

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022533.D
 Acq On : 03 Jun 2025 19:19
 Operator : SY/MD
 Sample : Q2176-08
 Misc : 6.47g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-65

Quant Time: Jun 04 04:17:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

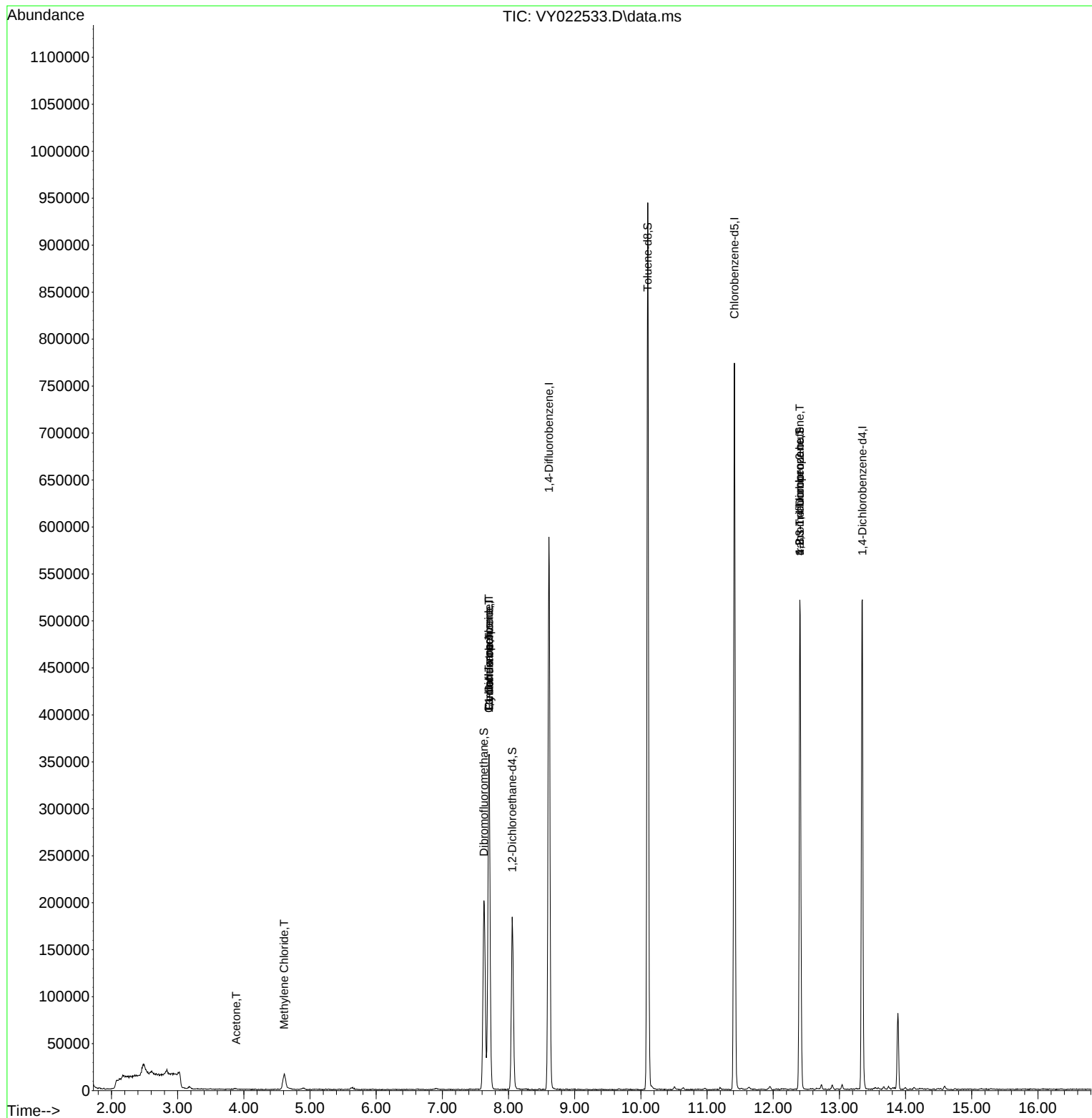
Internal Standards						
1) Pentafluorobenzene	7.707	168	268630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	484998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	368793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	123634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	133278	44.360	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.720%
35) Dibromofluoromethane	7.628	113	138744	47.928	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.860%
50) Toluene-d8	10.103	98	579788	49.567	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.140%
62) 4-Bromofluorobenzene	12.401	95	133019	38.168	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.340%
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	1438	2.357	ug/l #	69
20) Methylene Chloride	4.610	84	11104	3.204	ug/l	94
31) Cyclohexane	7.707	56	6905	1.196	ug/l #	34
36) 1,1-Dichloropropene	7.701	75	23774	5.060	ug/l #	50
38) Carbon Tetrachloride	7.701	117	27681	5.743	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	79474	56.188	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	79474	135.692	ug/l #	10

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

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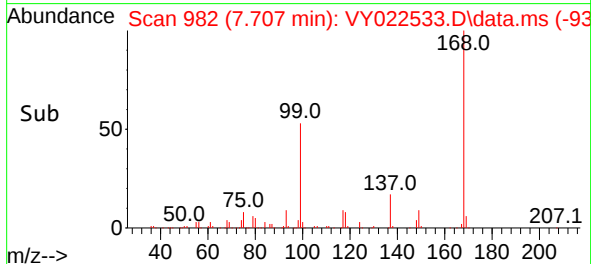
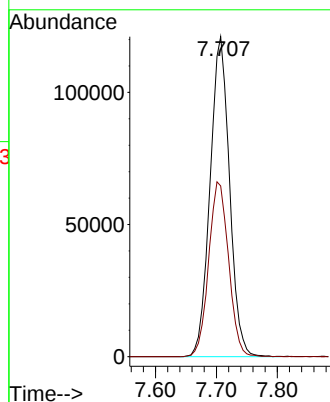
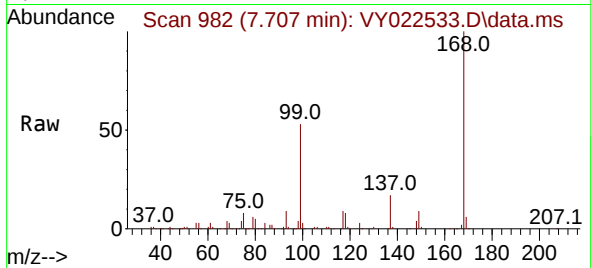




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

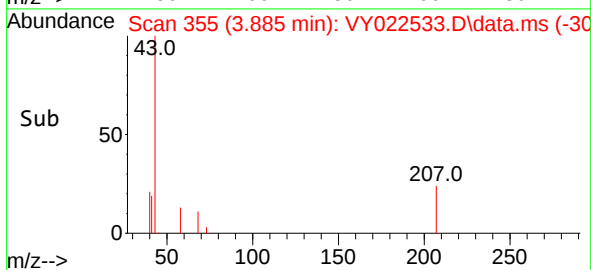
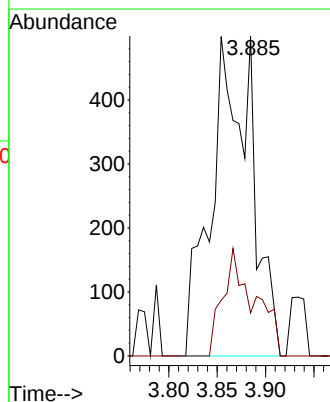
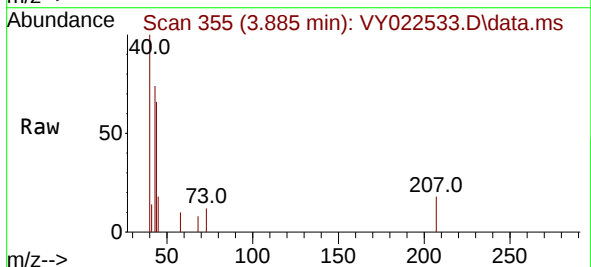
Instrument :
MSVOA_Y
ClientSampleId :
TP-65

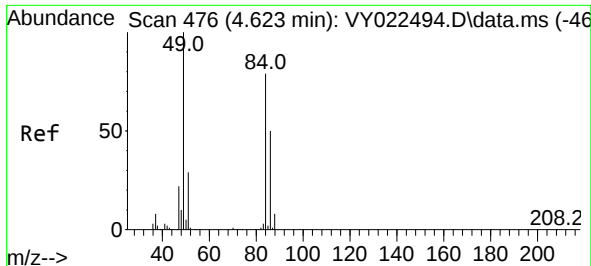
Tgt Ion:168 Resp: 268630
Ion Ratio Lower Upper
168 100
99 53.3 44.3 66.5



#16
Acetone
Concen: 2.357 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

Tgt Ion: 43 Resp: 1438
Ion Ratio Lower Upper
43 100
58 13.4 24.0 36.0#

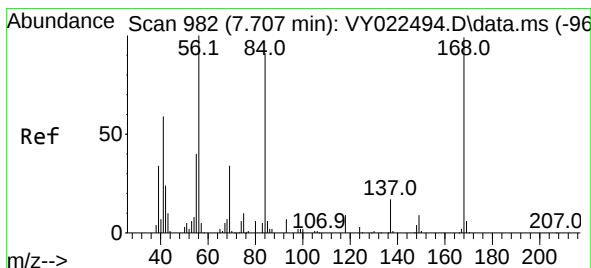
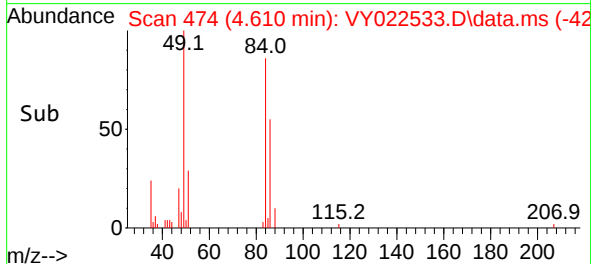
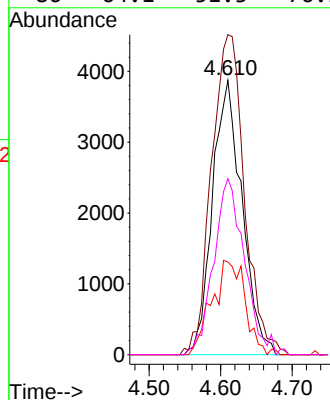
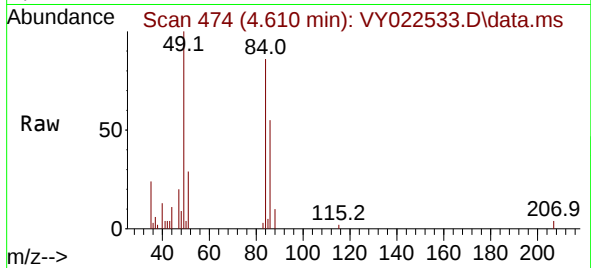




#20
Methylene Chloride
Concen: 3.204 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

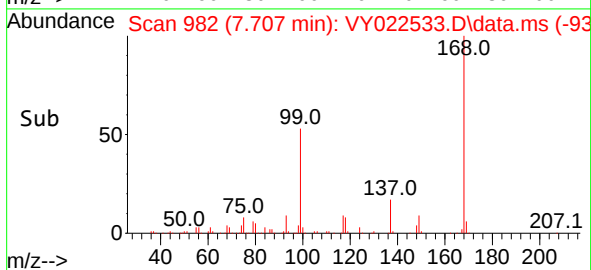
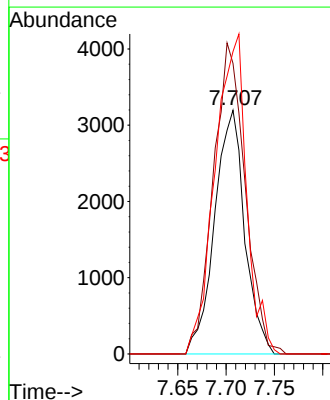
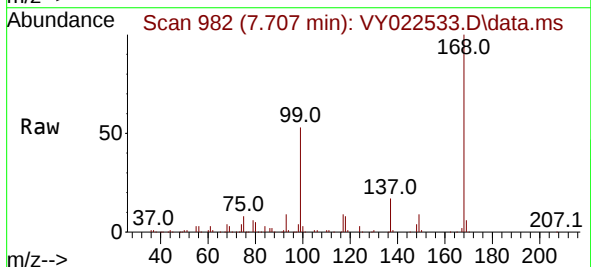
Instrument :
MSVOA_Y
ClientSampleId :
TP-65

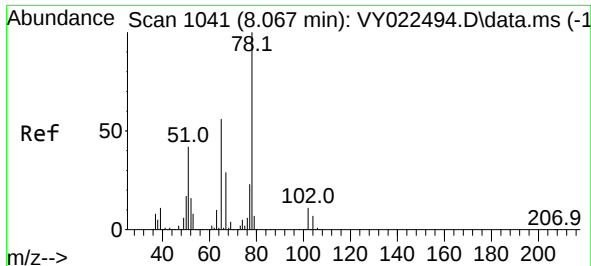
Tgt Ion:	84	Resp:	11104
Ion	Ratio	Lower	Upper
84	100		
49	116.7	101.9	152.9
51	33.8	29.8	44.8
86	64.1	51.3	76.9



#31
Cyclohexane
Concen: 1.196 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

Tgt Ion:	56	Resp:	6905
Ion	Ratio	Lower	Upper
56	100		
69	119.2	27.0	40.6#
84	124.1	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 44.360 ug/l

RT: 8.055 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY022533.D

Acq: 03 Jun 2025 19:19

Instrument :

MSVOA_Y

ClientSampleId :

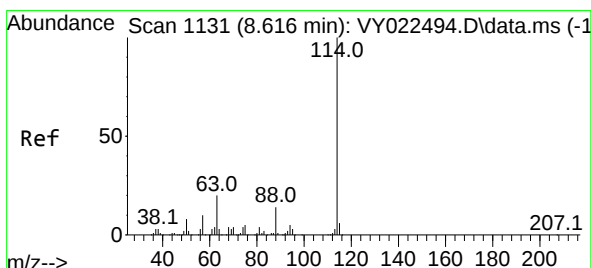
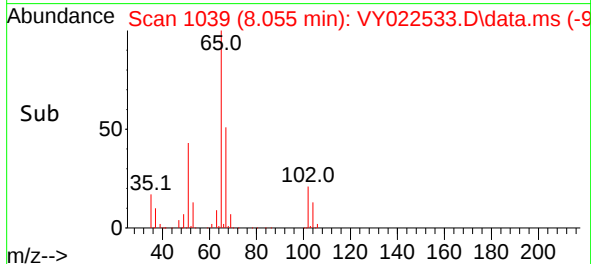
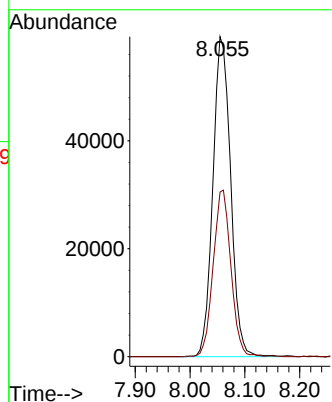
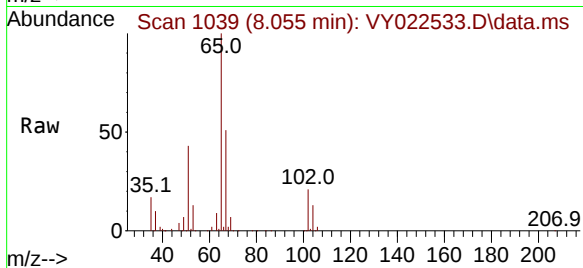
TP-65

Tgt Ion: 65 Resp: 133278

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022533.D

Acq: 03 Jun 2025 19:19

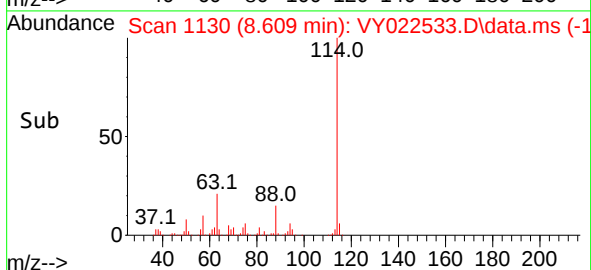
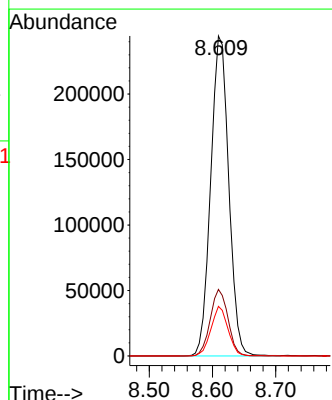
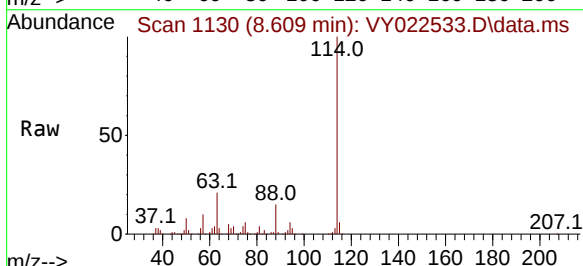
Tgt Ion: 114 Resp: 484998

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 15.5 0.0 27.8

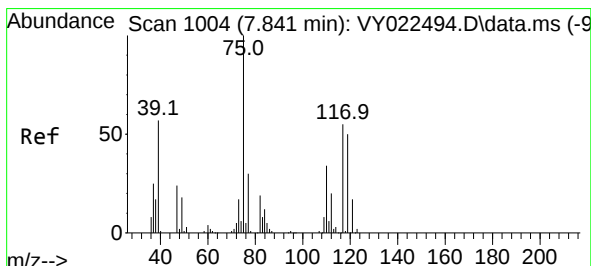
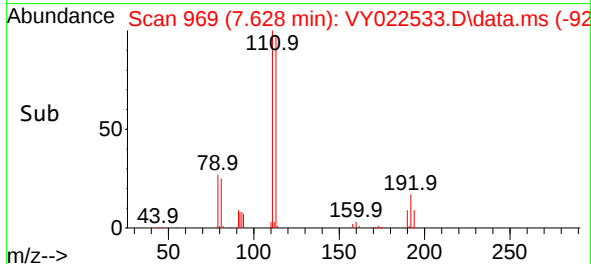
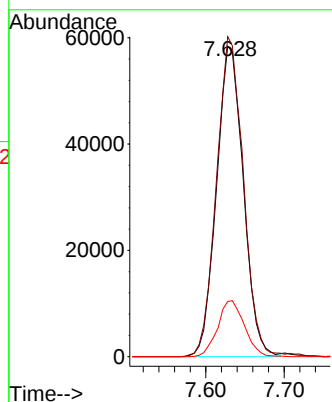
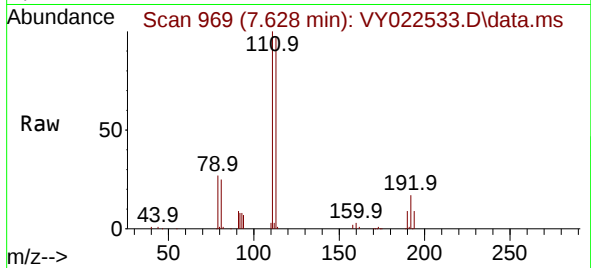




#35
Dibromofluoromethane
Concen: 47.928 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

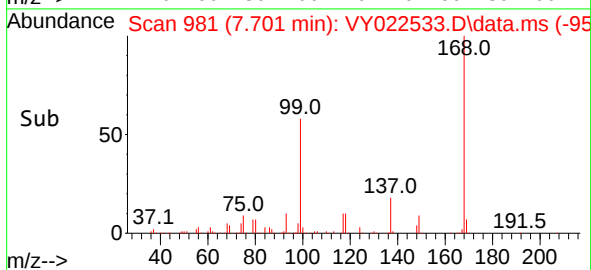
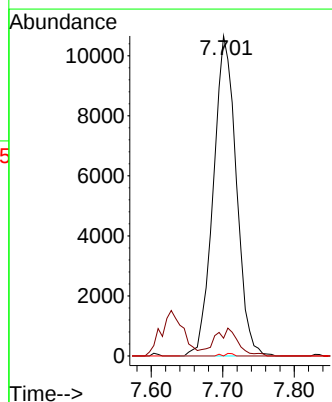
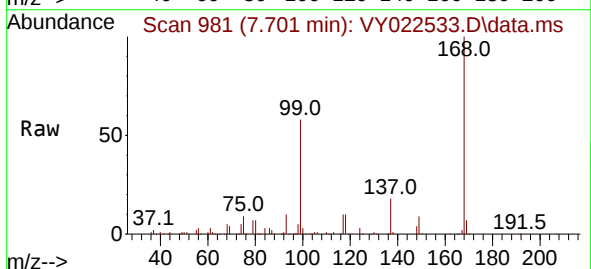
Instrument :
MSVOA_Y
ClientSampleId :
TP-65

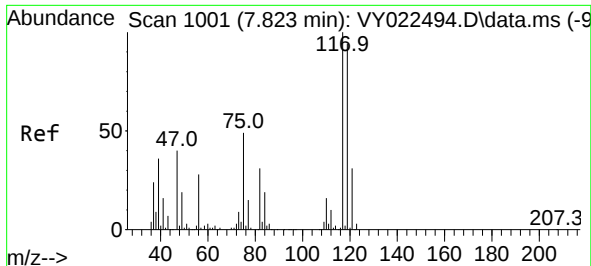
Tgt Ion:113 Resp: 138744
Ion Ratio Lower Upper
113 100
111 103.4 81.1 121.7
192 18.1 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.060 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

Tgt Ion: 75 Resp: 23774
Ion Ratio Lower Upper
75 100
110 8.7 16.9 50.7#
77 0.3 24.8 37.2#

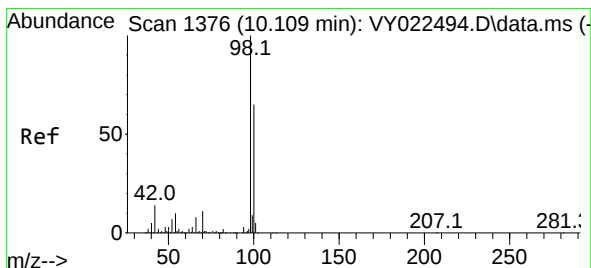
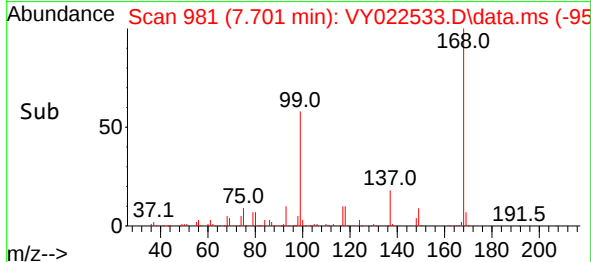
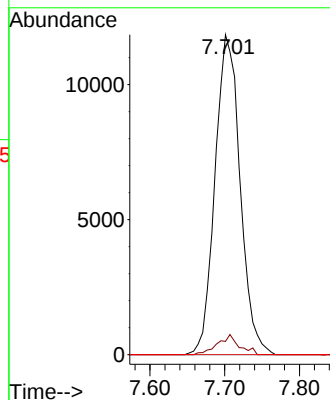
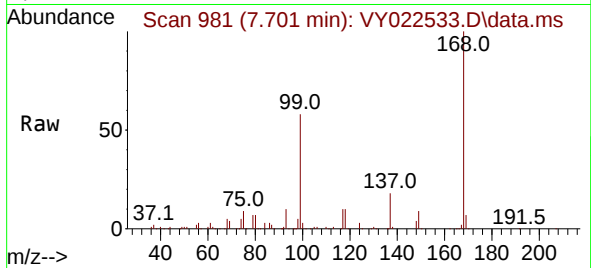




#38
Carbon Tetrachloride
Concen: 5.743 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

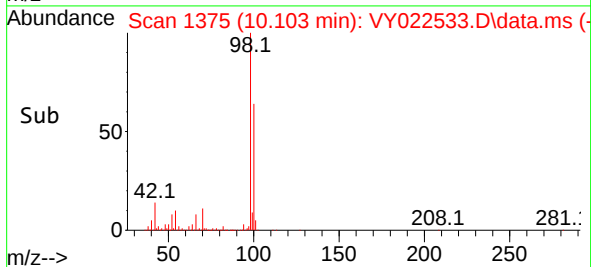
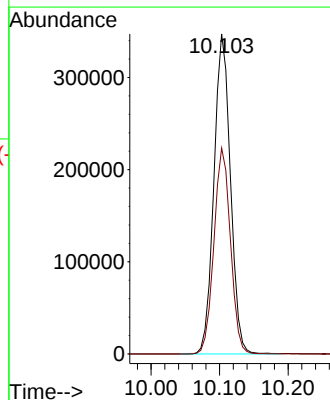
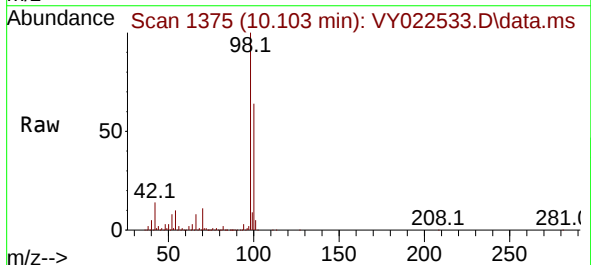
Instrument :
MSVOA_Y
ClientSampleId :
TP-65

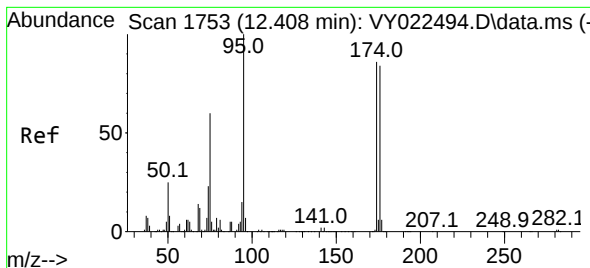
Tgt Ion:117 Resp: 27681
Ion Ratio Lower Upper
117 100
119 4.1 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.567 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

Tgt Ion: 98 Resp: 579788
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0

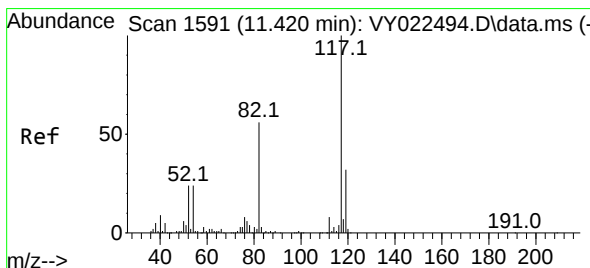
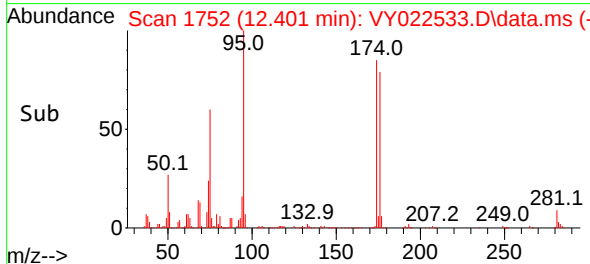
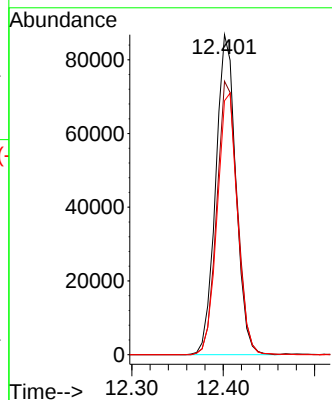
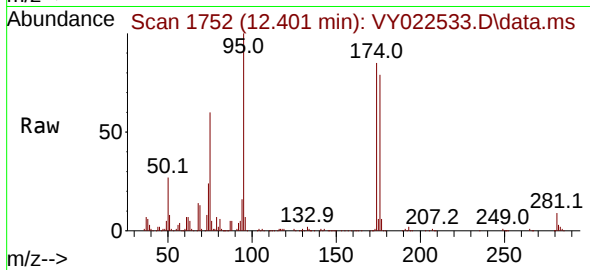




#62
4-Bromofluorobenzene
Concen: 38.168 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

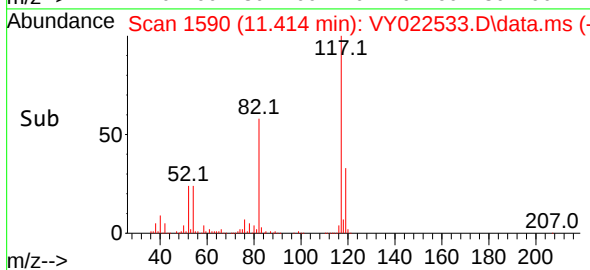
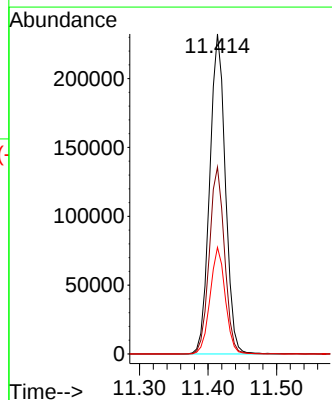
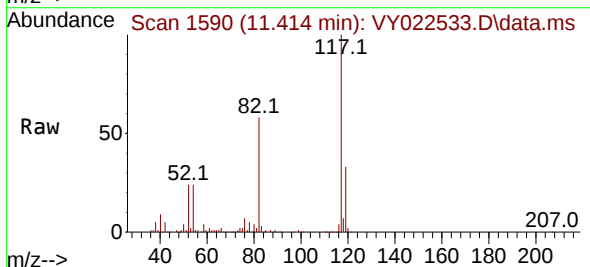
Instrument :
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TP-65

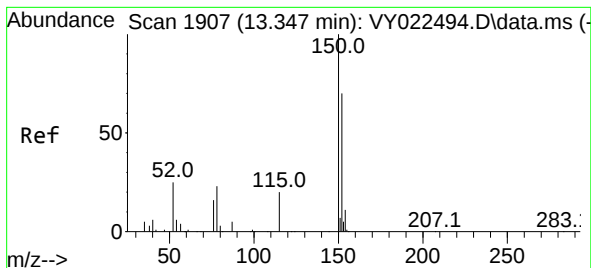
Tgt Ion: 95 Resp: 133019
Ion Ratio Lower Upper
95 100
174 87.1 0.0 170.0
176 82.6 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022533.D
Acq: 03 Jun 2025 19:19

Tgt Ion: 117 Resp: 368793
Ion Ratio Lower Upper
117 100
82 58.4 44.6 66.8
119 33.3 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022533.D

Acq: 03 Jun 2025 19:19

Instrument :

MSVOA_Y

ClientSampleId :

TP-65

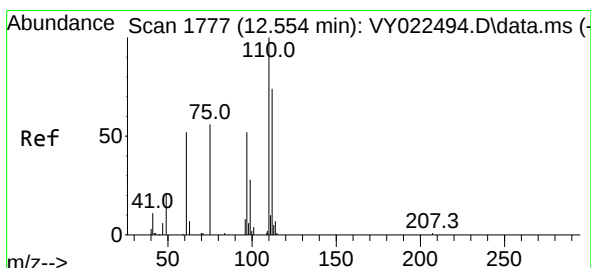
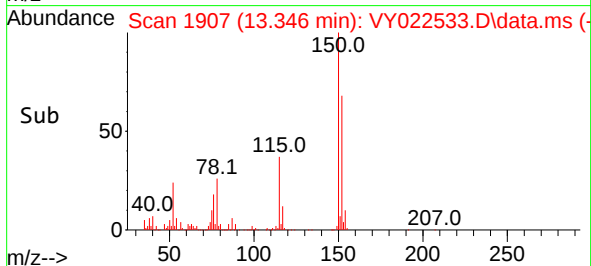
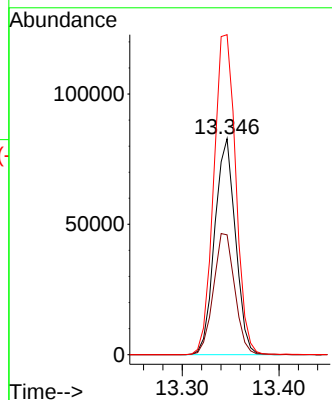
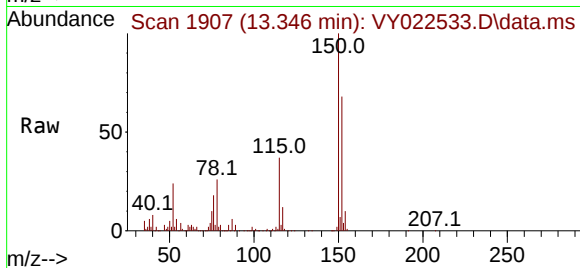
Tgt Ion:152 Resp: 123634

Ion Ratio Lower Upper

152 100

115 57.7 28.9 86.7

150 156.7 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 56.188 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022533.D

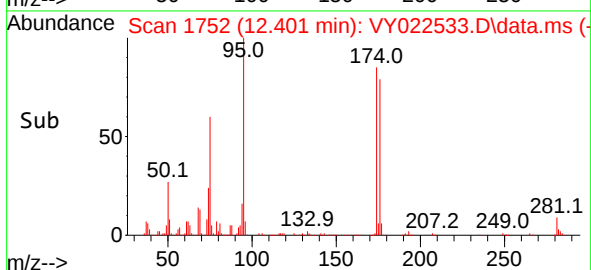
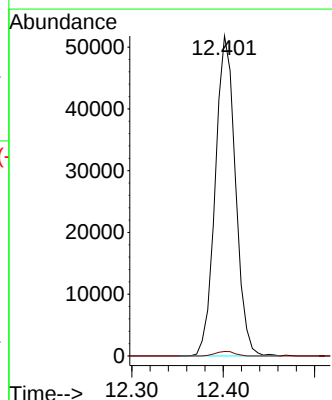
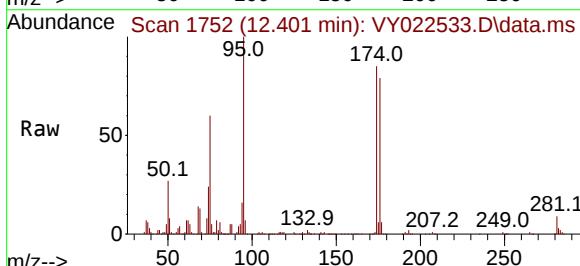
Acq: 03 Jun 2025 19:19

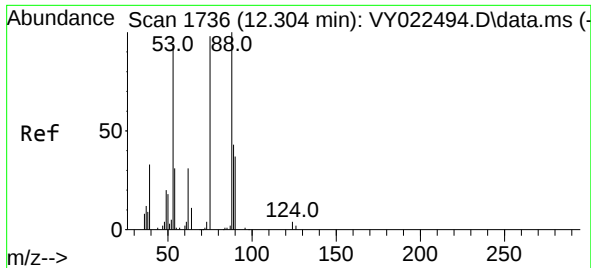
Tgt Ion: 75 Resp: 79474

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.692 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022533.D
 Acq: 03 Jun 2025 19:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-65

Tgt Ion: 75 Resp: 79474
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 35.7 53.5#

