

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
 Data File : VY022771.D
 Acq On : 20 Jun 2025 18:16
 Operator : SY/MD
 Sample : Q2381-05
 Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11929

Quant Time: Jun 21 02:43:26 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)

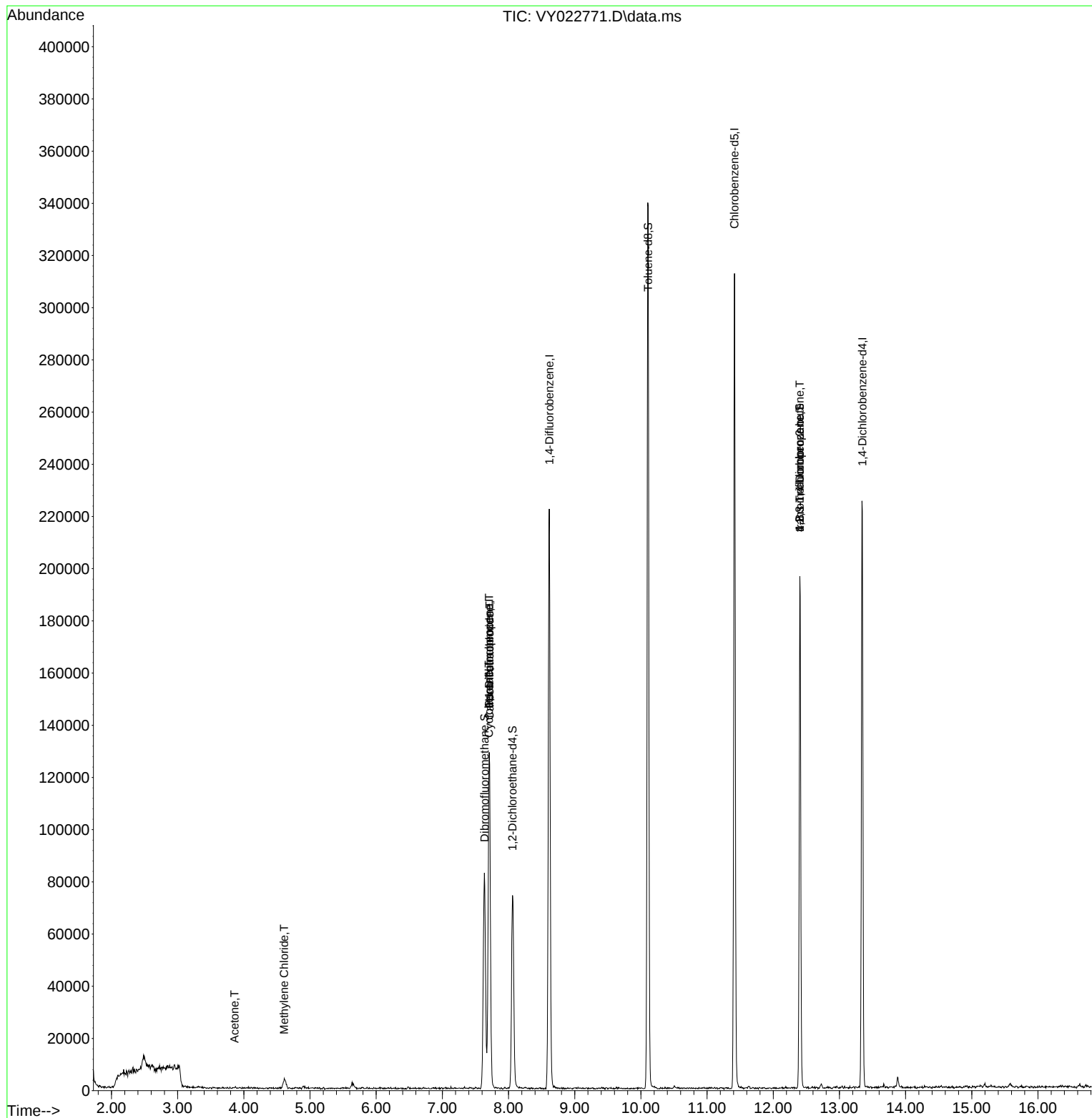
Internal Standards						
1) Pentafluorobenzene	7.707	168	97069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	182641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	150205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	53722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	57706	53.153	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.300%	
35) Dibromofluoromethane	7.640	113	55300	50.727	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.460%	
50) Toluene-d8	10.109	98	216830	49.225	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.440%	
62) 4-Bromofluorobenzene	12.402	95	54018	41.159	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.320%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	287	1.302	ug/l #	45
20) Methylene Chloride	4.610	84	2435	1.944	ug/l #	90
31) Cyclohexane	7.701	56	2711	1.300	ug/l #	58
36) 1,1-Dichloropropene	7.707	75	9323	5.269	ug/l #	50
38) Carbon Tetrachloride	7.713	117	9543	5.258	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	32381	52.686	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	32381	127.234	ug/l #	11

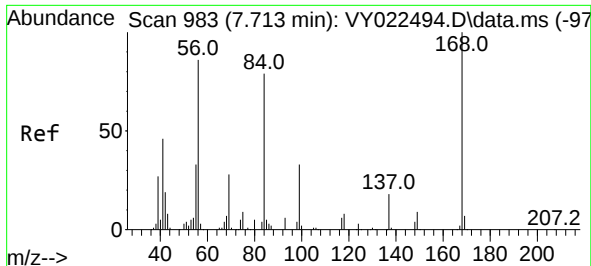
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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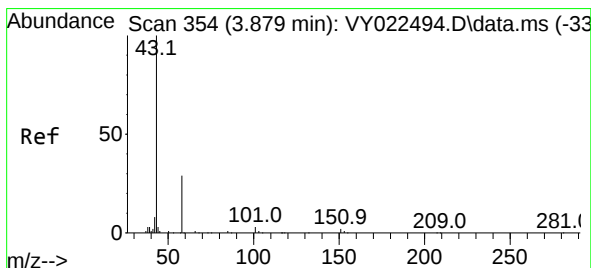
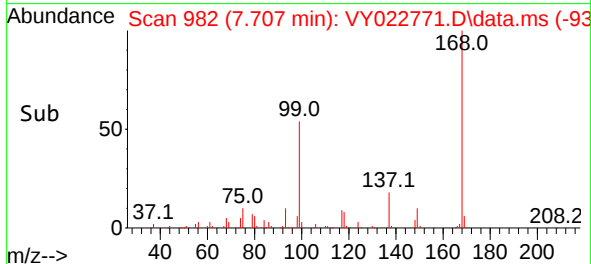
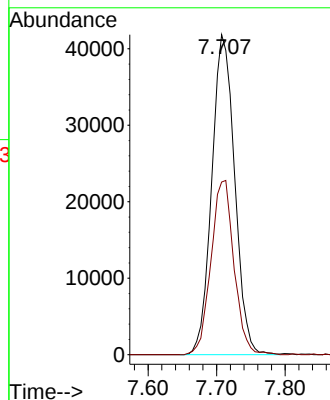
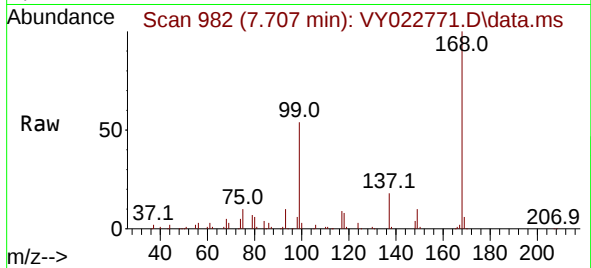




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022771.D
Acq: 20 Jun 2025 18:16

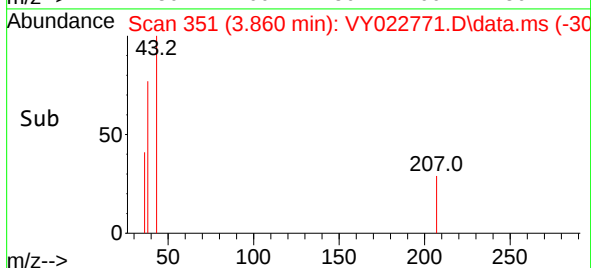
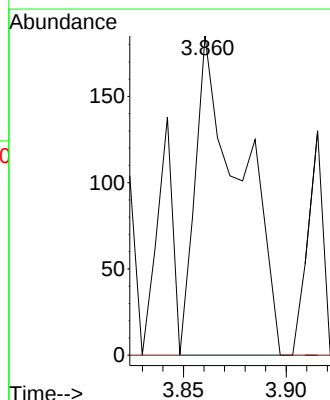
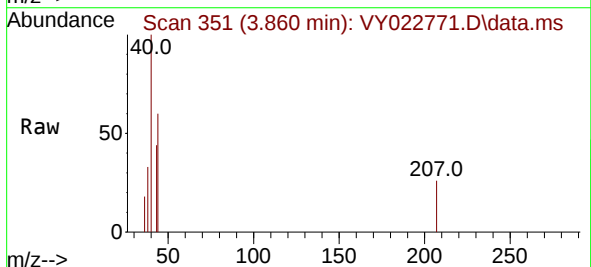
Instrument :
MSVOA_Y
ClientSampleId :
72-11929

Tgt Ion:168 Resp: 97069
Ion Ratio Lower Upper
168 100
99 54.0 44.3 66.5



#16
Acetone
Concen: 1.302 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022771.D
Acq: 20 Jun 2025 18:16

Tgt Ion: 43 Resp: 287
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#

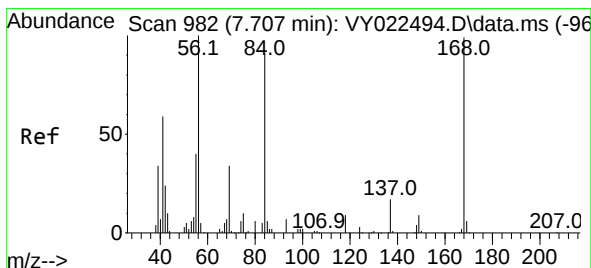
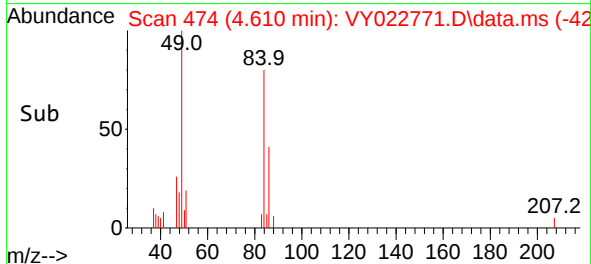
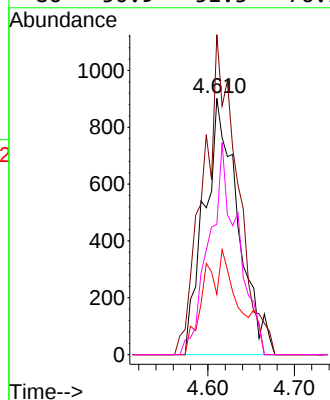
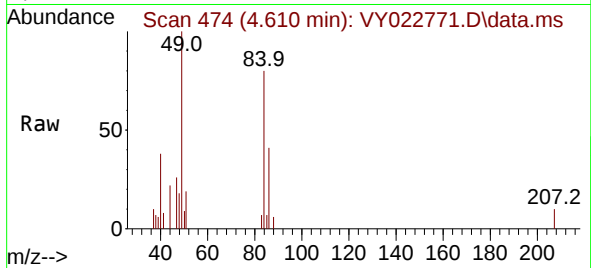




#20
Methylene Chloride
Concen: 1.944 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022771.D
Acq: 20 Jun 2025 18:16

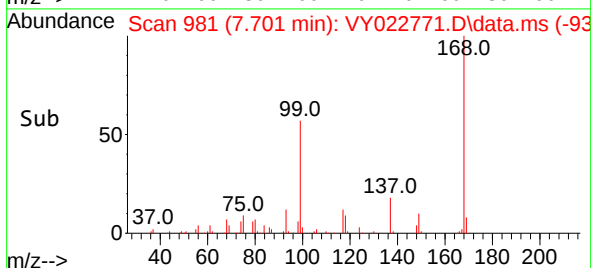
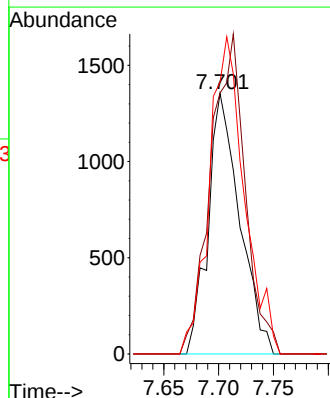
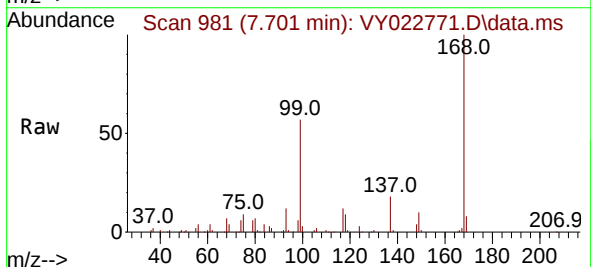
Instrument :
MSVOA_Y
ClientSampleId :
72-11929

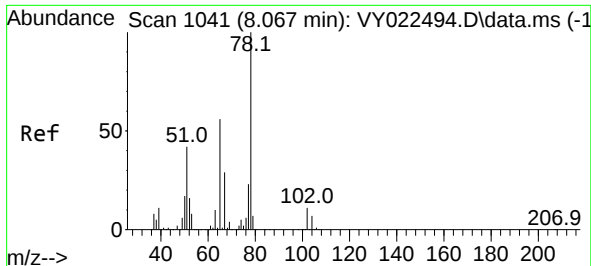
Tgt Ion:	84	Resp:	2435
Ion	Ratio	Lower	Upper
84	100		
49	124.8	101.9	152.9
51	23.5	29.8	44.8#
86	50.9	51.3	76.9#



#31
Cyclohexane
Concen: 1.300 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022771.D
Acq: 20 Jun 2025 18:16

Tgt Ion:	56	Resp:	2711
Ion	Ratio	Lower	Upper
56	100		
69	100.1	27.0	40.6#
84	104.3	72.6	109.0





#33

1,2-Dichloroethane-d4

Concen: 53.153 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VY022771.D

Acq: 20 Jun 2025 18:16

Instrument :

MSVOA_Y

ClientSampleId :

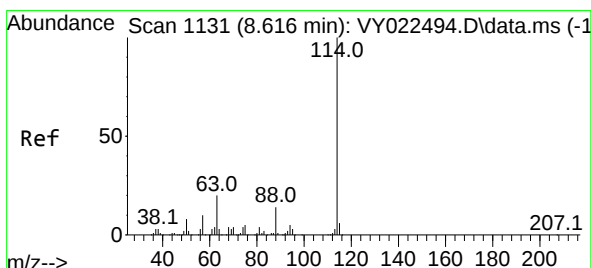
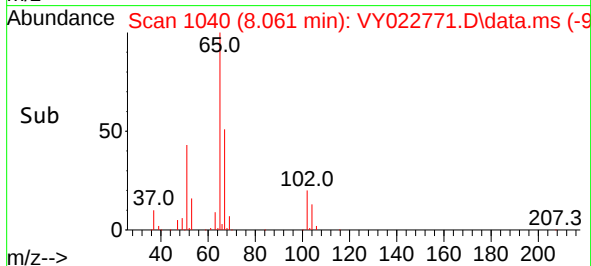
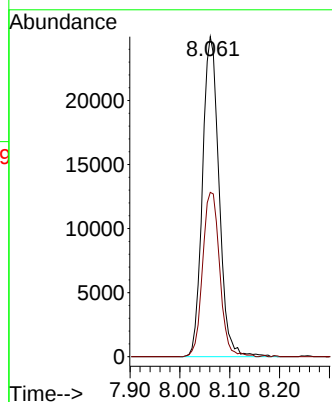
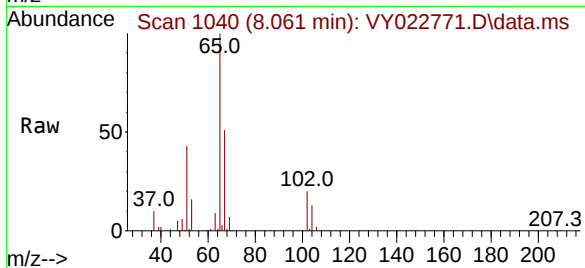
72-11929

Tgt Ion: 65 Resp: 57706

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: VY022771.D

Acq: 20 Jun 2025 18:16

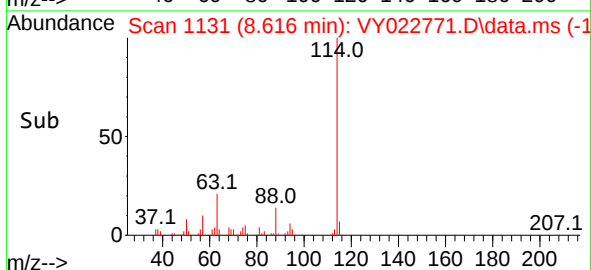
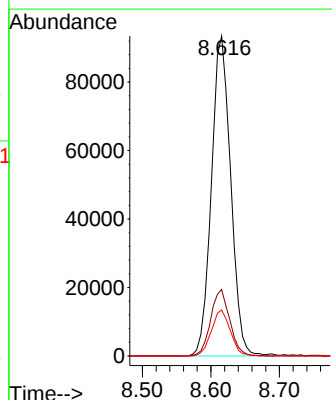
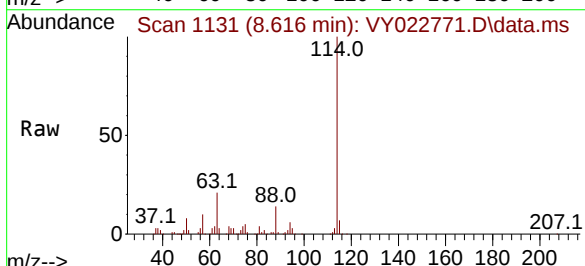
Tgt Ion: 114 Resp: 182641

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 14.3 0.0 27.8

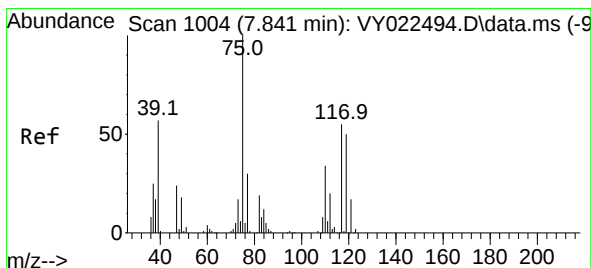
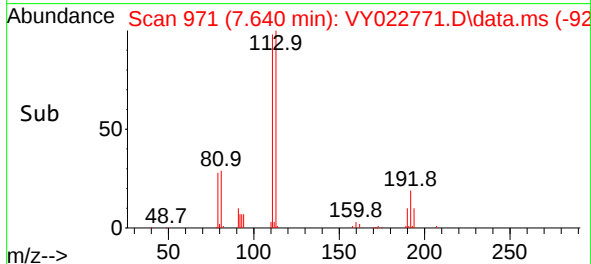
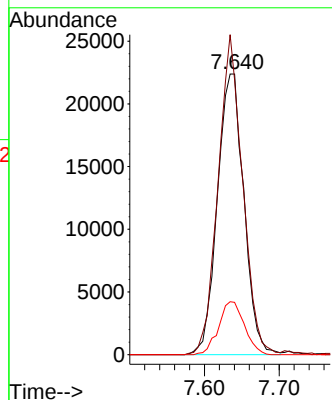
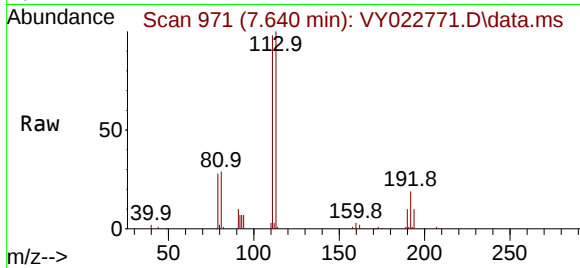




#35
Dibromofluoromethane
Concen: 50.727 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022771.D
Acq: 20 Jun 2025 18:16

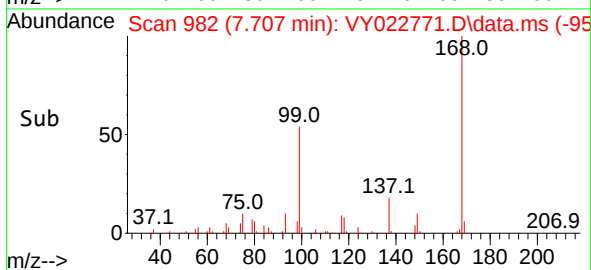
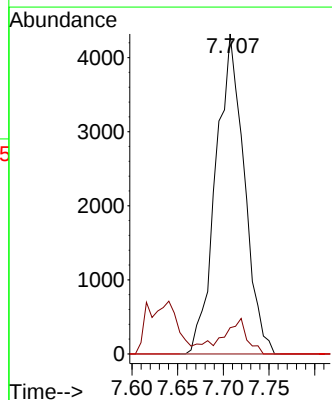
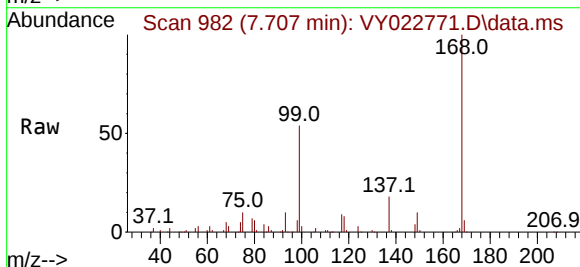
Instrument :
MSVOA_Y
ClientSampleId :
72-11929

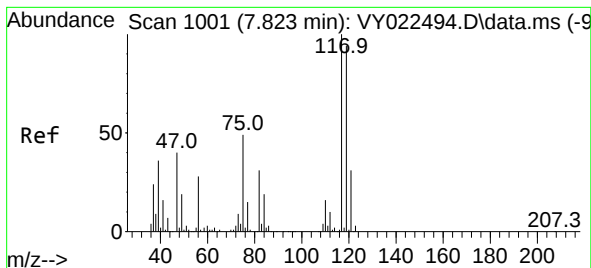
Tgt Ion:113 Resp: 55300
Ion Ratio Lower Upper
113 100
111 105.2 81.1 121.7
192 18.4 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.269 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022771.D
Acq: 20 Jun 2025 18:16

Tgt Ion: 75 Resp: 9323
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.7#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.258 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY022771.D

Acq: 20 Jun 2025 18:16

Instrument :

MSVOA_Y

ClientSampleId :

72-11929

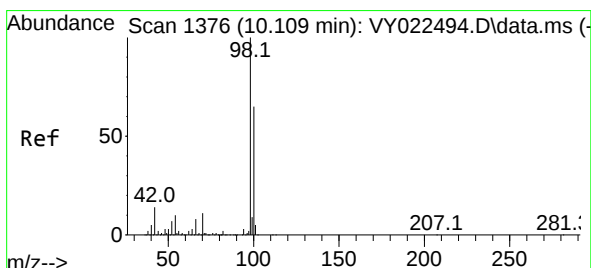
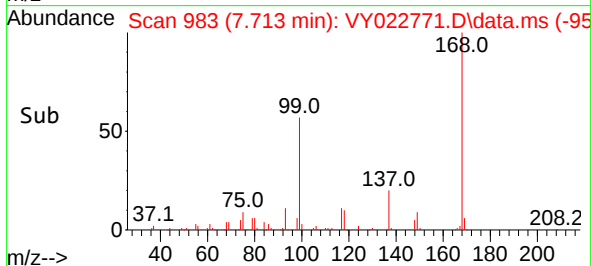
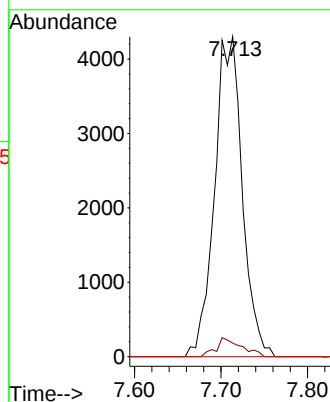
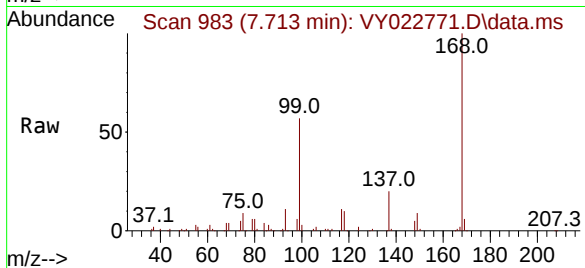
Tgt Ion:117 Resp: 9543

Ion Ratio Lower Upper

117 100

119 4.2 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 49.225 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022771.D

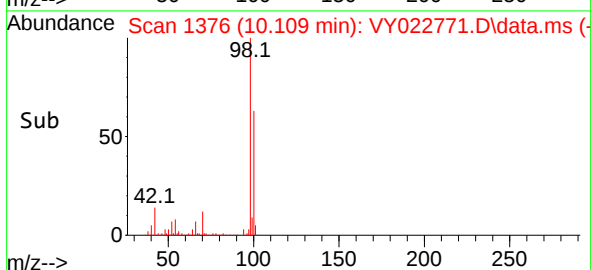
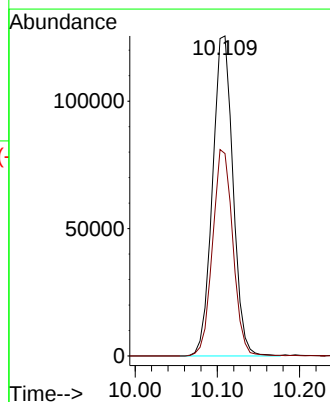
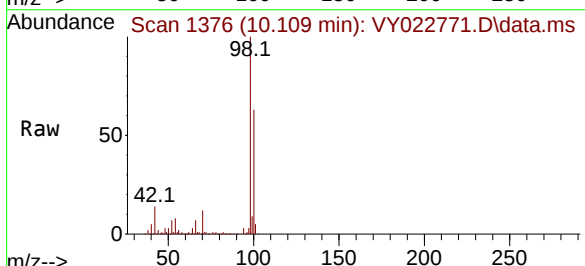
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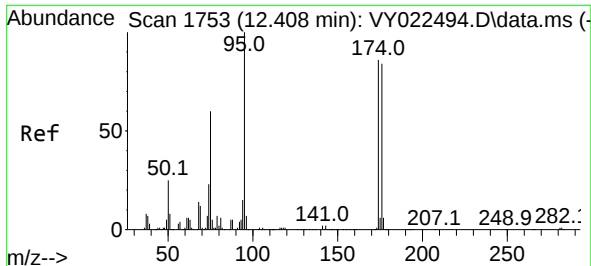
Tgt Ion: 98 Resp: 216830

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0

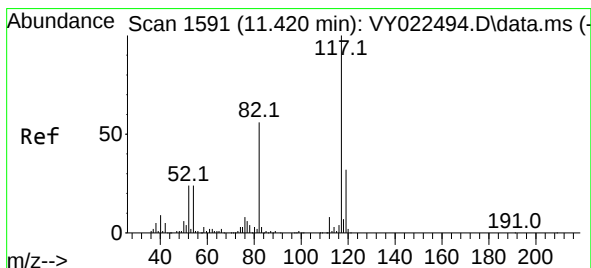
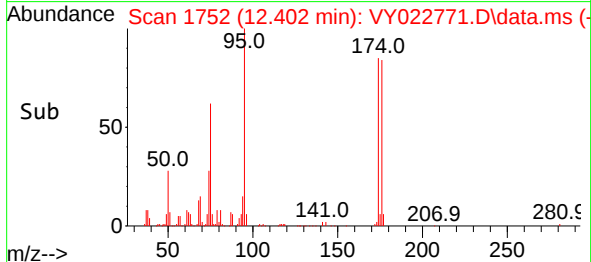
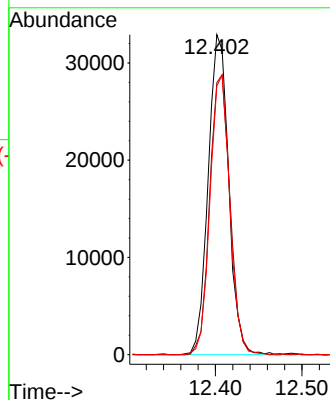
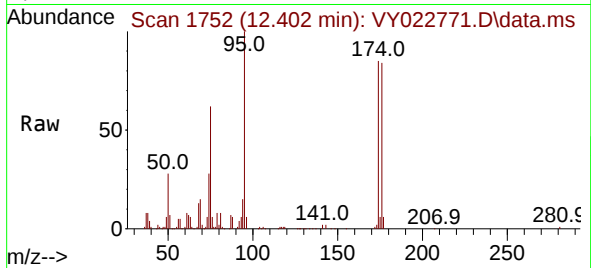




#62
4-Bromofluorobenzene
Concen: 41.159 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022771.D
Acq: 20 Jun 2025 18:16

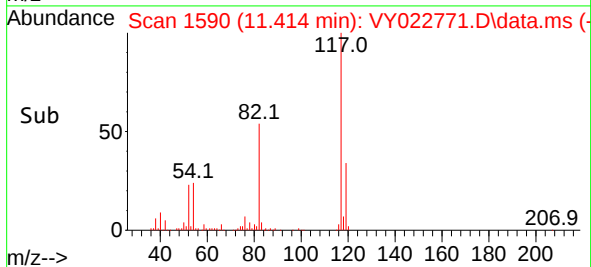
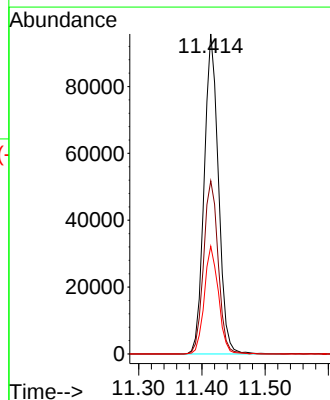
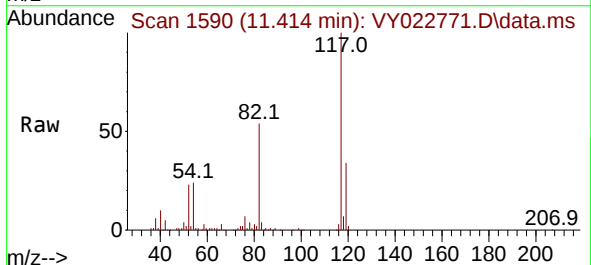
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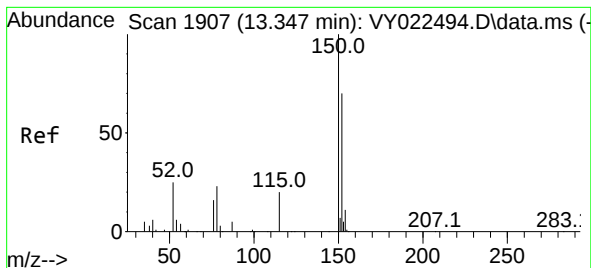
Tgt Ion: 95 Resp: 54018
Ion Ratio Lower Upper
95 100
174 86.7 0.0 170.0
176 84.1 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022771.D
Acq: 20 Jun 2025 18:16

Tgt Ion: 117 Resp: 150205
Ion Ratio Lower Upper
117 100
82 54.1 44.6 66.8
119 33.6 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022771.D

Acq: 20 Jun 2025 18:16

Instrument :

MSVOA_Y

ClientSampleId :

72-11929

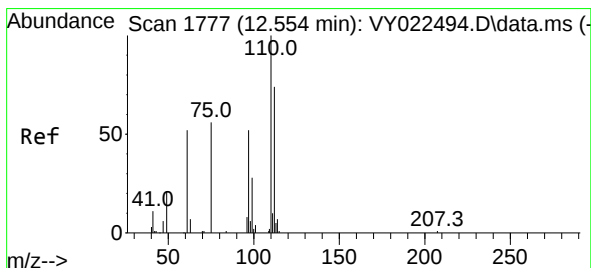
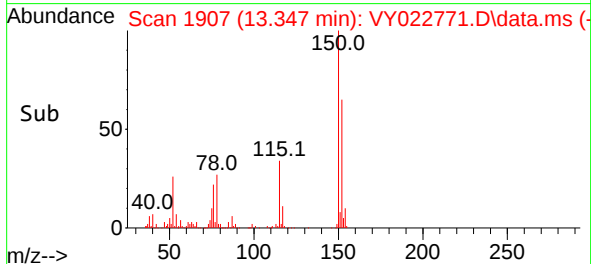
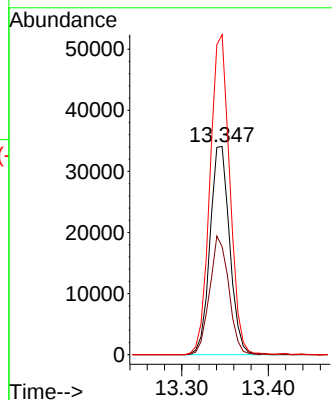
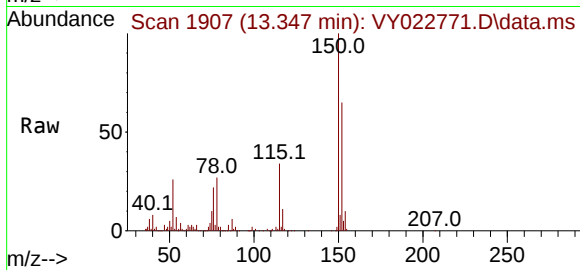
Tgt Ion:152 Resp: 53722

Ion Ratio Lower Upper

152 100

115 55.4 28.9 86.7

150 154.5 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 52.686 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022771.D

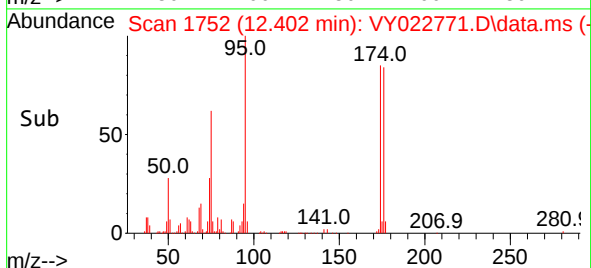
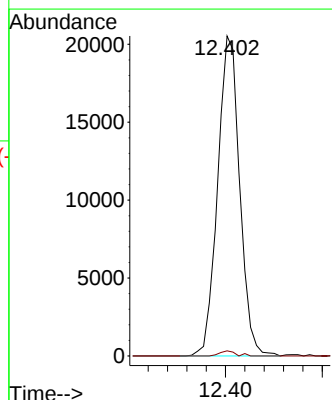
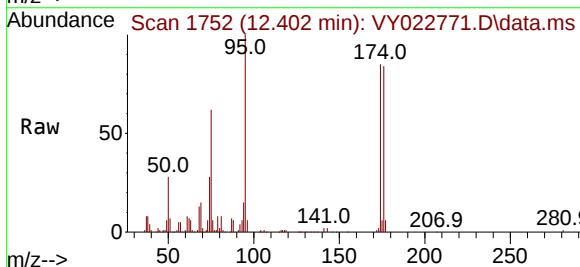
Acq: 20 Jun 2025 18:16

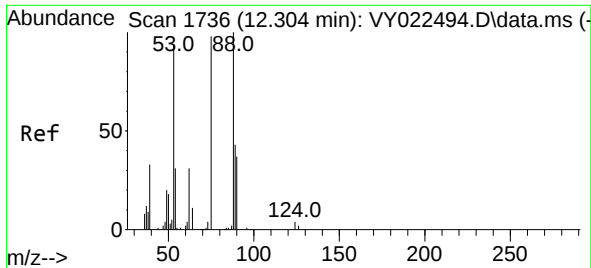
Tgt Ion: 75 Resp: 32381

Ion Ratio Lower Upper

75 100

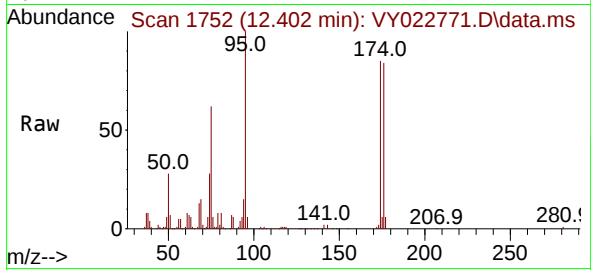
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.234 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022771.D
 Acq: 20 Jun 2025 18:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11929



Tgt Ion: 75 Resp: 32381
 Ion Ratio Lower Upper
 75 100
 53 0.3 78.5 117.7#
 89 0.0 35.7 53.5#

