

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
 Data File : VY023194.D
 Acq On : 22 Aug 2025 15:48
 Operator : SY/MD
 Sample : Q2916-01
 Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-08202025RE

Quant Time: Aug 25 05:18:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

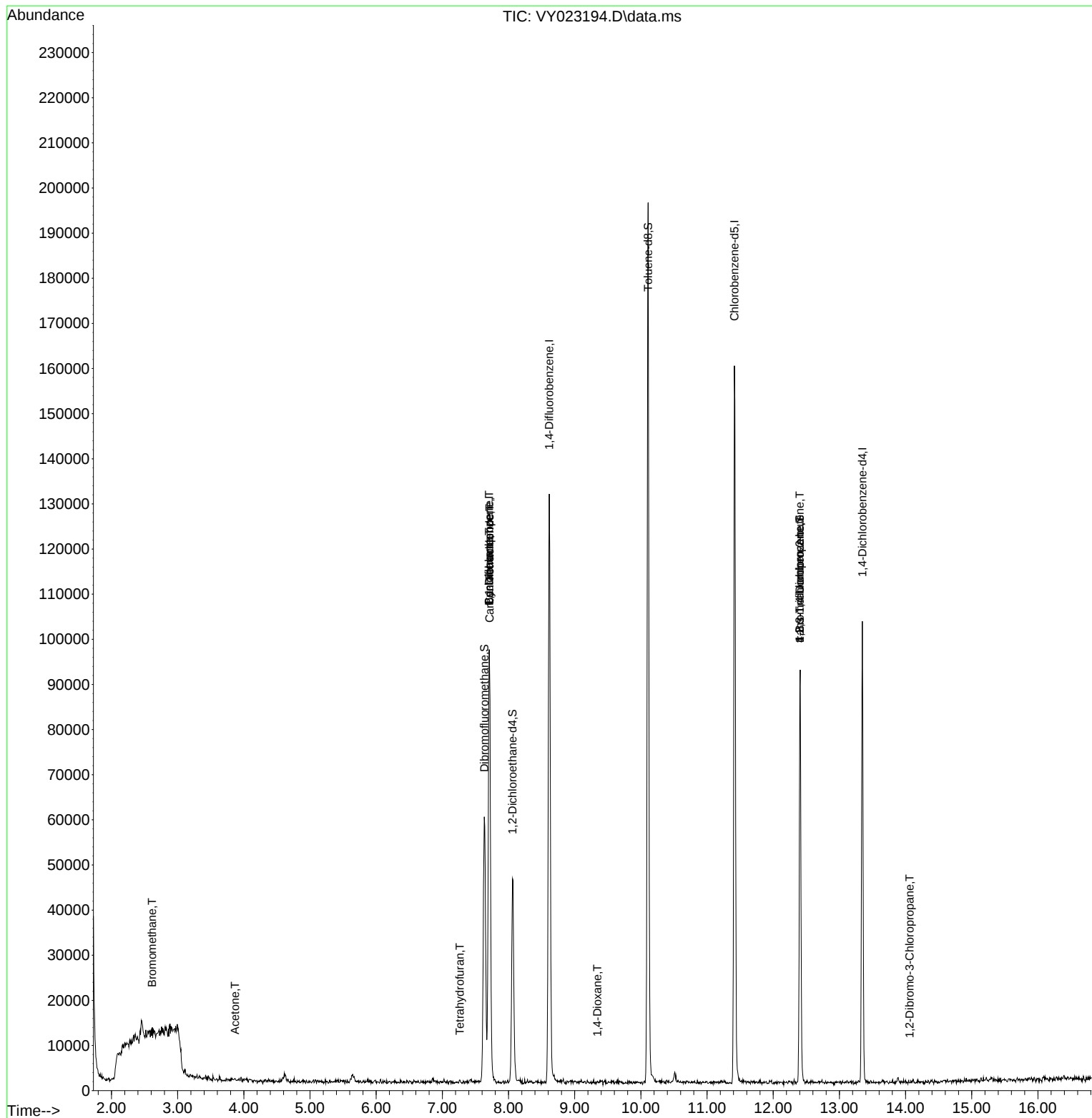
Internal Standards						
1) Pentafluorobenzene	7.707	168	78802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	116724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	89118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	25994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	35240	46.922	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.840%		
35) Dibromofluoromethane	7.634	113	43312	62.013	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	124.020%		
50) Toluene-d8	10.109	98	131866	48.329	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.660%		
62) 4-Bromofluorobenzene	12.401	95	28757	32.772	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	65.540%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.610	94	1267	1.317	ug/l #	57
16) Acetone	3.866	43	319	1.961	ug/l #	41
20) Methylene Chloride	4.610	84	1140	Below Cal		88
29) Tetrahydrofuran	7.262	42	195	1.422	ug/l #	29
31) Cyclohexane	7.707	56	1587	1.134	ug/l #	5
36) 1,1-Dichloropropene	7.707	75	6037	5.816	ug/l #	50
38) Carbon Tetrachloride	7.713	117	7537	6.685	ug/l #	18
49) 1,4-Dioxane	9.341	88	22	4.441	ug/l #	24
76) 1,2,3-Trichloropropane	12.401	75	14925	59.493	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	14925	144.014	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.060	75	63	1.292	ug/l #	1

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

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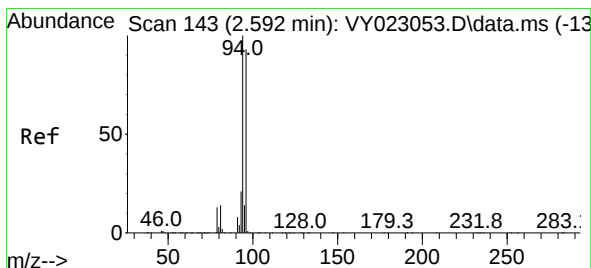
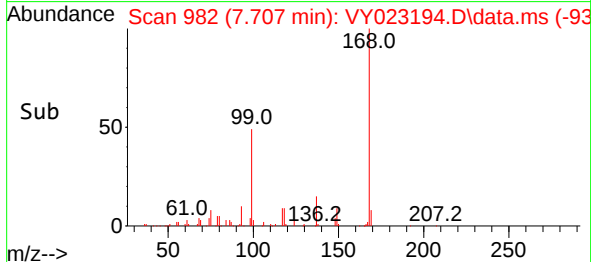
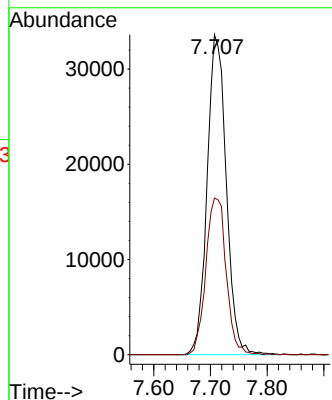
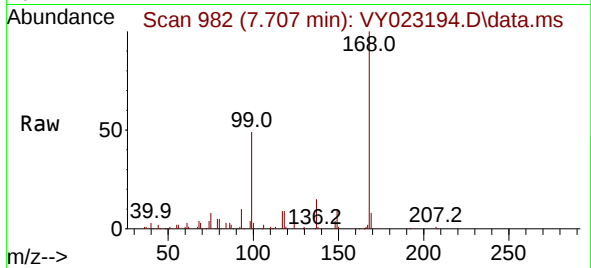




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023194.D
Acq: 22 Aug 2025 15:48

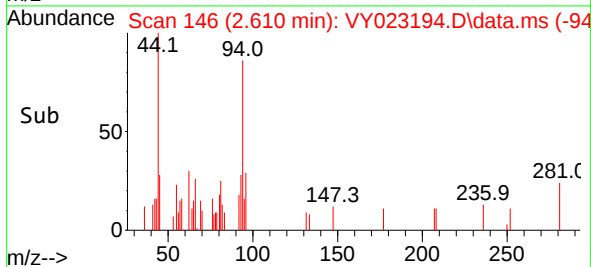
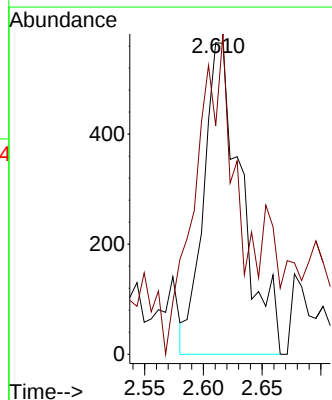
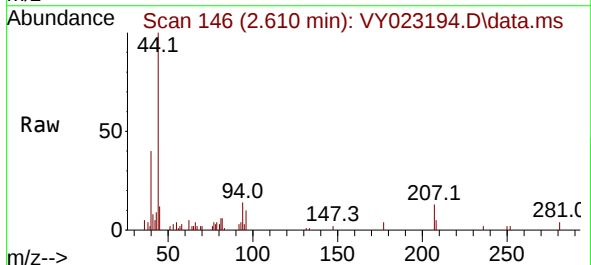
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-08202025RE

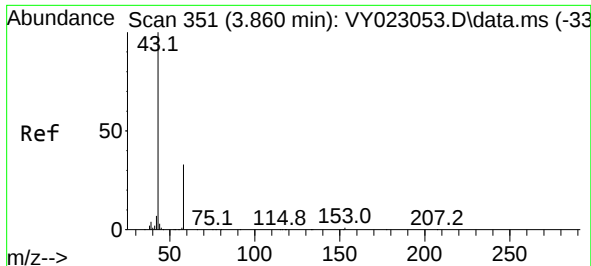
Tgt Ion:168 Resp: 78802
Ion Ratio Lower Upper
168 100
99 48.9 42.8 64.2



#5
Bromomethane
Concen: 1.317 ug/l
RT: 2.610 min Scan# 146
Delta R.T. 0.018 min
Lab File: VY023194.D
Acq: 22 Aug 2025 15:48

Tgt Ion: 94 Resp: 1267
Ion Ratio Lower Upper
94 100
96 52.1 74.6 112.0#

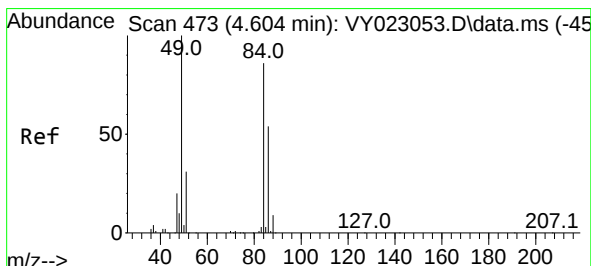
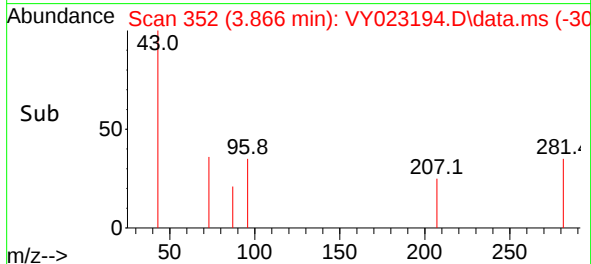
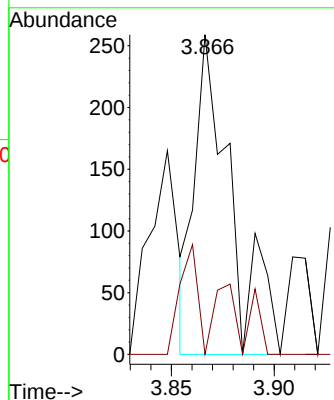
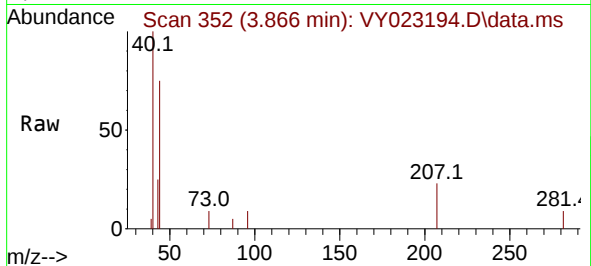




#16
Acetone
Concen: 1.961 ug/l
RT: 3.866 min Scan# 319
Delta R.T. 0.006 min
Lab File: VY023194.D
Acq: 22 Aug 2025 15:48

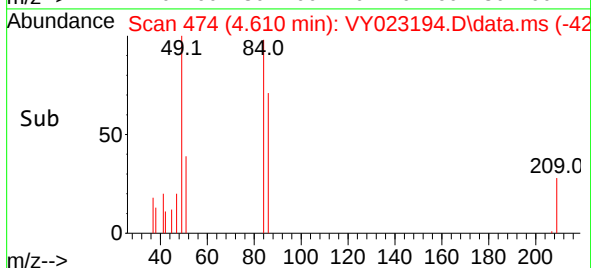
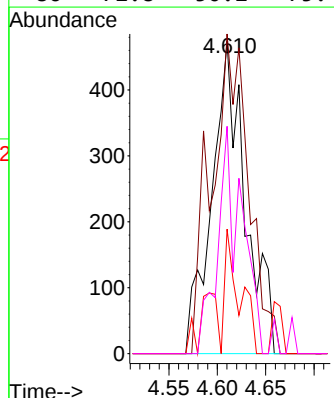
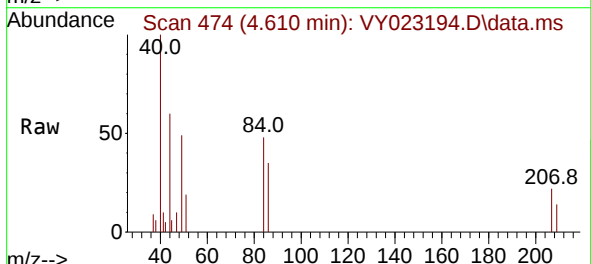
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-08202025RE

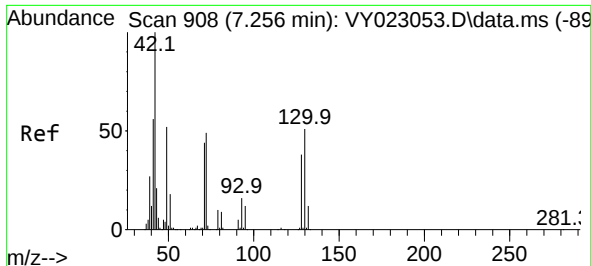
Tgt Ion: 43 Resp: 319
Ion Ratio Lower Upper
43 100
58 0.0 27.1 40.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023194.D
Acq: 22 Aug 2025 15:48

Tgt Ion: 84 Resp: 1140
Ion Ratio Lower Upper
84 100
49 102.3 93.0 139.6
51 39.9 29.0 43.4
86 72.8 50.2 75.4





#29

Tetrahydrofuran

Concen: 1.422 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023194.D

Acq: 22 Aug 2025 15:48

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-08202025RE

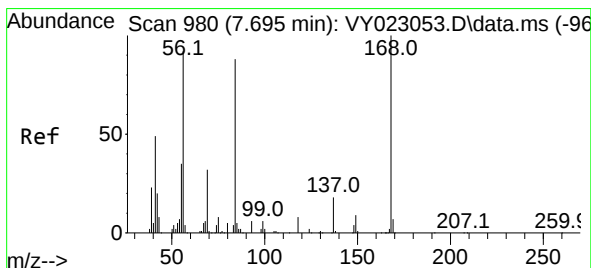
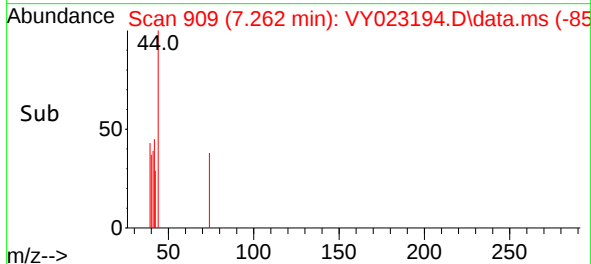
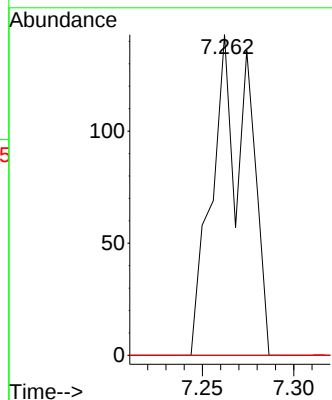
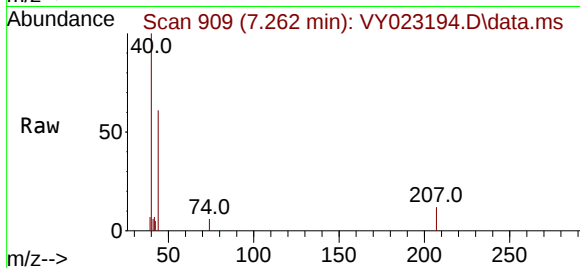
Tgt Ion: 42 Resp: 195

Ion Ratio Lower Upper

42 100

72 0.0 39.4 59.2#

71 0.0 36.5 54.7#



#31

Cyclohexane

Concen: 1.134 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.012 min

Lab File: VY023194.D

Acq: 22 Aug 2025 15:48

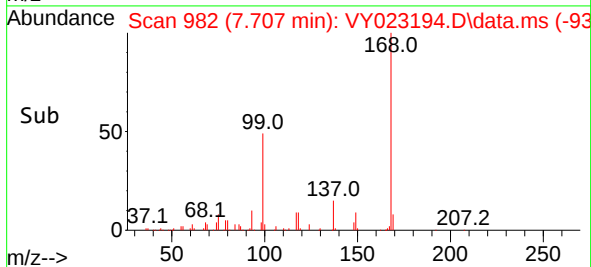
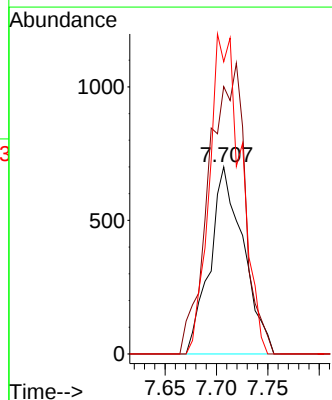
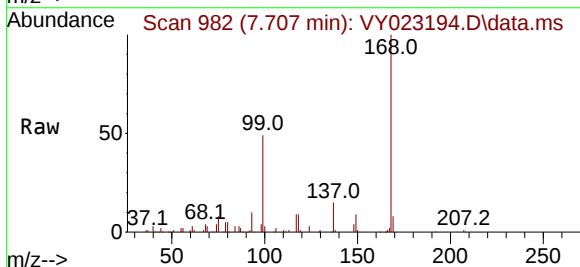
Tgt Ion: 56 Resp: 1587

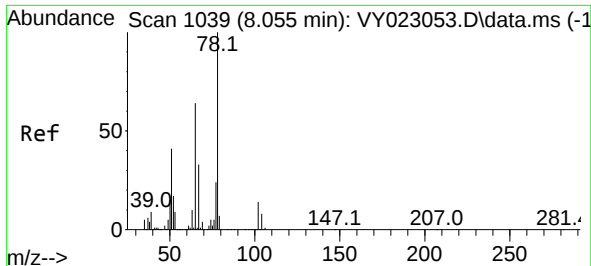
Ion Ratio Lower Upper

56 100

69 143.0 28.2 42.2#

84 156.3 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 46.922 ug/l

RT: 8.061 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY023194.D

Acq: 22 Aug 2025 15:48

Instrument :

MSVOA_Y

ClientSampleId :

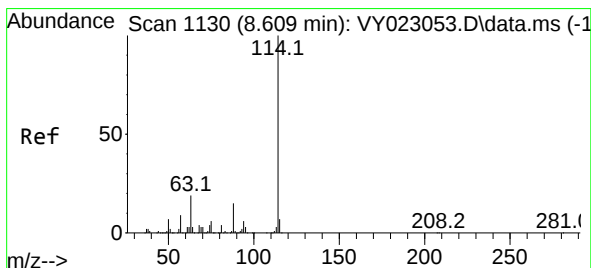
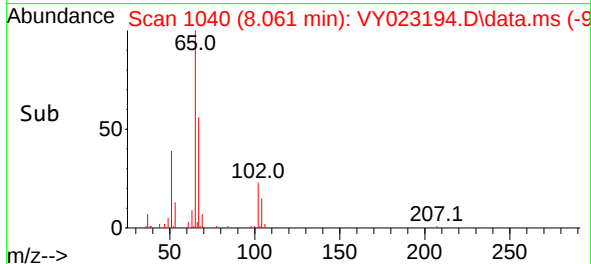
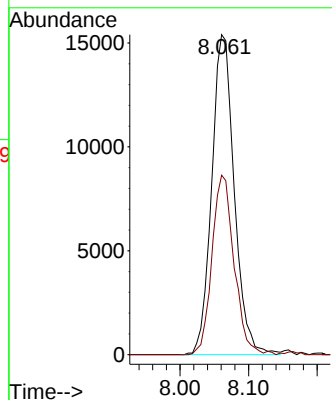
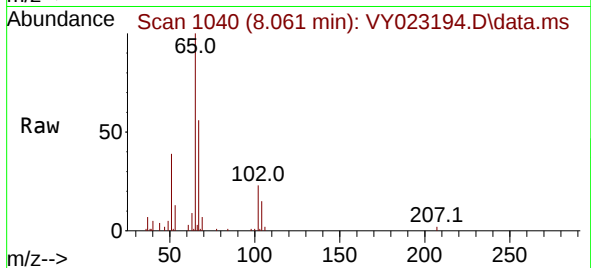
EO-03-08202025RE

Tgt Ion: 65 Resp: 35240

Ion Ratio Lower Upper

65 100

67 55.0 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023194.D

Acq: 22 Aug 2025 15:48

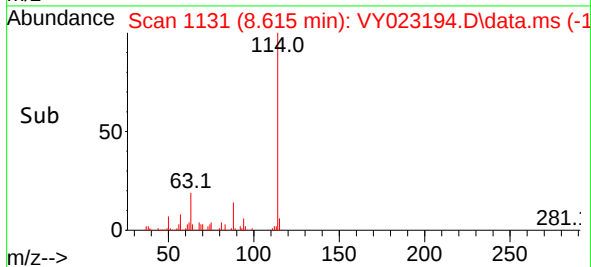
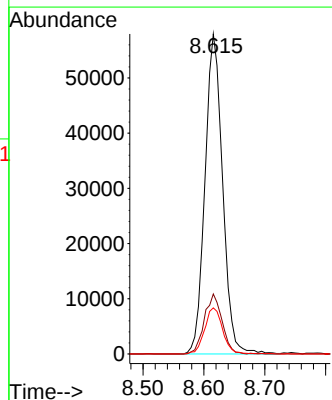
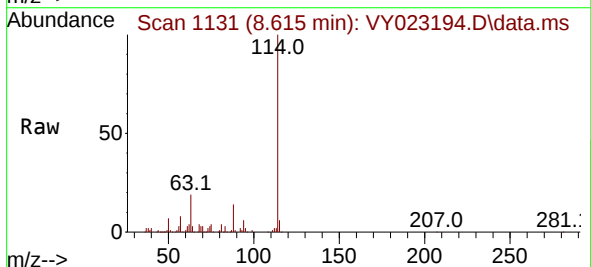
Tgt Ion: 114 Resp: 116724

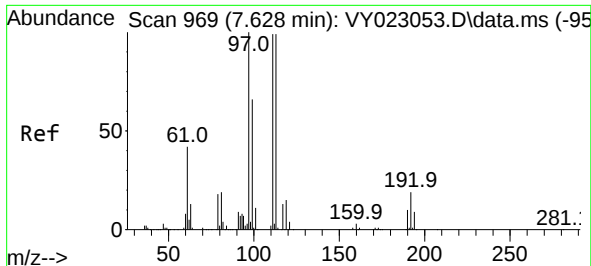
Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 14.4 0.0 30.0

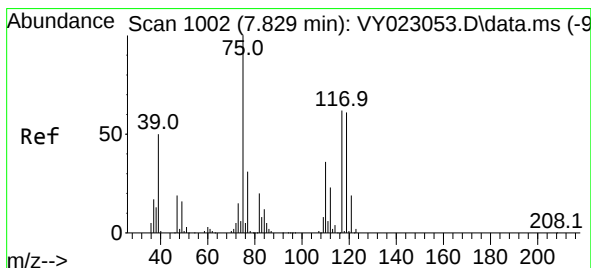
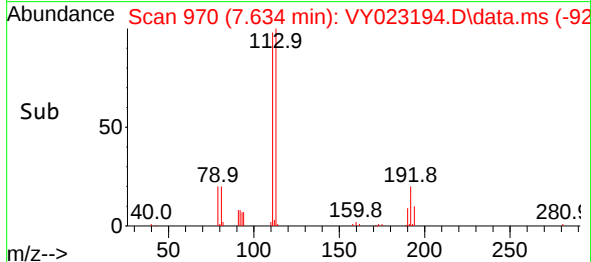
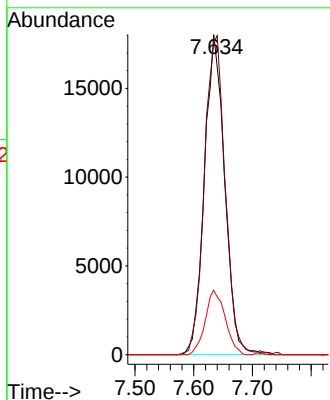
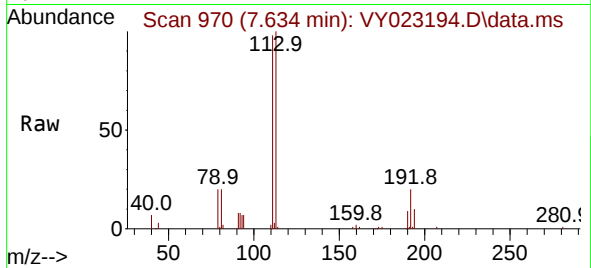




#35
Dibromofluoromethane
Concen: 62.013 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023194.D
Acq: 22 Aug 2025 15:48

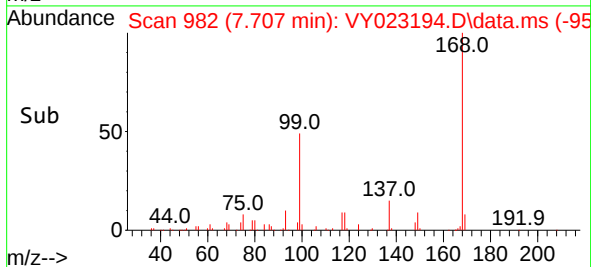
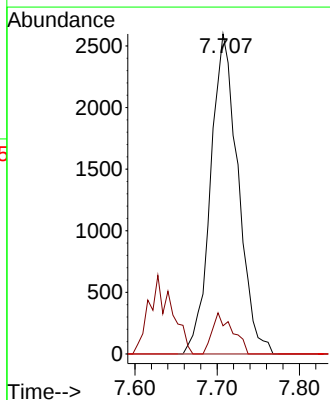
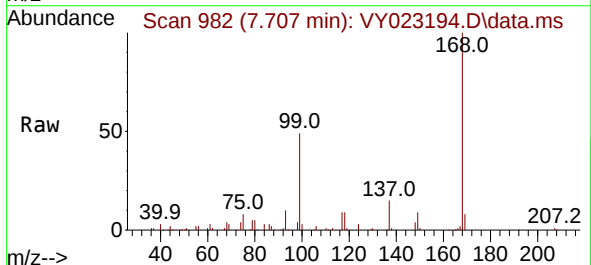
Instrument :
MSVOA_Y
ClientSampleId :
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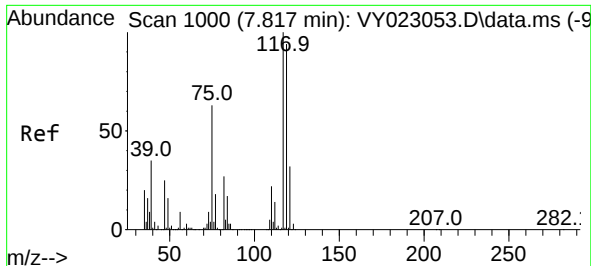
Tgt Ion:113 Resp: 43312
Ion Ratio Lower Upper
113 100
111 101.7 81.1 121.7
192 19.8 16.2 24.4



#36
1,1-Dichloropropene
Concen: 5.816 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023194.D
Acq: 22 Aug 2025 15:48

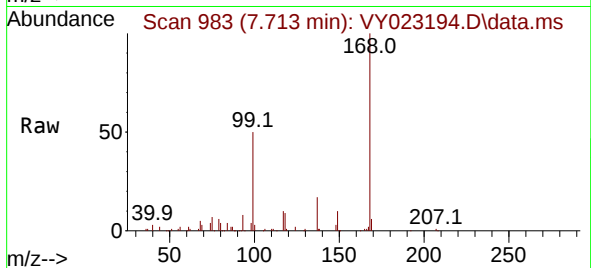
Tgt Ion: 75 Resp: 6037
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.4#
77 0.0 24.6 37.0#



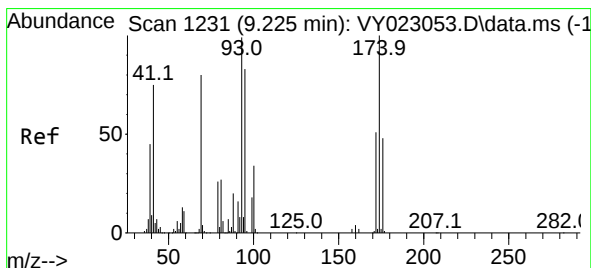
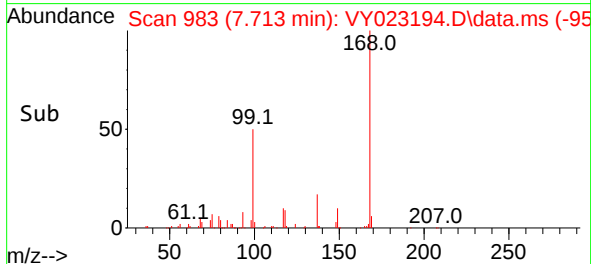
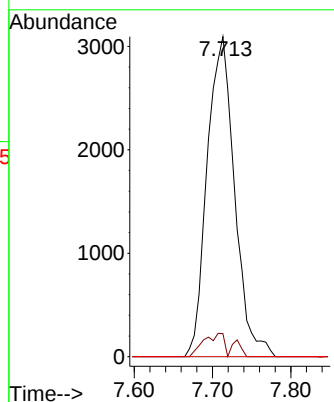


#38
Carbon Tetrachloride
Concen: 6.685 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023194.D
Acq: 22 Aug 2025 15:48

Instrument :
MSVOA_Y
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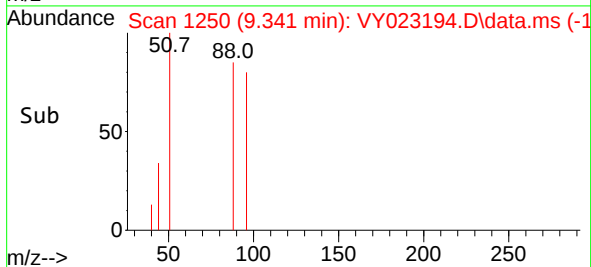
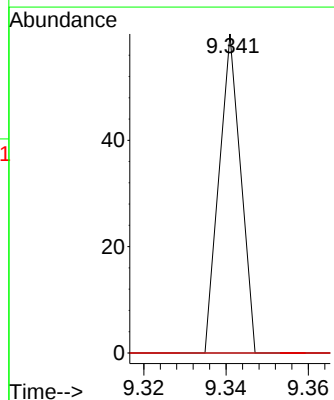
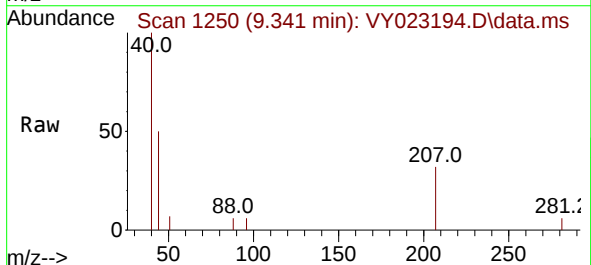


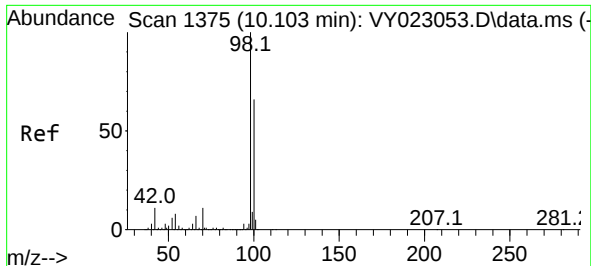
Tgt Ion: 117 Resp: 7537
Ion Ratio Lower Upper
117 100
119 7.2 75.6 113.4#
121 0.0 25.8 38.8#



#49
1,4-Dioxane
Concen: 4.441 ug/l
RT: 9.341 min Scan# 1250
Delta R.T. 0.116 min
Lab File: VY023194.D
Acq: 22 Aug 2025 15:48

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 24.3 36.5#
58 0.0 55.4 83.0#

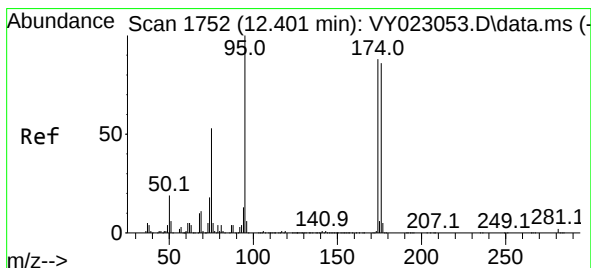
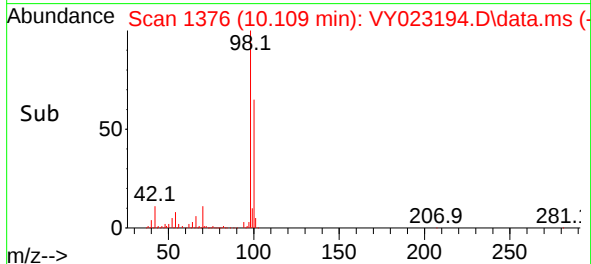
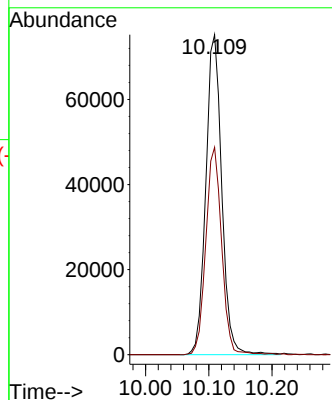
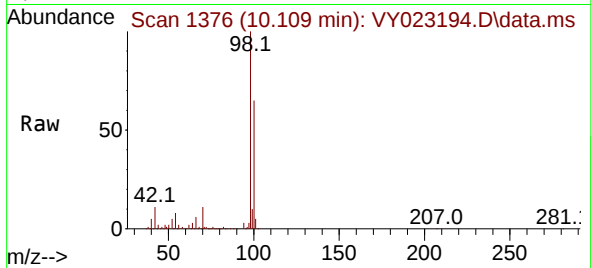




#50
Toluene-d8
Concen: 48.329 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023194.D
Acq: 22 Aug 2025 15:48

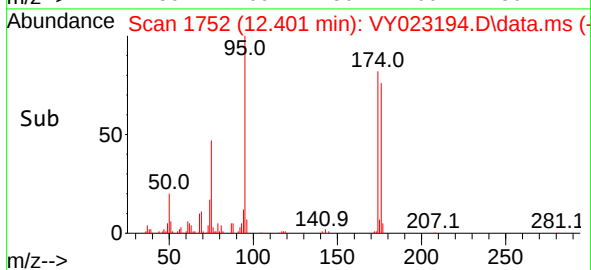
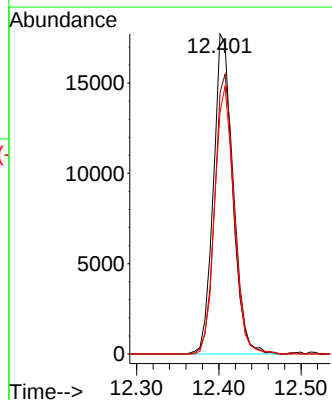
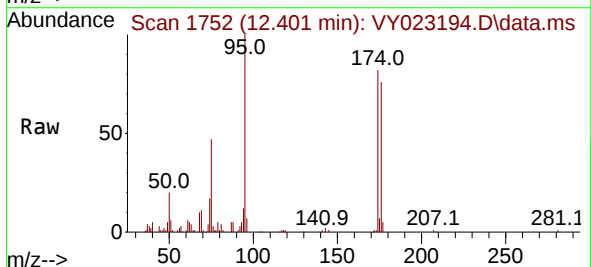
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-08202025RE

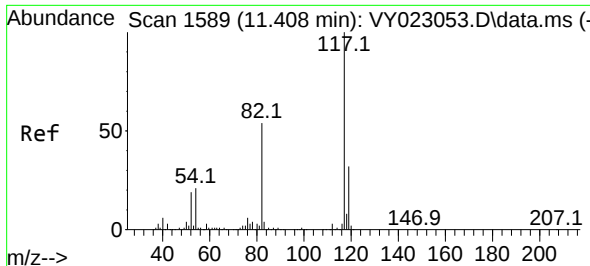
Tgt Ion: 98 Resp: 131866
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 32.772 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023194.D
Acq: 22 Aug 2025 15:48

Tgt Ion: 95 Resp: 28757
Ion Ratio Lower Upper
95 100
174 90.1 0.0 171.6
176 84.4 0.0 167.6

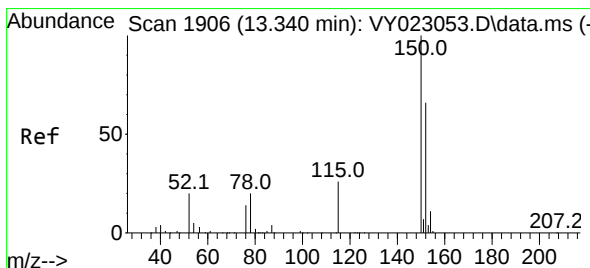
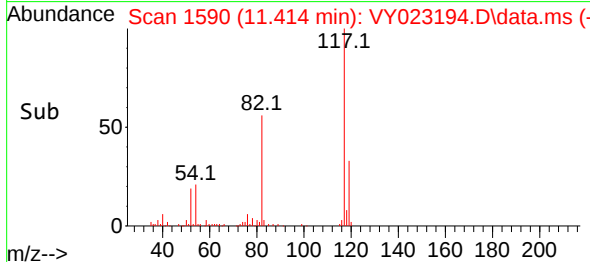
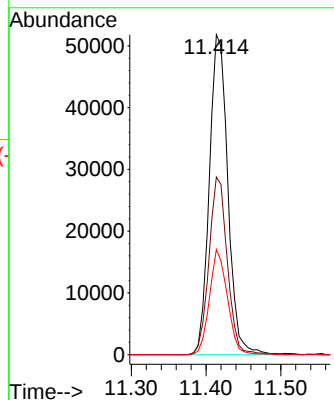
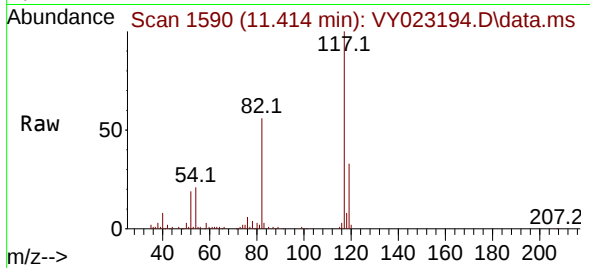




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023194.D
Acq: 22 Aug 2025 15:48

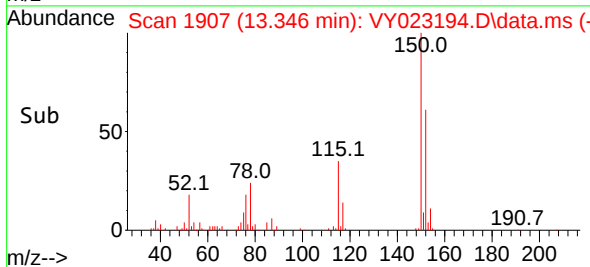
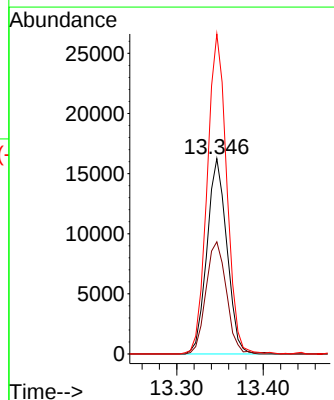
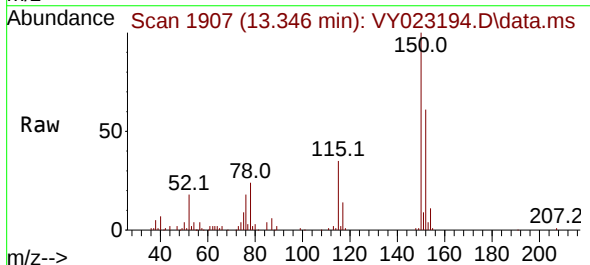
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-08202025RE

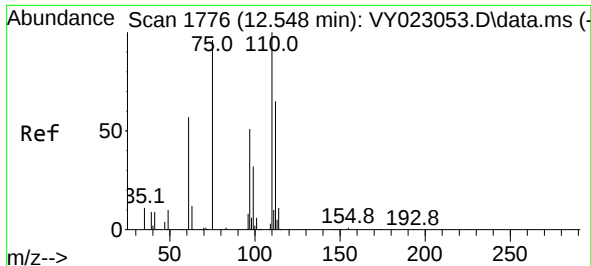
Tgt Ion:117	Resp:	89118
Ion Ratio	Lower	Upper
117	100	
82	55.5	43.4 65.0
119	32.9	25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023194.D
Acq: 22 Aug 2025 15:48

Tgt Ion:152	Resp:	25994
Ion Ratio	Lower	Upper
152	100	
115	58.8	28.2 84.6
150	160.3	0.0 348.0

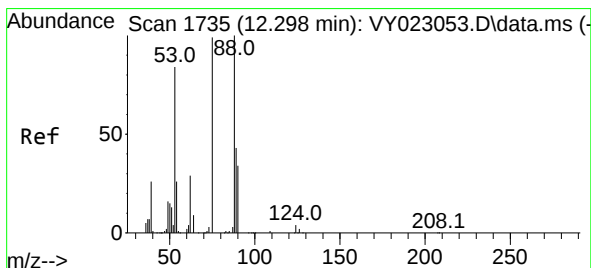
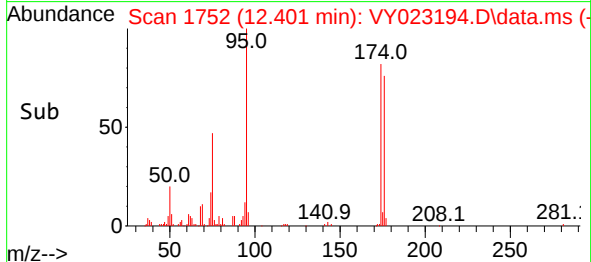
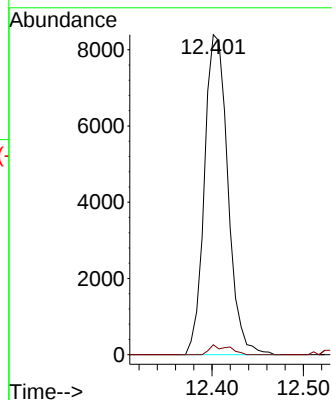
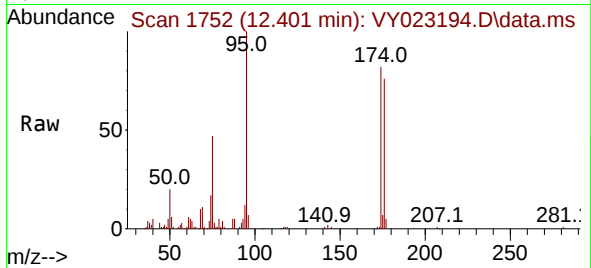




#76
1,2,3-Trichloropropane
Concen: 59.493 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023194.D
Acq: 22 Aug 2025 15:48

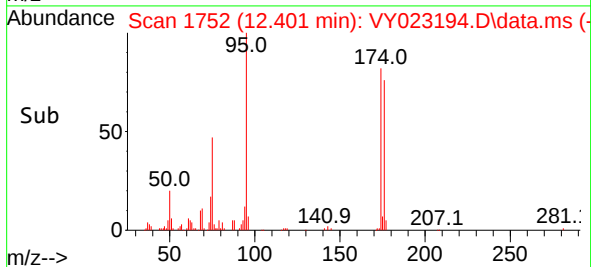
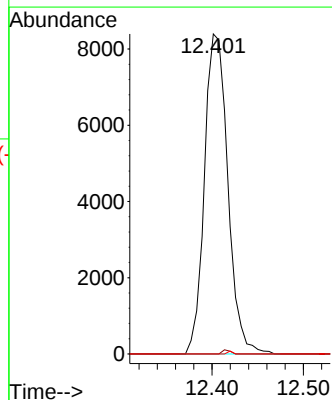
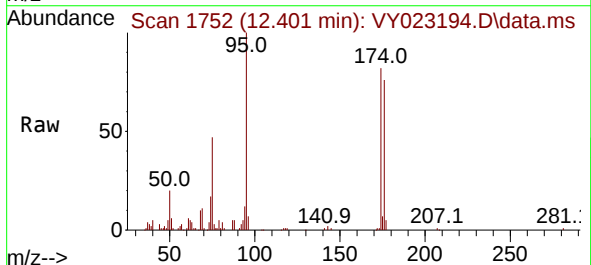
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-08202025RE

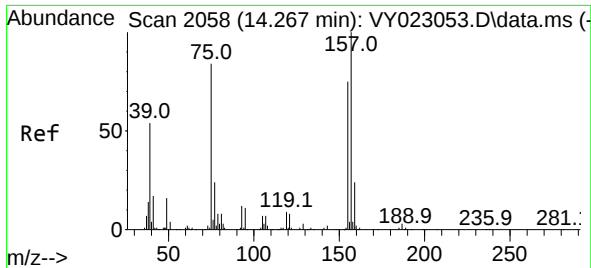
Tgt Ion: 75 Resp: 14925
Ion Ratio Lower Upper
75 100
77 2.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.014 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023194.D
Acq: 22 Aug 2025 15:48

Tgt Ion: 75 Resp: 14925
Ion Ratio Lower Upper
75 100
53 0.4 70.8 106.2#
89 0.2 38.1 57.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.292 ug/l

RT: 14.060 min Scan# 20

Delta R.T. -0.207 min

Lab File: VY023194.D

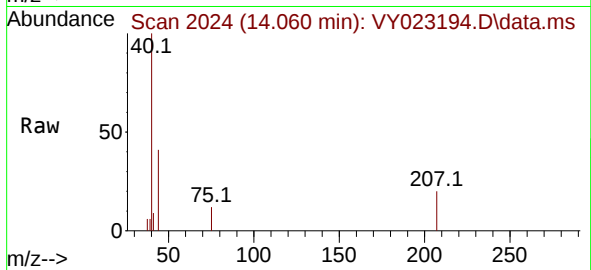
Acq: 22 Aug 2025 15:48

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-08202025RE



Tgt Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 57.2 171.6#

