

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061825\
 Data File : VY022729.D
 Acq On : 18 Jun 2025 10:17
 Operator : SY/MD
 Sample : VY0618SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0618SBL01

Quant Time: Jun 19 03:56:58 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)

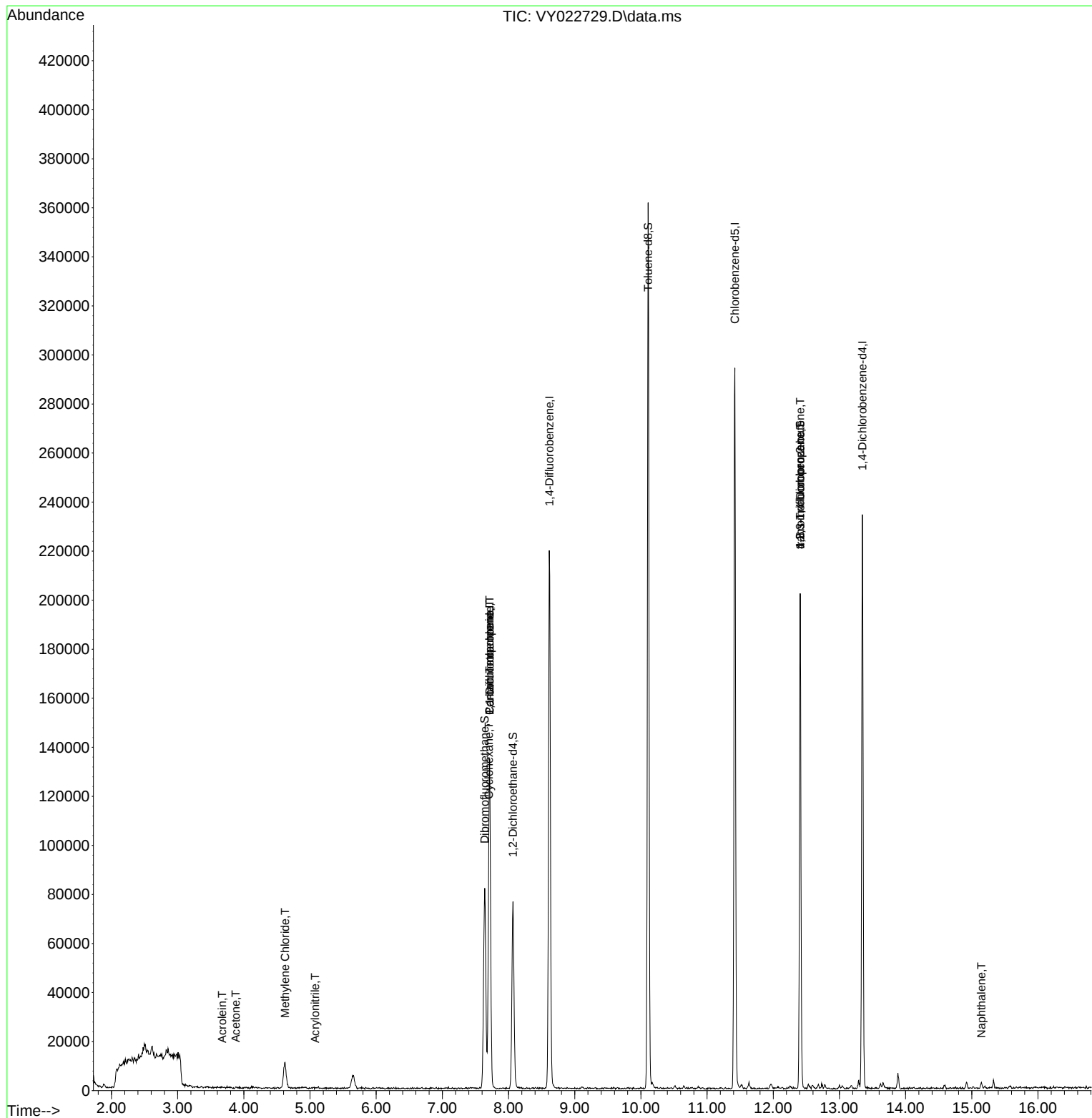
Internal Standards						
1) Pentafluorobenzene	7.713	168	96089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	180436	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	146317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	52221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	55888	52.003	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.000%			
35) Dibromofluoromethane	7.640	113	55775	51.788	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.580%			
50) Toluene-d8	10.109	98	216421	49.732	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.460%			
62) 4-Bromofluorobenzene	12.408	95	53170	41.008	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.020%			
Target Compounds						Qvalue
13) Acrolein	3.671	56	96	1.004	ug/l #	14
15) Acrylonitrile	5.080	53	307	1.286	ug/l #	32
16) Acetone	3.879	43	264	1.210	ug/l #	50
20) Methylene Chloride	4.623	84	6773	5.463	ug/l	91
31) Cyclohexane	7.701	56	3027	1.466	ug/l #	68
36) 1,1-Dichloropropene	7.713	75	8919	5.103	ug/l #	52
38) Carbon Tetrachloride	7.713	117	10669	5.950	ug/l #	18
76) 1,2,3-Trichloropropane	12.408	75	31727	53.106	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	31727	128.248	ug/l #	10
95) Naphthalene	15.145	128	1845	1.133	ug/l	97

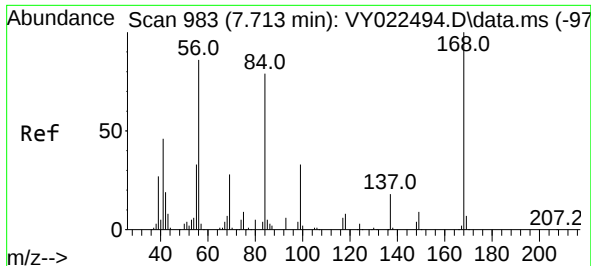
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061825\
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ALS Vial : 3 Sample Multiplier: 1

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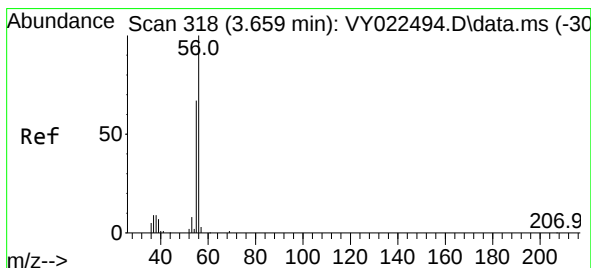
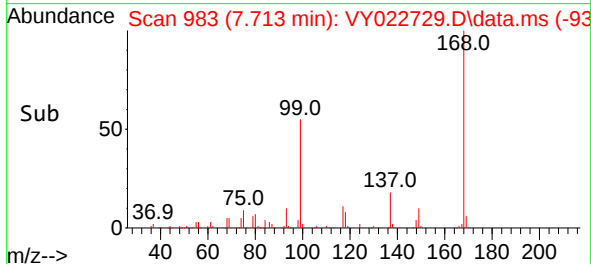
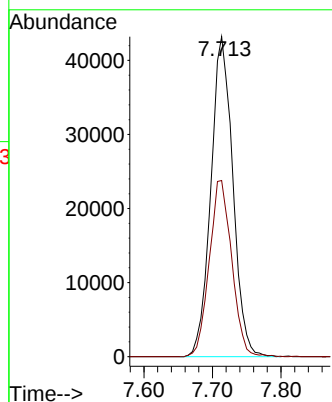
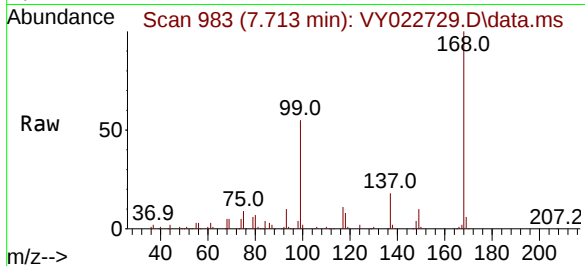




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022729.D
Acq: 18 Jun 2025 10:17

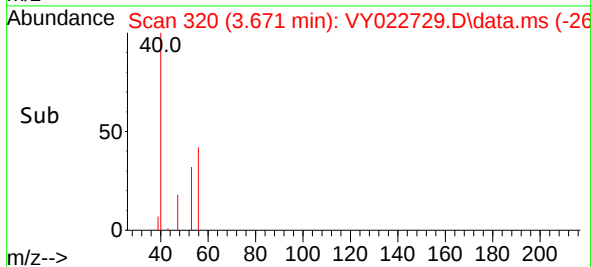
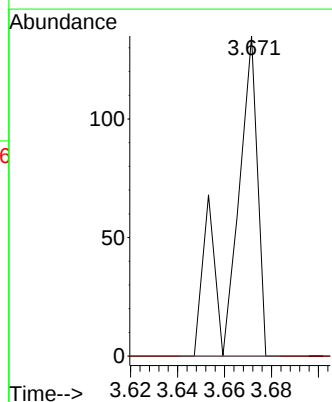
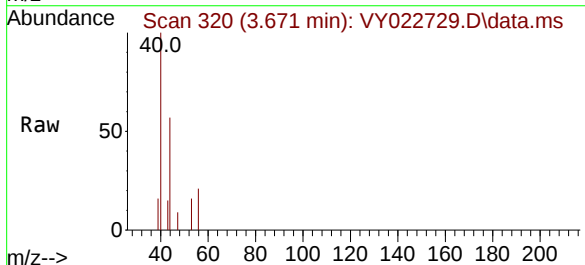
Instrument :
MSVOA_Y
ClientSampleId :
VY0618SBL01

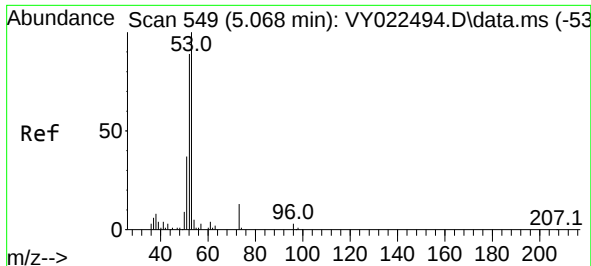
Tgt Ion:168 Resp: 96089
Ion Ratio Lower Upper
168 100
99 55.1 44.3 66.5



#13
Acrolein
Concen: 1.004 ug/l
RT: 3.671 min Scan# 320
Delta R.T. 0.012 min
Lab File: VY022729.D
Acq: 18 Jun 2025 10:17

Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#

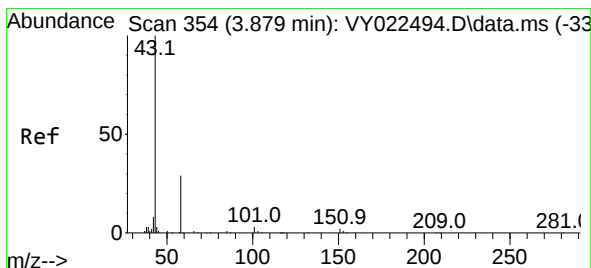
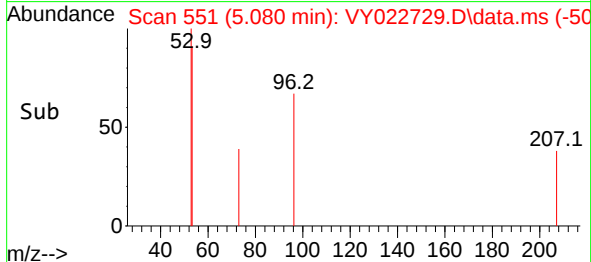
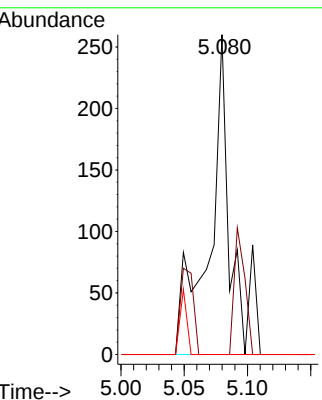
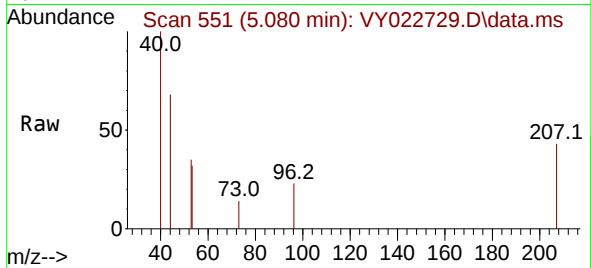




#15
Acrylonitrile
Concen: 1.286 ug/l
RT: 5.080 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY022729.D
Acq: 18 Jun 2025 10:17

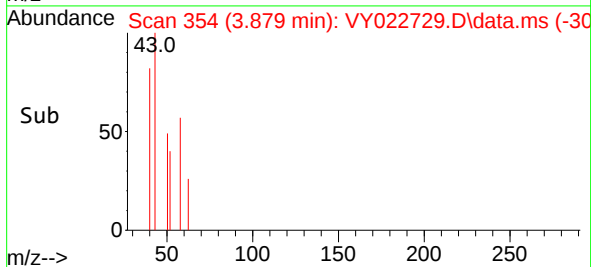
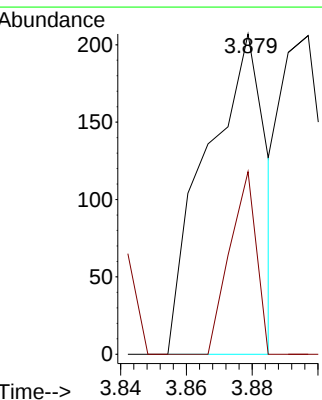
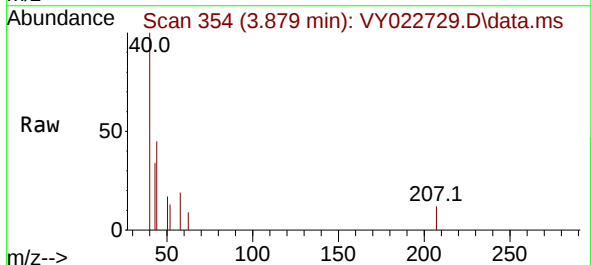
Instrument :
MSVOA_Y
ClientSampleId :
VY0618SBL01

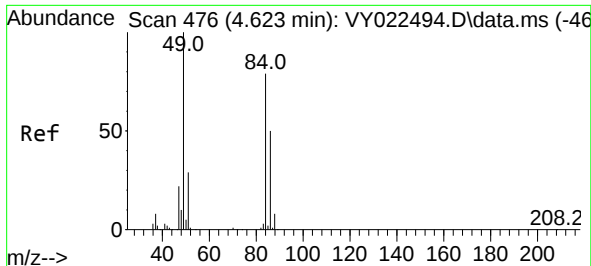
Tgt Ion: 53 Resp: 307
Ion Ratio Lower Upper
53 100
52 19.5 65.7 98.5#
51 0.0 30.1 45.1#



#16
Acetone
Concen: 1.210 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022729.D
Acq: 18 Jun 2025 10:17

Tgt Ion: 43 Resp: 264
Ion Ratio Lower Upper
43 100
58 57.0 24.0 36.0#



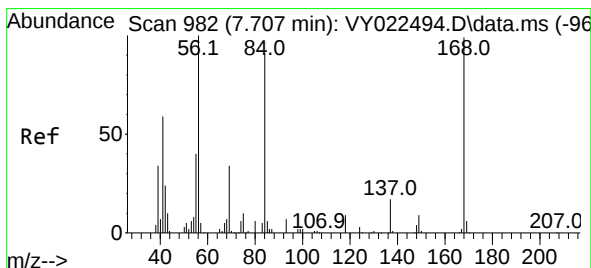
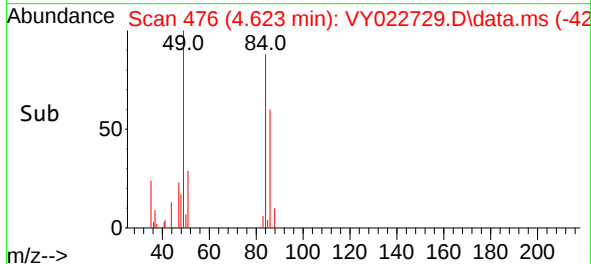
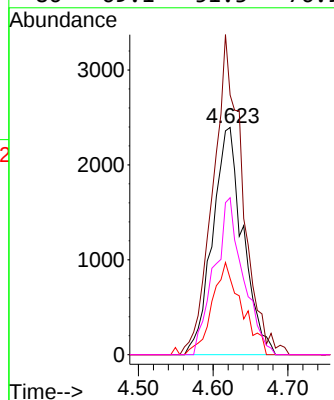
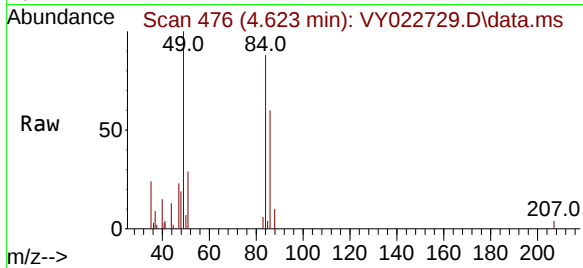


#20
Methylene Chloride
Concen: 5.463 ug/l
RT: 4.623 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY022729.D
Acq: 18 Jun 2025 10:17

Instrument :
MSVOA_Y
ClientSampleId :
VY0618SBL01

Tgt Ion: 84 Resp: 6773

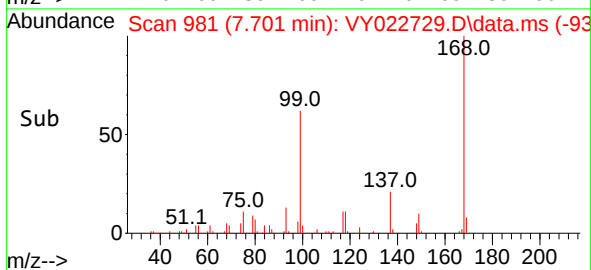
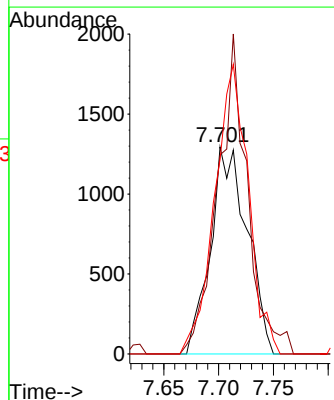
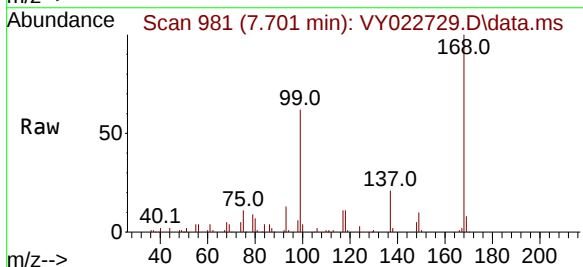
Ion	Ratio	Lower	Upper
84	100		
49	114.3	101.9	152.9
51	33.5	29.8	44.8
86	69.1	51.3	76.9

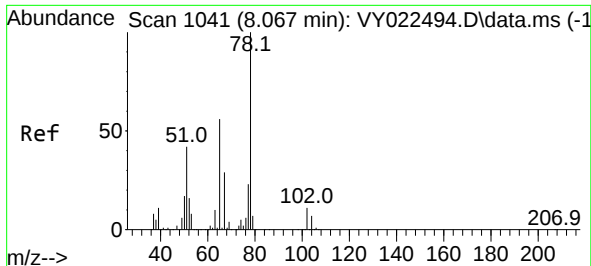


#31
Cyclohexane
Concen: 1.466 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022729.D
Acq: 18 Jun 2025 10:17

Tgt Ion: 56 Resp: 3027

Ion	Ratio	Lower	Upper
56	100		
69	96.1	27.0	40.6#
84	93.8	72.6	109.0

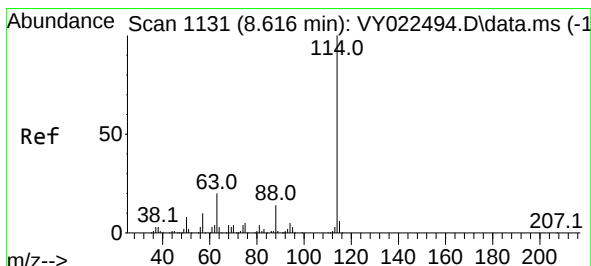
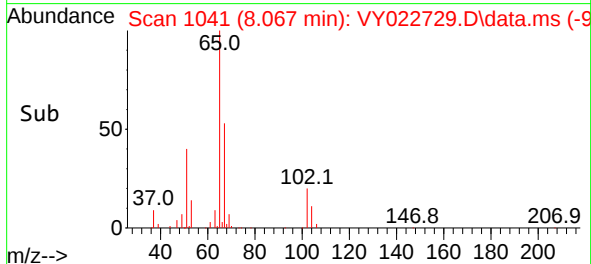
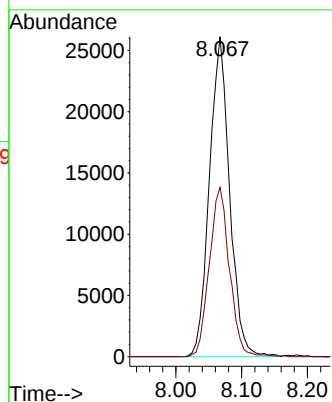
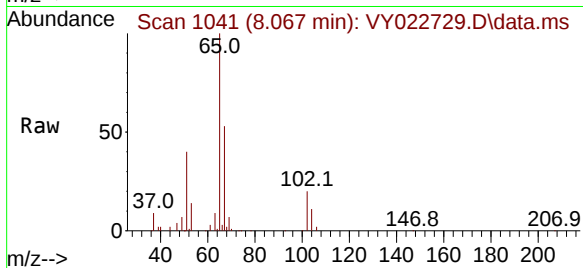




#33
 1,2-Dichloroethane-d4
 Concen: 52.003 ug/l
 RT: 8.067 min Scan# 1041
 Delta R.T. 0.000 min
 Lab File: VY022729.D
 Acq: 18 Jun 2025 10:17

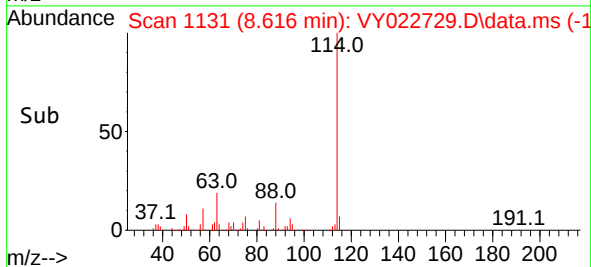
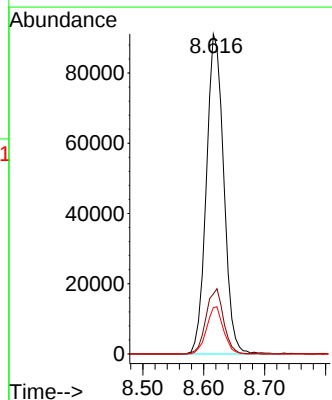
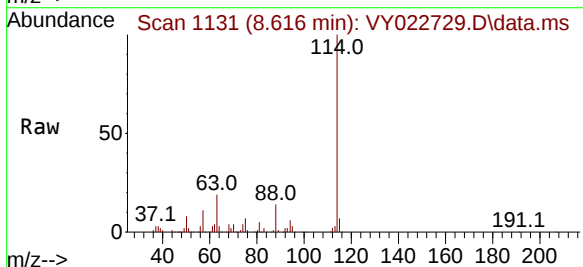
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0618SBL01

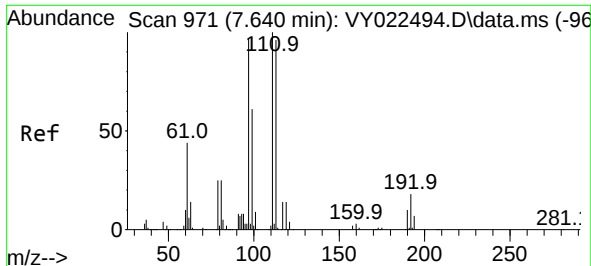
Tgt Ion: 65 Resp: 55888
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY022729.D
 Acq: 18 Jun 2025 10:17

Tgt Ion: 114 Resp: 180436
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 40.8
 88 14.5 0.0 27.8

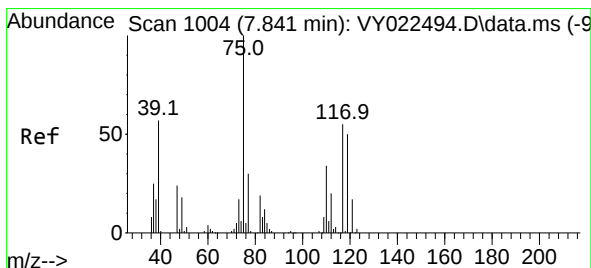
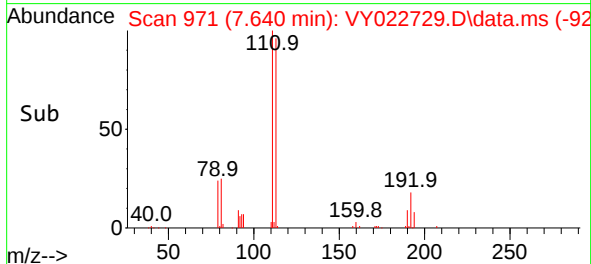
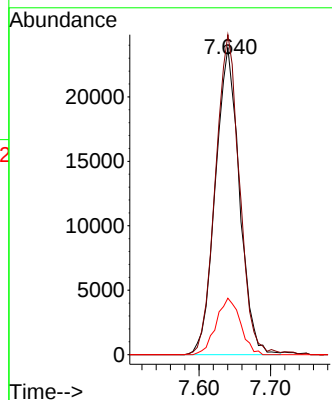
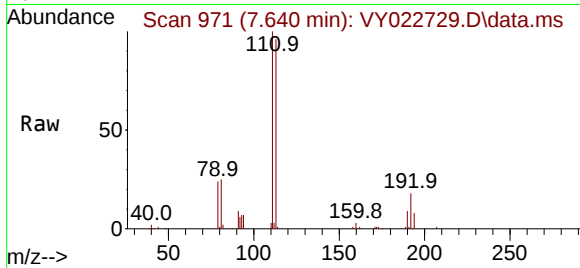




#35
Dibromofluoromethane
Concen: 51.788 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022729.D
Acq: 18 Jun 2025 10:17

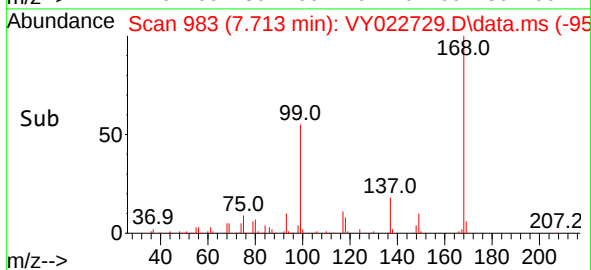
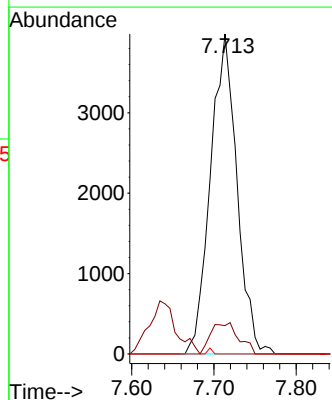
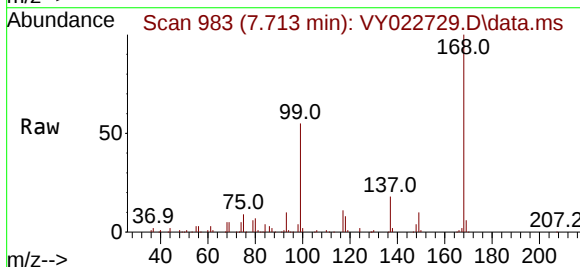
Instrument :
MSVOA_Y
ClientSampleId :
VY0618SBL01

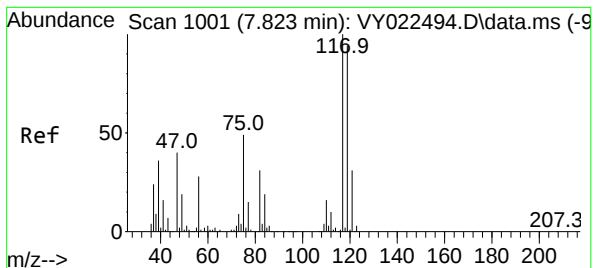
Tgt Ion:113 Resp: 55775
Ion Ratio Lower Upper
113 100
111 104.4 81.1 121.7
192 18.5 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.103 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY022729.D
Acq: 18 Jun 2025 10:17

Tgt Ion: 75 Resp: 8919
Ion Ratio Lower Upper
75 100
110 10.3 16.9 50.7#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.950 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY022729.D

Acq: 18 Jun 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0618SBL01

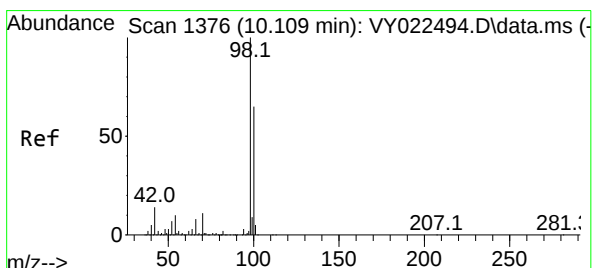
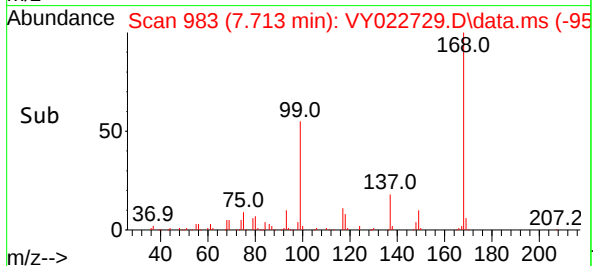
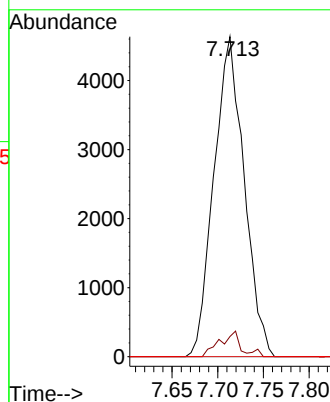
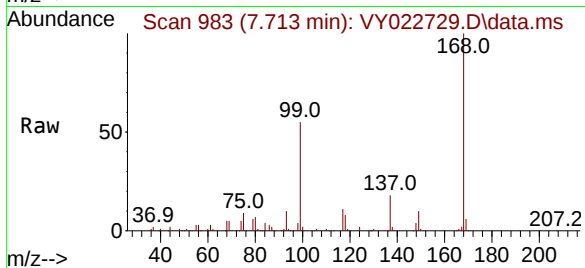
Tgt Ion:117 Resp: 10669

Ion Ratio Lower Upper

117 100

119 6.3 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 49.732 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY022729.D

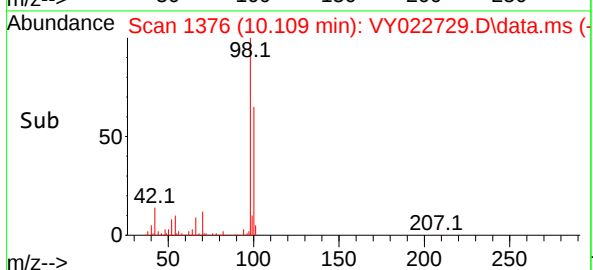
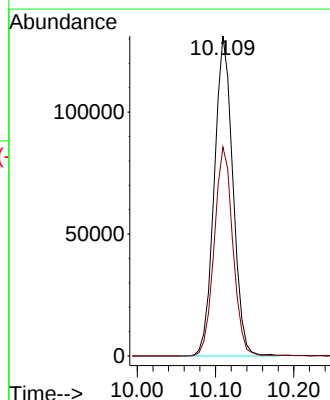
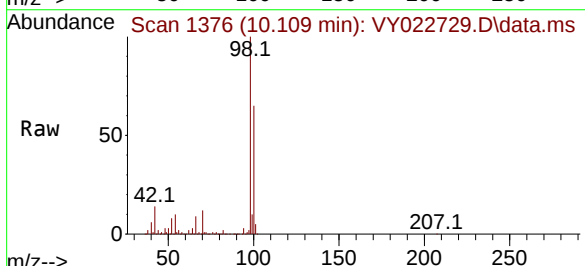
Acq: 18 Jun 2025 10:17

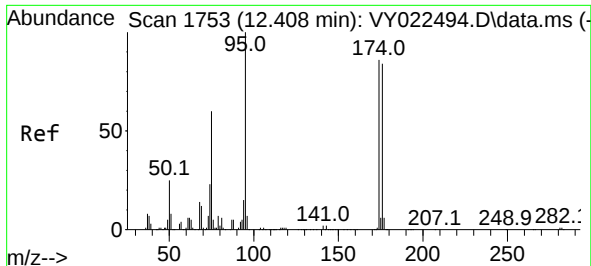
Tgt Ion: 98 Resp: 216421

Ion Ratio Lower Upper

98 100

100 65.6 51.4 77.0

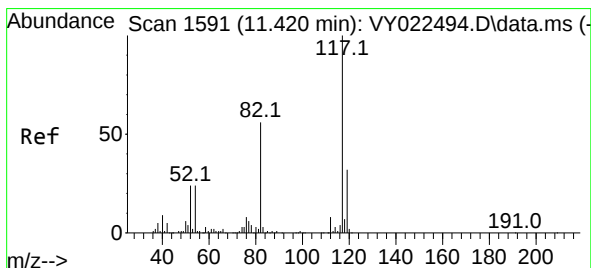
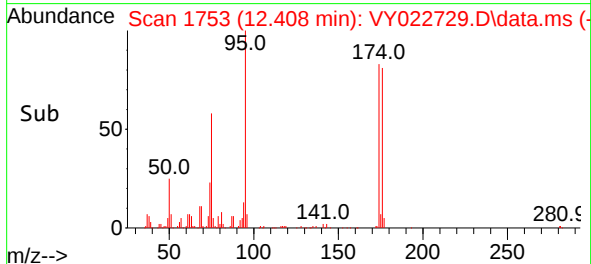
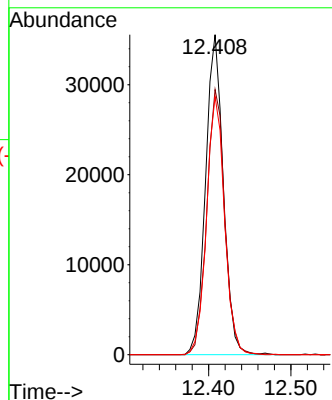
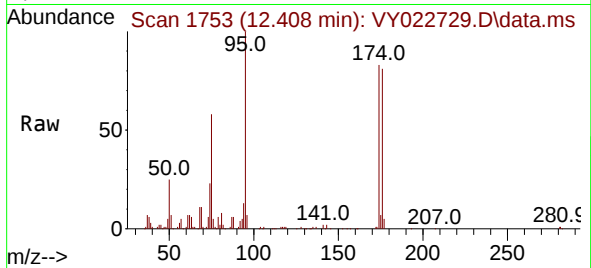




#62
4-Bromofluorobenzene
Concen: 41.008 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022729.D
Acq: 18 Jun 2025 10:17

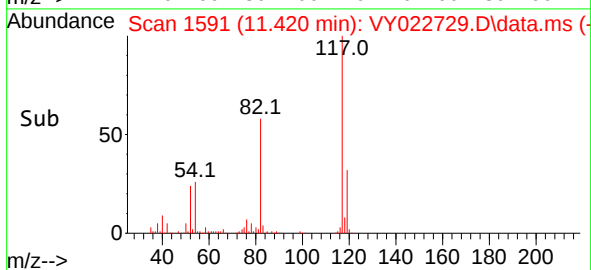
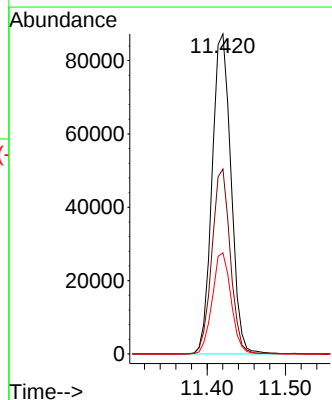
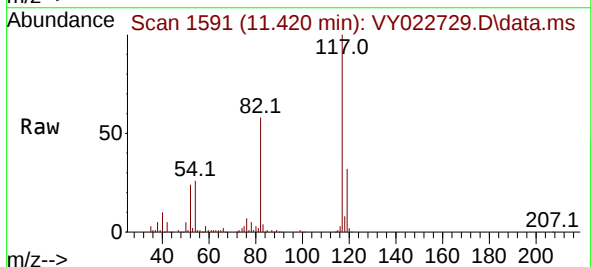
Instrument :
MSVOA_Y
ClientSampleId :
VY0618SBL01

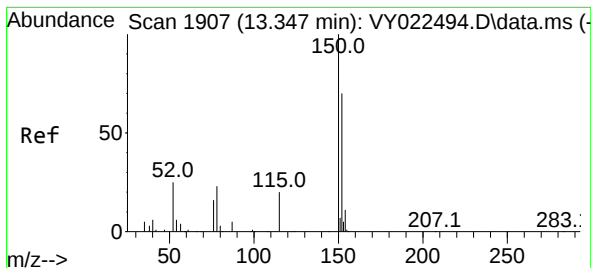
Tgt Ion: 95 Resp: 53170
Ion Ratio Lower Upper
95 100
174 84.5 0.0 170.0
176 82.1 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY022729.D
Acq: 18 Jun 2025 10:17

Tgt Ion: 117 Resp: 146317
Ion Ratio Lower Upper
117 100
82 57.8 44.6 66.8
119 31.6 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: VY022729.D

Acq: 18 Jun 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0618SBL01

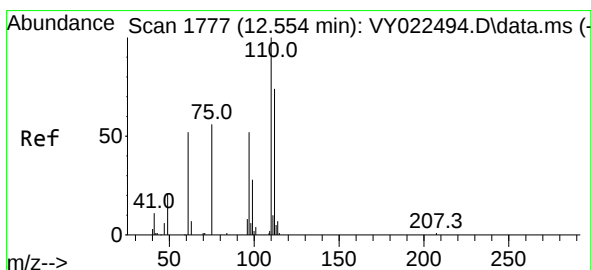
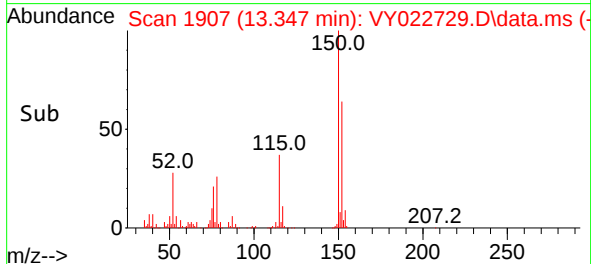
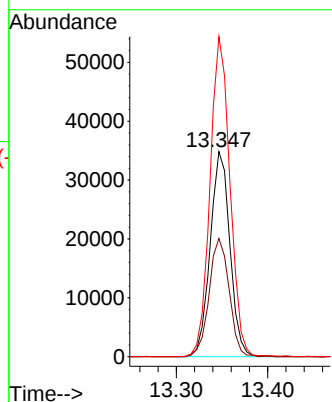
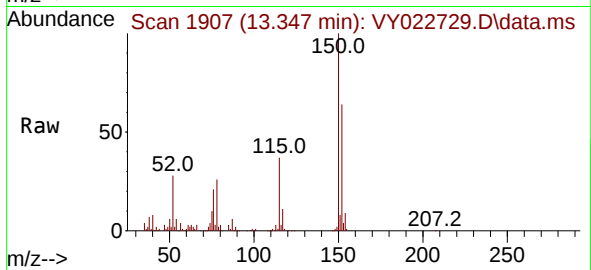
Tgt Ion:152 Resp: 52221

Ion Ratio Lower Upper

152 100

115 58.3 28.9 86.7

150 157.6 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 53.106 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022729.D

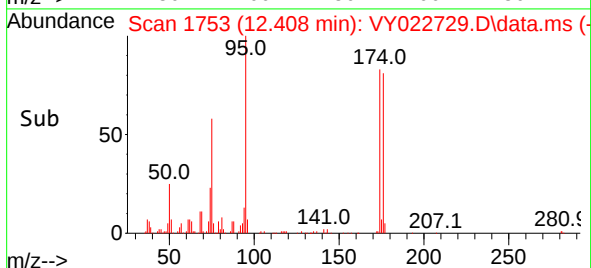
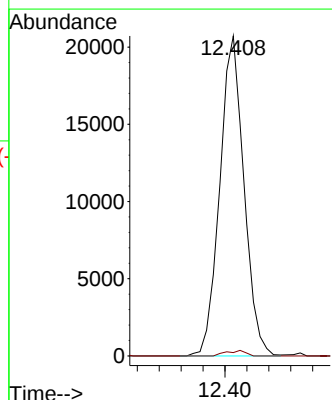
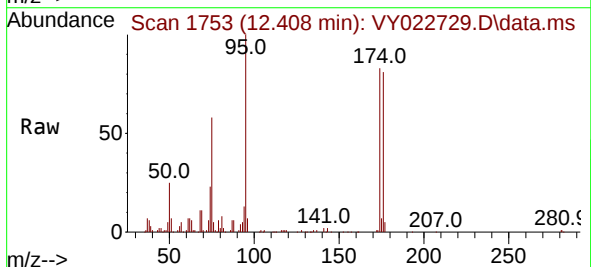
Acq: 18 Jun 2025 10:17

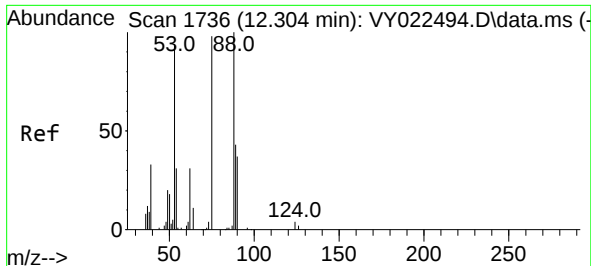
Tgt Ion: 75 Resp: 31727

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

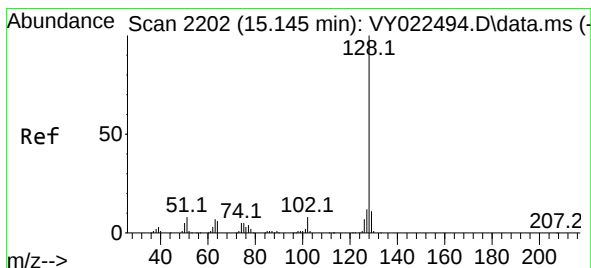
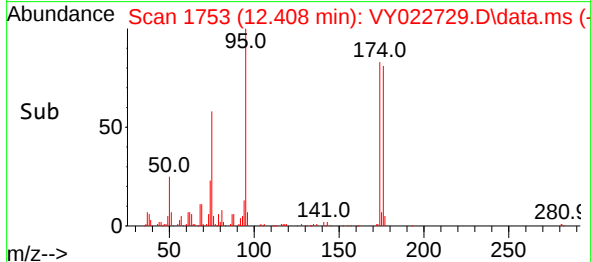
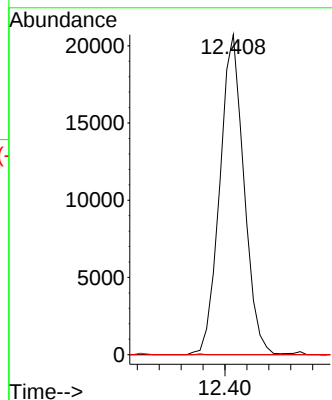
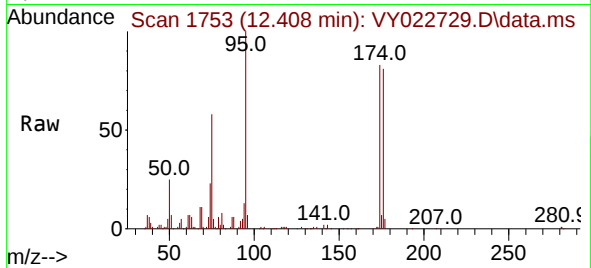




#81
trans-1,4-Dichloro-2-butene
Concen: 128.248 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022729.D
Acq: 18 Jun 2025 10:17

Instrument :
MSVOA_Y
ClientSampleId :
VY0618SBL01

Tgt Ion: 75 Resp: 31727
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#



#95
Naphthalene
Concen: 1.133 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY022729.D
Acq: 18 Jun 2025 10:17

Tgt Ion: 128 Resp: 1845
Ion Ratio Lower Upper
128 100
127 13.9 10.4 15.6
129 12.8 8.9 13.3

