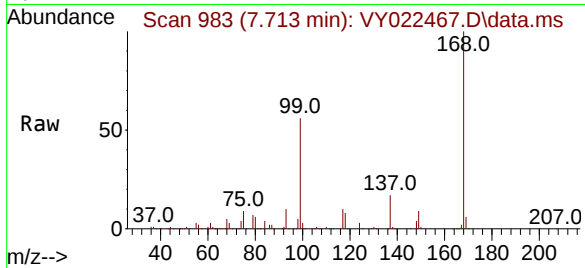




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

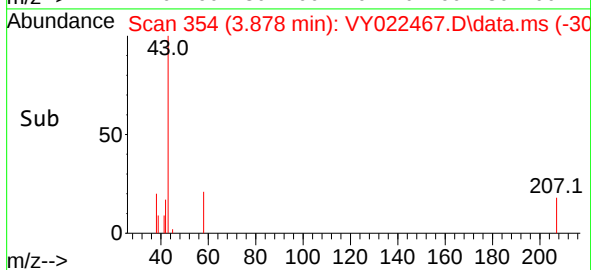
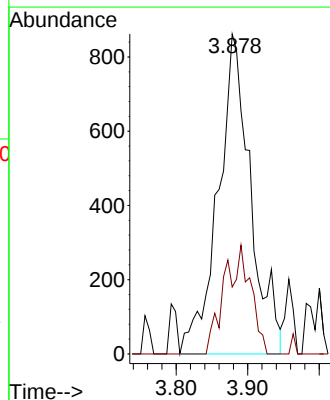
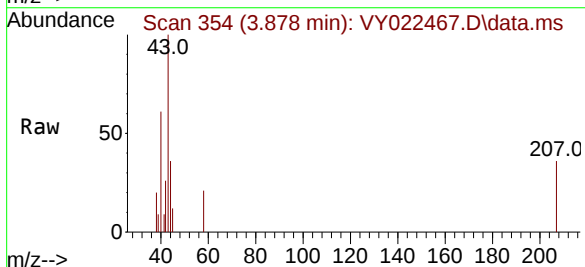
Instrument :
MSVOA_Y
ClientSampleId :
TP-52

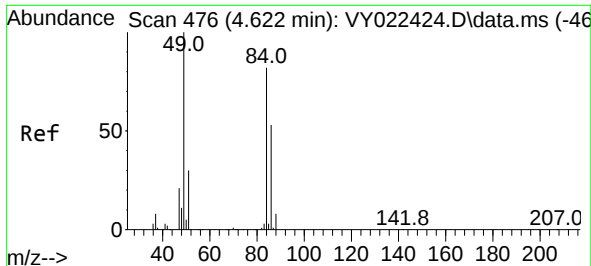
Tgt Ion:168 Resp: 286667
Ion Ratio Lower Upper
168 100
99 56.2 44.7 67.1



#16
Acetone
Concen: 5.478 ug/l
RT: 3.878 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

Tgt Ion: 43 Resp: 2718
Ion Ratio Lower Upper
43 100
58 20.9 20.6 30.8

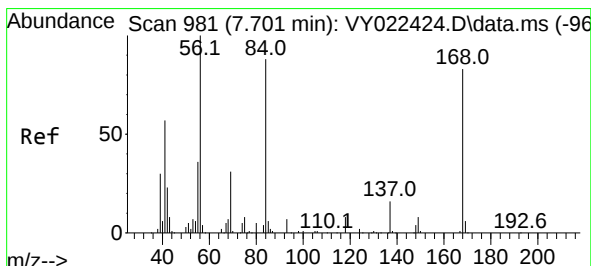
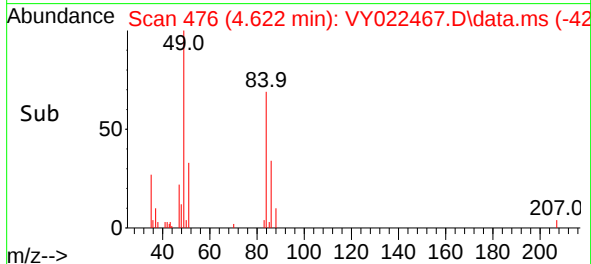
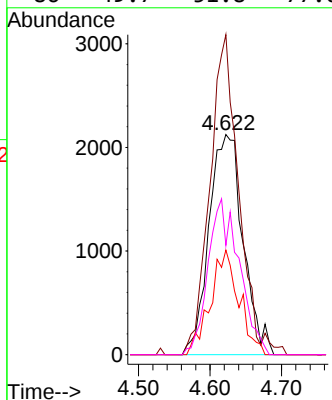
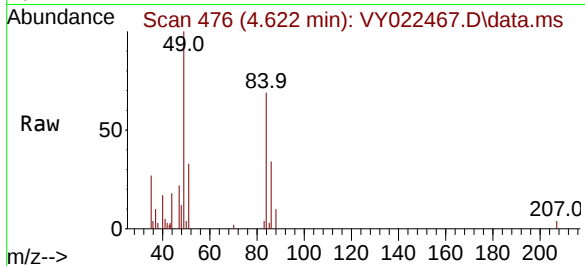




#20
Methylene Chloride
Concen: 2.006 ug/l
RT: 4.622 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

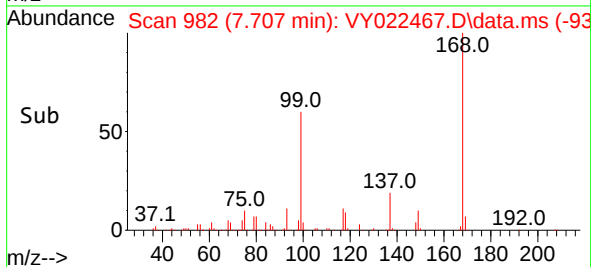
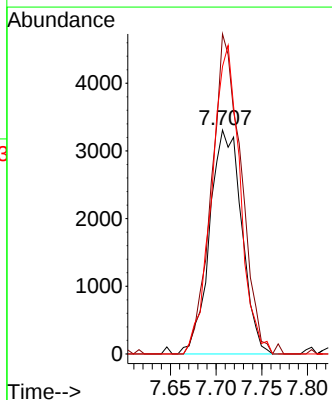
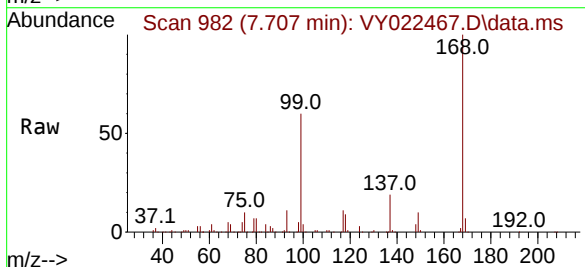
Instrument :
MSVOA_Y
ClientSampleId :
TP-52

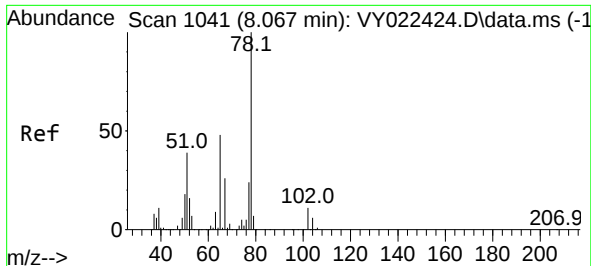
Tgt Ion:	84	Resp:	7029
Ion	Ratio	Lower	Upper
84	100		
49	145.4	97.8	146.8
51	47.5	29.5	44.3#
86	49.7	51.8	77.6#



#31
Cyclohexane
Concen: 1.390 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

Tgt Ion:	56	Resp:	8072
Ion	Ratio	Lower	Upper
56	100		
69	143.0	24.6	36.8#
84	128.4	70.4	105.6#





#33

1,2-Dichloroethane-d4

Concen: 51.734 ug/l

RT: 8.067 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022467.D

Acq: 29 May 2025 15:09

Instrument :

MSVOA_Y

ClientSampleId :

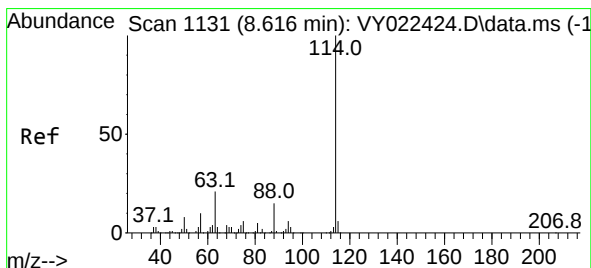
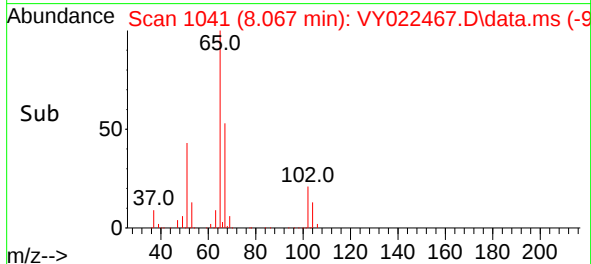
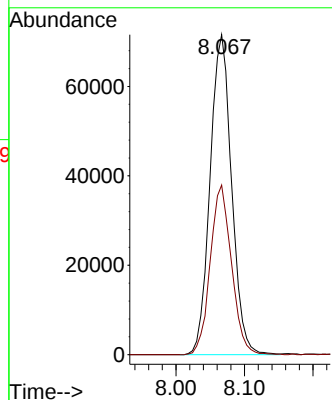
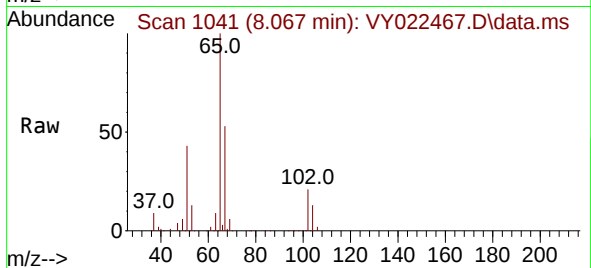
TP-52

Tgt Ion: 65 Resp: 156210

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022467.D

Acq: 29 May 2025 15:09

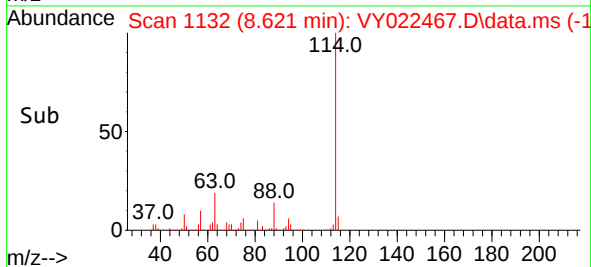
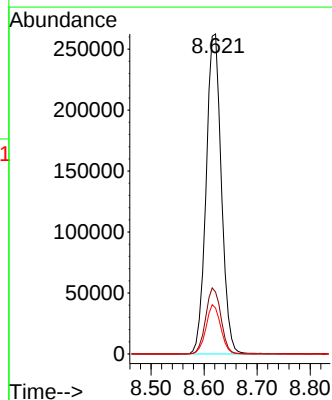
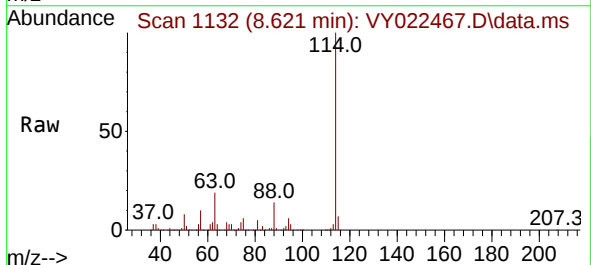
Tgt Ion: 114 Resp: 522350

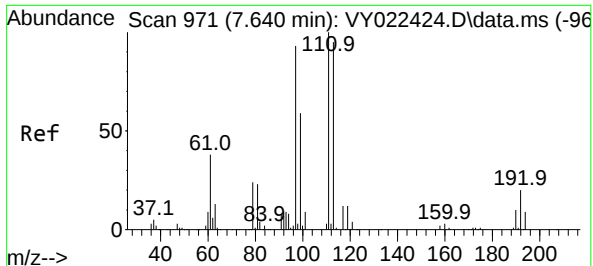
Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.6

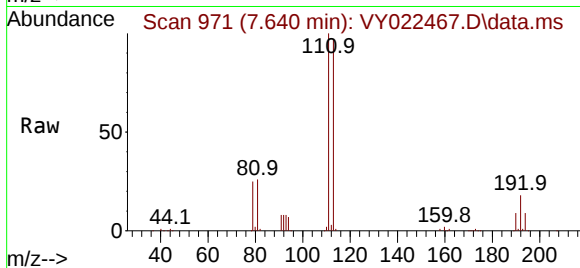
88 14.3 0.0 29.4



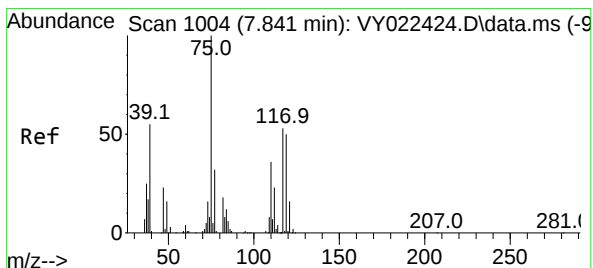
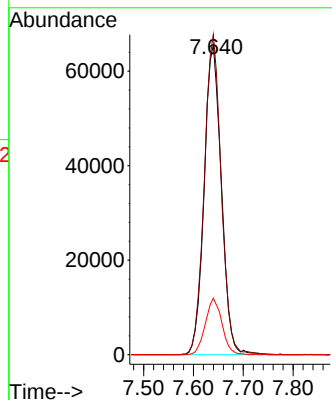
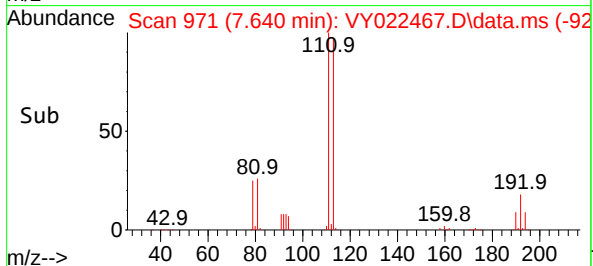


#35
Dibromofluoromethane
Concen: 51.291 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

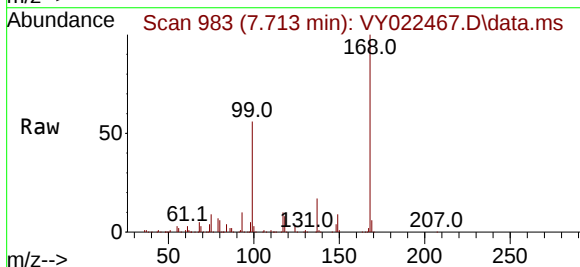
Instrument :
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ClientSampleId :
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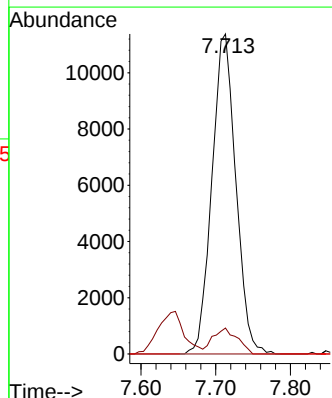
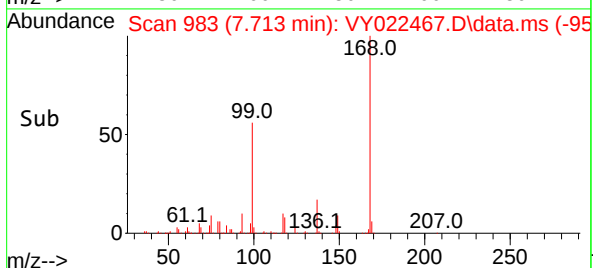
Tgt Ion:113 Resp: 156902
Ion Ratio Lower Upper
113 100
111 102.4 82.4 123.6
192 17.6 15.2 22.8

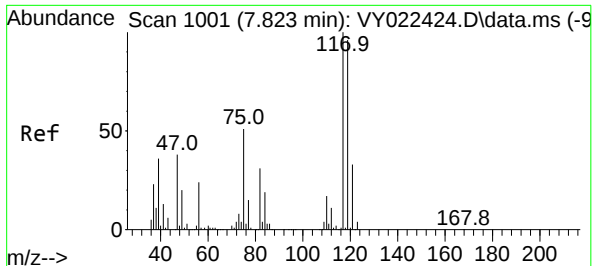


#36
1,1-Dichloropropene
Concen: 5.213 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09



Tgt Ion: 75 Resp: 25303
Ion Ratio Lower Upper
75 100
110 8.2 17.1 51.2#
77 0.0 25.1 37.7#

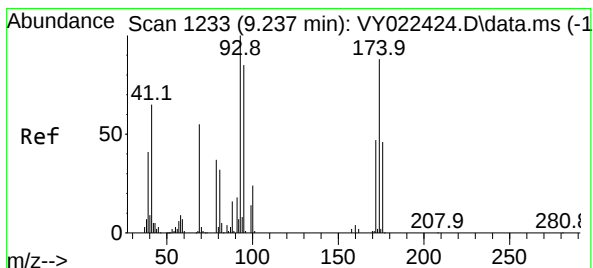
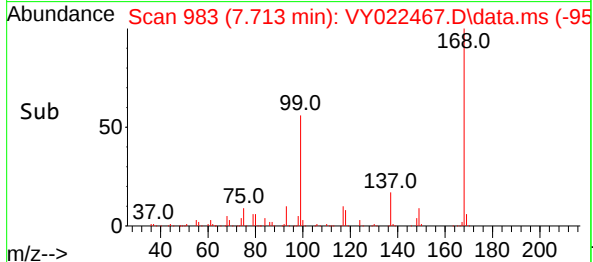
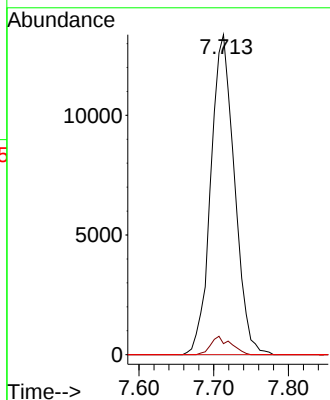
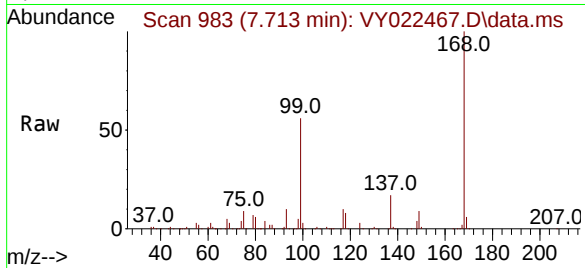




#38
Carbon Tetrachloride
Concen: 5.829 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

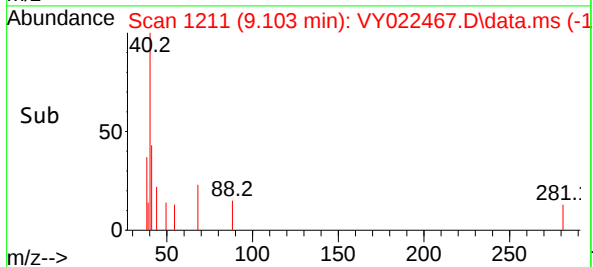
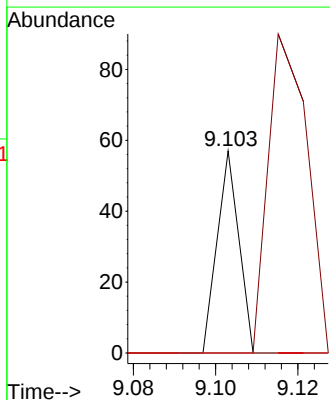
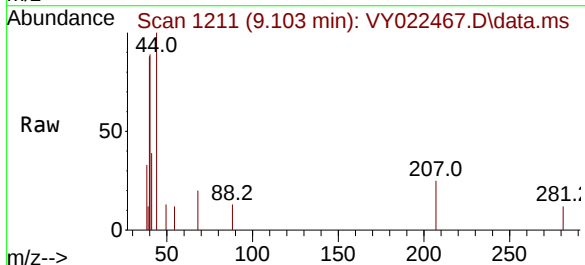
Instrument :
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ClientSampleId :
TP-52

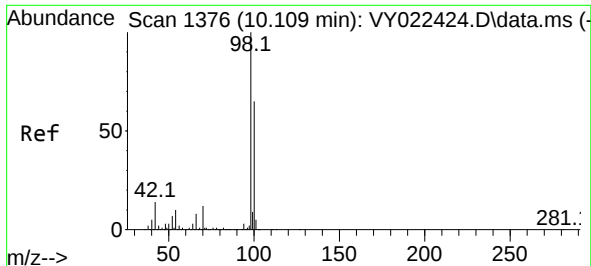
Tgt Ion:117 Resp: 29476
Ion Ratio Lower Upper
117 100
119 3.5 76.3 114.5#
121 0.0 26.1 39.1#



#49
1,4-Dioxane
Concen: 1.003 ug/l
RT: 9.103 min Scan# 1211
Delta R.T. -0.134 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 281.0 26.9 40.3#
58 0.0 55.8 83.6#

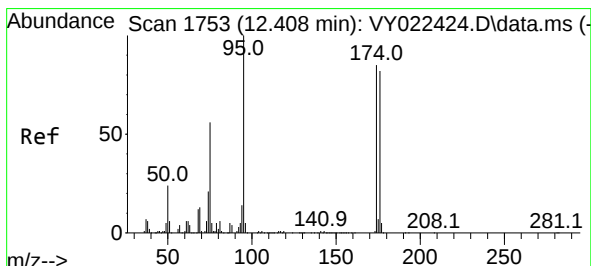
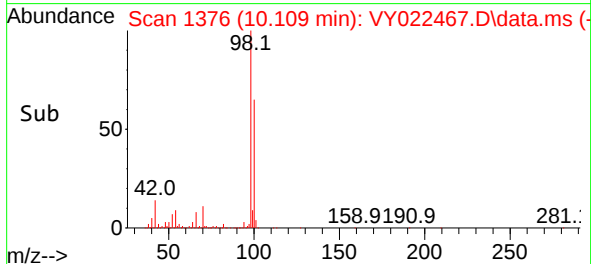
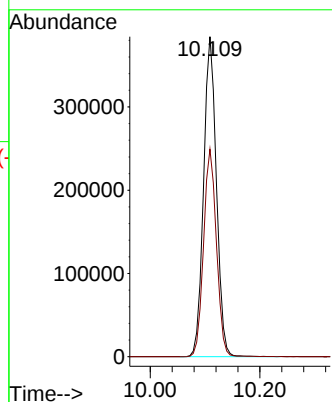
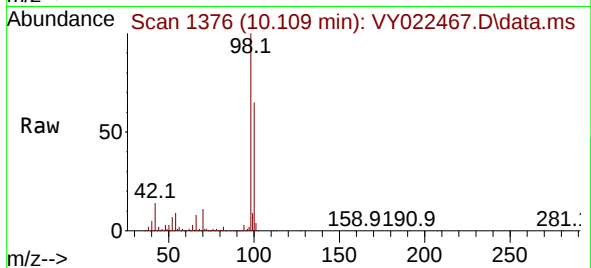




#50
Toluene-d8
Concen: 49.968 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

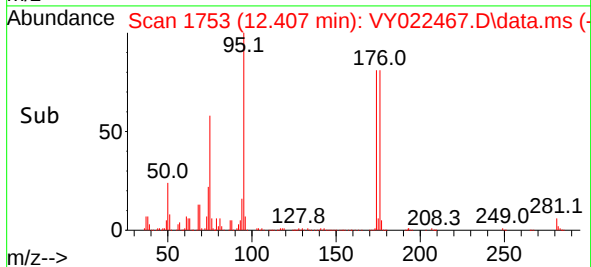
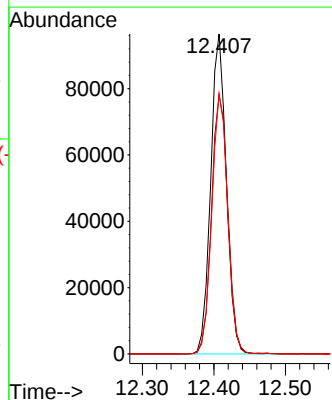
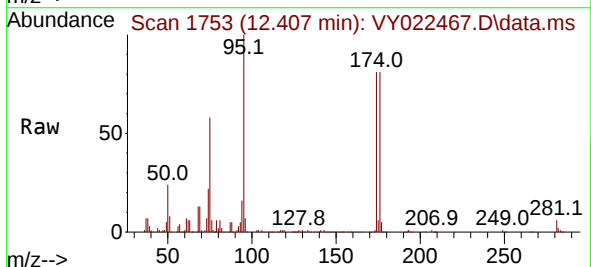
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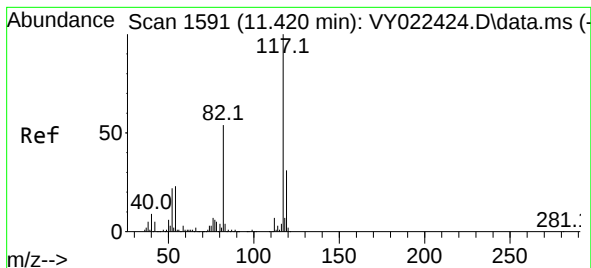
Tgt Ion: 98 Resp: 623120
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 38.844 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

Tgt Ion: 95 Resp: 146524
Ion Ratio Lower Upper
95 100
174 84.7 0.0 171.6
176 82.3 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: VY022467.D

Acq: 29 May 2025 15:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-52

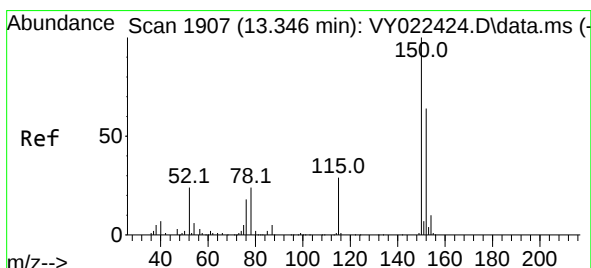
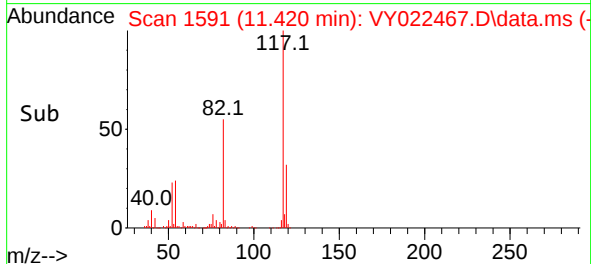
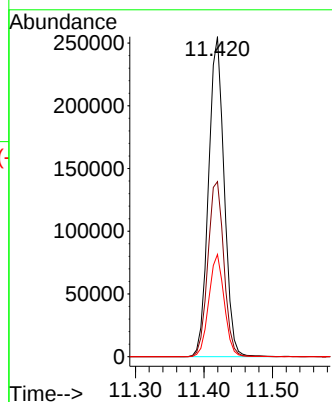
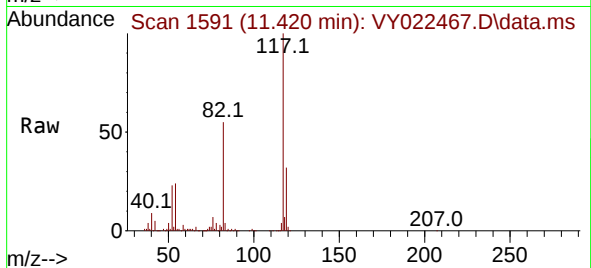
Tgt Ion:117 Resp: 404746

Ion Ratio Lower Upper

117 100

82 54.7 43.3 64.9

119 32.0 24.5 36.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022467.D

Acq: 29 May 2025 15:09

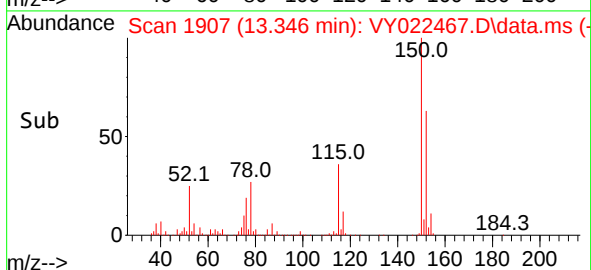
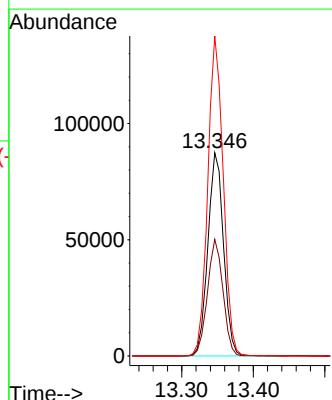
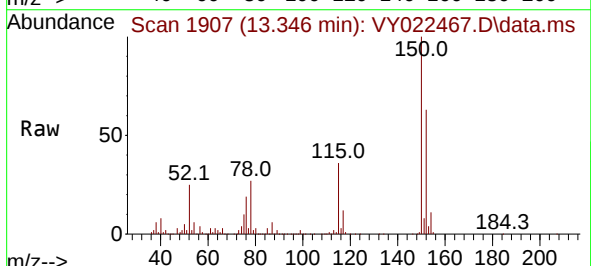
Tgt Ion:152 Resp: 132959

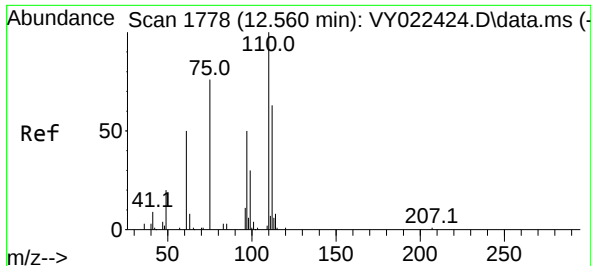
Ion Ratio Lower Upper

152 100

115 57.0 28.4 85.3

150 155.0 0.0 345.8

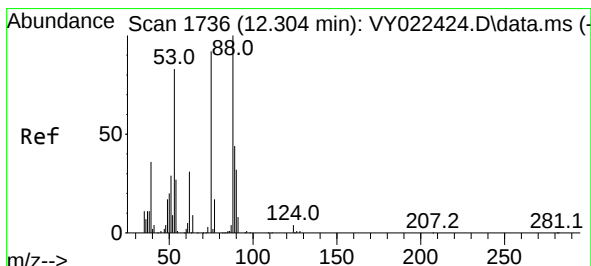
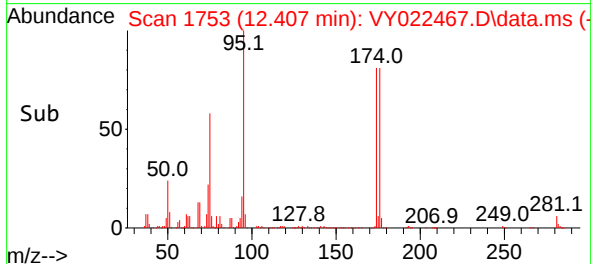
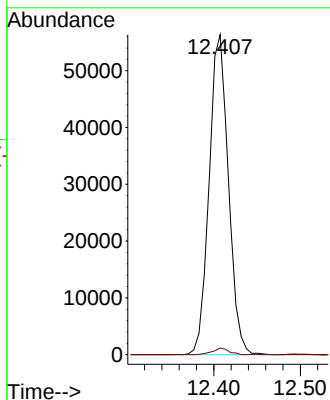
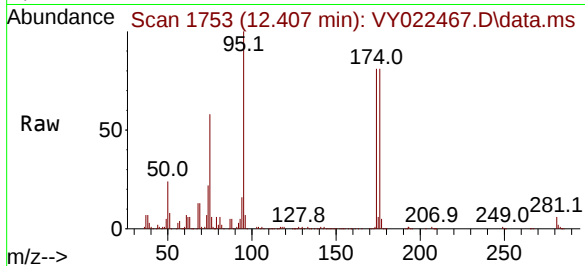




#76
1,2,3-Trichloropropane
Concen: 65.345 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.153 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

Instrument :
MSVOA_Y
ClientSampleId :
TP-52

Tgt Ion: 75 Resp: 87026
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 147.774 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.103 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

Tgt Ion: 75 Resp: 87026
Ion Ratio Lower Upper
75 100
53 0.1 75.1 112.7#
89 0.1 37.4 56.0#

