

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022911.D
 Acq On : 02 Jul 2025 14:46
 Operator : SY/MD
 Sample : Q2486-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Jul 03 02:22:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

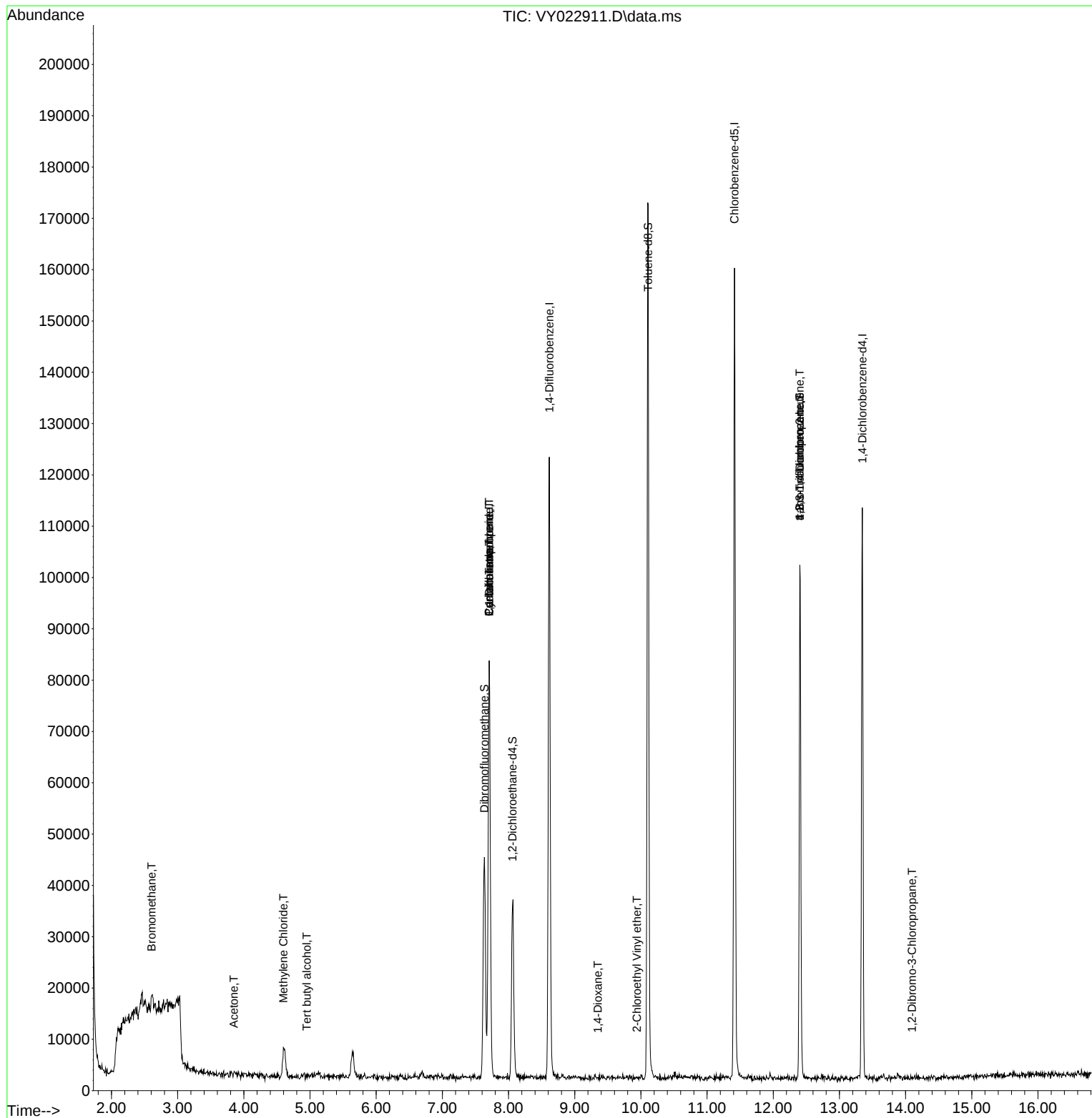
Internal Standards						
1) Pentafluorobenzene	7.707	168	60272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	99690	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	81427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	28323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	28648	42.587	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.180%
35) Dibromofluoromethane	7.634	113	31460	51.891	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.780%
50) Toluene-d8	10.109	98	111641	46.406	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.820%
62) 4-Bromofluorobenzene	12.402	95	32221	41.663	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.320%
Target Compounds						
					Qvalue	
5) Bromomethane	2.604	94	1769	1.830	ug/l	91
11) Tert butyl alcohol	4.952	59	45	1.006	ug/l #	1
16) Acetone	3.848	43	926	7.283	ug/l #	45
20) Methylene Chloride	4.598	84	3932	4.897	ug/l	91
31) Cyclohexane	7.707	56	1637	1.417	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	5613	6.108	ug/l #	50
38) Carbon Tetrachloride	7.707	117	5941	6.127	ug/l #	20
49) 1,4-Dioxane	9.347	88	48	10.823	ug/l #	24
58) 2-Chloroethyl Vinyl ether	9.939	63	22	15.715	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	17299	59.826	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	17299	151.145	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.096	75	61	1.066	ug/l #	2

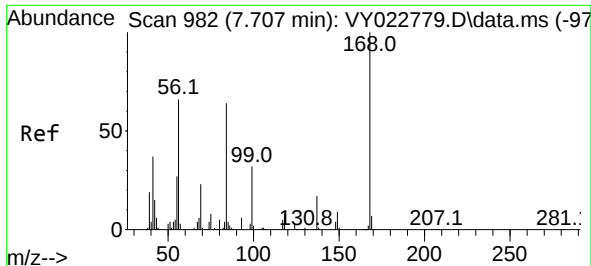
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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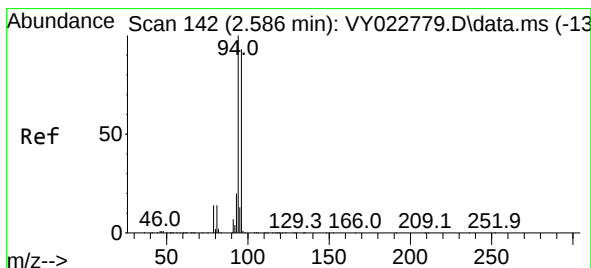
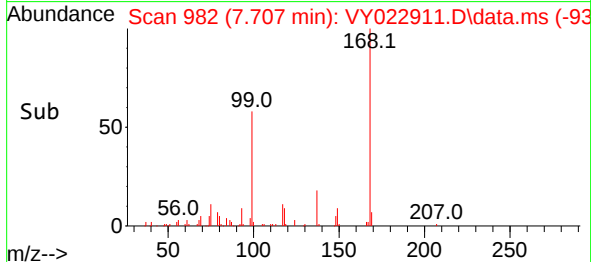
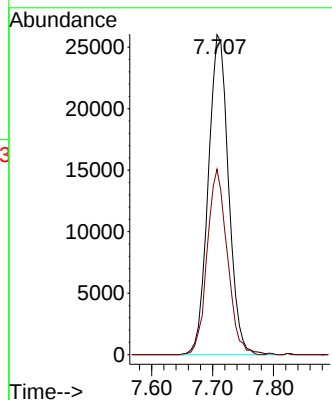
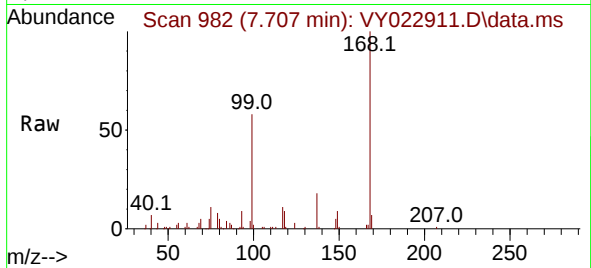




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022911.D
Acq: 02 Jul 2025 14:46

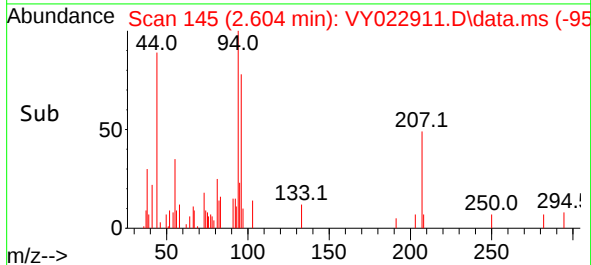
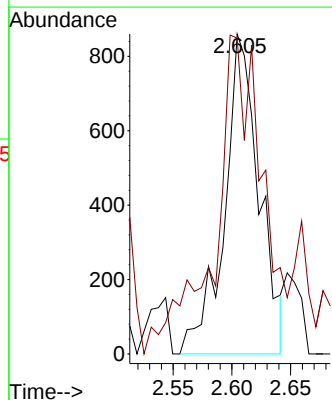
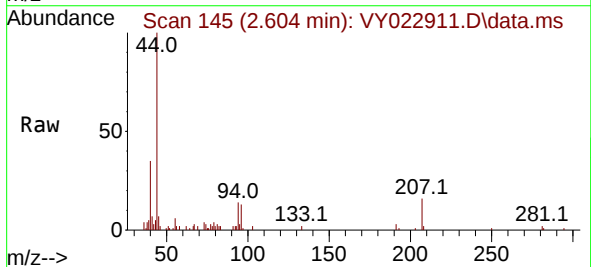
Instrument :
MSVOA_Y
ClientSampleId :
VOC

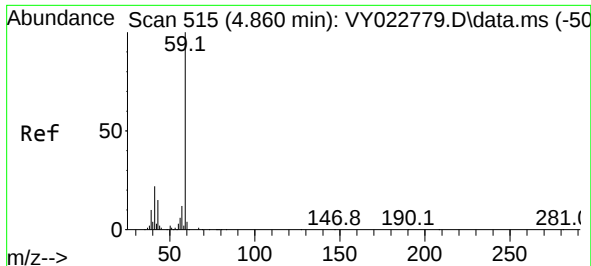
Tgt Ion:168 Resp: 60272
Ion Ratio Lower Upper
168 100
99 58.0 44.3 66.5



#5
Bromomethane
Concen: 1.830 ug/l
RT: 2.604 min Scan# 145
Delta R.T. 0.006 min
Lab File: VY022911.D
Acq: 02 Jul 2025 14:46

Tgt Ion: 94 Resp: 1769
Ion Ratio Lower Upper
94 100
96 83.7 74.0 111.0

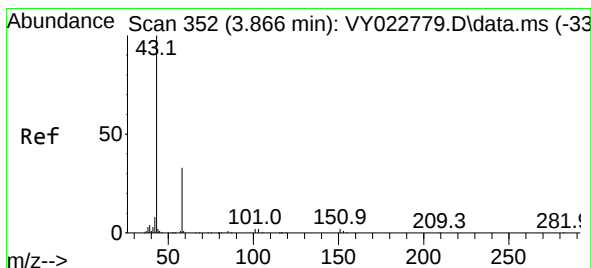
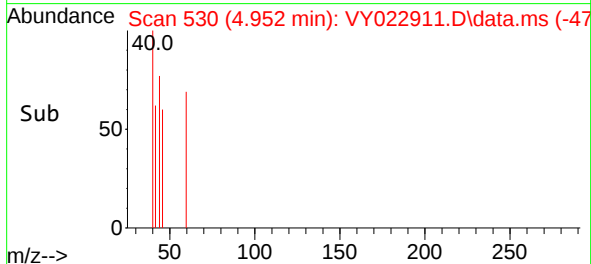
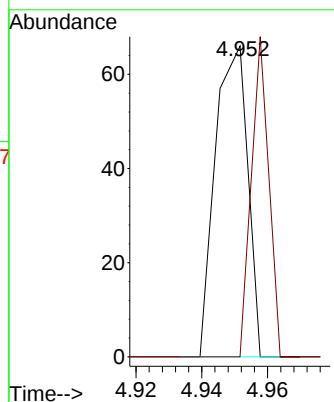
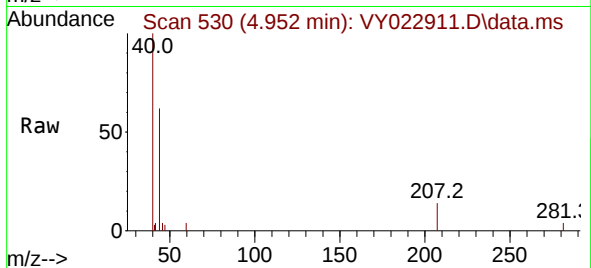




#11
Tert butyl alcohol
Concen: 1.006 ug/l
RT: 4.952 min Scan# 515
Delta R.T. 0.067 min
Lab File: VY022911.D
Acq: 02 Jul 2025 14:46

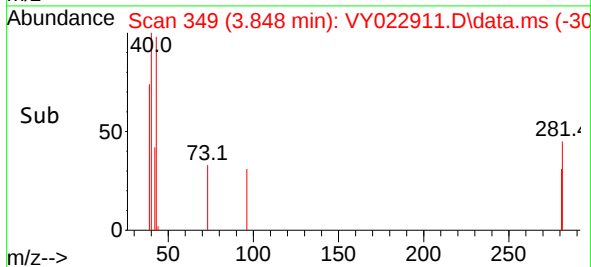
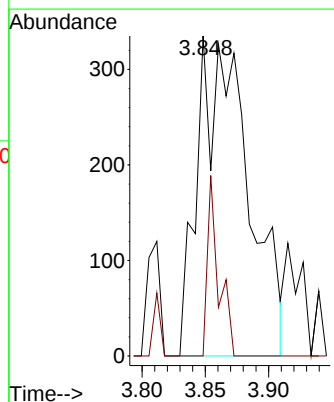
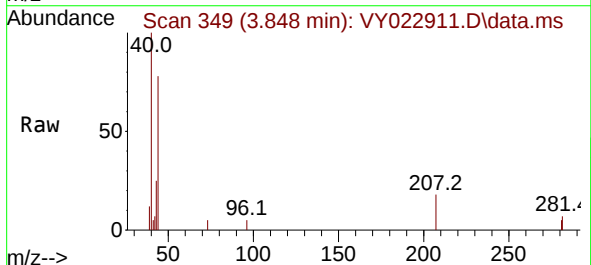
Instrument :
MSVOA_Y
ClientSampleId :
VOC

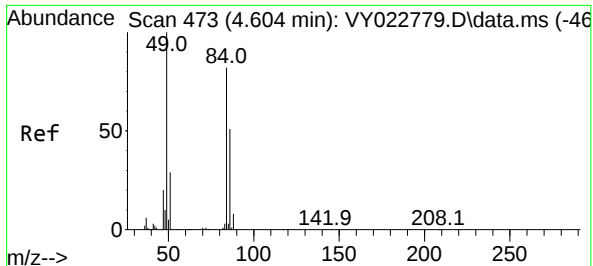
Tgt Ion: 59 Resp: 45
Ion Ratio Lower Upper
59 100
57 55.6 8.0 12.0#



#16
Acetone
Concen: 7.283 ug/l
RT: 3.848 min Scan# 349
Delta R.T. -0.031 min
Lab File: VY022911.D
Acq: 02 Jul 2025 14:46

Tgt Ion: 43 Resp: 926
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#

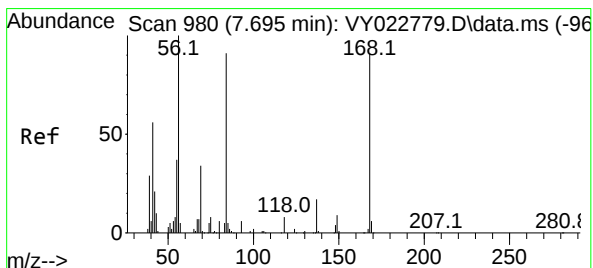
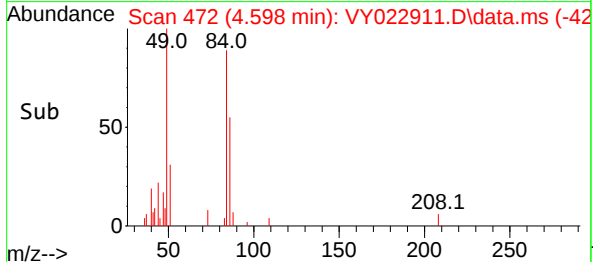
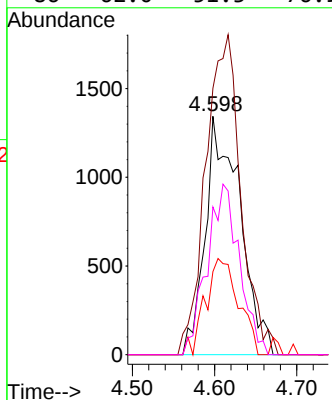
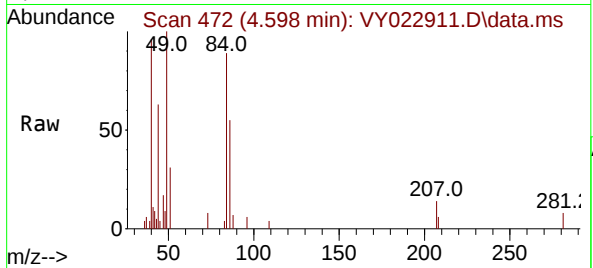




#20
Methylene Chloride
Concen: 4.897 ug/l
RT: 4.598 min Scan# 41
Delta R.T. -0.024 min
Lab File: VY022911.D
Acq: 02 Jul 2025 14:46

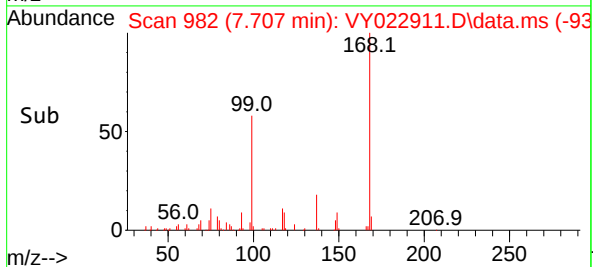
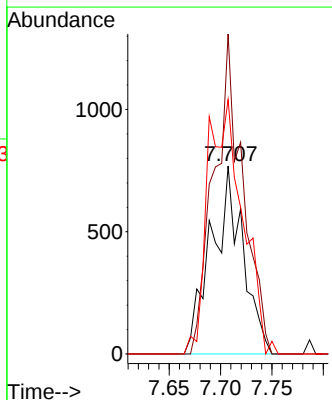
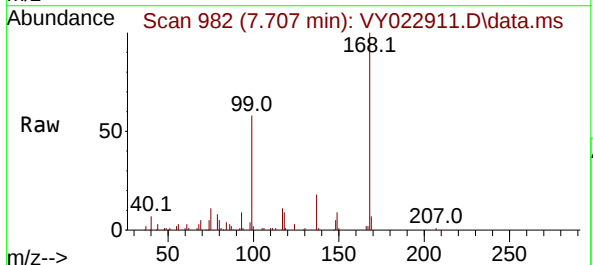
Instrument :
MSVOA_Y
ClientSampleId :
VOC

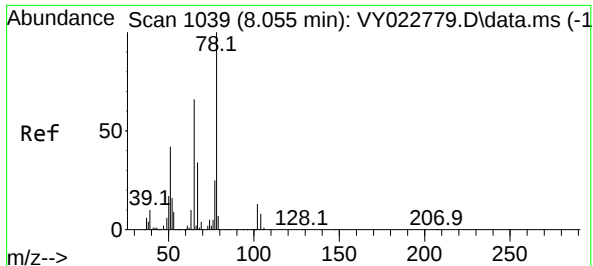
Tgt Ion:	84	Resp:	3932
Ion	Ratio	Lower	Upper
84	100		
49	111.8	101.9	152.9
51	34.8	29.8	44.8
86	62.0	51.3	76.9



#31
Cyclohexane
Concen: 1.417 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022911.D
Acq: 02 Jul 2025 14:46

Tgt Ion:	56	Resp:	1637
Ion	Ratio	Lower	Upper
56	100		
69	170.2	27.0	40.6#
84	135.4	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 42.587 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022911.D

Acq: 02 Jul 2025 14:46

Instrument :

MSVOA_Y

ClientSampleId :

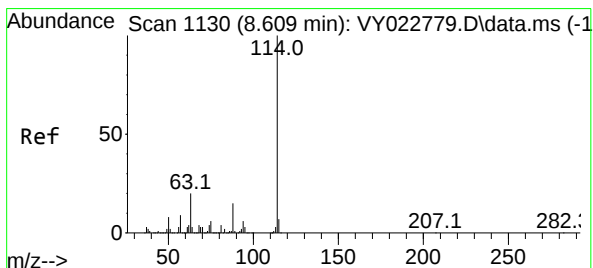
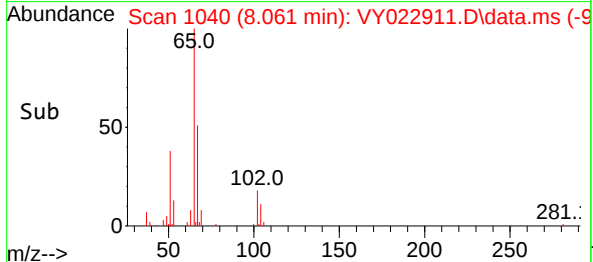
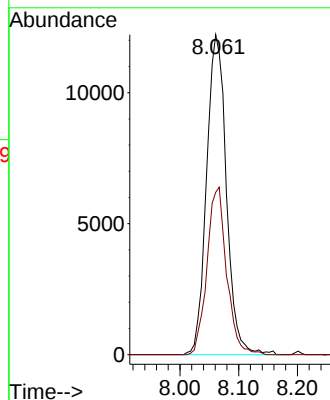
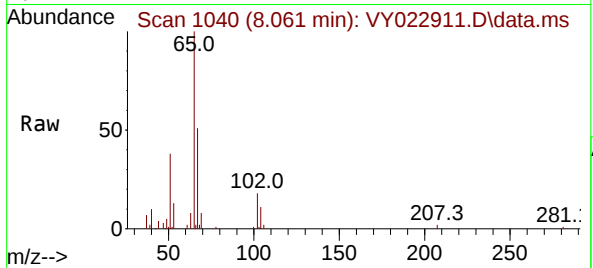
VOC

Tgt Ion: 65 Resp: 28648

Ion Ratio Lower Upper

65 100

67 51.8 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: VY022911.D

Acq: 02 Jul 2025 14:46

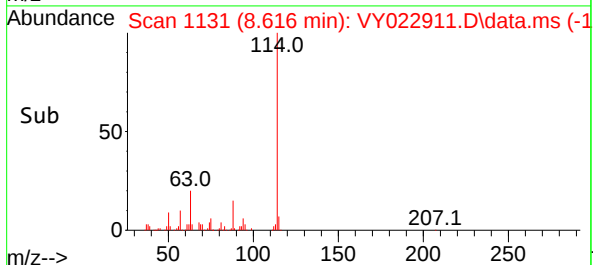
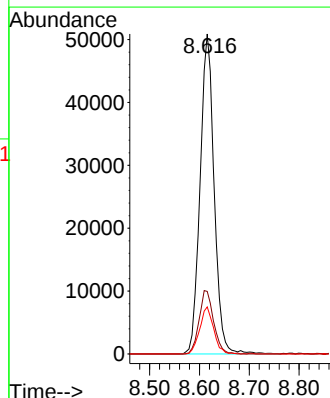
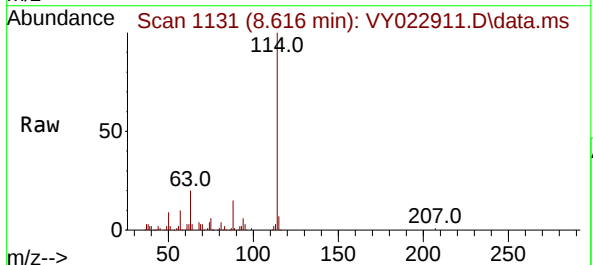
Tgt Ion: 114 Resp: 99690

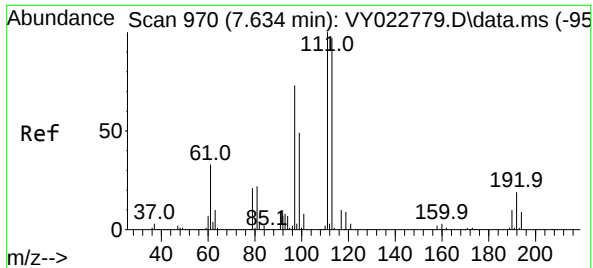
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 14.7 0.0 27.8

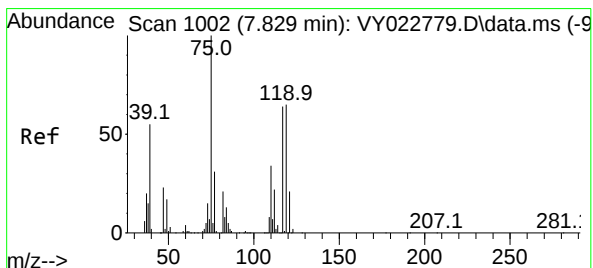
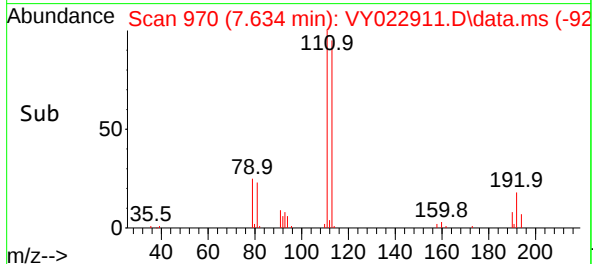
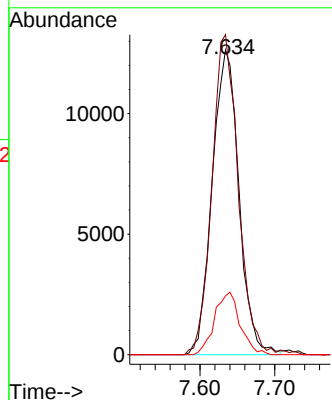
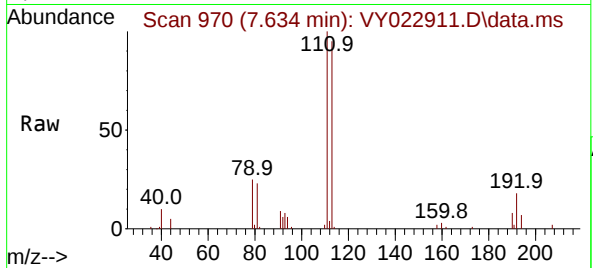




#35
 Dibromofluoromethane
 Concen: 51.891 ug/l
 RT: 7.634 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VY022911.D
 Acq: 02 Jul 2025 14:46

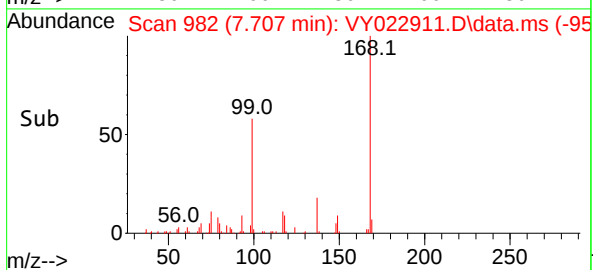
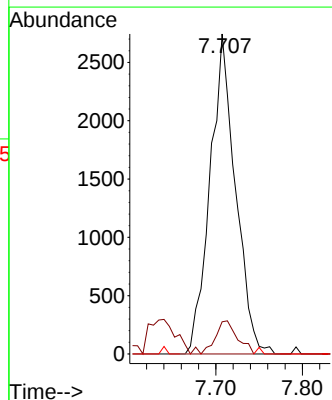
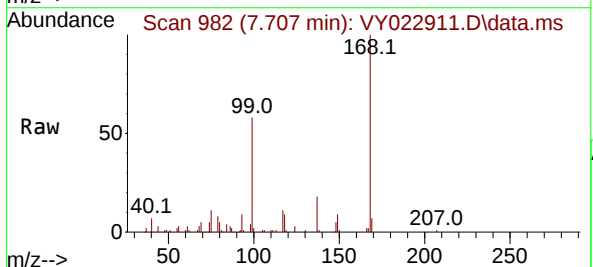
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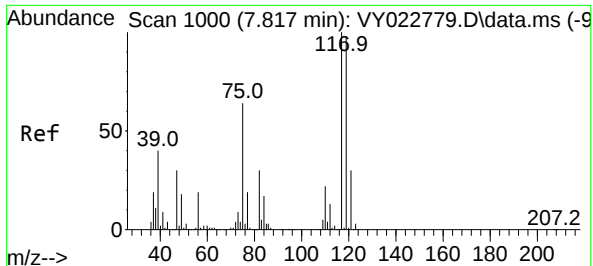
Tgt Ion:113 Resp: 31460
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.1 121.7
 192 19.5 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 6.108 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.134 min
 Lab File: VY022911.D
 Acq: 02 Jul 2025 14:46

Tgt Ion: 75 Resp: 5613
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.9 50.7#
 77 0.0 24.8 37.2#

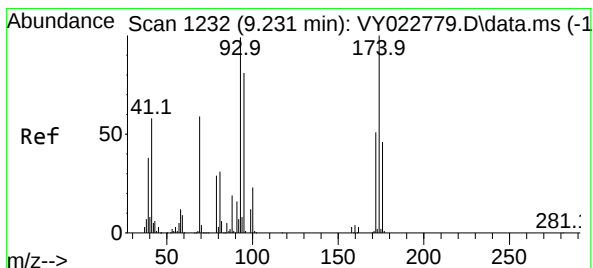
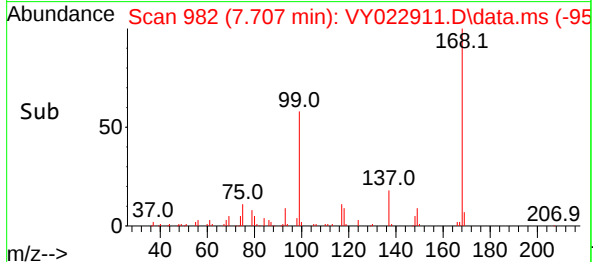
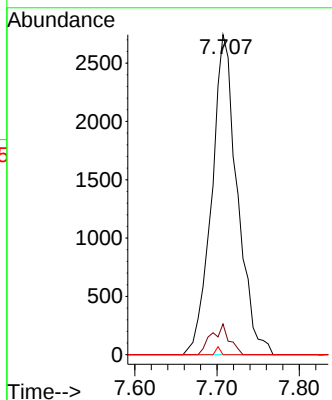
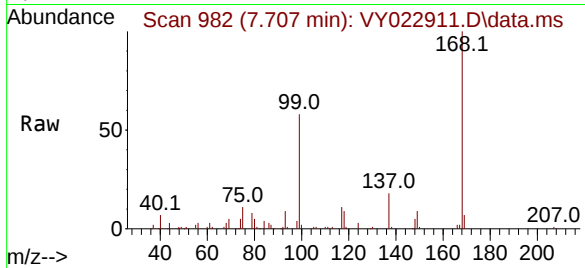




#38
Carbon Tetrachloride
Concen: 6.127 ug/l
RT: 7.707 min Scan# 911
Delta R.T. -0.116 min
Lab File: VY022911.D
Acq: 02 Jul 2025 14:46

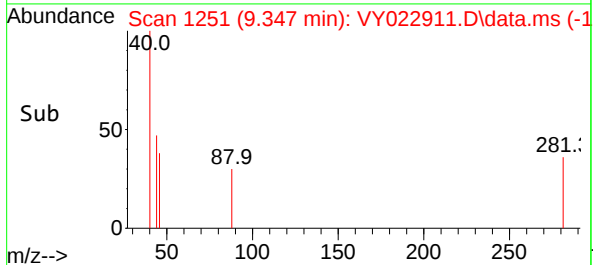
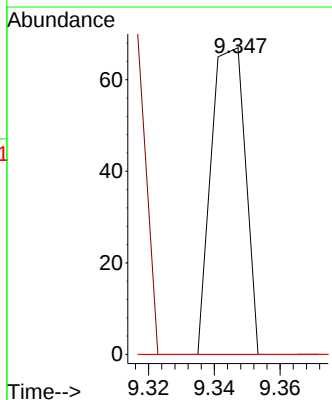
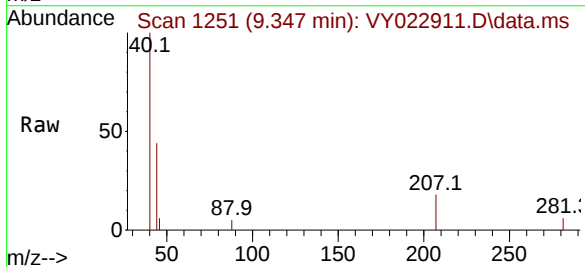
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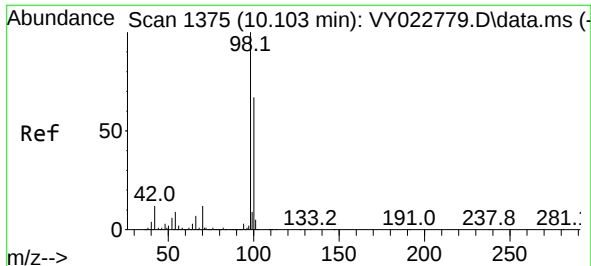
Tgt Ion:117 Resp: 5941
Ion Ratio Lower Upper
117 100
119 9.6 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 10.823 ug/l
RT: 9.347 min Scan# 1251
Delta R.T. 0.104 min
Lab File: VY022911.D
Acq: 02 Jul 2025 14:46

Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 0.0 25.4 38.2#
58 0.0 54.9 82.3#

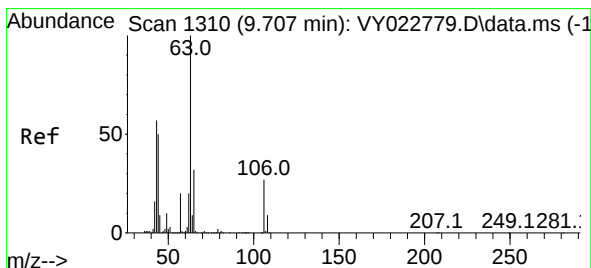
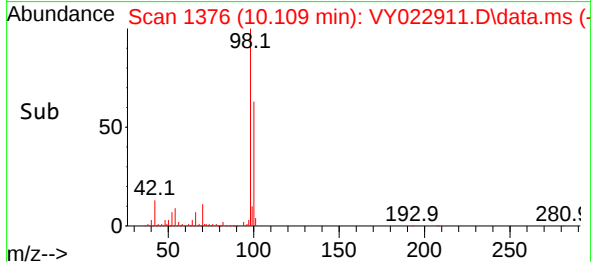
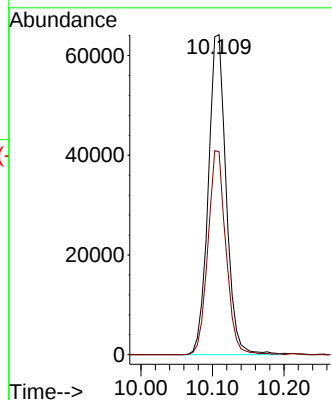
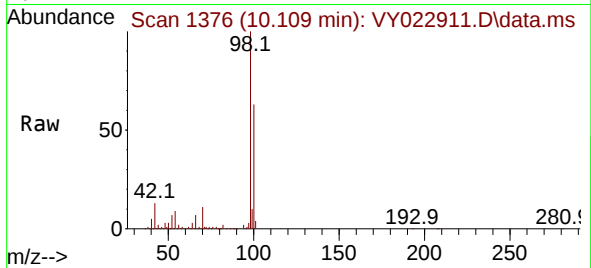




#50
Toluene-d8
Concen: 46.406 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022911.D
Acq: 02 Jul 2025 14:46

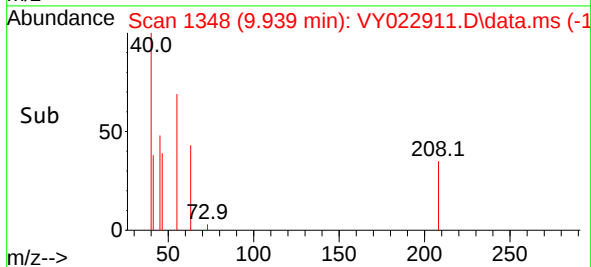
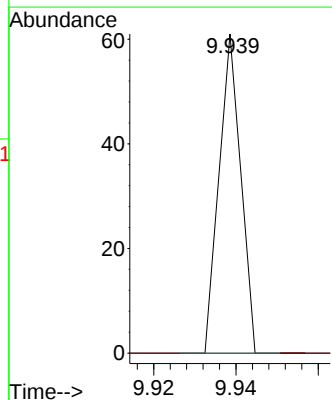
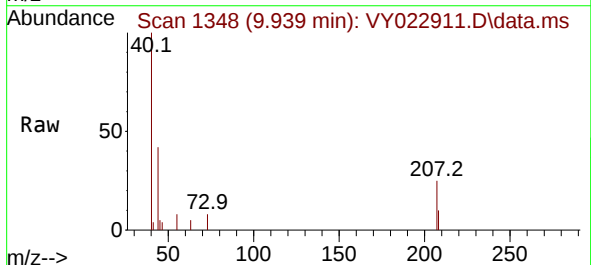
Instrument :
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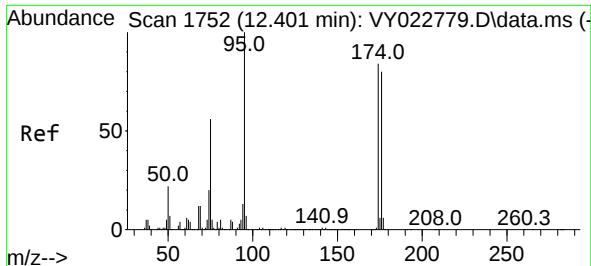
Tgt Ion: 98 Resp: 111641
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.715 ug/l
RT: 9.939 min Scan# 1348
Delta R.T. 0.226 min
Lab File: VY022911.D
Acq: 02 Jul 2025 14:46

Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

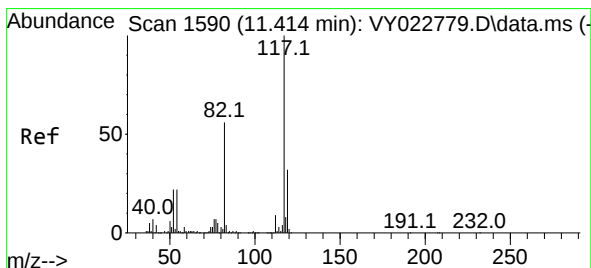
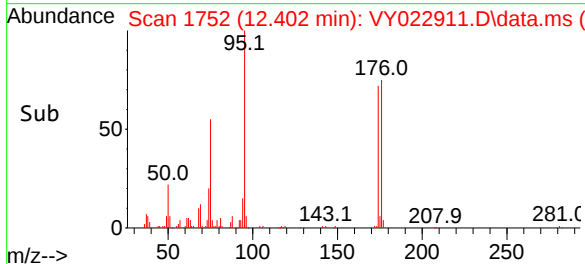
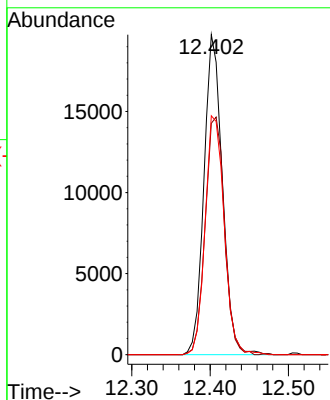
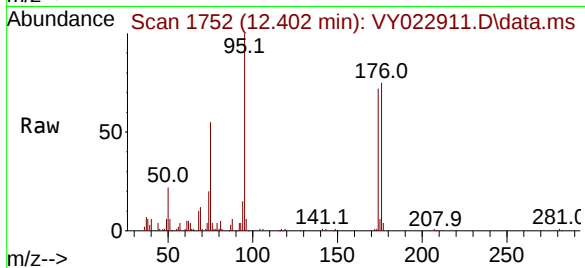




#62
4-Bromofluorobenzene
Concen: 41.663 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022911.D
Acq: 02 Jul 2025 14:46

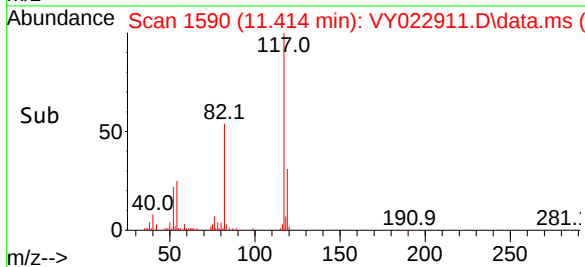
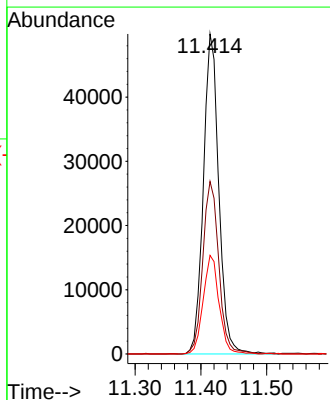
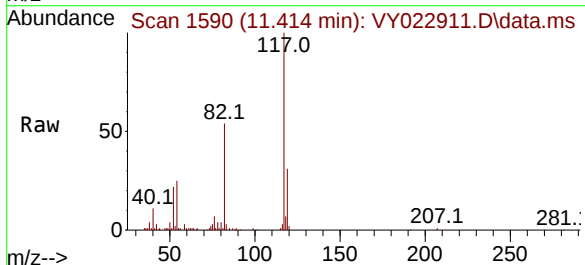
Instrument :
MSVOA_Y
ClientSampleId :
VOC

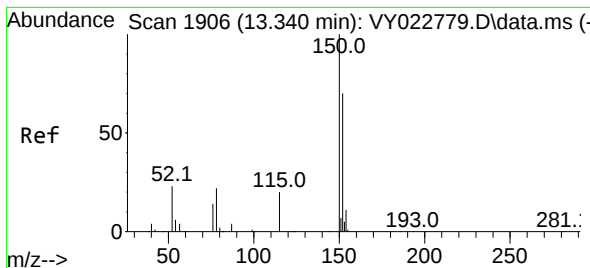
Tgt Ion: 95 Resp: 32221
Ion Ratio Lower Upper
95 100
174 77.5 0.0 170.0
176 77.5 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022911.D
Acq: 02 Jul 2025 14:46

Tgt Ion: 117 Resp: 81427
Ion Ratio Lower Upper
117 100
82 53.9 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# 1906

Delta R.T. -0.000 min

Lab File: VY022911.D

Acq: 02 Jul 2025 14:46

Instrument :

MSVOA_Y

ClientSampleId :

VOC

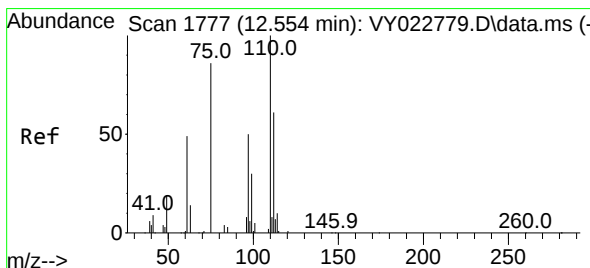
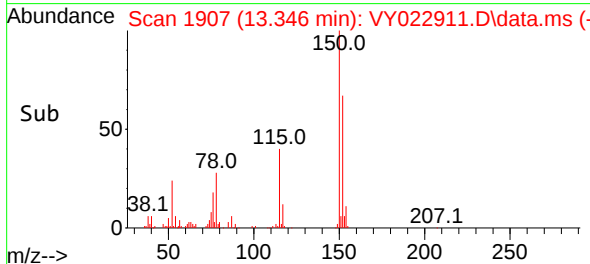
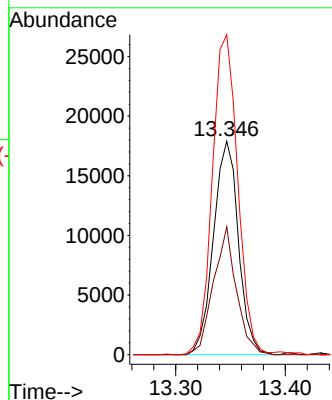
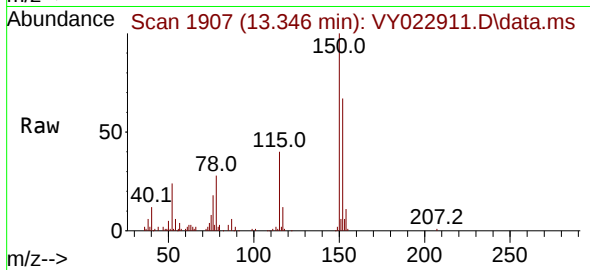
Tgt Ion:152 Resp: 28323

Ion Ratio Lower Upper

152 100

115 55.3 28.9 86.7

150 152.2 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 59.826 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022911.D

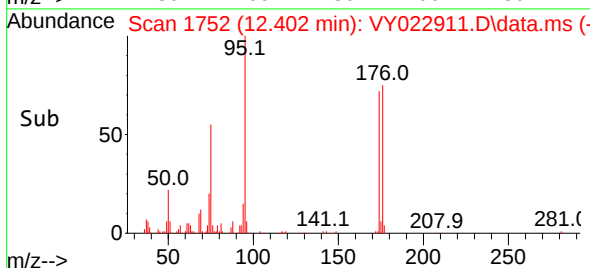
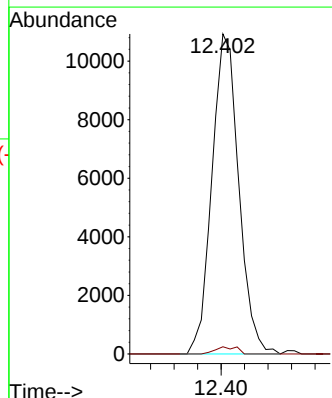
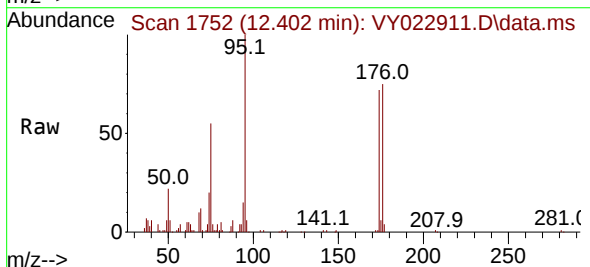
Acq: 02 Jul 2025 14:46

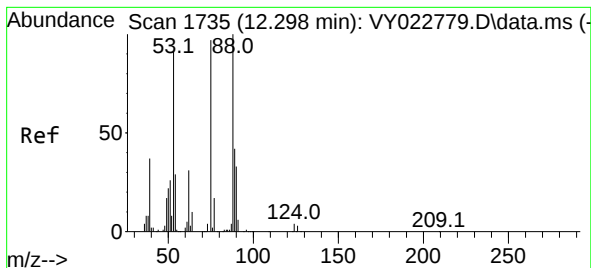
Tgt Ion: 75 Resp: 17299

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

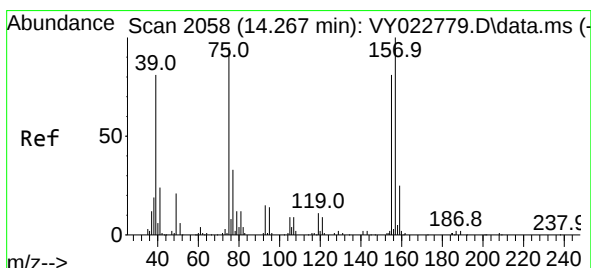
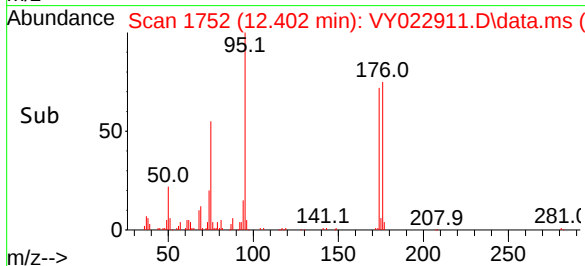
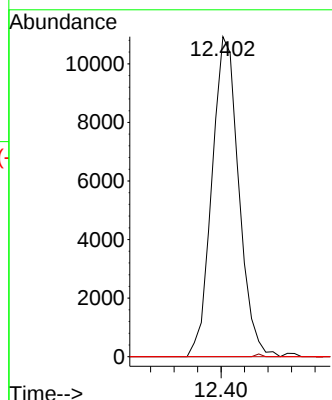
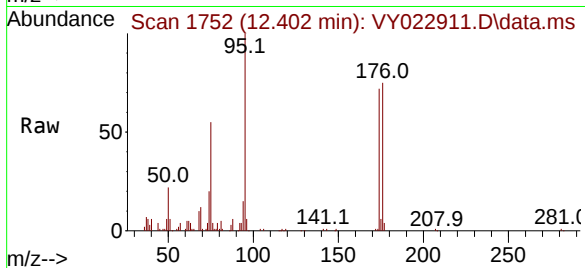




#81
trans-1,4-Dichloro-2-butene
Concen: 151.145 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY022911.D
Acq: 02 Jul 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 75 Resp: 17299
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.066 ug/l
RT: 14.096 min Scan# 2030
Delta R.T. -0.177 min
Lab File: VY022911.D
Acq: 02 Jul 2025 14:46

Tgt Ion: 75 Resp: 61
Ion Ratio Lower Upper
75 100
155 0.0 39.9 119.6#
157 0.0 54.0 162.0#

