

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
 Data File : VY022660.D
 Acq On : 11 Jun 2025 13:34
 Operator : SY/MD
 Sample : Q2280-03
 Misc : 4.32g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT-4643

Quant Time: Jun 12 05:07:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

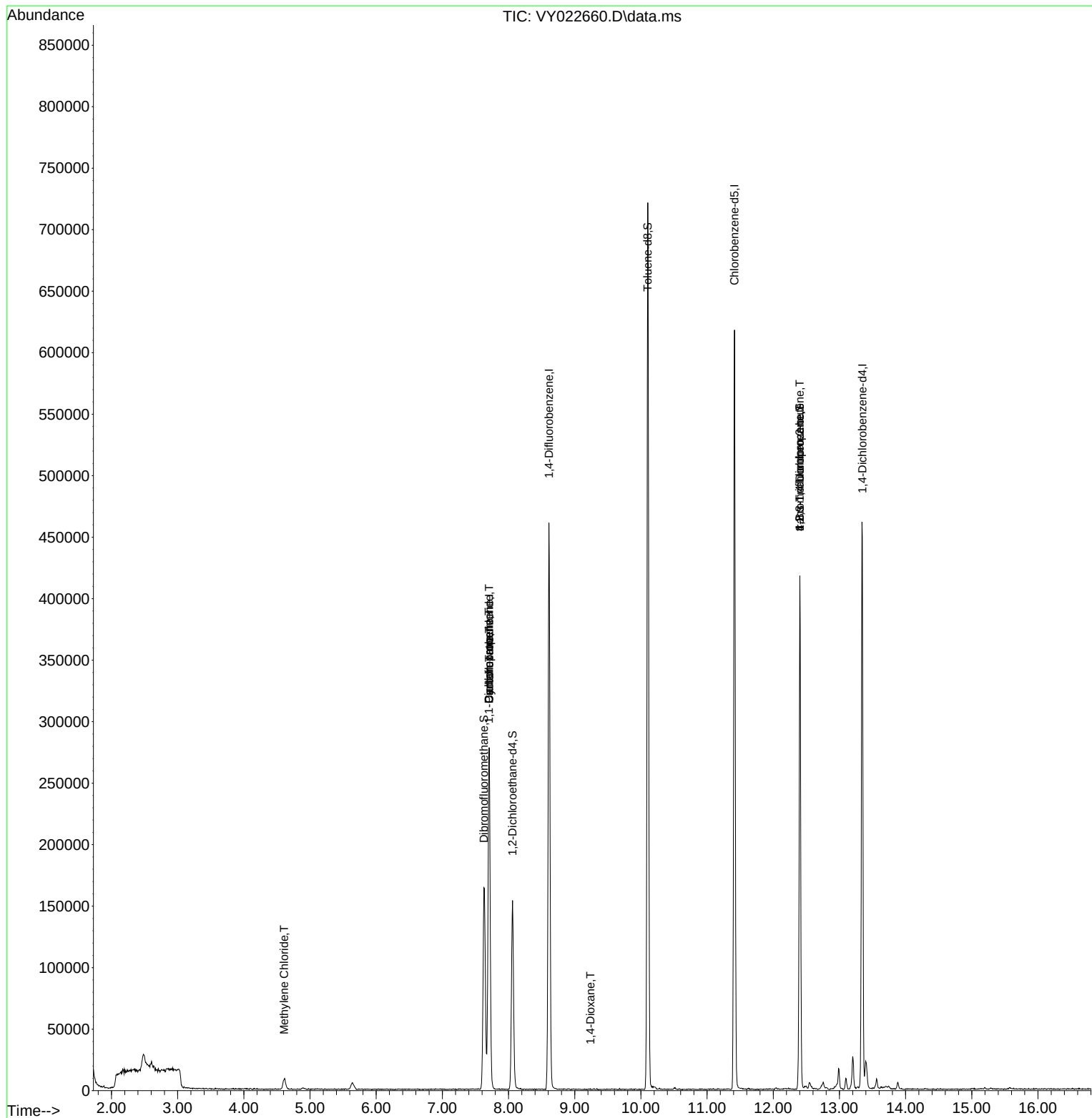
Internal Standards						
1) Pentafluorobenzene	7.707	168	204796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	374069	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	301641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	108988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112134	48.955	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.920%
35) Dibromofluoromethane	7.628	113	113367	50.775	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.540%
50) Toluene-d8	10.103	98	448478	49.711	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.420%
62) 4-Bromofluorobenzene	12.401	95	110490	41.105	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.200%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	5695	2.155	ug/l	85
31) Cyclohexane	7.707	56	5813	1.321	ug/l #	36
36) 1,1-Dichloropropene	7.701	75	18934	5.225	ug/l #	50
38) Carbon Tetrachloride	7.707	117	21847	5.877	ug/l #	16
49) 1,4-Dioxane	9.237	88	59	3.500	ug/l #	24
76) 1,2,3-Trichloropropane	12.401	75	64785	51.958	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	64785	125.476	ug/l #	11

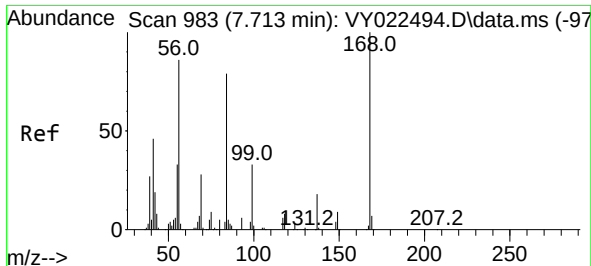
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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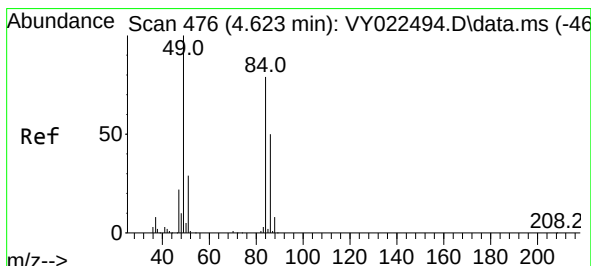
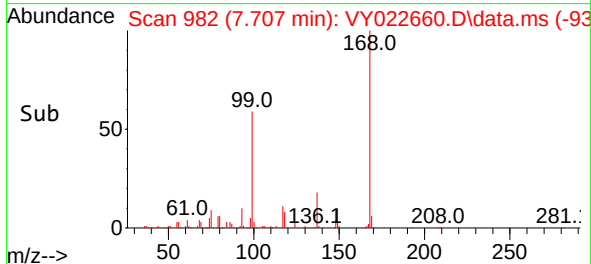
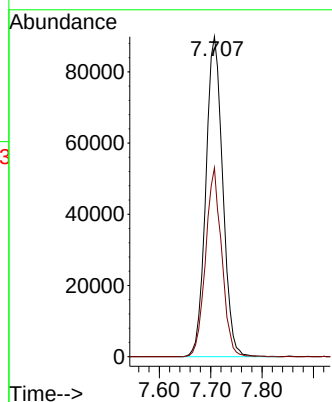
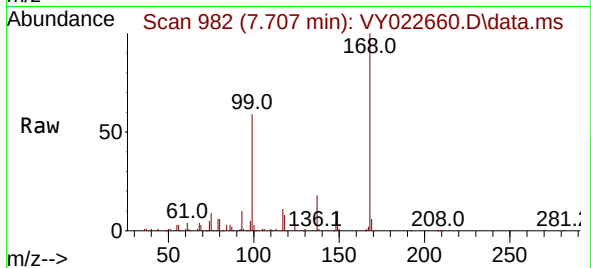




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022660.D
Acq: 11 Jun 2025 13:34

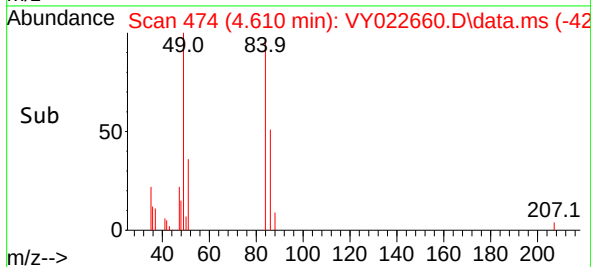
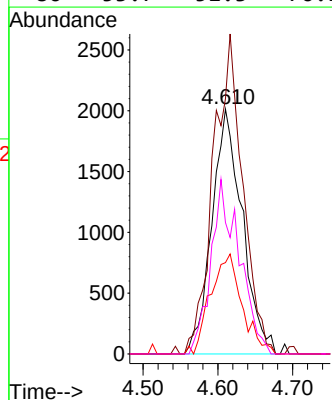
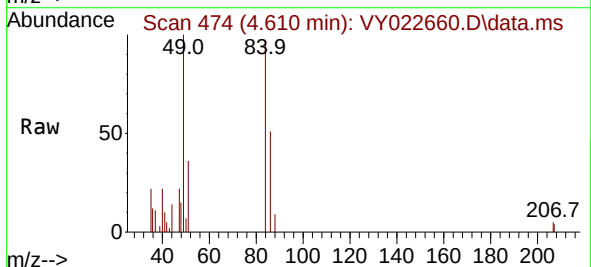
Instrument :
MSVOA_Y
ClientSampleId :
RT-4643

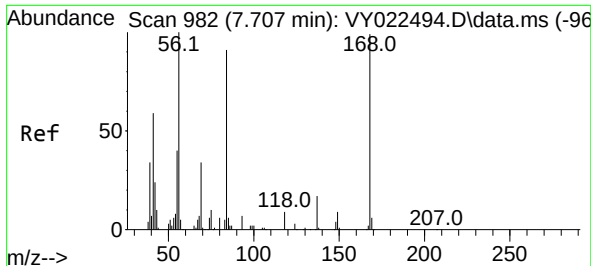
Tgt Ion:168 Resp: 204796
Ion Ratio Lower Upper
168 100
99 59.0 44.3 66.5



#20
Methylene Chloride
Concen: 2.155 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022660.D
Acq: 11 Jun 2025 13:34

Tgt Ion: 84 Resp: 5695
Ion Ratio Lower Upper
84 100
49 104.4 101.9 152.9
51 37.4 29.8 44.8
86 53.7 51.3 76.9

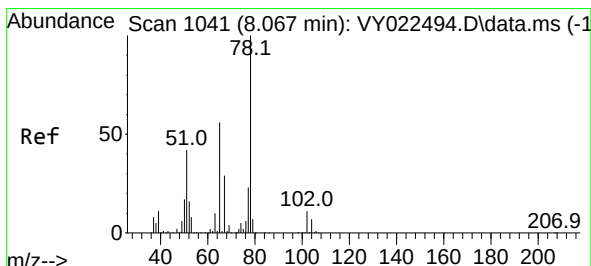
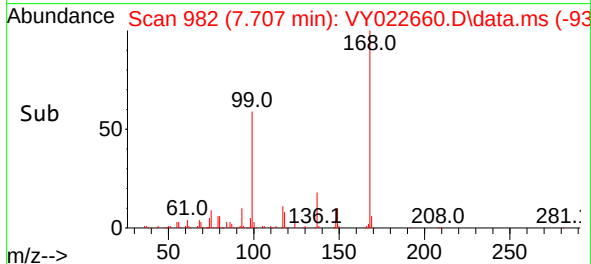
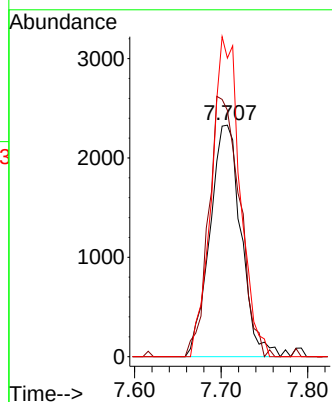
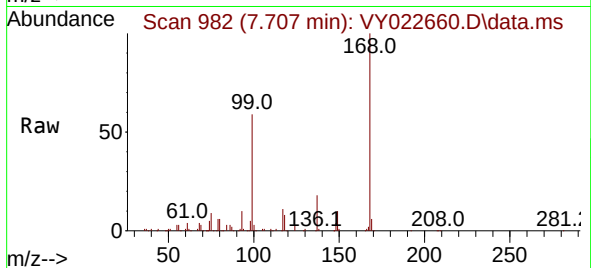




#31
Cyclohexane
Concen: 1.321 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022660.D
Acq: 11 Jun 2025 13:34

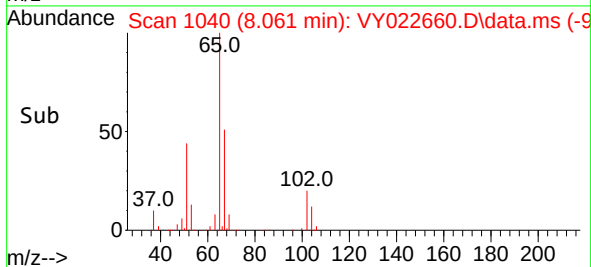
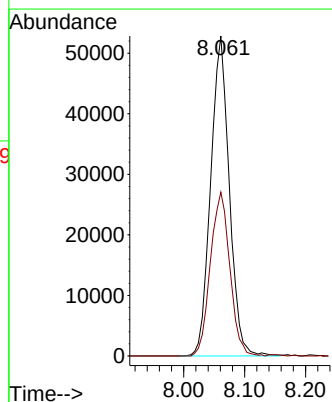
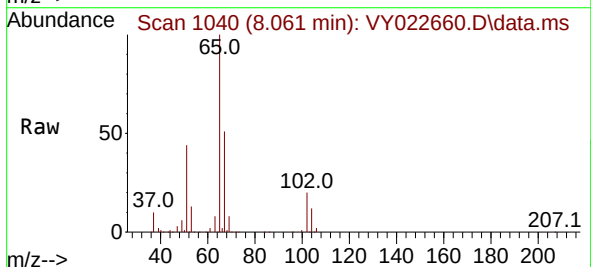
Instrument :
MSVOA_Y
ClientSampleId :
RT-4643

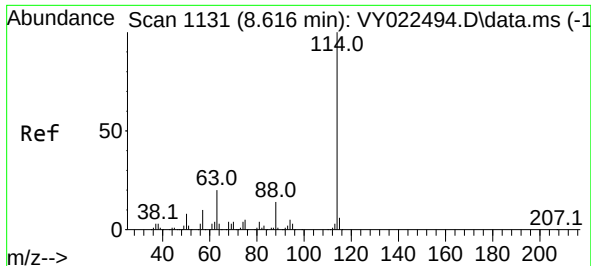
Tgt Ion: 56 Resp: 5813
Ion Ratio Lower Upper
56 100
69 106.4 27.0 40.6#
84 128.9 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 48.955 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022660.D
Acq: 11 Jun 2025 13:34

Tgt Ion: 65 Resp: 112134
Ion Ratio Lower Upper
65 100
67 53.5 0.0 103.4

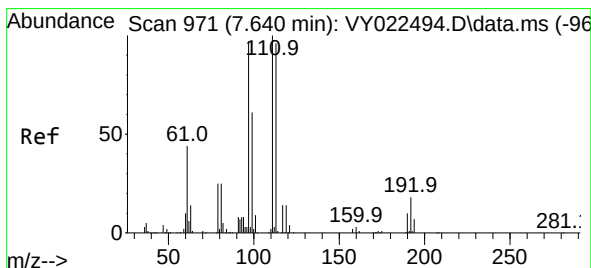
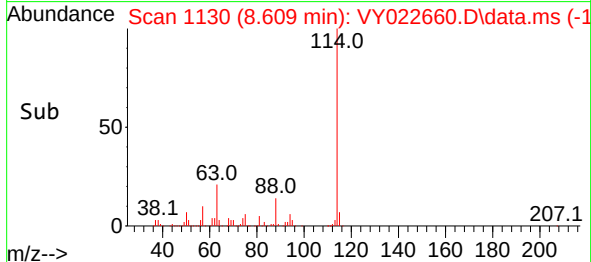
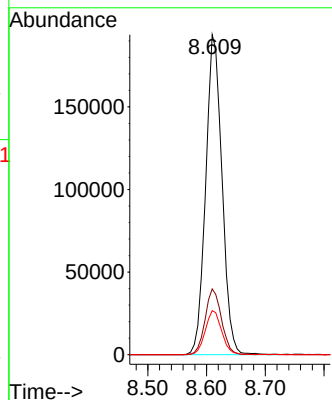
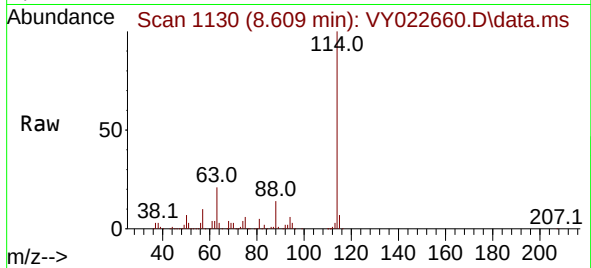




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.609 min Scan# 1131
 Delta R.T. -0.006 min
 Lab File: VY022660.D
 Acq: 11 Jun 2025 13:34

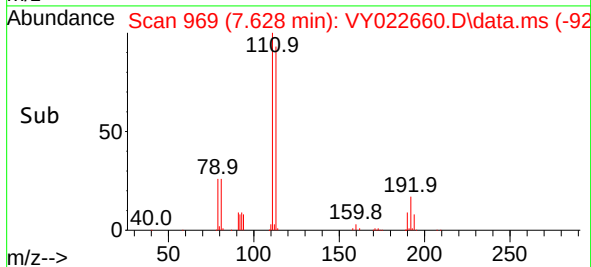
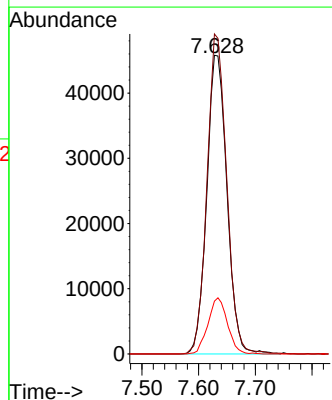
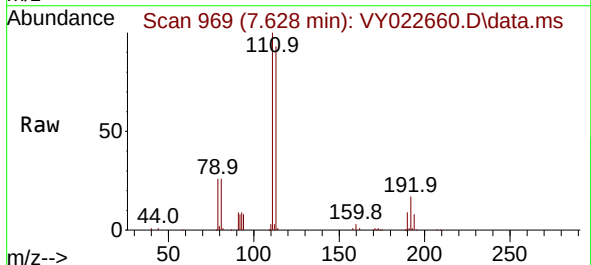
Instrument :
 MSVOA_Y
 ClientSampleId :
 RT-4643

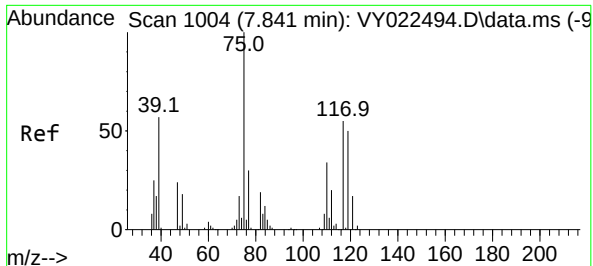
Tgt Ion:	114	Resp:	374069
Ion Ratio	Lower	Upper	
114	100		
63	20.6	0.0	40.8
88	13.8	0.0	27.8



#35
 Dibromofluoromethane
 Concen: 50.775 ug/l
 RT: 7.628 min Scan# 969
 Delta R.T. -0.012 min
 Lab File: VY022660.D
 Acq: 11 Jun 2025 13:34

Tgt Ion:	113	Resp:	113367
Ion Ratio	Lower	Upper	
113	100		
111	104.1	81.1	121.7
192	18.1	14.2	21.2

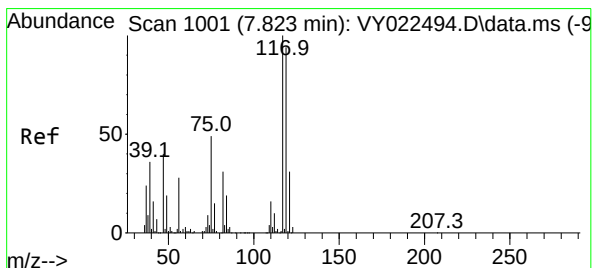
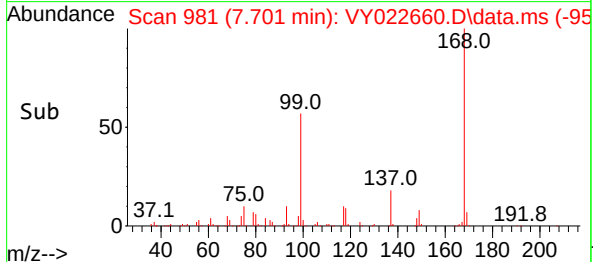
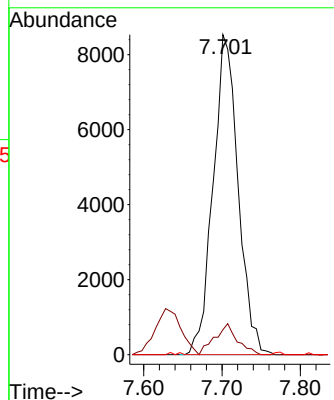
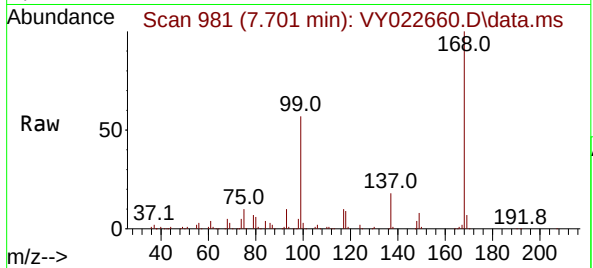




#36
 1,1-Dichloropropene
 Concen: 5.225 ug/l
 RT: 7.701 min Scan# 91
 Delta R.T. -0.140 min
 Lab File: VY022660.D
 Acq: 11 Jun 2025 13:34

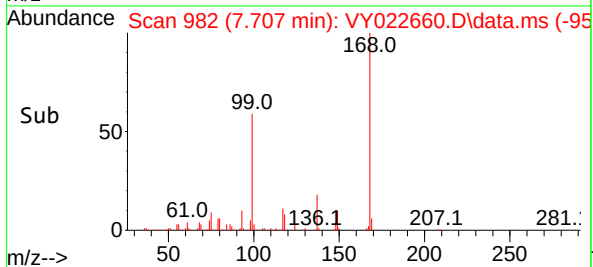
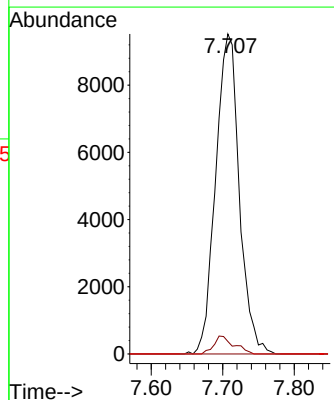
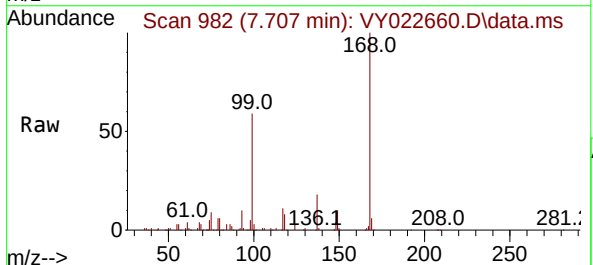
Instrument :
 MSVOA_Y
 ClientSampleId :
 RT-4643

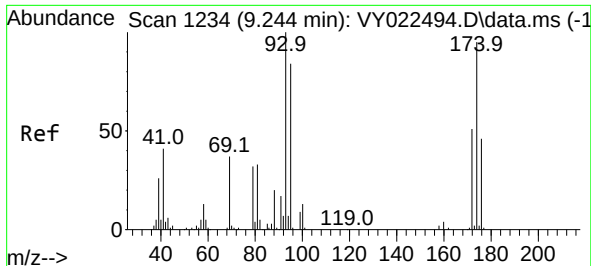
Tgt Ion: 75 Resp: 18934
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.9 50.7#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.877 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.116 min
 Lab File: VY022660.D
 Acq: 11 Jun 2025 13:34

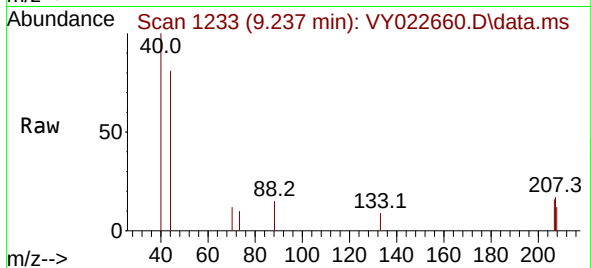
Tgt Ion: 117 Resp: 21847
 Ion Ratio Lower Upper
 117 100
 119 3.9 75.0 112.6#
 121 0.0 25.0 37.4#



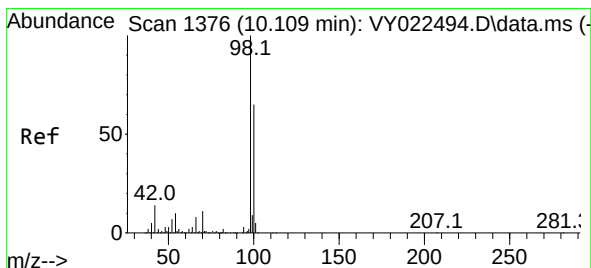
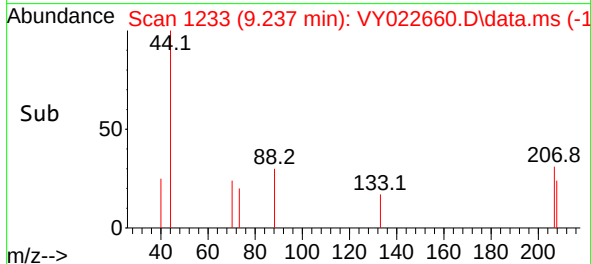
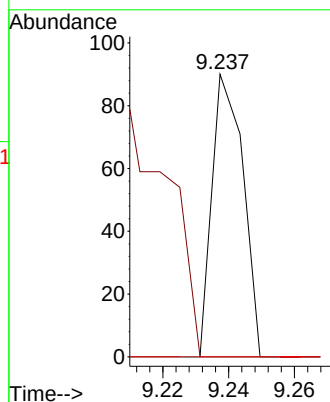


#49
1,4-Dioxane
Concen: 3.500 ug/l
RT: 9.237 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022660.D
Acq: 11 Jun 2025 13:34

Instrument :
MSVOA_Y
ClientSampleId :
RT-4643

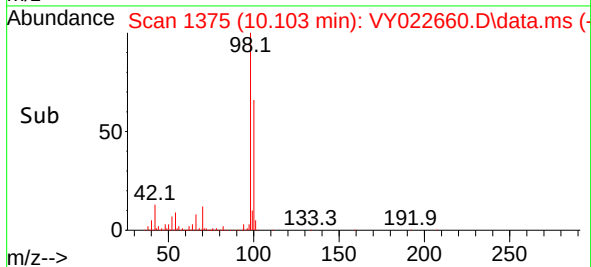
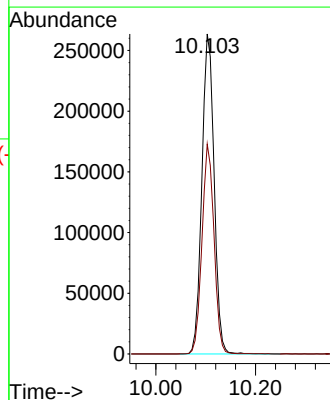
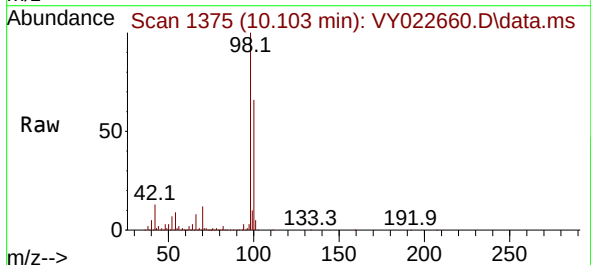


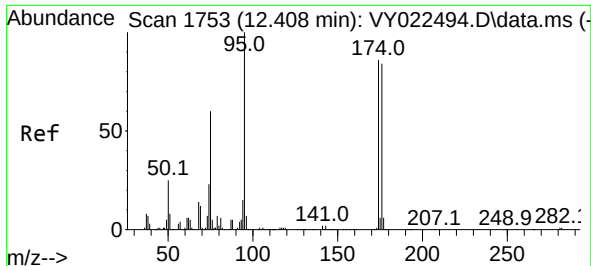
Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 0.0 25.4 38.2#
58 0.0 54.9 82.3#



#50
Toluene-d8
Concen: 49.711 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022660.D
Acq: 11 Jun 2025 13:34

Tgt Ion: 98 Resp: 448478
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0

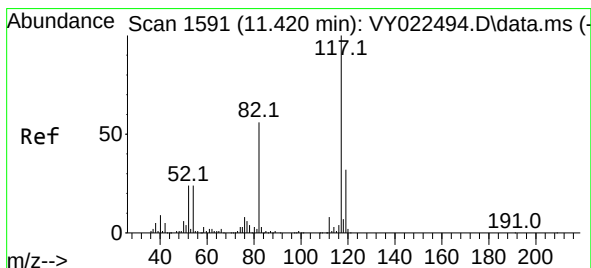
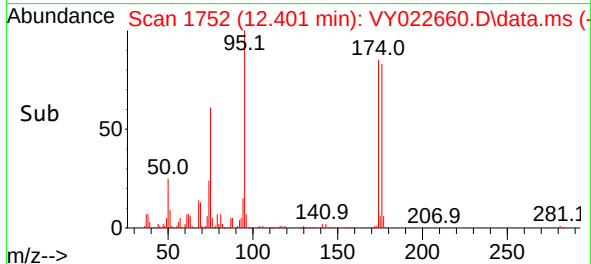
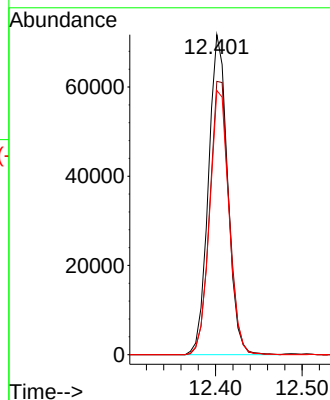
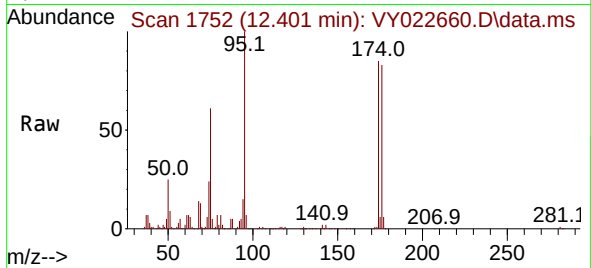




#62
4-Bromofluorobenzene
Concen: 41.105 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022660.D
Acq: 11 Jun 2025 13:34

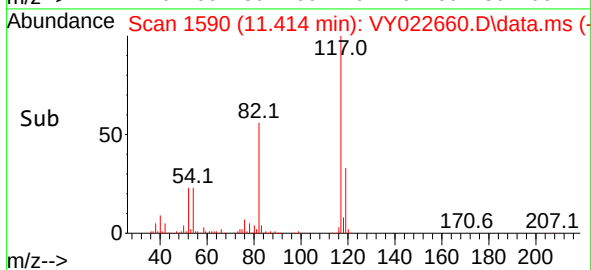
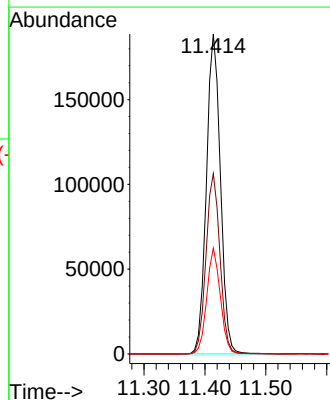
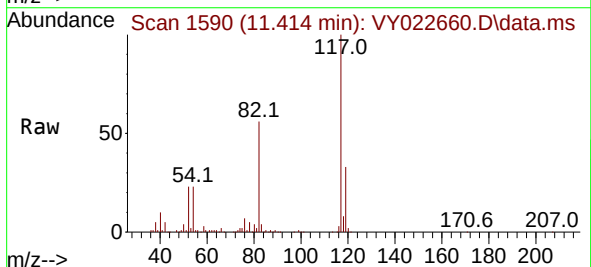
Instrument :
MSVOA_Y
ClientSampleId :
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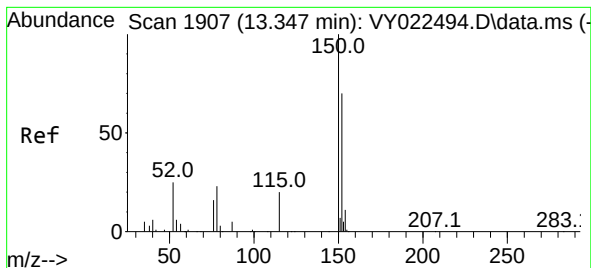
Tgt Ion: 95 Resp: 110490
Ion Ratio Lower Upper
95 100
174 86.3 0.0 170.0
176 83.2 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022660.D
Acq: 11 Jun 2025 13:34

Tgt Ion: 117 Resp: 301641
Ion Ratio Lower Upper
117 100
82 56.4 44.6 66.8
119 33.1 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: VY022660.D

Acq: 11 Jun 2025 13:34

Instrument :

MSVOA_Y

ClientSampleId :

RT-4643

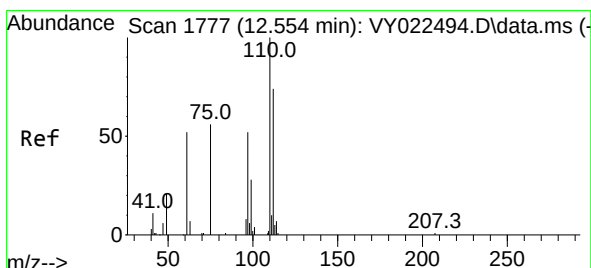
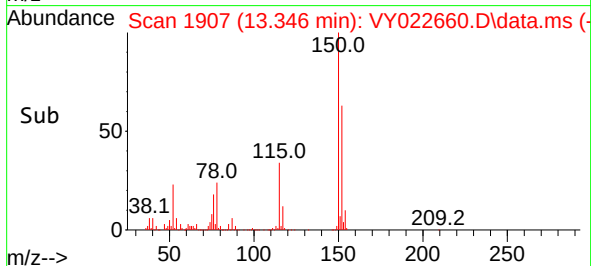
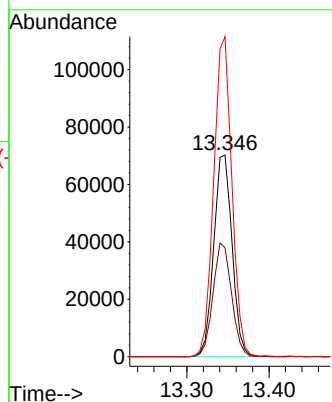
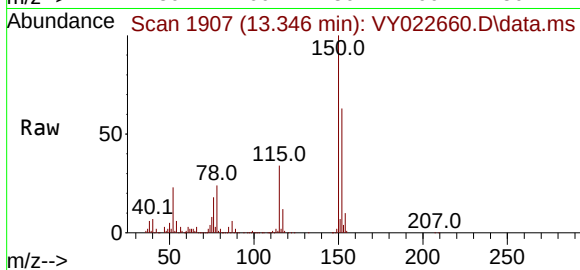
Tgt Ion:152 Resp: 108988

Ion Ratio Lower Upper

152 100

115 57.1 28.9 86.7

150 157.0 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 51.958 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022660.D

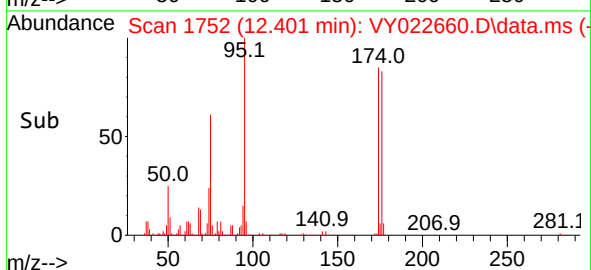
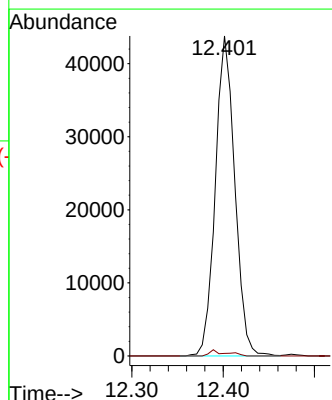
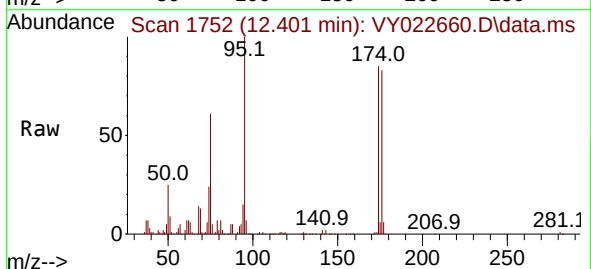
Acq: 11 Jun 2025 13:34

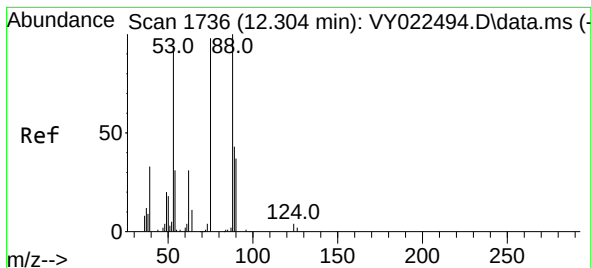
Tgt Ion: 75 Resp: 64785

Ion Ratio Lower Upper

75 100

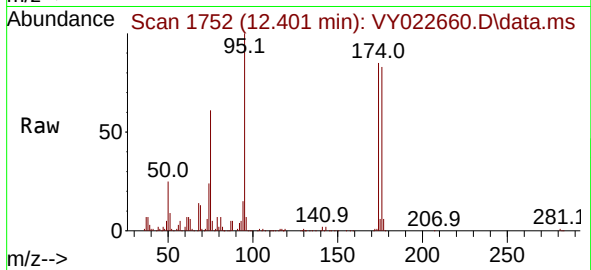
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.476 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022660.D
 Acq: 11 Jun 2025 13:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT-4643



Tgt Ion: 75 Resp: 64785
 Ion Ratio Lower Upper
 75 100
 53 0.5 78.5 117.7#
 89 0.0 35.7 53.5#

