

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022545.D
 Acq On : 04 Jun 2025 13:03
 Operator : SY/MD
 Sample : Q2182-01
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-06022025RE

Quant Time: Jun 05 04:14:26 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)

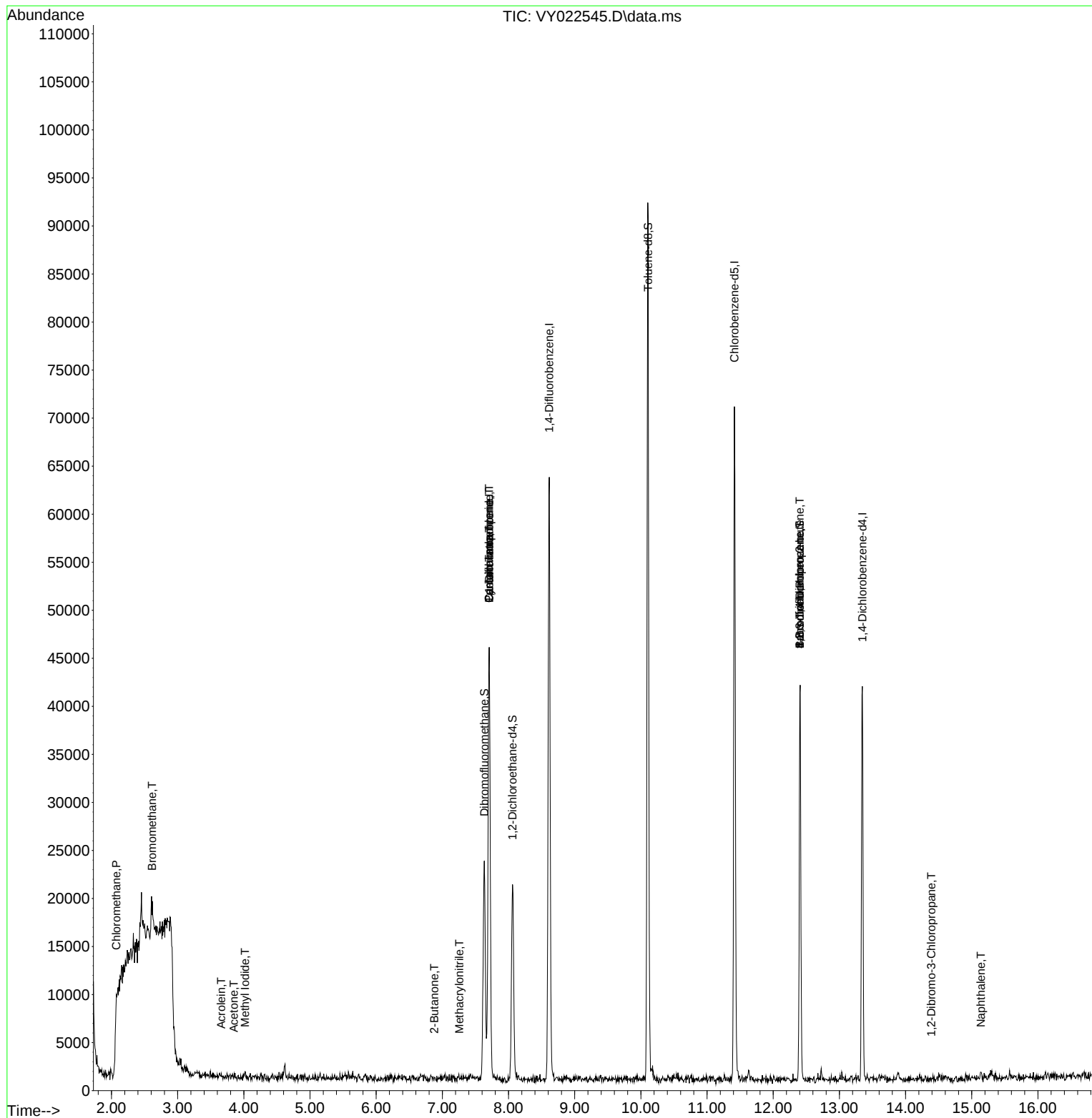
Internal Standards						
1) Pentafluorobenzene	7.707	168	33307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	52550	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	35151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	9867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	16642	44.674	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.340%
35) Dibromofluoromethane	7.634	113	14848	47.338	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.680%
50) Toluene-d8	10.109	98	57838	45.636	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.280%
62) 4-Bromofluorobenzene	12.401	95	11930	31.593	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	63.180%
Target Compounds						
					Qvalue	
3) Chloromethane	2.074	50	970	1.101	ug/l #	47
5) Bromomethane	2.610	94	2252	2.299	ug/l #	73
10) Methyl Iodide	4.019	142	501	1.267	ug/l #	89
13) Acrolein	3.659	56	59	1.779	ug/l #	14
16) Acetone	3.848	43	140	1.851	ug/l #	45
25) 2-Butanone	6.878	43	147	1.347	ug/l #	46
31) Cyclohexane	7.707	56	1052	1.470	ug/l #	34
36) 1,1-Dichloropropene	7.707	75	3117	6.123	ug/l #	48
38) Carbon Tetrachloride	7.707	117	3961	7.585	ug/l #	18
41) Methacrylonitrile	7.256	41	201	1.516	ug/l #	20
71) Bromoform	12.401	173	144	1.033	ug/l #	29
76) 1,2,3-Trichloropropane	12.401	75	6816	60.382	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	6816	145.818	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.389	75	44	2.273	ug/l #	2
95) Naphthalene	15.139	128	843	2.739	ug/l #	86

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022545.D
Acq On : 04 Jun 2025 13:03
Operator : SY/MD
Sample : Q2182-01
Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OR-03-06022025RE

Quant Time: Jun 05 04:14:26 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

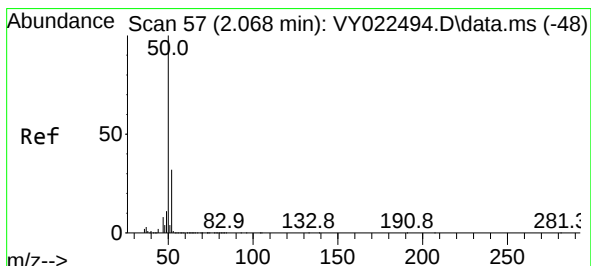
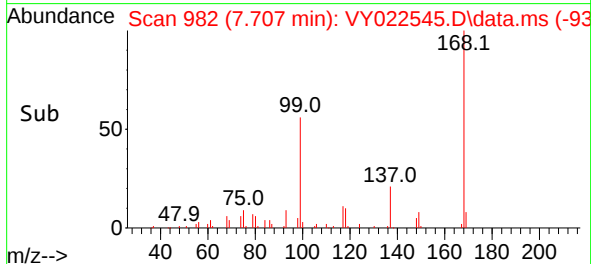
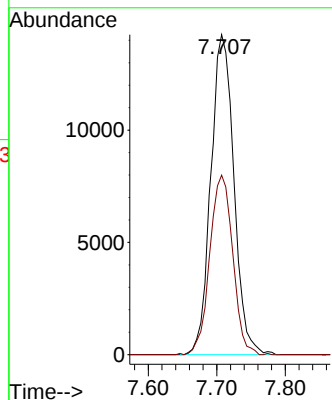
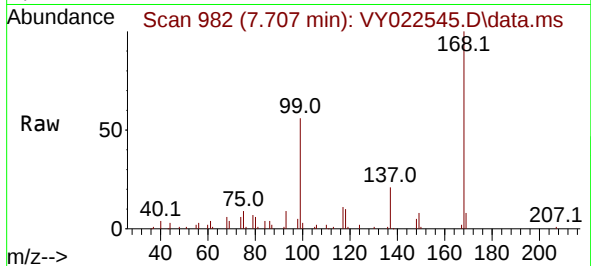




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

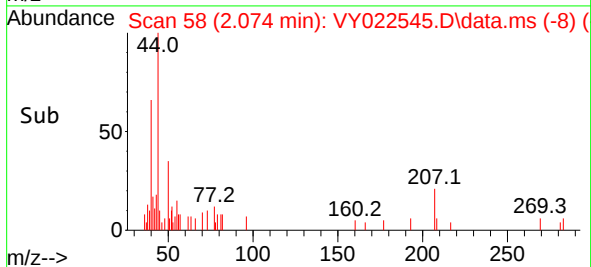
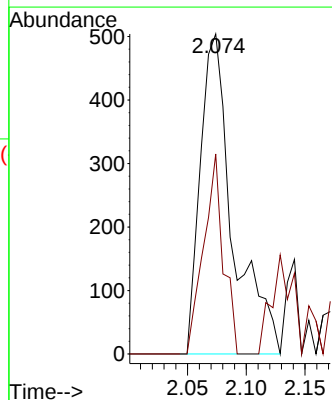
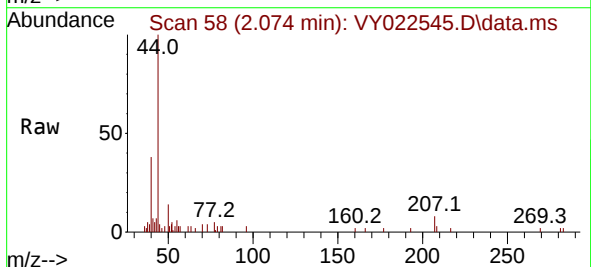
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-06022025RE

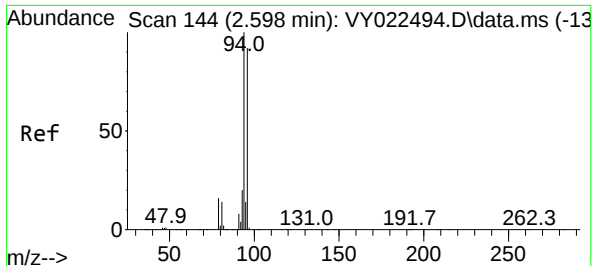
Tgt Ion:168 Resp: 33307
Ion Ratio Lower Upper
168 100
99 56.1 44.3 66.5



#3
Chloromethane
Concen: 1.101 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

Tgt Ion: 50 Resp: 970
Ion Ratio Lower Upper
50 100
52 62.5 26.0 39.0#

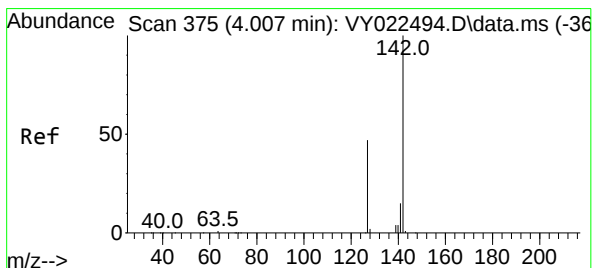
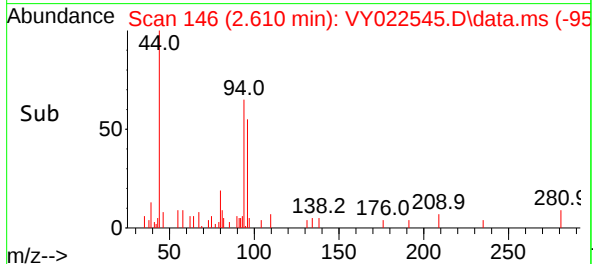
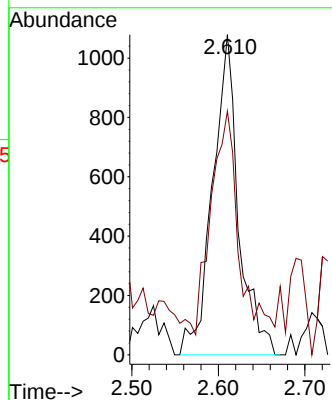
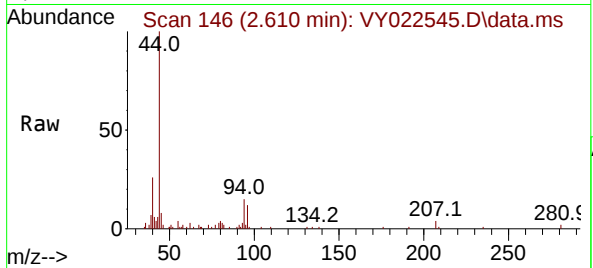




#5
Bromomethane
Concen: 2.299 ug/l
RT: 2.610 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

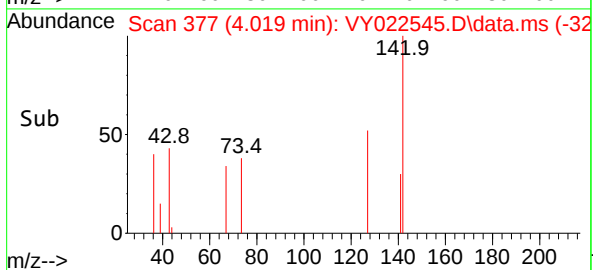
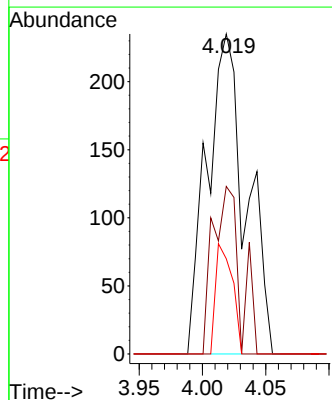
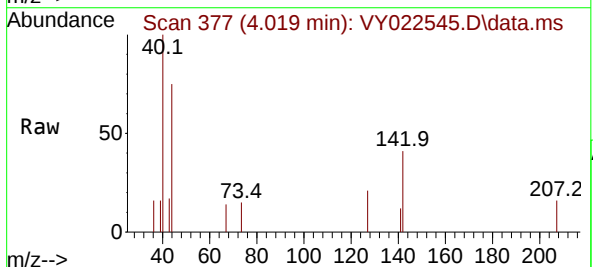
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-06022025RE

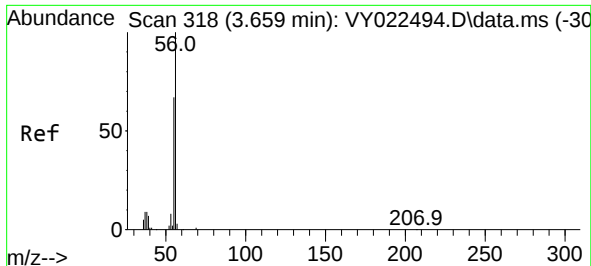
Tgt Ion: 94 Resp: 2252
Ion Ratio Lower Upper
94 100
96 66.3 74.0 111.0#



#10
Methyl Iodide
Concen: 1.267 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.012 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

Tgt Ion:142 Resp: 501
Ion Ratio Lower Upper
142 100
127 36.7 37.1 55.7#
141 14.8 11.4 17.2

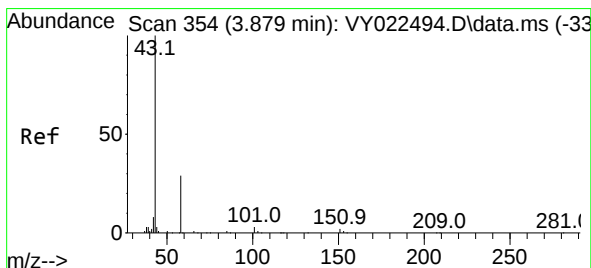
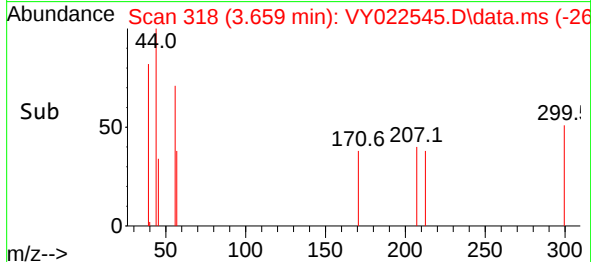
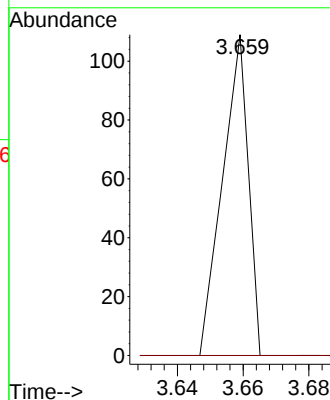
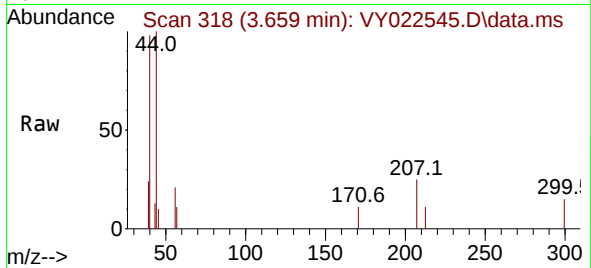




#13
Acrolein
Concen: 1.779 ug/l
RT: 3.659 min Scan# 318
Delta R.T. -0.000 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

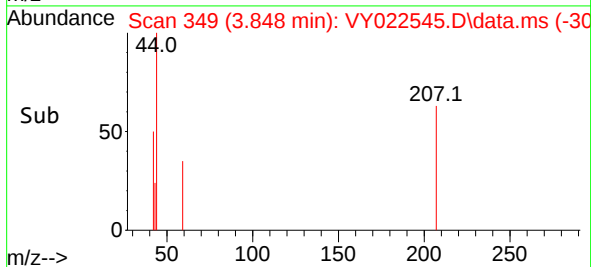
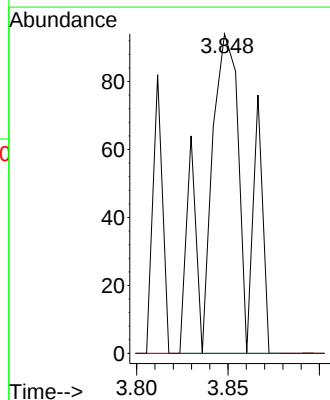
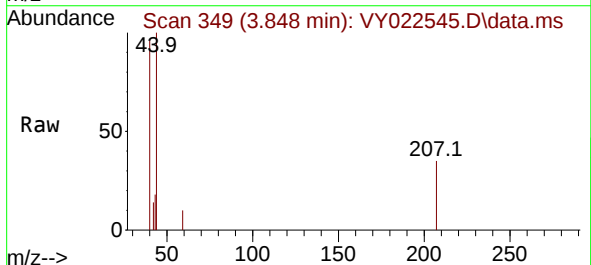
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-06022025RE

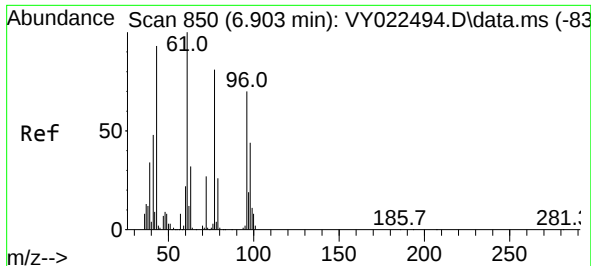
Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#



#16
Acetone
Concen: 1.851 ug/l
RT: 3.848 min Scan# 349
Delta R.T. -0.031 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

Tgt Ion: 43 Resp: 140
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#

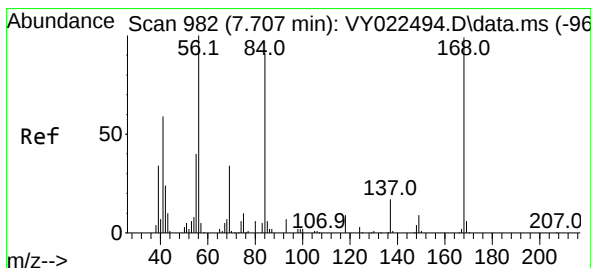
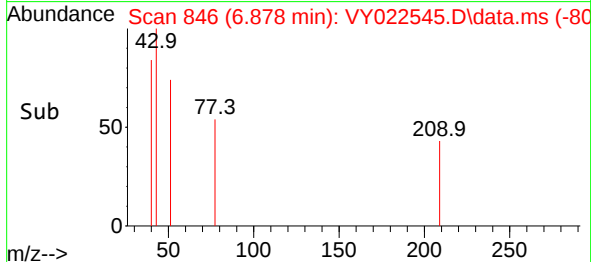
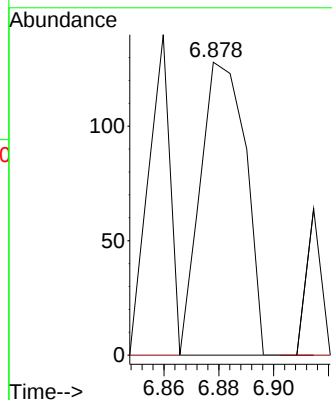
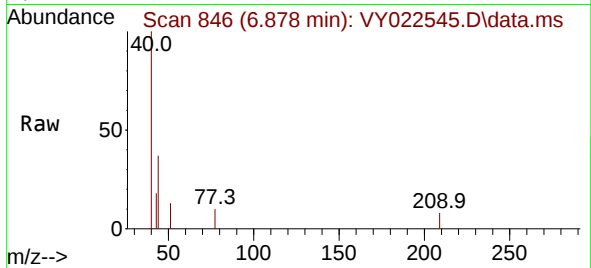




#25
2-Butanone
Concen: 1.347 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.025 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

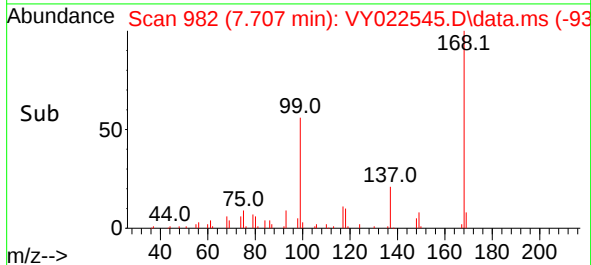
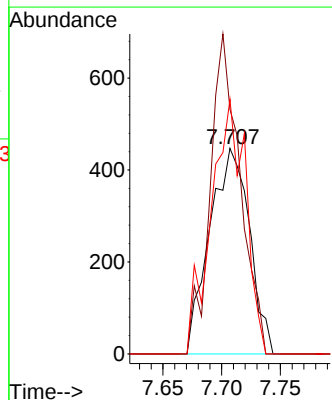
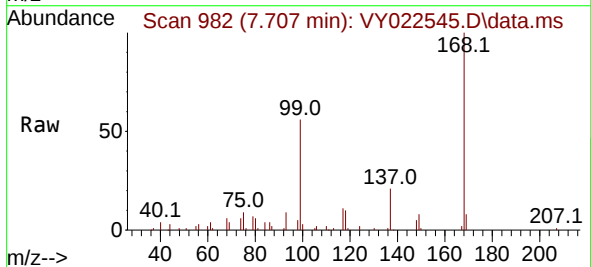
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-06022025RE

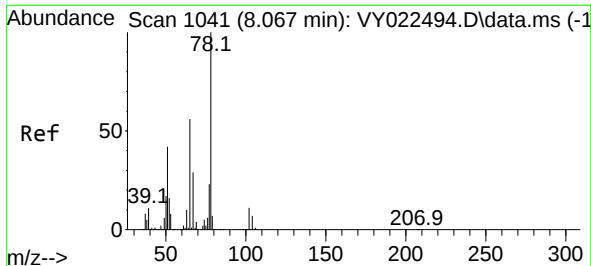
Tgt Ion: 43 Resp: 147
Ion Ratio Lower Upper
43 100
72 0.0 22.9 34.3#



#31
Cyclohexane
Concen: 1.470 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

Tgt Ion: 56 Resp: 1052
Ion Ratio Lower Upper
56 100
69 119.0 27.0 40.6#
84 123.9 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 44.674 ug/l

RT: 8.061 min Scan# 1041

Delta R.T. -0.006 min

Lab File: VY022545.D

Acq: 04 Jun 2025 13:03

Instrument :

MSVOA_Y

ClientSampleId :

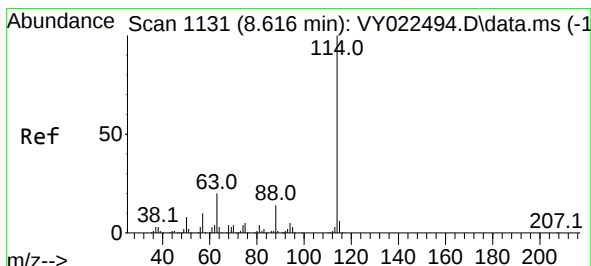
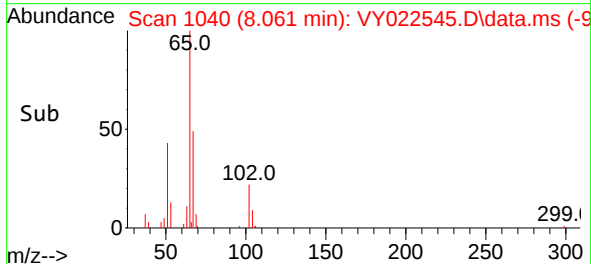
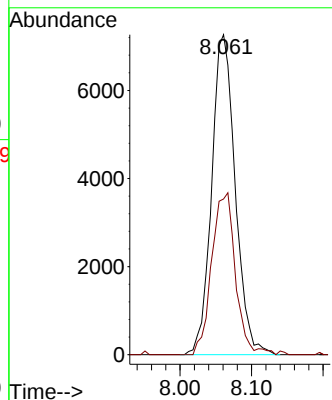
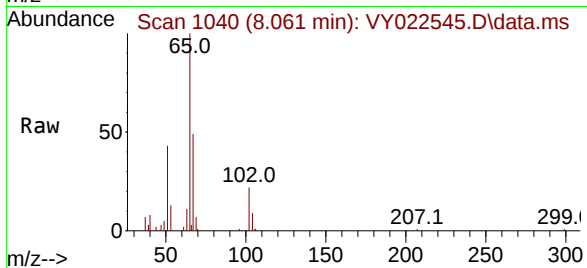
OR-03-06022025RE

Tgt Ion: 65 Resp: 16642

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022545.D

Acq: 04 Jun 2025 13:03

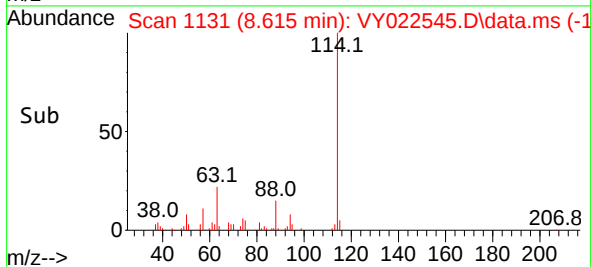
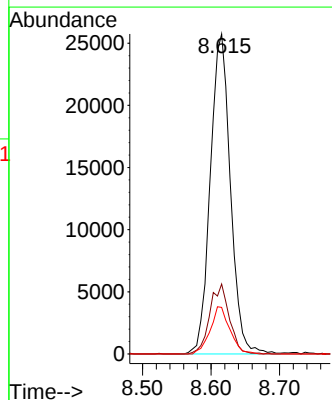
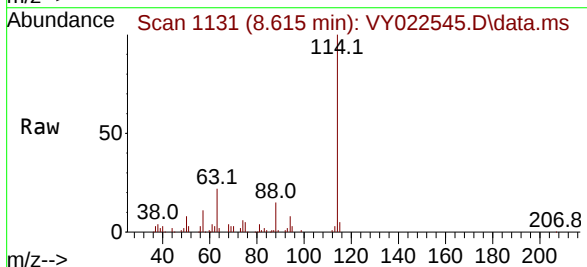
Tgt Ion: 114 Resp: 52550

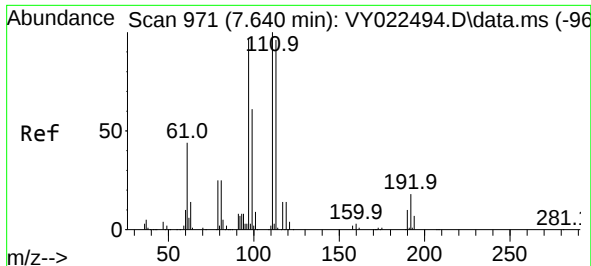
Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.8

88 14.5 0.0 27.8





#35

Dibromofluoromethane

Concen: 47.338 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022545.D

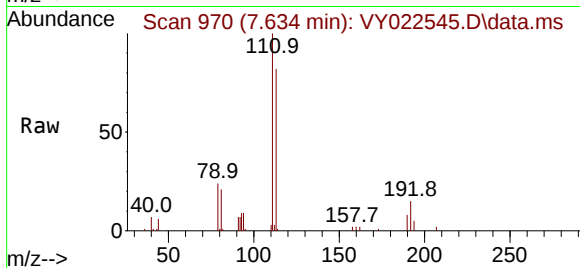
Acq: 04 Jun 2025 13:03

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-06022025RE



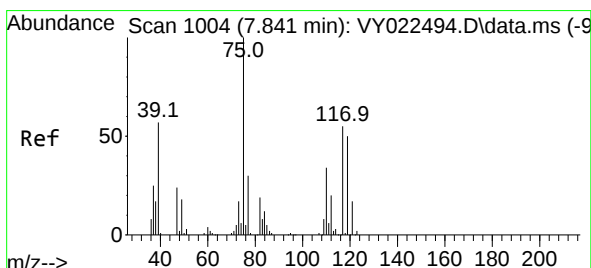
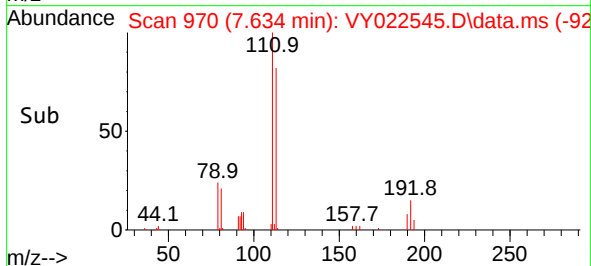
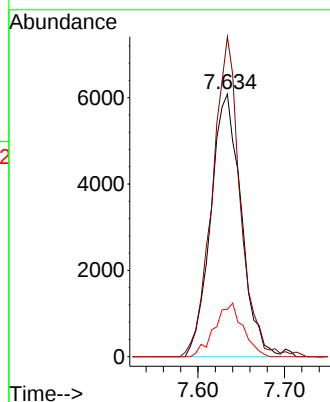
Tgt Ion:113 Resp: 14848

Ion Ratio Lower Upper

113 100

111 111.4 81.1 121.7

192 18.9 14.2 21.2



#36

1,1-Dichloropropene

Concen: 6.123 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022545.D

Acq: 04 Jun 2025 13:03

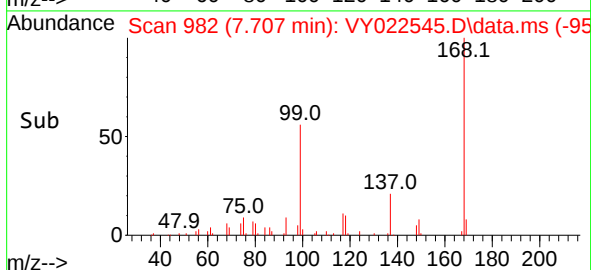
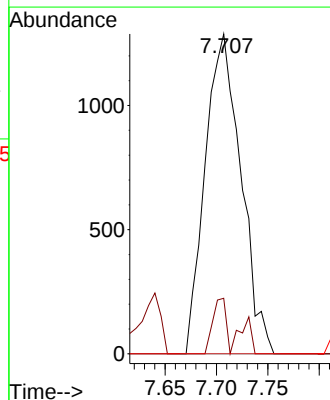
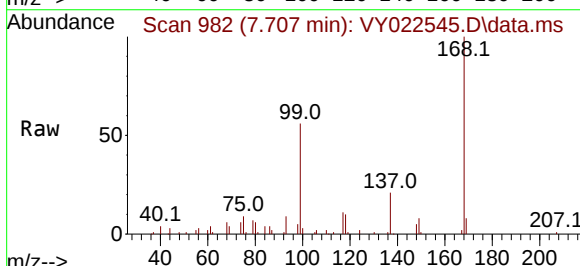
Tgt Ion: 75 Resp: 3117

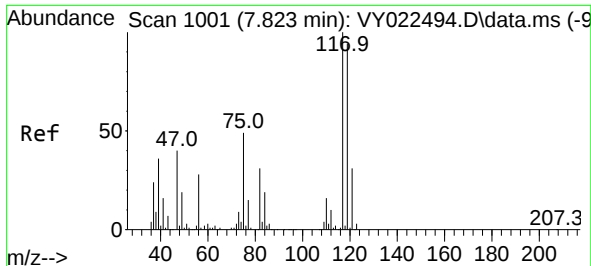
Ion Ratio Lower Upper

75 100

110 6.4 16.9 50.7#

77 0.0 24.8 37.2#

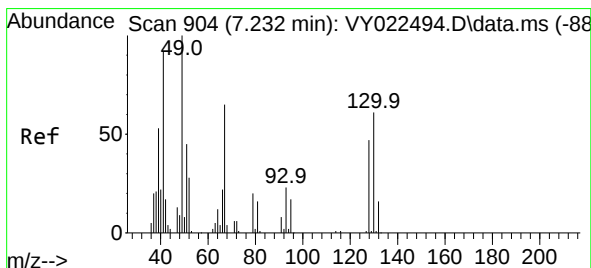
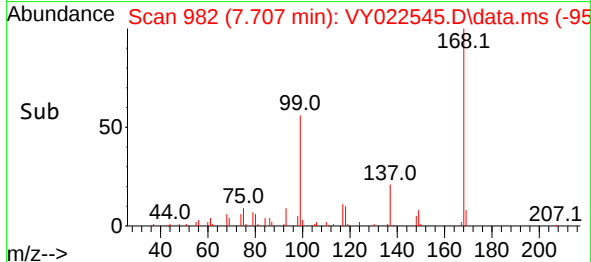
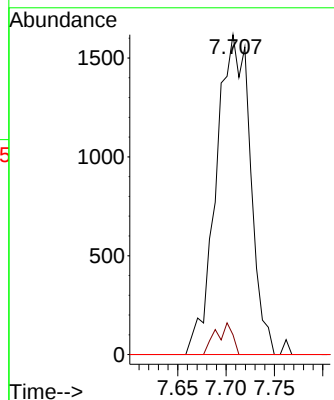
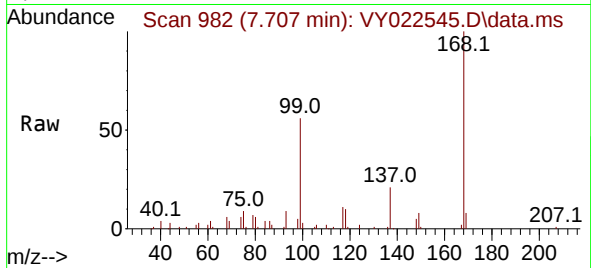




#38
Carbon Tetrachloride
Concen: 7.585 ug/l
RT: 7.707 min Scan# 911
Delta R.T. -0.116 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

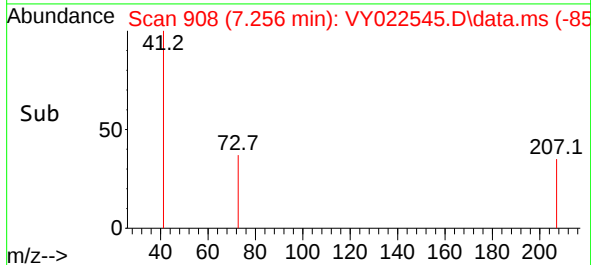
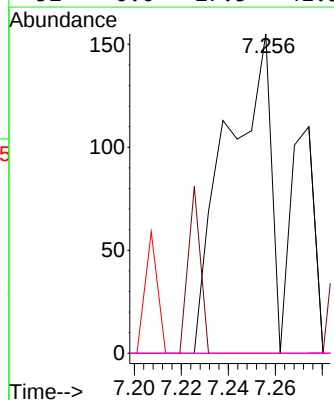
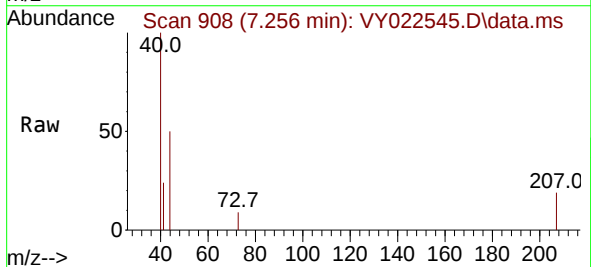
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-06022025RE

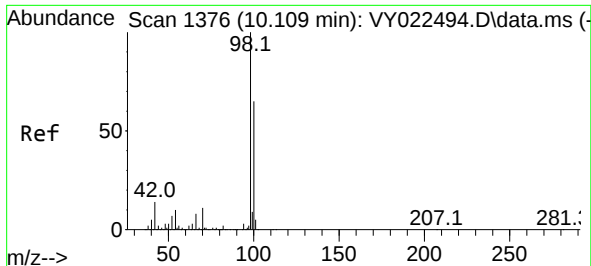
Tgt Ion: 117 Resp: 3961
Ion Ratio Lower Upper
117 100
119 6.2 75.0 112.6#
121 0.0 25.0 37.4#



#41
Methacrylonitrile
Concen: 1.516 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.024 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

Tgt Ion: 41 Resp: 201
Ion Ratio Lower Upper
41 100
39 0.0 46.6 69.8#
67 0.0 63.3 94.9#
52 0.0 27.5 41.3#

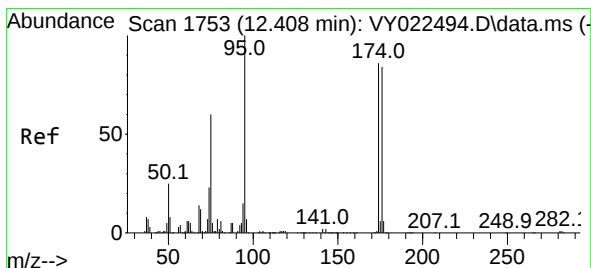
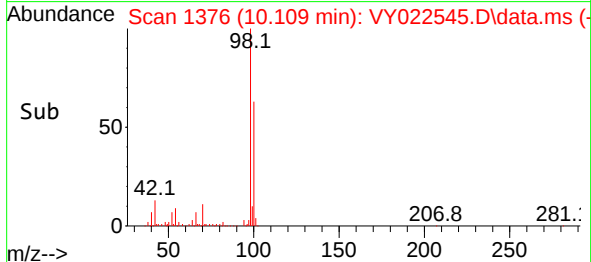
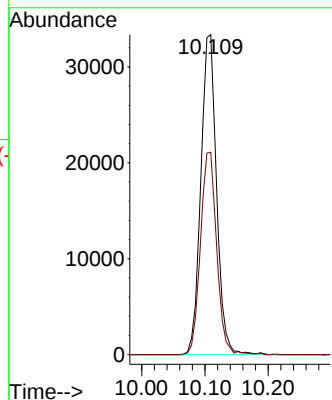
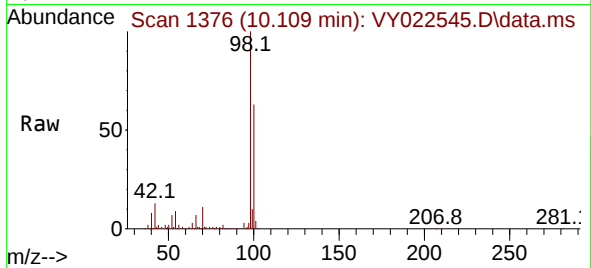




#50
Toluene-d8
Concen: 45.636 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

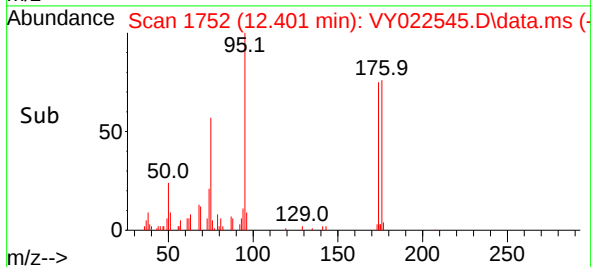
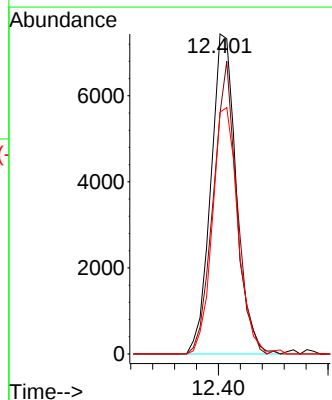
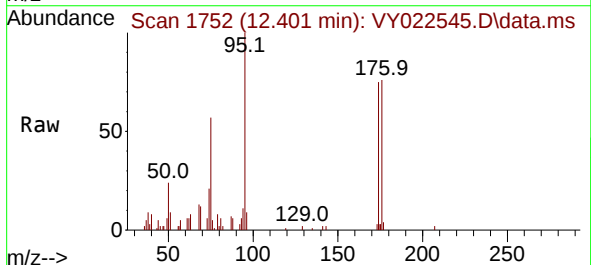
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-06022025RE

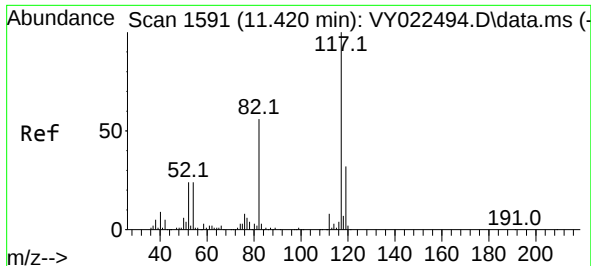
Tgt Ion: 98 Resp: 57838
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 31.593 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

Tgt Ion: 95 Resp: 11930
Ion Ratio Lower Upper
95 100
174 85.1 0.0 170.0
176 77.9 0.0 166.2

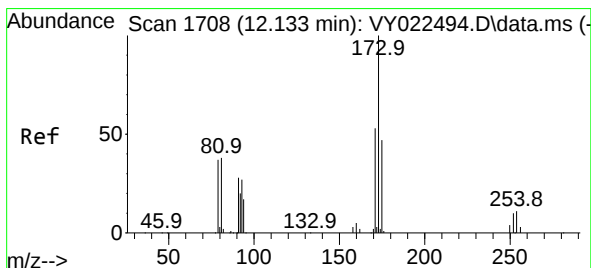
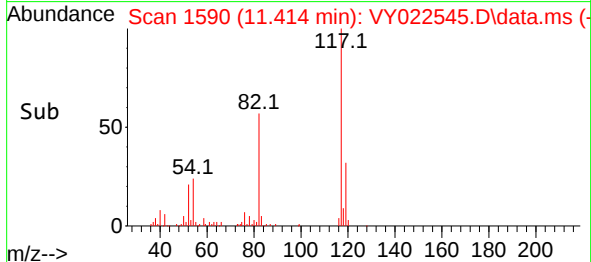
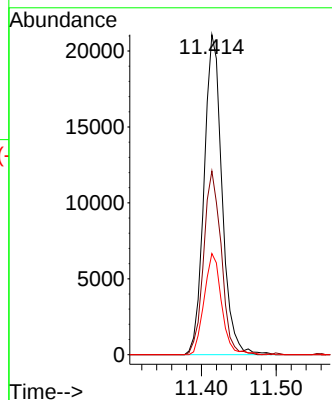
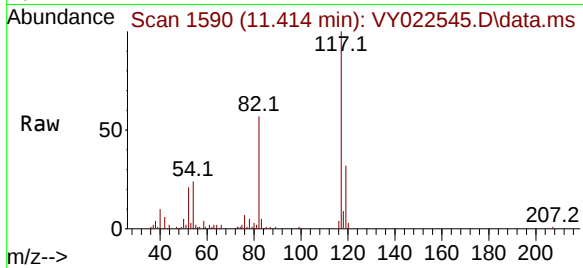




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

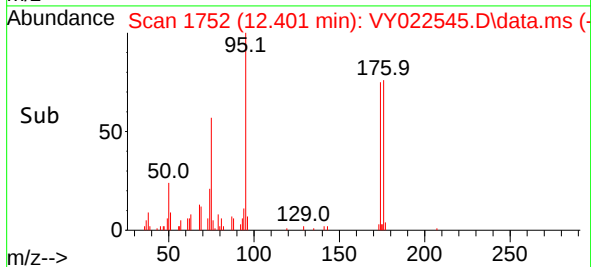
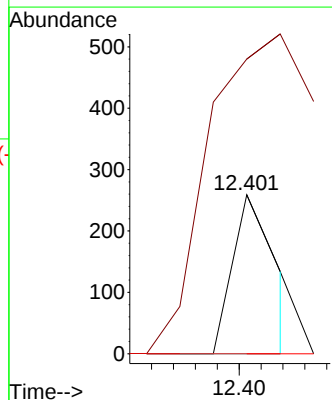
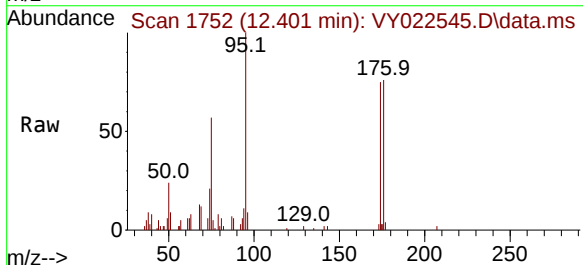
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-06022025RE

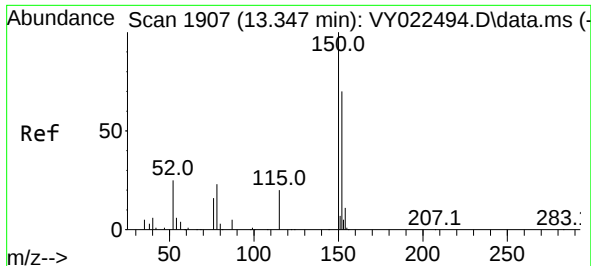
Tgt Ion:	117	Resp:	35151
Ion Ratio	Lower	Upper	
117	100		
82	57.4	44.6	66.8
119	31.6	25.4	38.0



#71
Bromoform
Concen: 1.033 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.268 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

Tgt Ion:	173	Resp:	144
Ion Ratio	Lower	Upper	
173	100		
175	0.0	23.8	71.5#
254	0.0	0.0	0.0

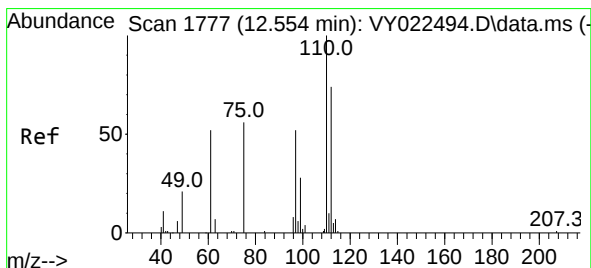
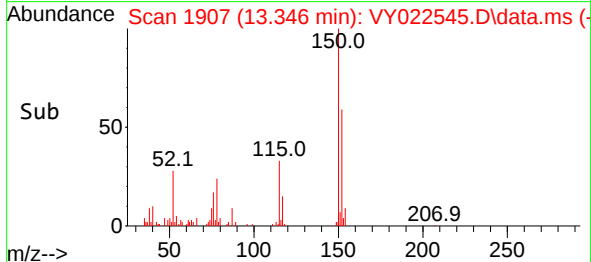
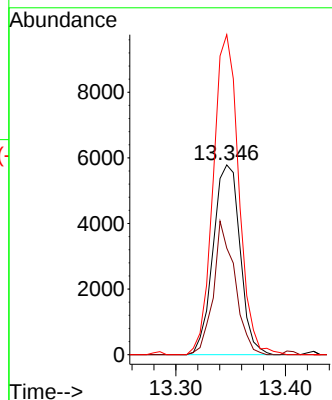
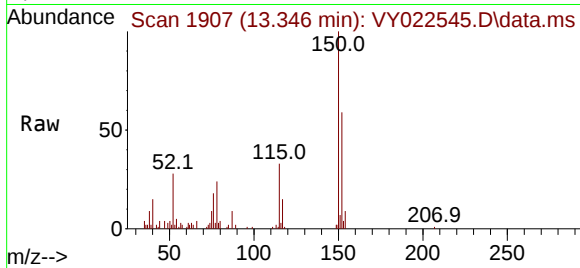




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022545.D
 Acq: 04 Jun 2025 13:03

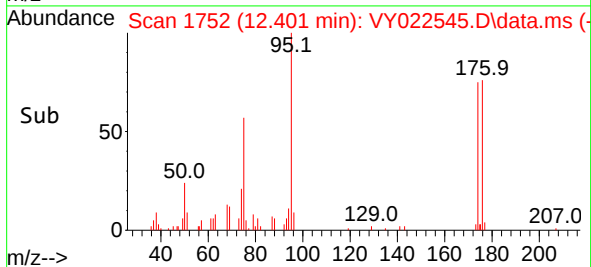
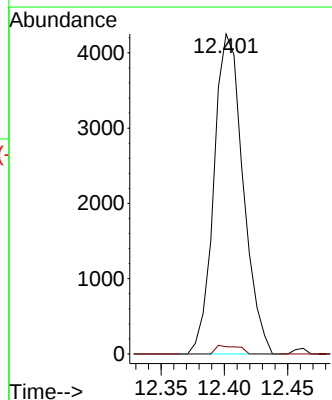
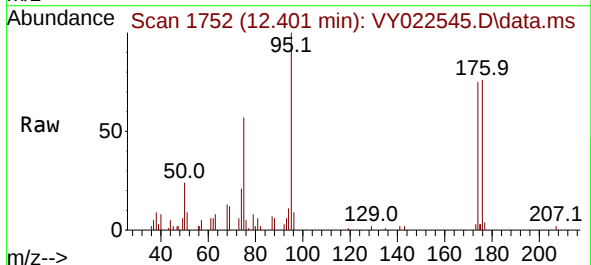
Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-06022025RE

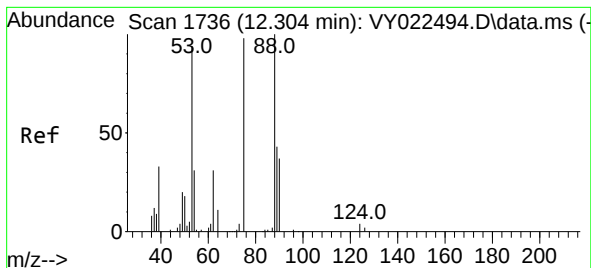
Tgt Ion:152 Resp: 9867
 Ion Ratio Lower Upper
 152 100
 115 56.0 28.9 86.7
 150 160.1 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 60.382 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022545.D
 Acq: 04 Jun 2025 13:03

Tgt Ion: 75 Resp: 6816
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#

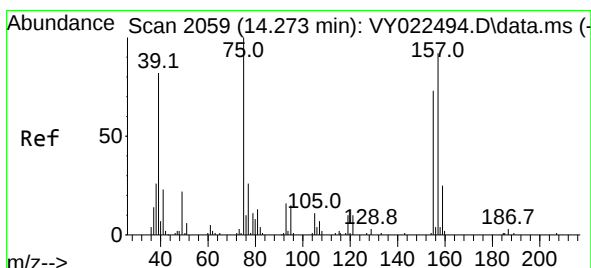
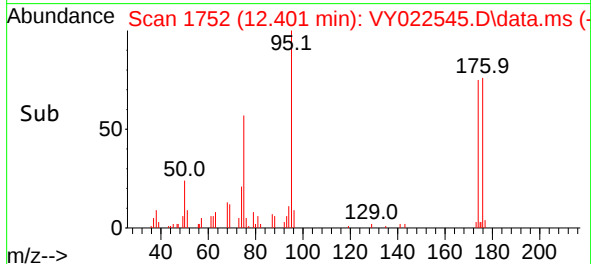
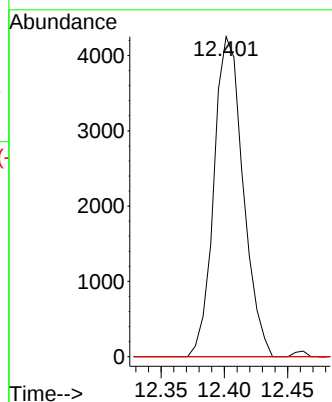
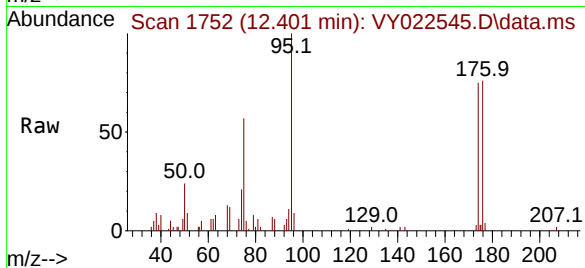




#81
trans-1,4-Dichloro-2-butene
Concen: 145.818 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

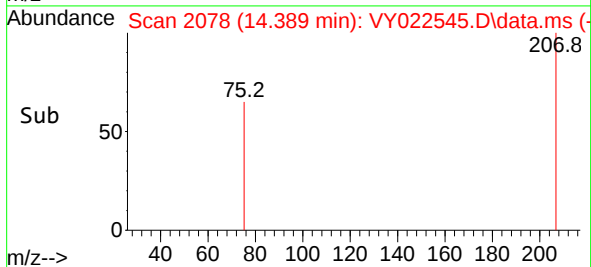
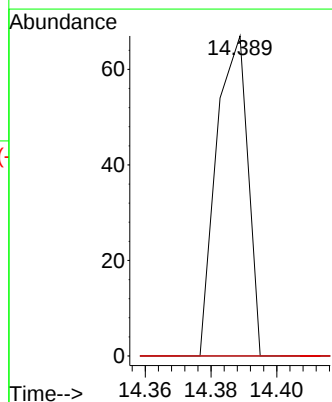
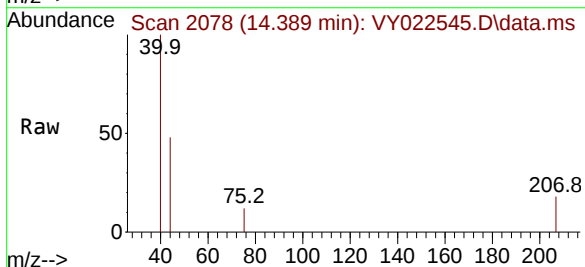
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-06022025RE

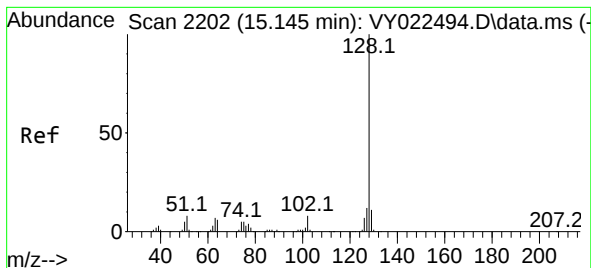
Tgt Ion: 75 Resp: 6816
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.273 ug/l
RT: 14.389 min Scan# 2078
Delta R.T. 0.116 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

Tgt Ion: 75 Resp: 44
Ion Ratio Lower Upper
75 100
155 0.0 39.9 119.6#
157 0.0 54.0 162.0#





#95

Naphthalene

Concen: 2.739 ug/l

RT: 15.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY022545.D

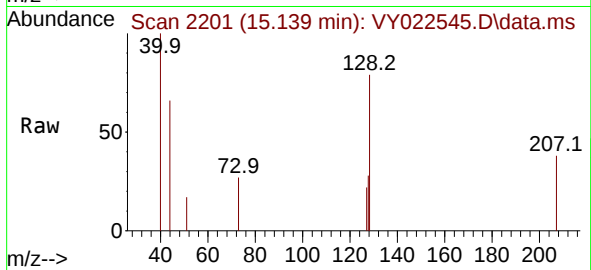
Acq: 04 Jun 2025 13:03

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-06022025RE



Tgt Ion:128 Resp: 843

Ion Ratio Lower Upper

128 100

127 7.7 10.4 15.6#

129 5.1 8.9 13.3#

