

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
 Data File : VY023299.D
 Acq On : 05 Sep 2025 15:25
 Operator : SY/MD
 Sample : Q3032-06
 Misc : 7.54g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 06 01:57:06 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	570597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1070253	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	982616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	401855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	306982	56.449	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.900%	
35) Dibromofluoromethane	7.634	113	347945	54.332	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.660%	
50) Toluene-d8	10.103	98	1275312	50.976	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.960%	
62) 4-Bromofluorobenzene	12.401	95	393666	48.929	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.860%	
Target Compounds						
11) Tert butyl alcohol	4.836	59	770	2.066	ug/l #	88
16) Acetone	3.860	43	1376	1.168	ug/l #	53
20) Methylene Chloride	4.610	84	16496	Below Cal		86
31) Cyclohexane	7.707	56	10796	1.066	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	40758	4.282	ug/l #	49
38) Carbon Tetrachloride	7.707	117	54514	5.274	ug/l #	17
49) 1,4-Dioxane	9.268	88	47	1.035	ug/l #	1
51) 4-Methyl-2-Pentanone	10.103	43	4584	1.100	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	202104	52.111	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	202104	126.144	ug/l #	14

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

Quant Time: Sep 06 01:57:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
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QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

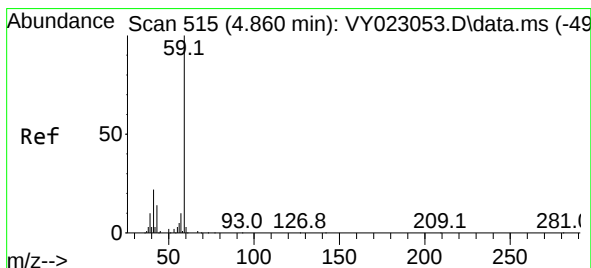
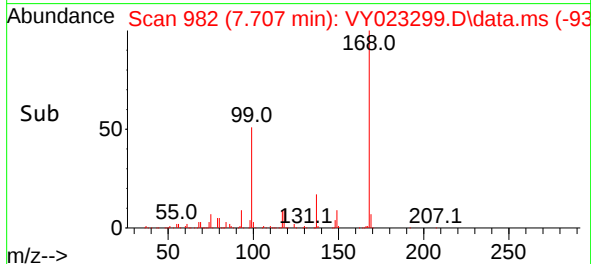
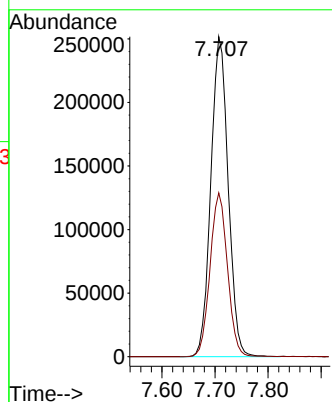
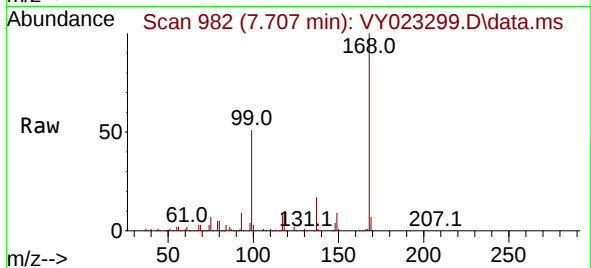




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023299.D
Acq: 05 Sep 2025 15:25

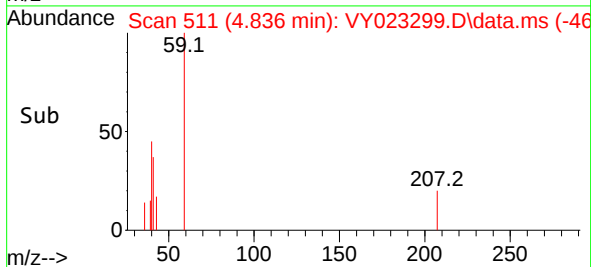
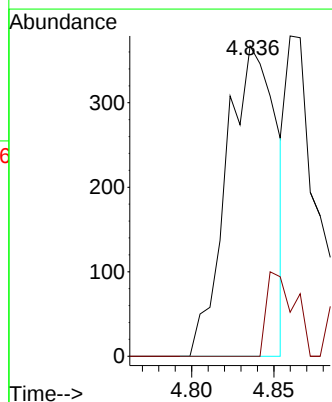
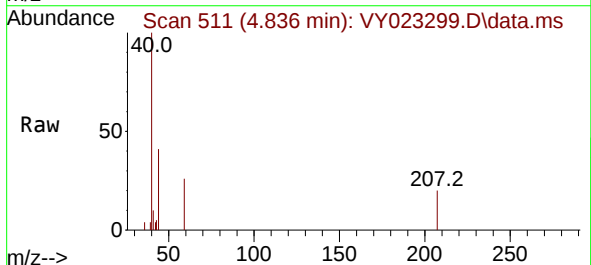
Instrument :
MSVOA_Y
ClientSampleId :

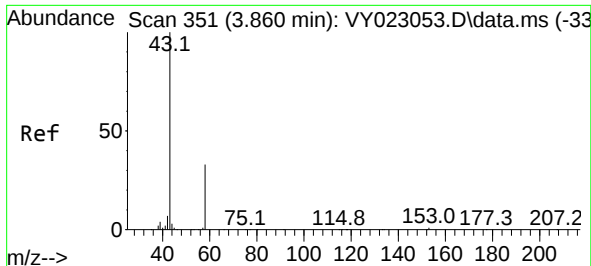
Tgt Ion:168 Resp: 570597
Ion Ratio Lower Upper
168 100
99 51.2 42.8 64.2



#11
Tert butyl alcohol
Concen: 2.066 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.025 min
Lab File: VY023299.D
Acq: 05 Sep 2025 15:25

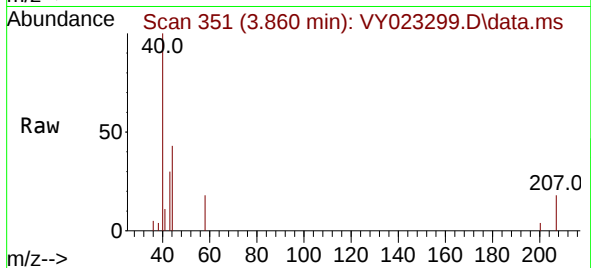
Tgt Ion: 59 Resp: 770
Ion Ratio Lower Upper
59 100
57 15.2 8.6 13.0#



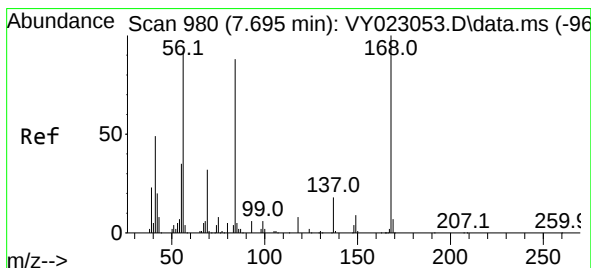
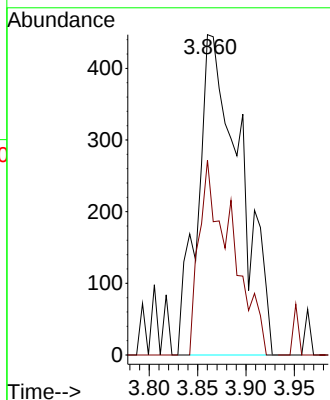
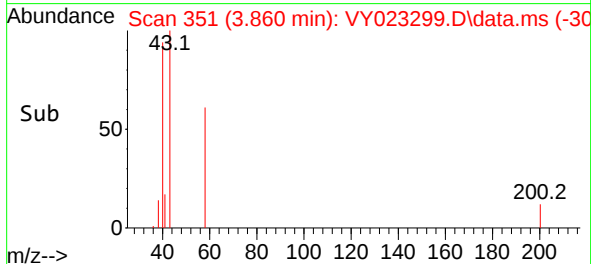


#16
Acetone
Concen: 1.168 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY023299.D
Acq: 05 Sep 2025 15:25

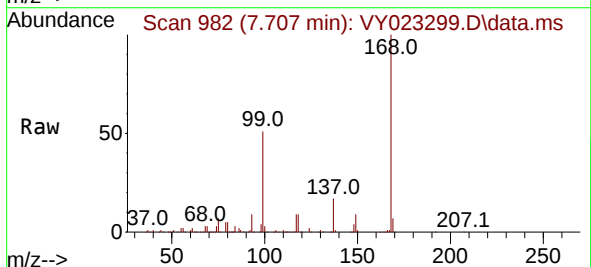
Instrument :
MSVOA_Y
ClientSampleId :



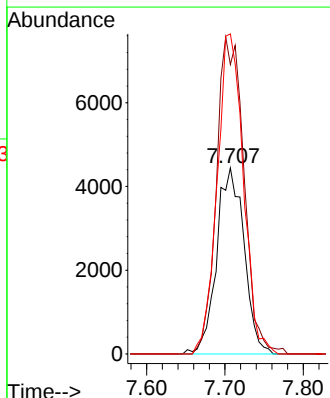
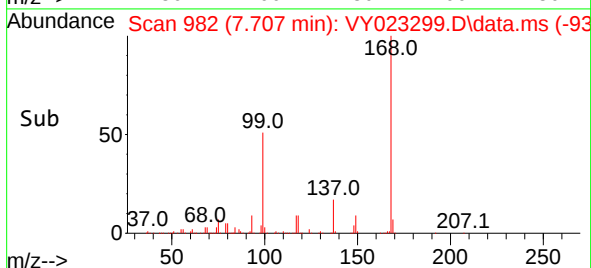
Tgt Ion: 43 Resp: 1376
Ion Ratio Lower Upper
43 100
58 60.9 27.1 40.7#



#31
Cyclohexane
Concen: 1.066 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023299.D
Acq: 05 Sep 2025 15:25



Tgt Ion: 56 Resp: 10796
Ion Ratio Lower Upper
56 100
69 155.6 28.2 42.2#
84 172.0 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 56.449 ug/l

RT: 8.061 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VY023299.D

Acq: 05 Sep 2025 15:25

Instrument :

MSVOA_Y

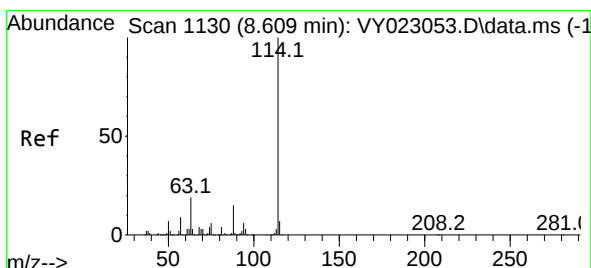
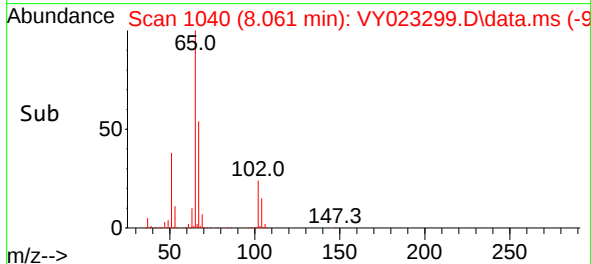
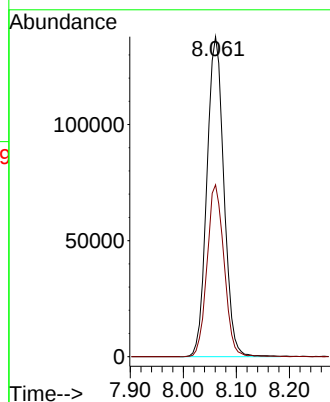
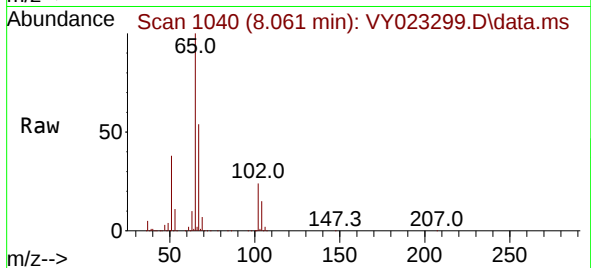
ClientSampleId :

Tgt Ion: 65 Resp: 306982

Ion Ratio Lower Upper

65 100

67 53.8 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: VY023299.D

Acq: 05 Sep 2025 15:25

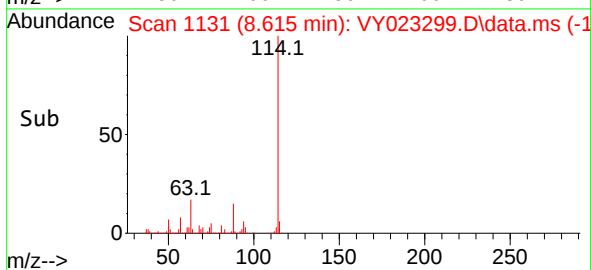
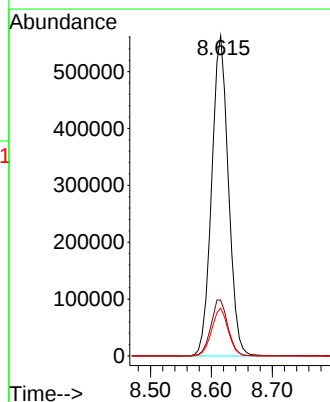
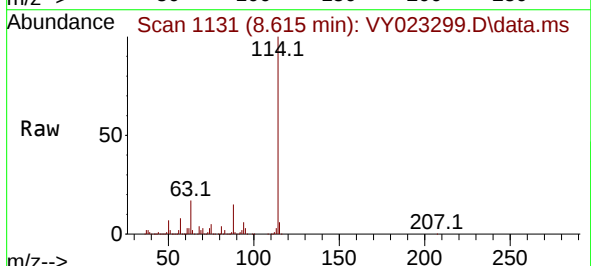
Tgt Ion:114 Resp: 1070253

Ion Ratio Lower Upper

114 100

63 17.5 0.0 38.4

88 14.9 0.0 30.0

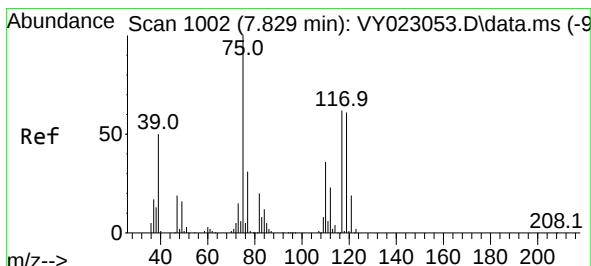
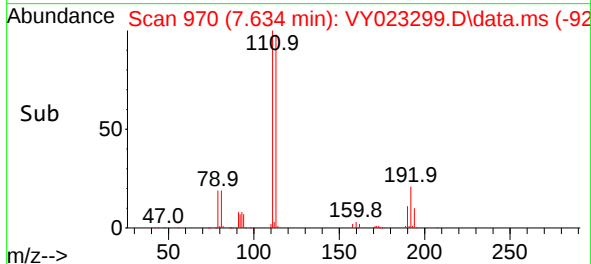
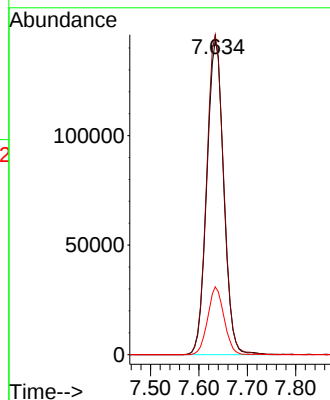
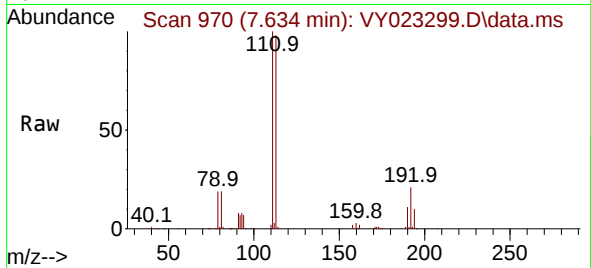




#35
Dibromofluoromethane
Concen: 54.332 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023299.D
Acq: 05 Sep 2025 15:25

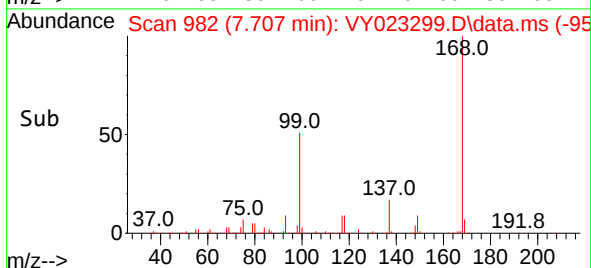
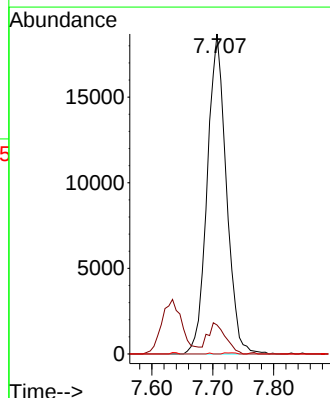
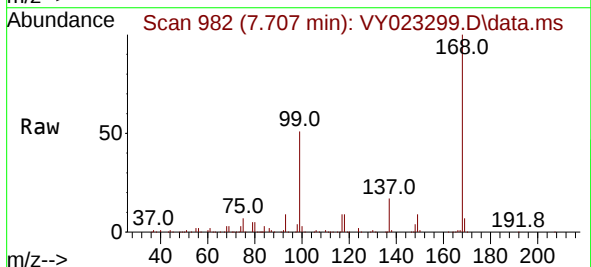
Instrument :
MSVOA_Y
ClientSampleId :

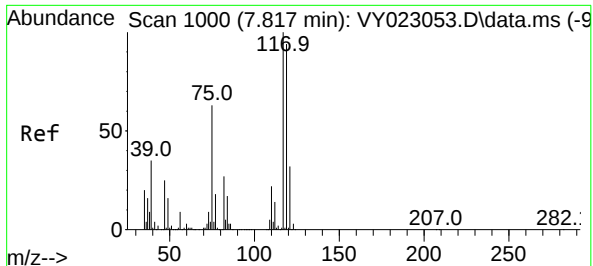
Tgt Ion:113 Resp: 347945
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 20.9 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.282 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023299.D
Acq: 05 Sep 2025 15:25

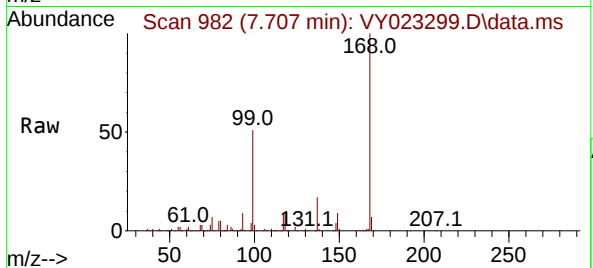
Tgt Ion: 75 Resp: 40758
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.4#
77 0.0 24.6 37.0#



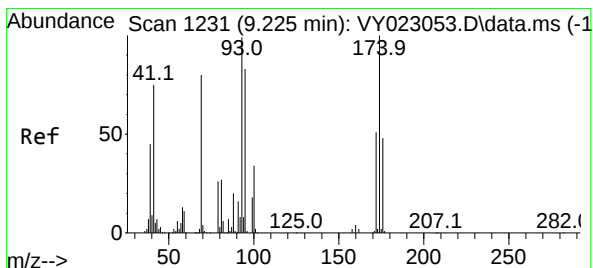
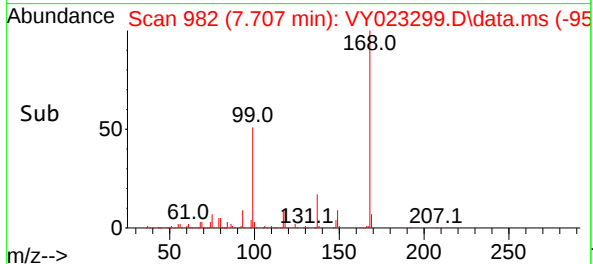
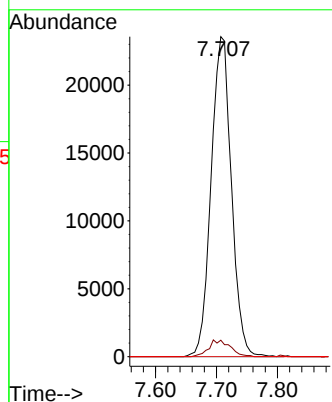


#38
Carbon Tetrachloride
Concen: 5.274 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023299.D
Acq: 05 Sep 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :

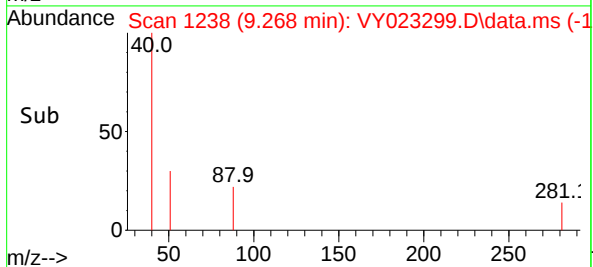
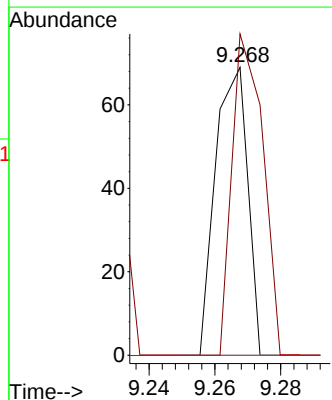
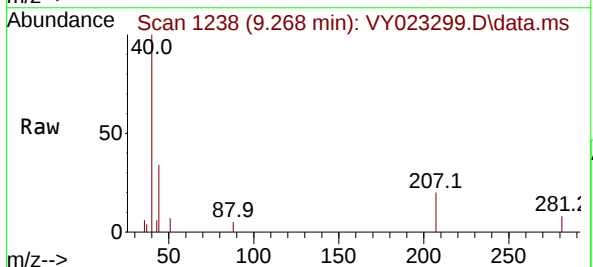


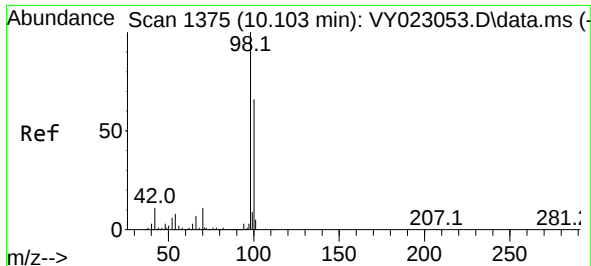
Tgt Ion:117 Resp: 54514
Ion Ratio Lower Upper
117 100
119 5.2 75.6 113.4#
121 0.0 25.8 38.8#



#49
1,4-Dioxane
Concen: 1.035 ug/l
RT: 9.268 min Scan# 1238
Delta R.T. 0.043 min
Lab File: VY023299.D
Acq: 05 Sep 2025 15:25

Tgt Ion: 88 Resp: 47
Ion Ratio Lower Upper
88 100
43 106.4 24.3 36.5#
58 0.0 55.4 83.0#

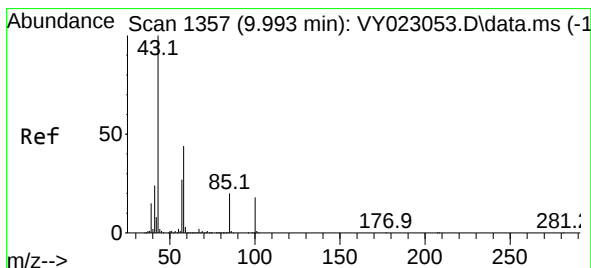
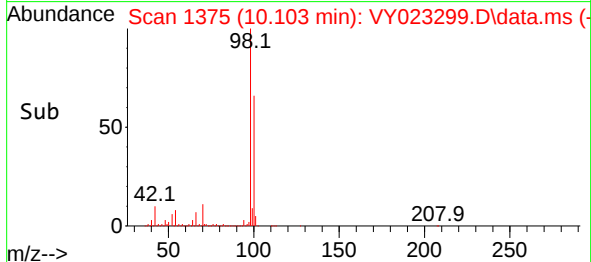
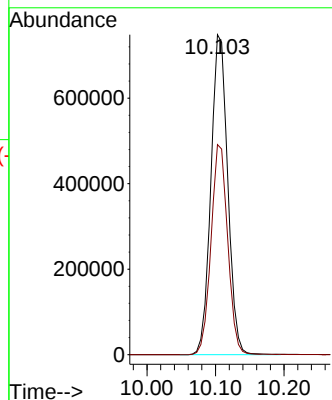
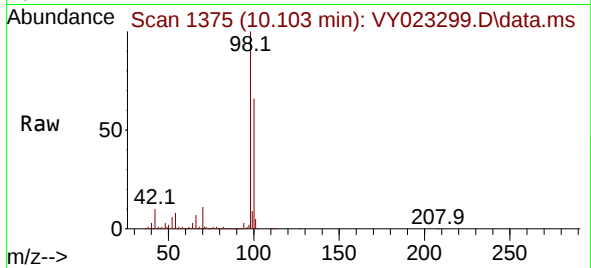




#50
Toluene-d8
Concen: 50.976 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023299.D
Acq: 05 Sep 2025 15:25

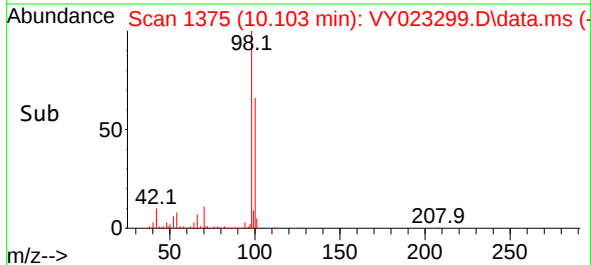
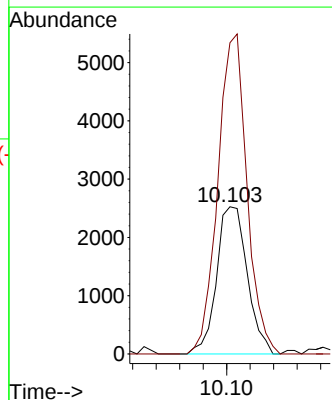
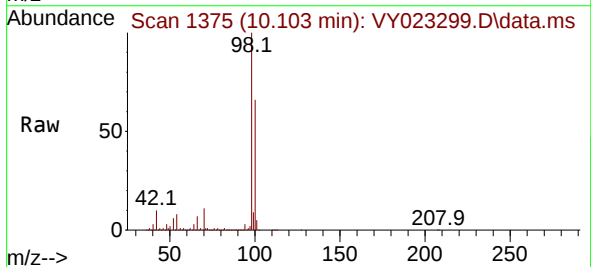
Instrument :
MSVOA_Y
ClientSampleId :

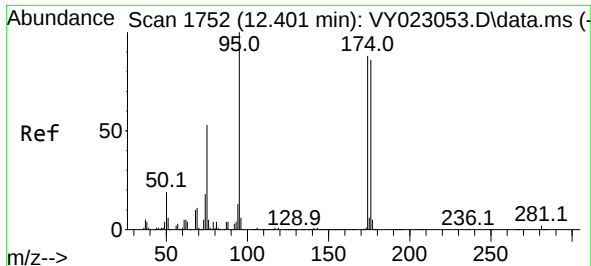
Tgt Ion: 98 Resp: 1275312
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.100 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023299.D
Acq: 05 Sep 2025 15:25

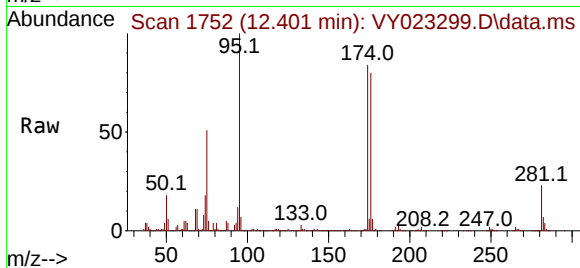
Tgt Ion: 43 Resp: 4584
Ion Ratio Lower Upper
43 100
58 205.8 33.5 50.3#



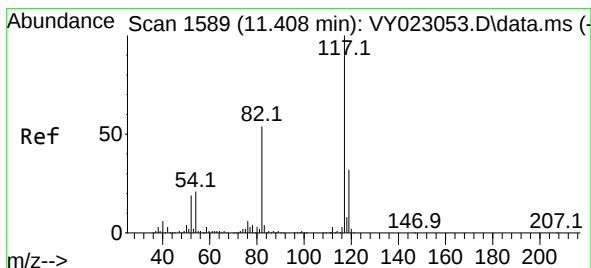
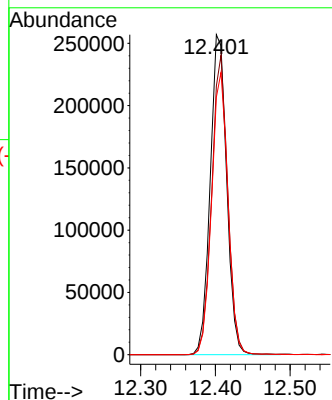
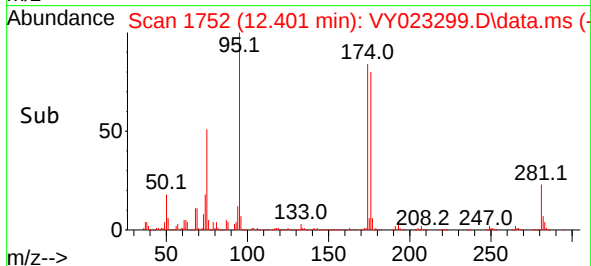


#62
4-Bromofluorobenzene
Concen: 48.929 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023299.D
Acq: 05 Sep 2025 15:25

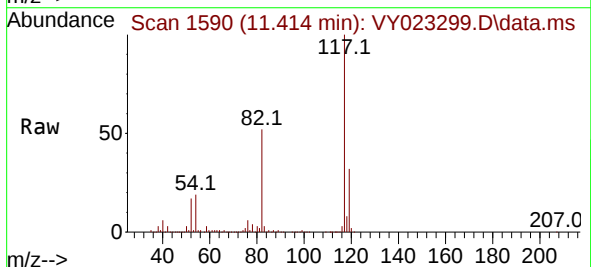
Instrument :
MSVOA_Y
ClientSampleId :



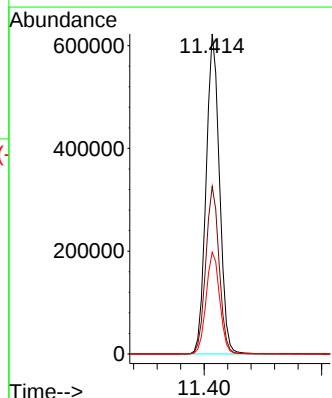
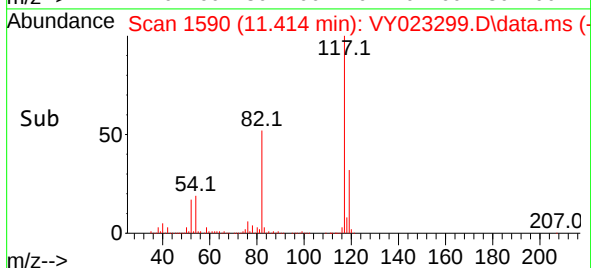
Tgt Ion: 95 Resp: 393666
Ion Ratio Lower Upper
95 100
174 91.5 0.0 171.6
176 88.1 0.0 167.6

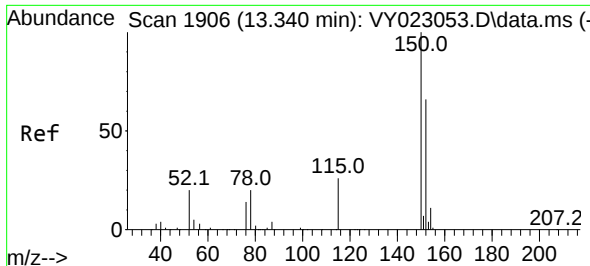


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023299.D
Acq: 05 Sep 2025 15:25



Tgt Ion: 117 Resp: 982616
Ion Ratio Lower Upper
117 100
82 52.4 43.4 65.0
119 31.8 25.6 38.4

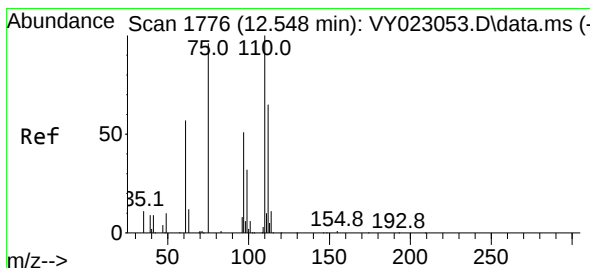
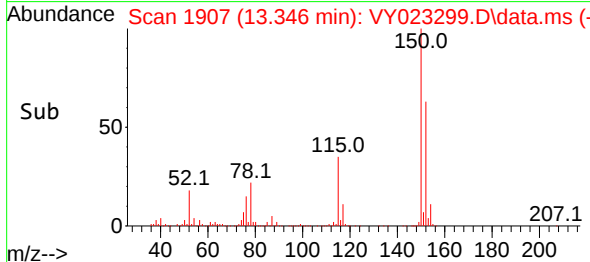
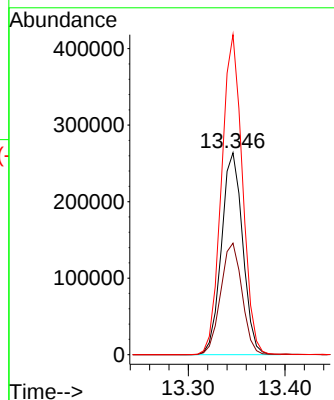
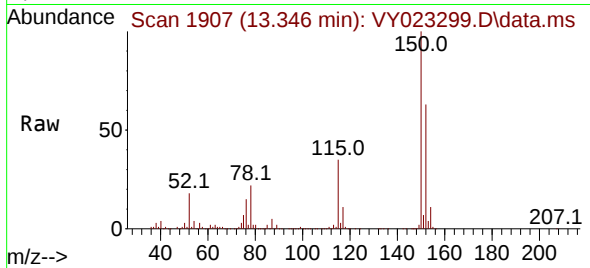




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1906
 Delta R.T. 0.006 min
 Lab File: VY023299.D
 Acq: 05 Sep 2025 15:25

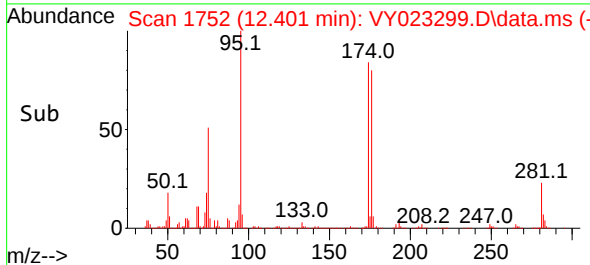
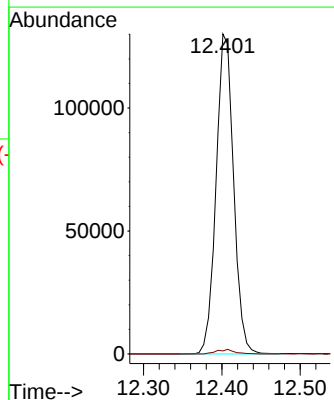
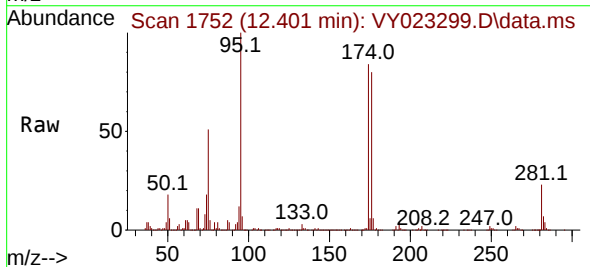
Instrument :
 MSVOA_Y
 ClientSampleId :

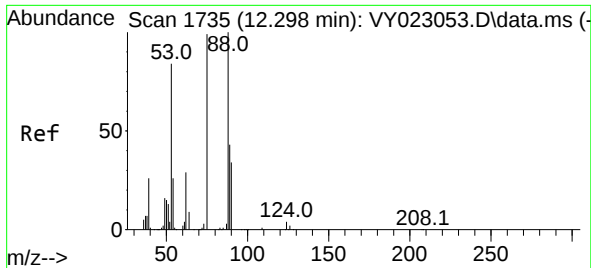
Tgt Ion:152 Resp: 401855
 Ion Ratio Lower Upper
 152 100
 115 55.9 28.2 84.6
 150 156.0 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 52.111 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.146 min
 Lab File: VY023299.D
 Acq: 05 Sep 2025 15:25

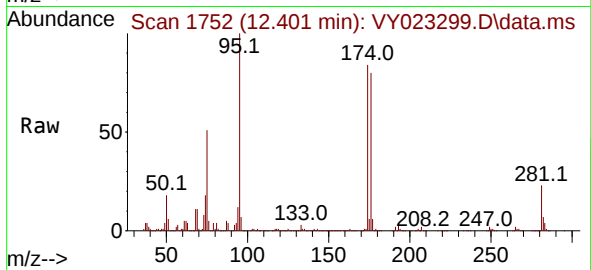
Tgt Ion: 75 Resp: 202104
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 126.144 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY023299.D
Acq: 05 Sep 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 202104
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.7 38.1 57.1#

