

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
 Data File : VY022770.D
 Acq On : 20 Jun 2025 17:52
 Operator : SY/MD
 Sample : Q2381-03
 Misc : 4.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 21 02:43:05 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)

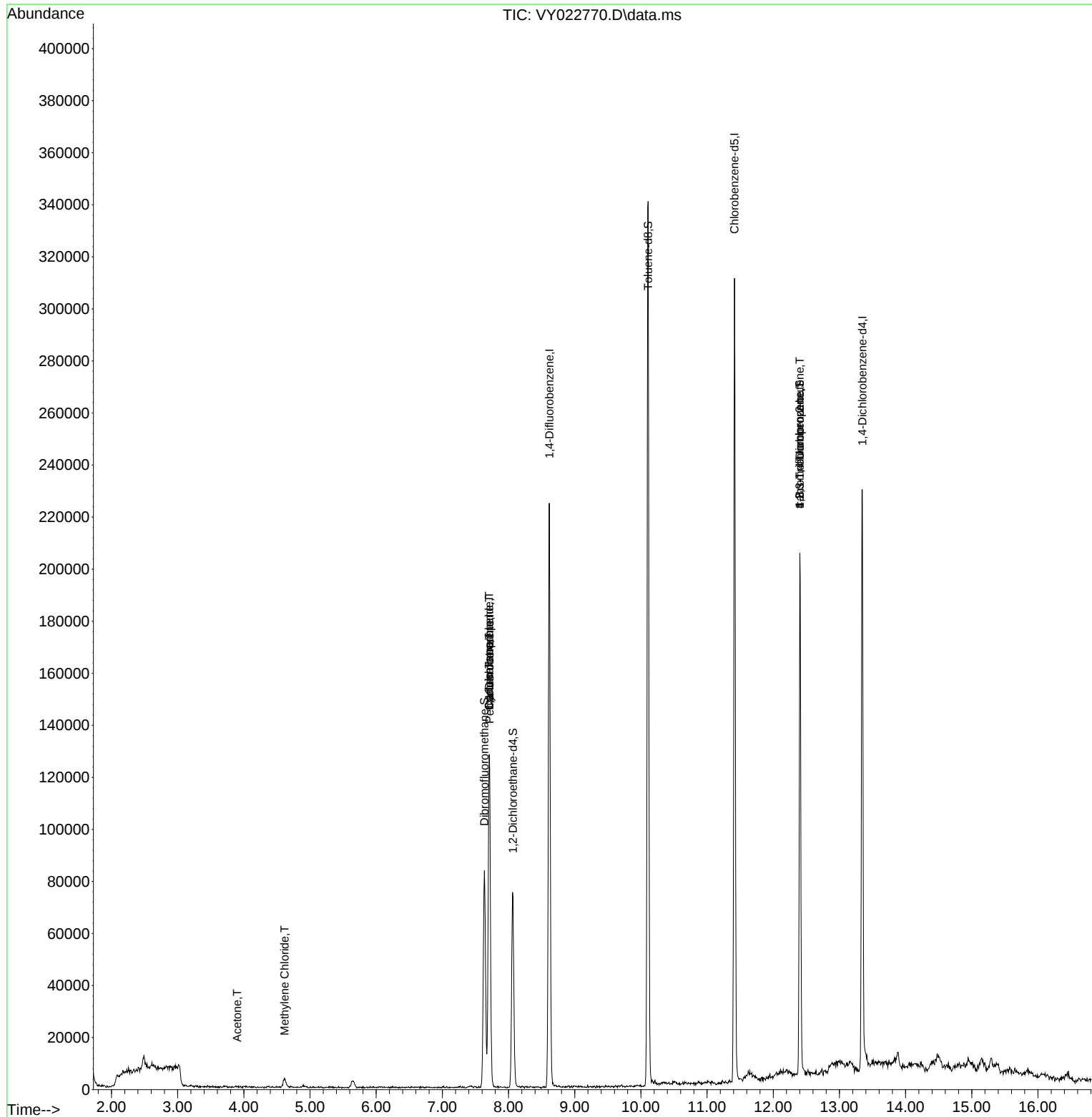
Internal Standards						
1) Pentafluorobenzene	7.713	168	96856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	180670	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	150542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	54405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	58155	53.684	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.360%	
35) Dibromofluoromethane	7.634	113	56966	52.825	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.660%	
50) Toluene-d8	10.109	98	218216	50.080	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.160%	
62) 4-Bromofluorobenzene	12.401	95	56369	43.419	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.840%	
Target Compounds						
					Qvalue	
16) Acetone	3.897	43	419	1.905	ug/l #	45
20) Methylene Chloride	4.616	84	2497	1.998	ug/l #	72
31) Cyclohexane	7.707	56	2798	1.344	ug/l #	7
36) 1,1-Dichloropropene	7.707	75	8817	5.038	ug/l #	51
38) Carbon Tetrachloride	7.707	117	9874	5.499	ug/l #	19
76) 1,2,3-Trichloropropane	12.401	75	33335	53.558	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	33335	129.339	ug/l #	10

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

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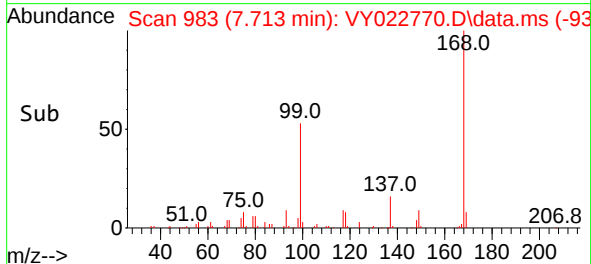
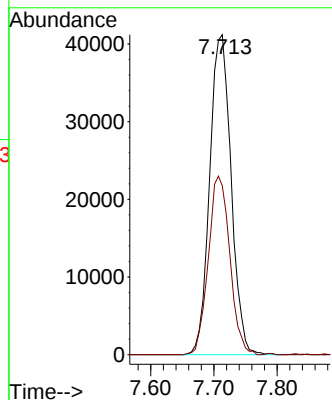
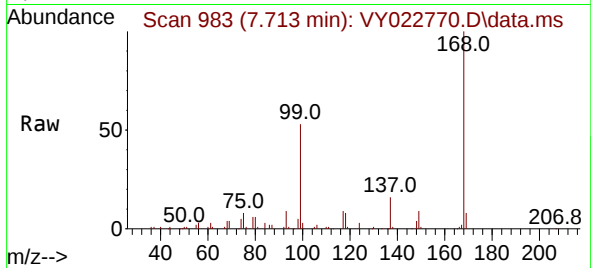




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022770.D
Acq: 20 Jun 2025 17:52

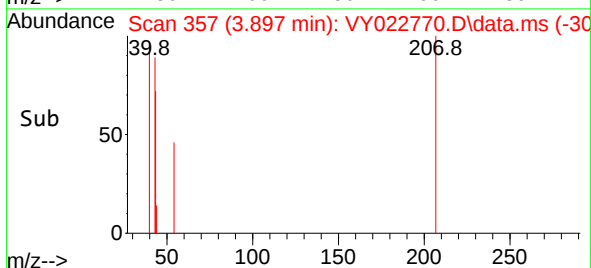
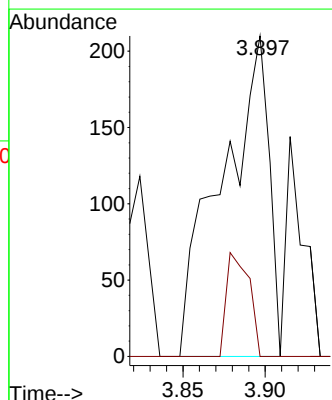
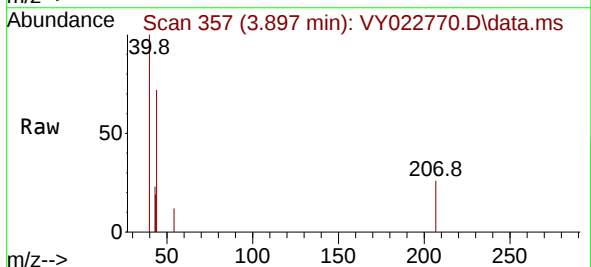
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 96856
Ion Ratio Lower Upper
168 100
99 52.8 44.3 66.5



#16
Acetone
Concen: 1.905 ug/l
RT: 3.897 min Scan# 357
Delta R.T. 0.018 min
Lab File: VY022770.D
Acq: 20 Jun 2025 17:52

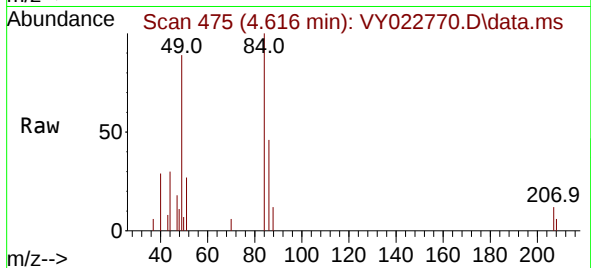
Tgt Ion: 43 Resp: 419
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#



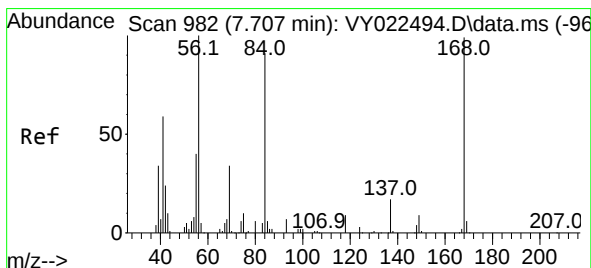
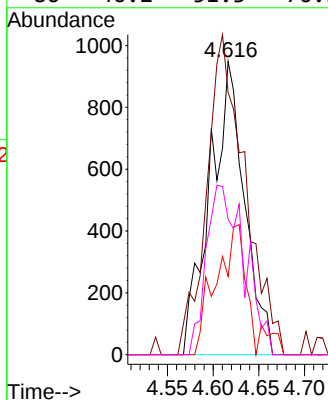
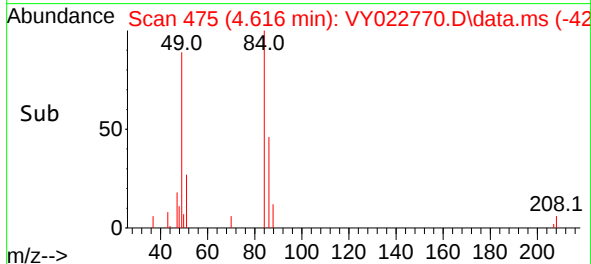


#20
Methylene Chloride
Concen: 1.998 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022770.D
Acq: 20 Jun 2025 17:52

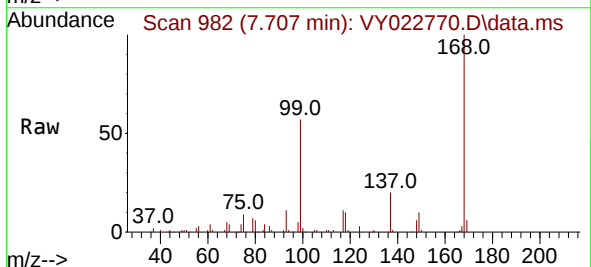
Instrument :
MSVOA_Y
ClientSampleId :



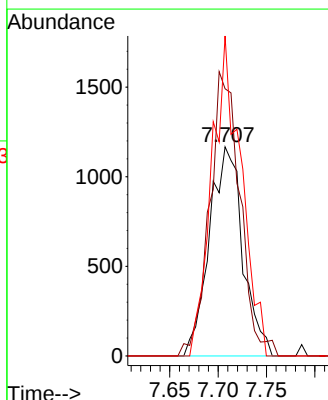
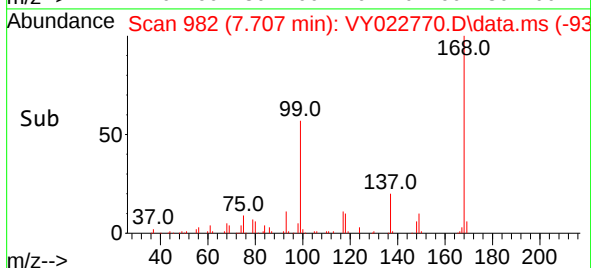
Tgt Ion: 84 Resp: 2497
Ion Ratio Lower Upper
84 100
49 89.5 101.9 152.9#
51 26.7 29.8 44.8#
86 46.2 51.3 76.9#

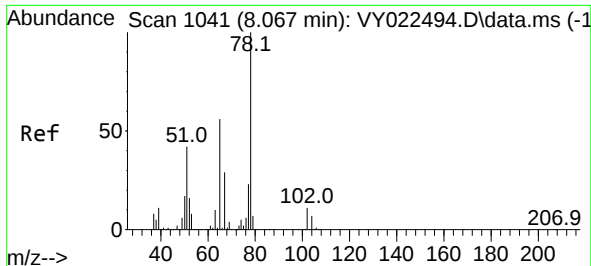


#31
Cyclohexane
Concen: 1.344 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022770.D
Acq: 20 Jun 2025 17:52



Tgt Ion: 56 Resp: 2798
Ion Ratio Lower Upper
56 100
69 127.8 27.0 40.6#
84 153.0 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 53.684 ug/l

RT: 8.067 min Scan# 11041

Delta R.T. -0.000 min

Lab File: VY022770.D

Acq: 20 Jun 2025 17:52

Instrument :

MSVOA_Y

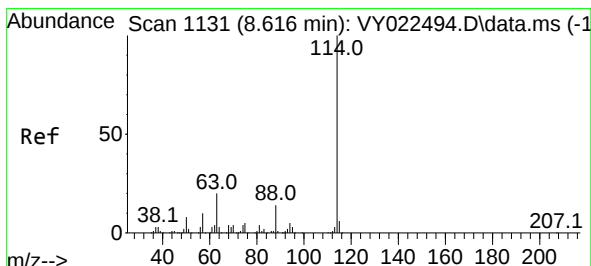
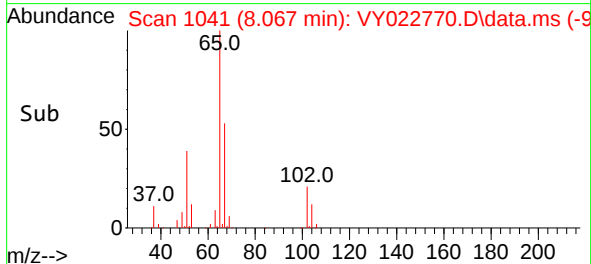
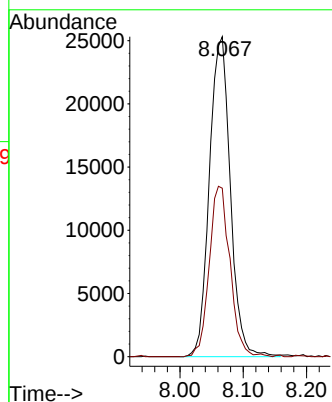
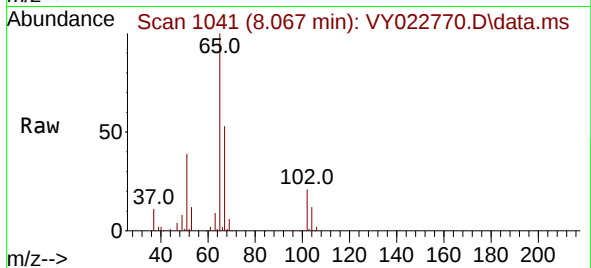
ClientSampleId :

Tgt Ion: 65 Resp: 58155

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022770.D

Acq: 20 Jun 2025 17:52

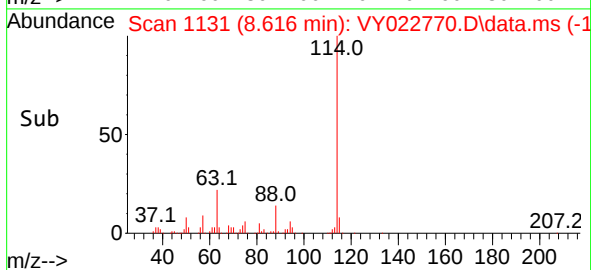
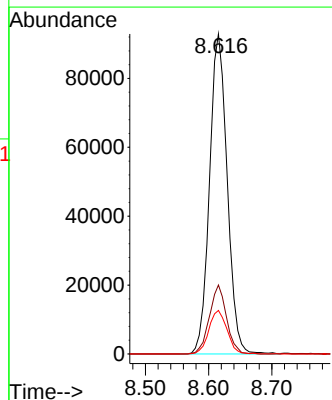
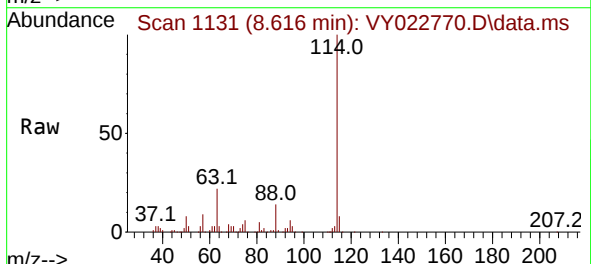
Tgt Ion: 114 Resp: 180670

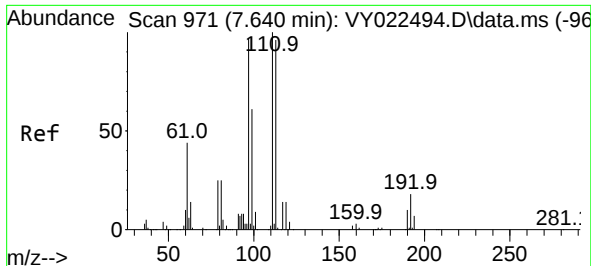
Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.8

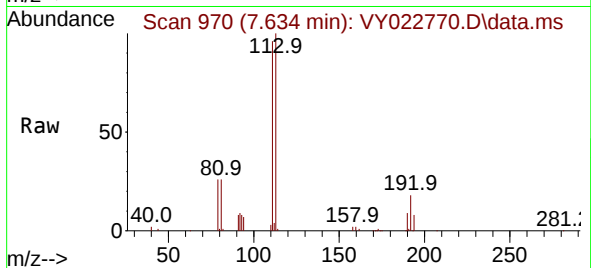
88 13.6 0.0 27.8



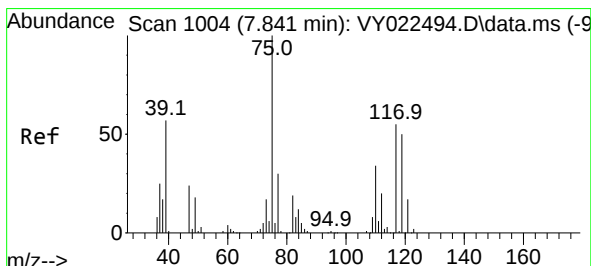
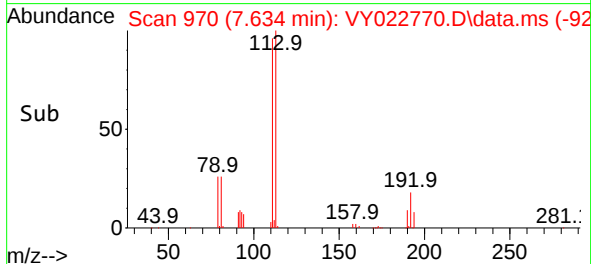
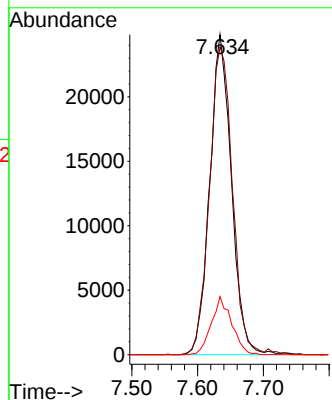


#35
Dibromofluoromethane
Concen: 52.825 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022770.D
Acq: 20 Jun 2025 17:52

Instrument :
MSVOA_Y
ClientSampleId :

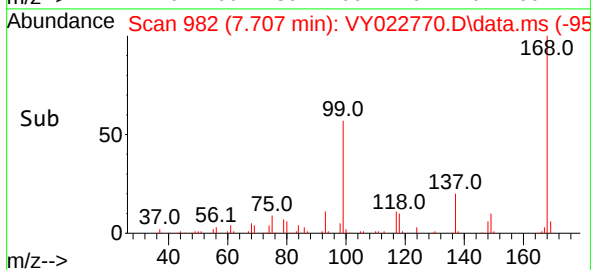
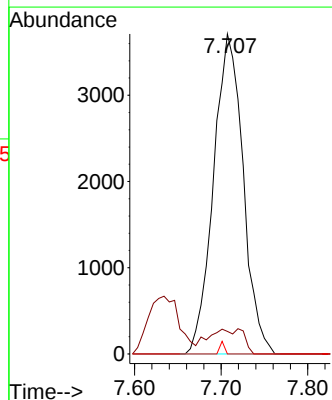
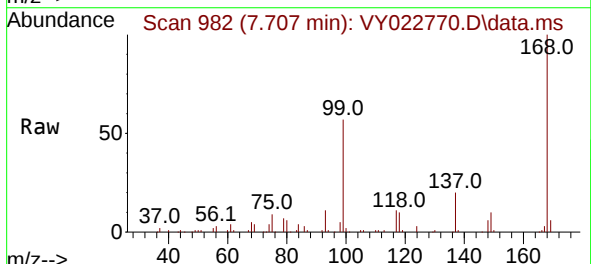


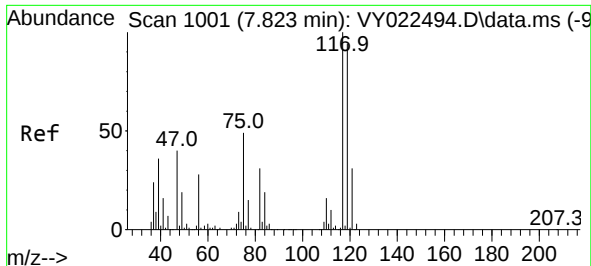
Tgt Ion:113 Resp: 56966
Ion Ratio Lower Upper
113 100
111 101.5 81.1 121.7
192 17.0 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.038 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022770.D
Acq: 20 Jun 2025 17:52

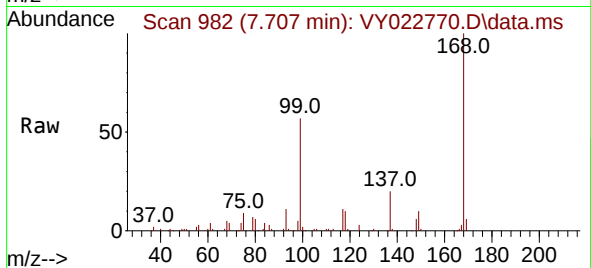
Tgt Ion: 75 Resp: 8817
Ion Ratio Lower Upper
75 100
110 9.3 16.9 50.7#
77 0.6 24.8 37.2#



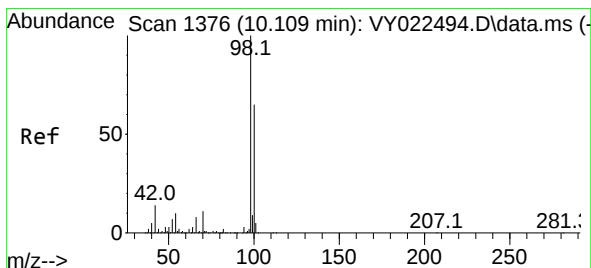
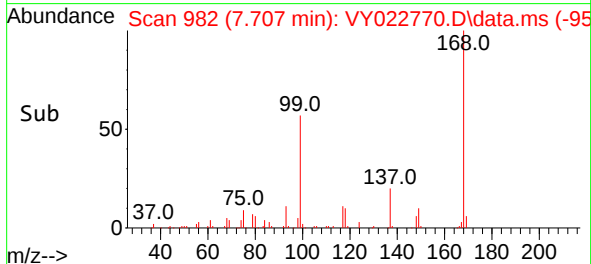
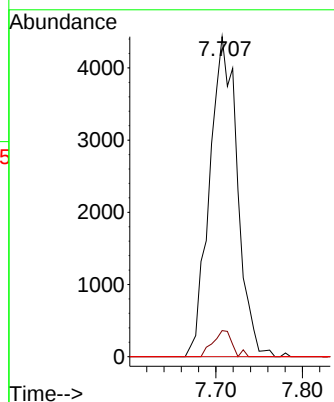


#38
Carbon Tetrachloride
Concen: 5.499 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022770.D
Acq: 20 Jun 2025 17:52

Instrument :
MSVOA_Y
ClientSampleId :

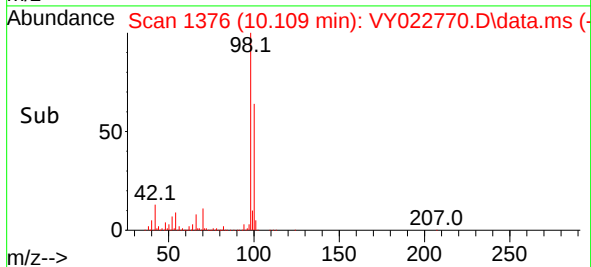
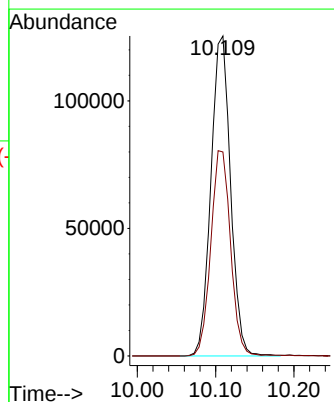
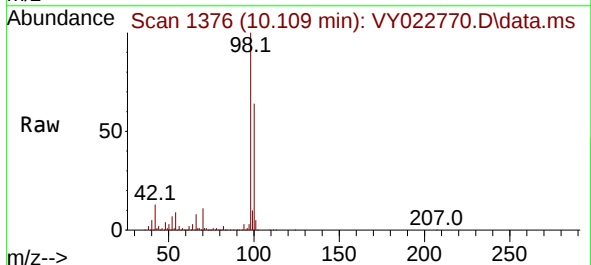


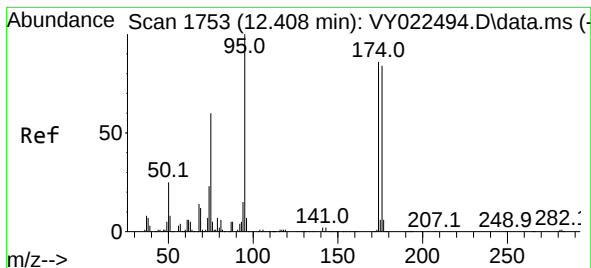
Tgt Ion:117 Resp: 9874
Ion Ratio Lower Upper
117 100
119 8.2 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.080 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022770.D
Acq: 20 Jun 2025 17:52

Tgt Ion: 98 Resp: 218216
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0

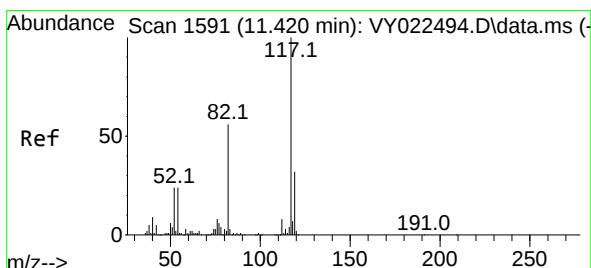
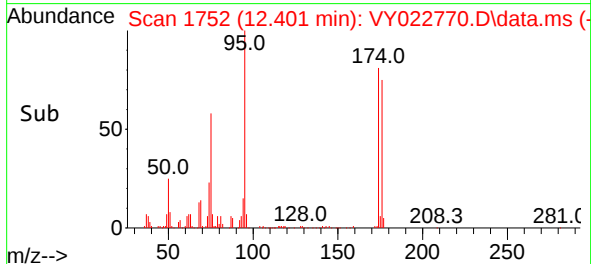
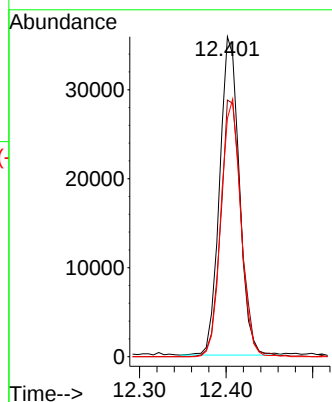
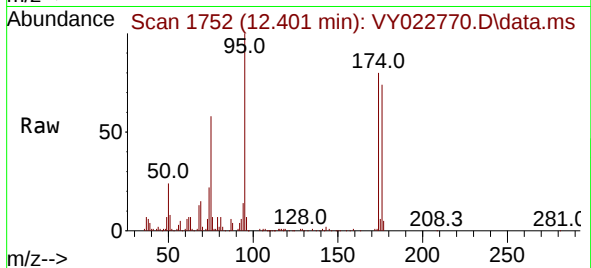




#62
4-Bromofluorobenzene
Concen: 43.419 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022770.D
Acq: 20 Jun 2025 17:52

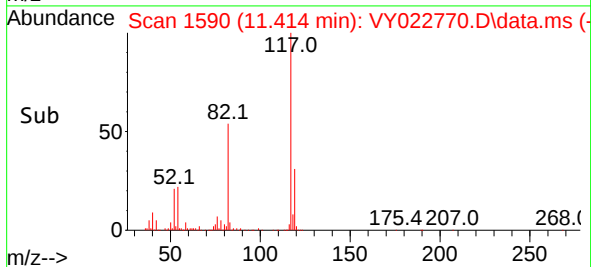
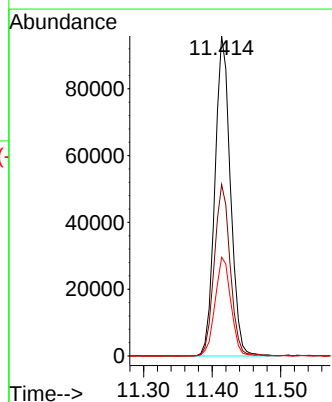
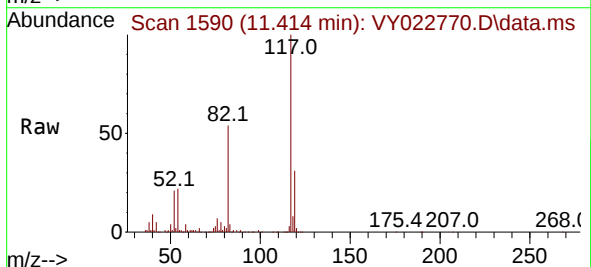
Instrument :
MSVOA_Y
ClientSampleId :

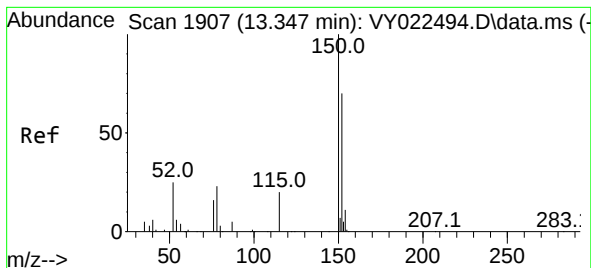
Tgt Ion: 95 Resp: 56369
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.0
176 81.3 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022770.D
Acq: 20 Jun 2025 17:52

Tgt Ion: 117 Resp: 150542
Ion Ratio Lower Upper
117 100
82 53.6 44.6 66.8
119 30.8 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: VY022770.D

Acq: 20 Jun 2025 17:52

Instrument :

MSVOA_Y

ClientSampleId :

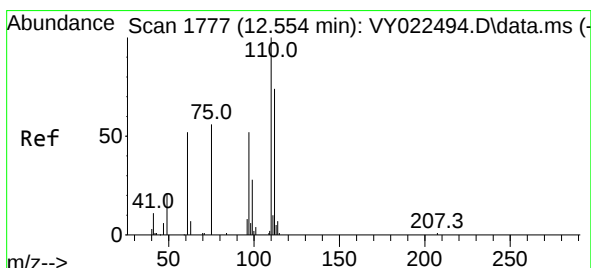
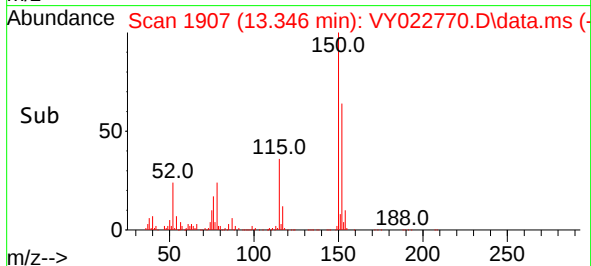
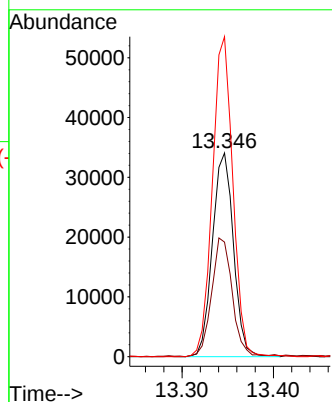
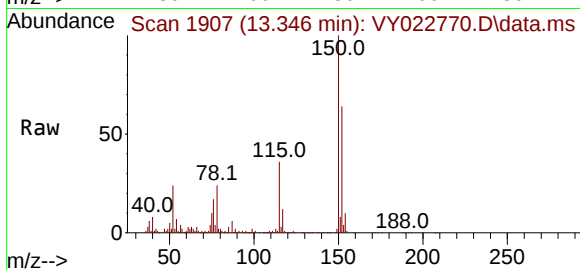
Tgt Ion:152 Resp: 54405

Ion Ratio Lower Upper

152 100

115 57.1 28.9 86.7

150 152.3 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 53.558 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022770.D

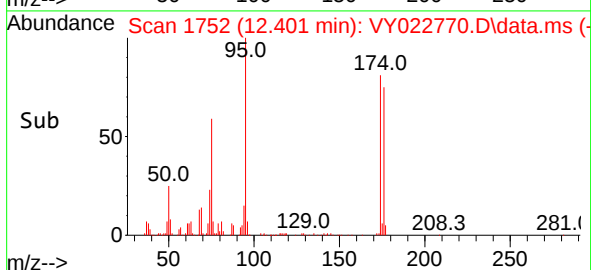
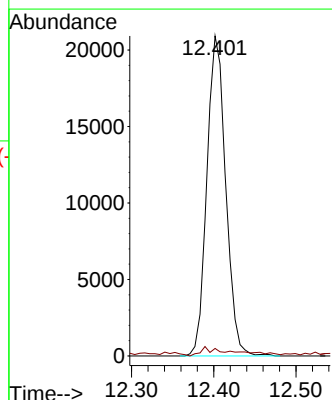
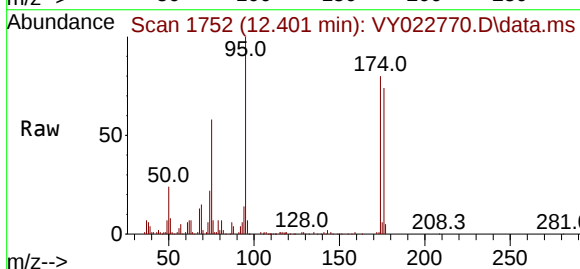
Acq: 20 Jun 2025 17:52

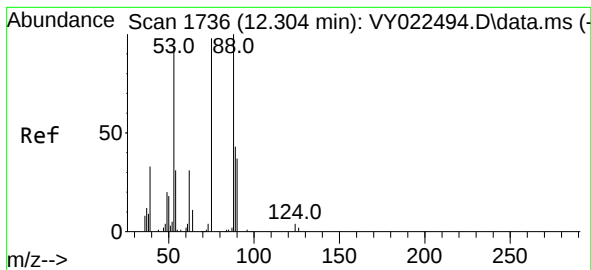
Tgt Ion: 75 Resp: 33335

Ion Ratio Lower Upper

75 100

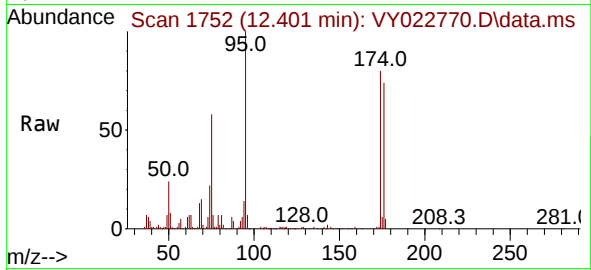
77 2.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 129.339 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY022770.D
Acq: 20 Jun 2025 17:52

Instrument :
MSVOA_Y
ClientSampleId :



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

