

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061825\
 Data File : VY022735.D
 Acq On : 18 Jun 2025 13:02
 Operator : SY/MD
 Sample : Q2347-03
 Misc : 3.91g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-10-VOC

Quant Time: Jun 19 04:00:12 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)

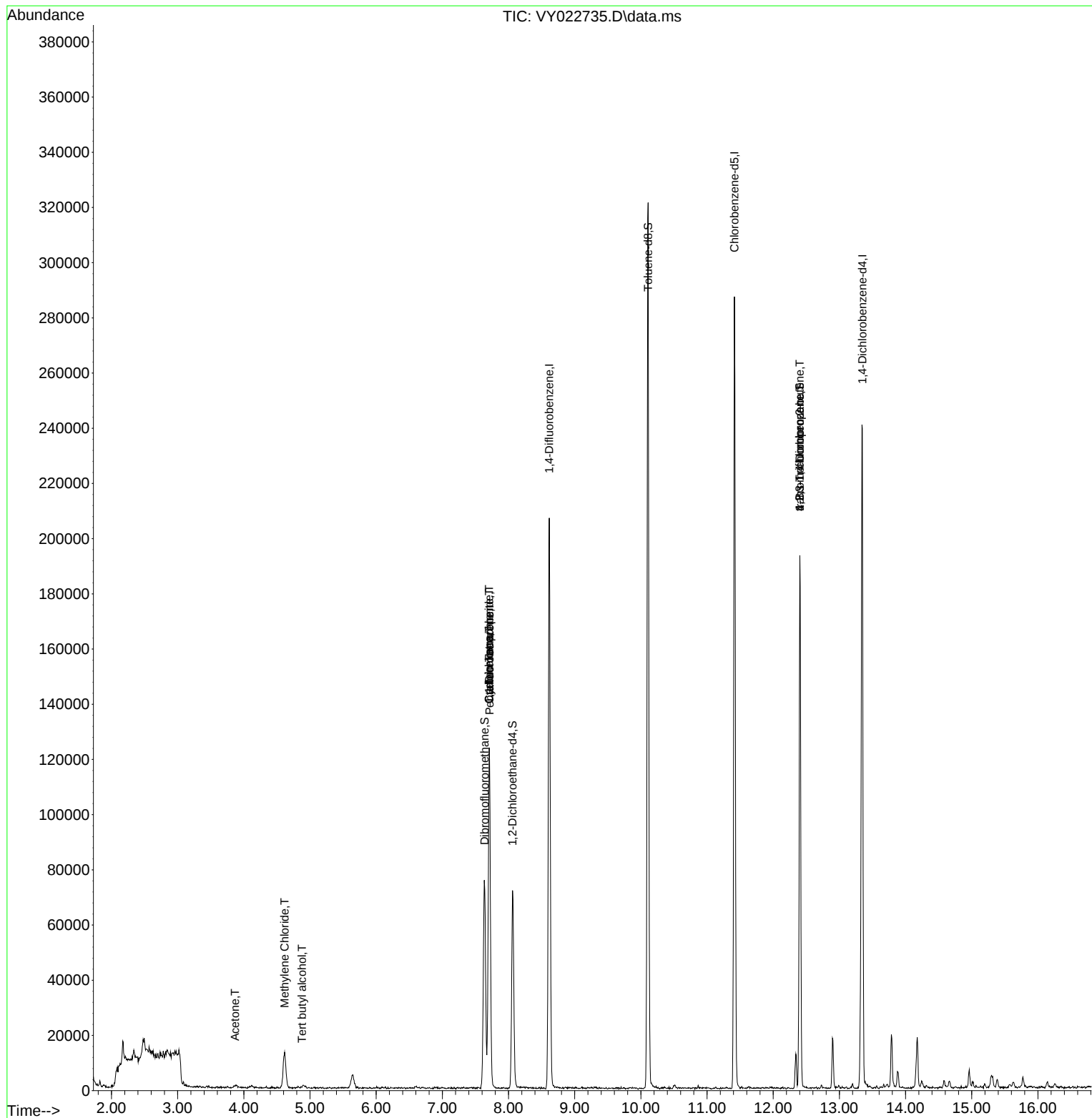
Internal Standards						
1) Pentafluorobenzene	7.713	168	90024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	165814	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	140583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	55850	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	53408	53.044	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.080%	
35) Dibromofluoromethane	7.640	113	51869	52.408	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.820%	
50) Toluene-d8	10.109	98	204999	51.262	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.520%	
62) 4-Bromofluorobenzene	12.401	95	52586	44.134	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.260%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.878	59	100	1.391	ug/l #	73
16) Acetone	3.866	43	968	4.734	ug/l #	87
20) Methylene Chloride	4.616	84	8666	7.461	ug/l	88
31) Cyclohexane	7.707	56	2874	1.485	ug/l #	47
36) 1,1-Dichloropropene	7.707	75	8637	5.377	ug/l #	48
38) Carbon Tetrachloride	7.707	117	9228	5.600	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	30208	47.278	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	30208	114.173	ug/l #	10

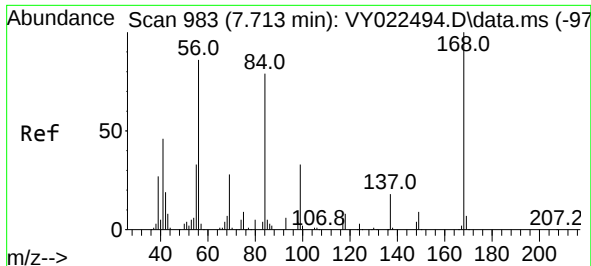
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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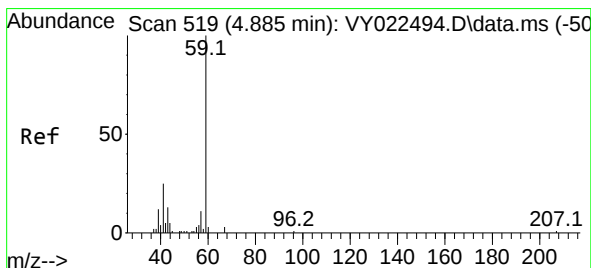
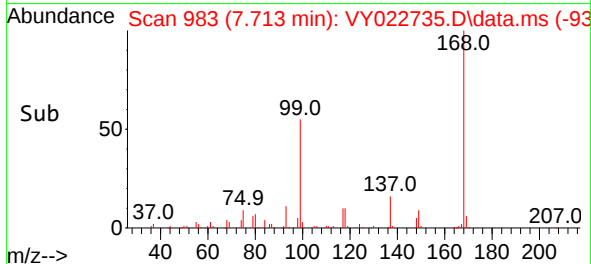
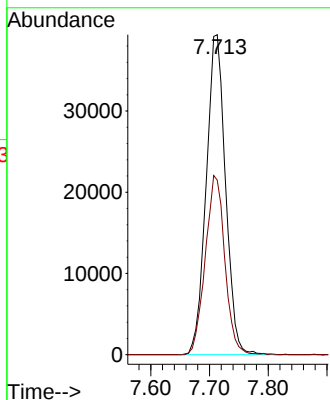
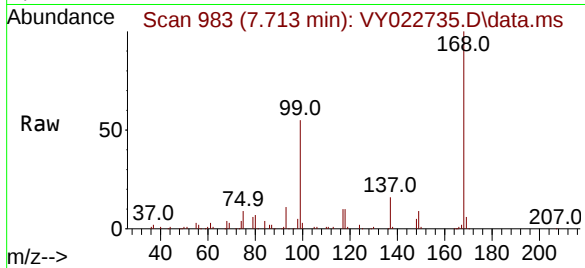




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022735.D
Acq: 18 Jun 2025 13:02

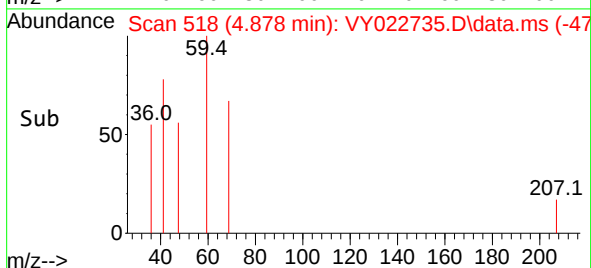
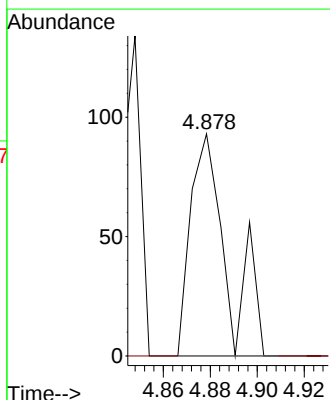
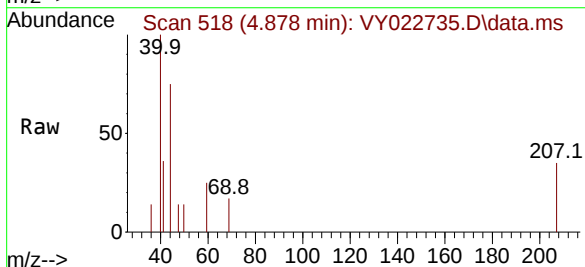
Instrument :
MSVOA_Y
ClientSampleId :
TP-10-VOC

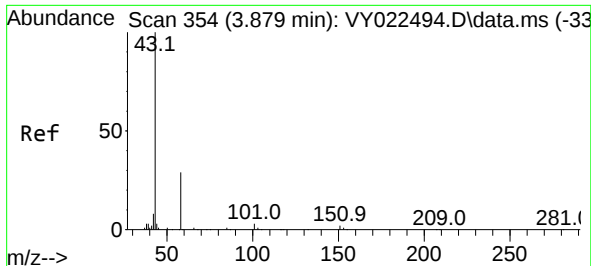
Tgt Ion:168 Resp: 90024
Ion Ratio Lower Upper
168 100
99 54.5 44.3 66.5



#11
Tert butyl alcohol
Concen: 1.391 ug/l
RT: 4.878 min Scan# 518
Delta R.T. -0.006 min
Lab File: VY022735.D
Acq: 18 Jun 2025 13:02

Tgt Ion: 59 Resp: 100
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

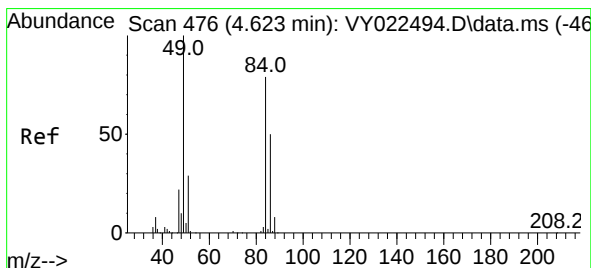
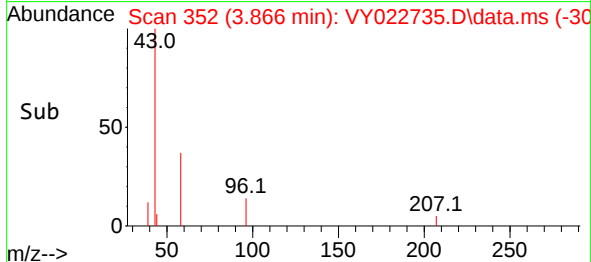
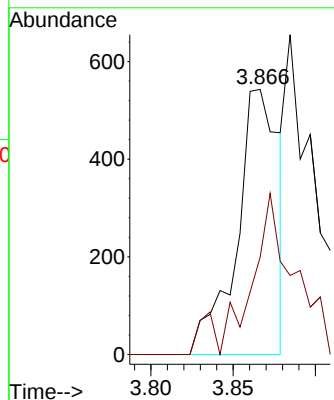
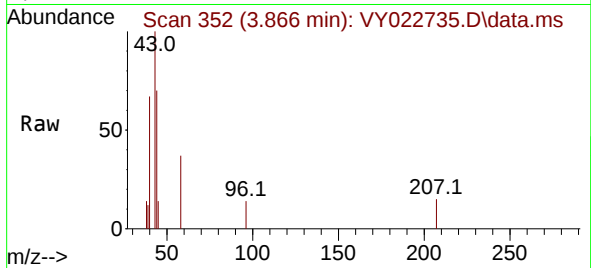




#16
Acetone
Concen: 4.734 ug/l
RT: 3.866 min Scan# 316
Delta R.T. -0.012 min
Lab File: VY022735.D
Acq: 18 Jun 2025 13:02

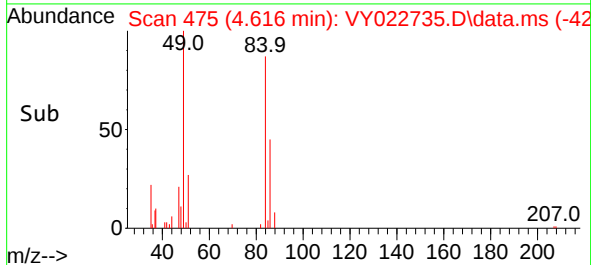
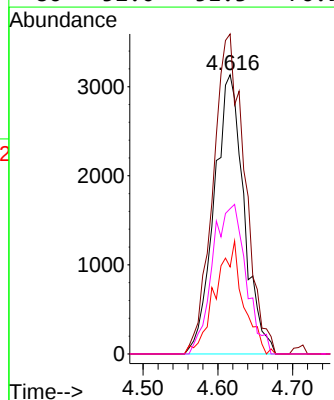
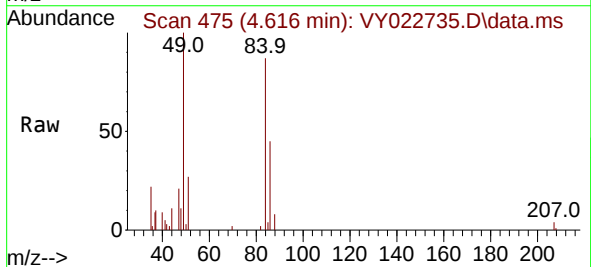
Instrument :
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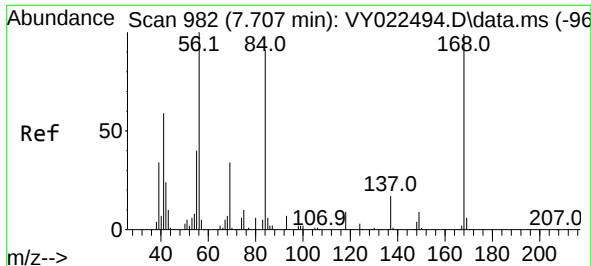
Tgt Ion: 43 Resp: 968
Ion Ratio Lower Upper
43 100
58 36.8 24.0 36.0#



#20
Methylene Chloride
Concen: 7.461 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022735.D
Acq: 18 Jun 2025 13:02

Tgt Ion: 84 Resp: 8666
Ion Ratio Lower Upper
84 100
49 114.6 101.9 152.9
51 31.2 29.8 44.8
86 52.0 51.3 76.9

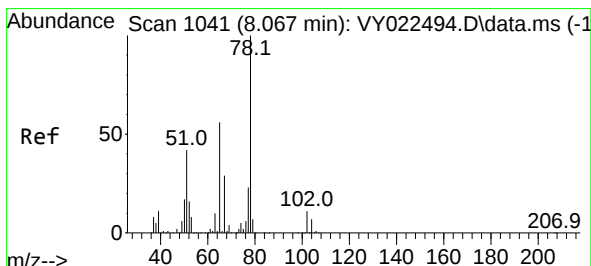
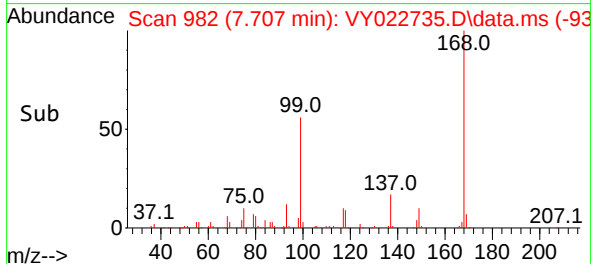
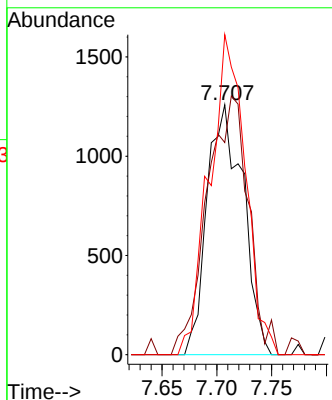
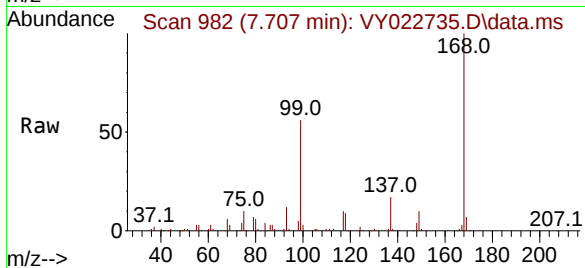




#31
Cyclohexane
Concen: 1.485 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022735.D
Acq: 18 Jun 2025 13:02

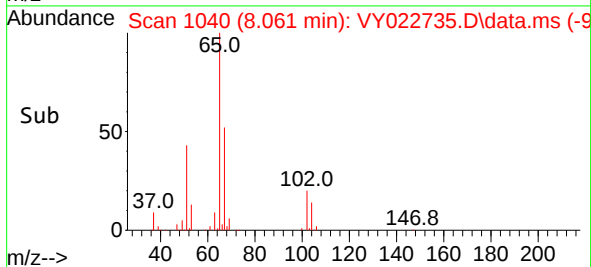
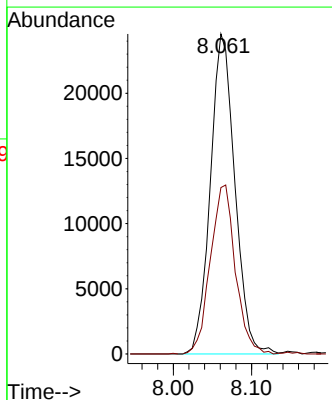
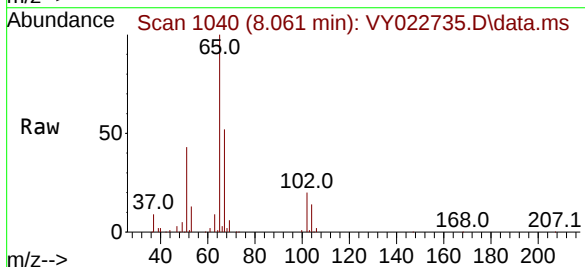
Instrument :
MSVOA_Y
ClientSampleId :
TP-10-VOC

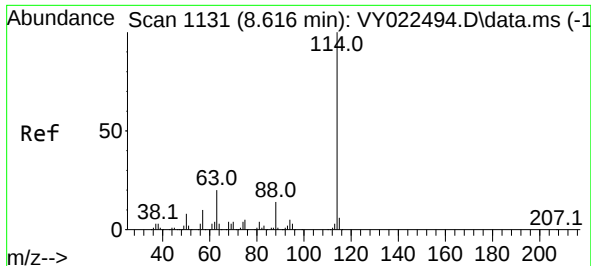
Tgt Ion: 56 Resp: 2874
Ion Ratio Lower Upper
56 100
69 84.9 27.0 40.6#
84 128.0 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 53.044 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022735.D
Acq: 18 Jun 2025 13:02

Tgt Ion: 65 Resp: 53408
Ion Ratio Lower Upper
65 100
67 53.8 0.0 103.4

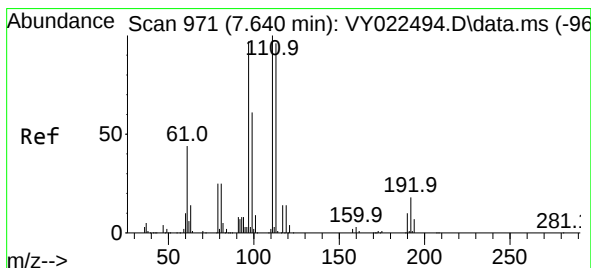
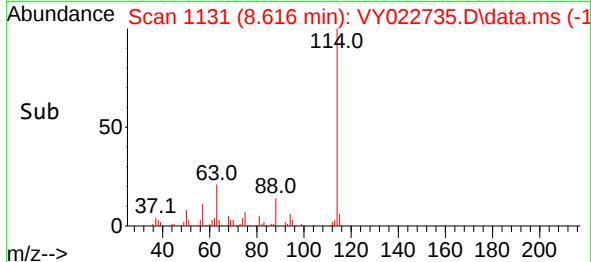
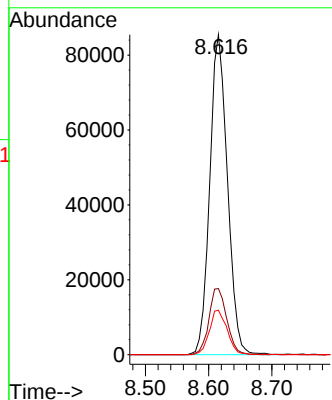
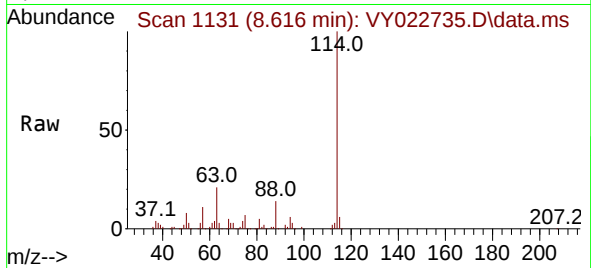




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022735.D
Acq: 18 Jun 2025 13:02

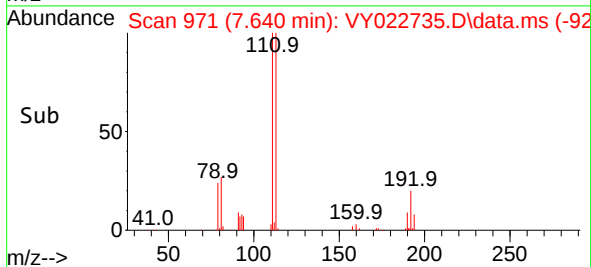
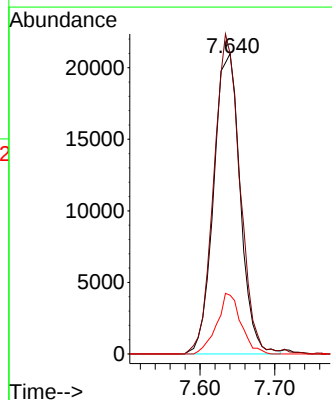
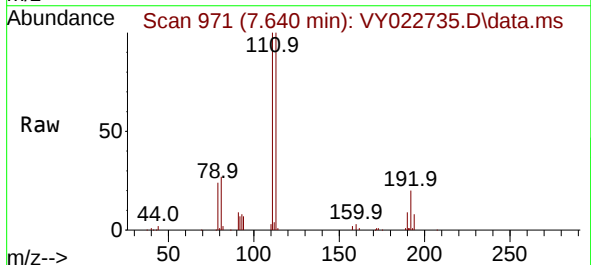
Instrument :
MSVOA_Y
ClientSampleId :
TP-10-VOC

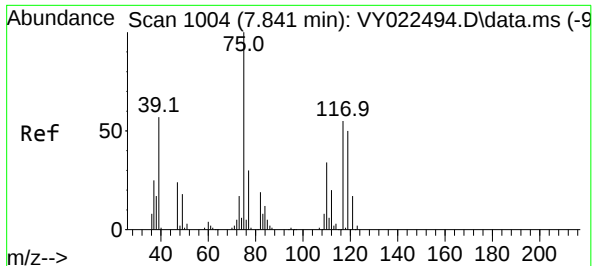
Tgt Ion:114 Resp: 165814
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 13.9 0.0 27.8



#35
Dibromofluoromethane
Concen: 52.408 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022735.D
Acq: 18 Jun 2025 13:02

Tgt Ion:113 Resp: 51869
Ion Ratio Lower Upper
113 100
111 105.1 81.1 121.7
192 18.3 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.377 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.134 min

Lab File: VY022735.D

Acq: 18 Jun 2025 13:02

Instrument :

MSVOA_Y

ClientSampleId :

TP-10-VOC

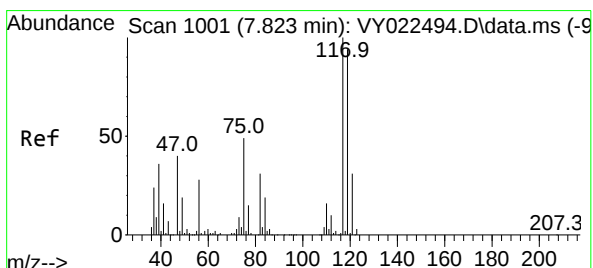
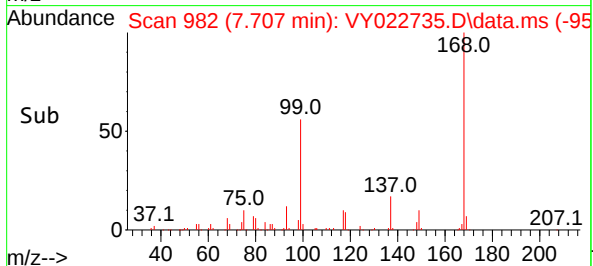
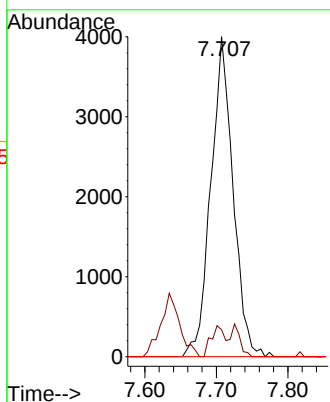
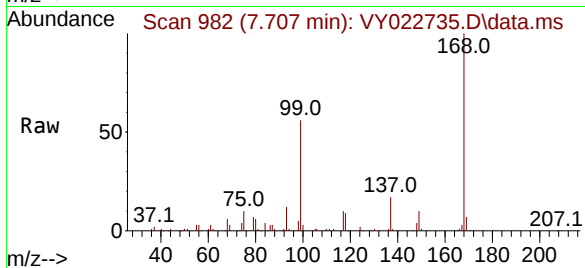
Tgt Ion: 75 Resp: 8637

Ion Ratio Lower Upper

75 100

110 5.9 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.600 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022735.D

Acq: 18 Jun 2025 13:02

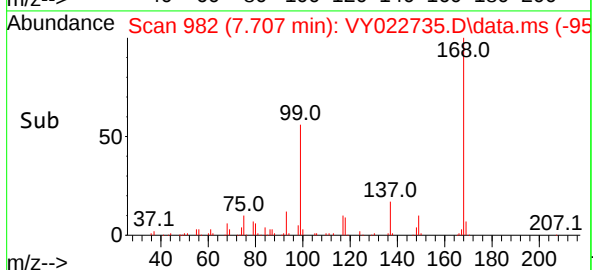
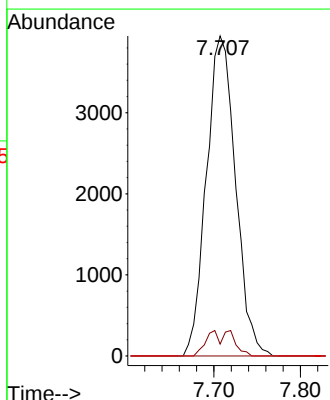
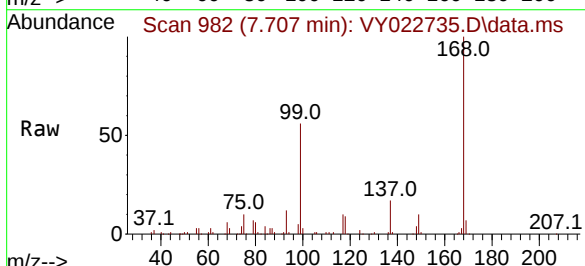
Tgt Ion: 117 Resp: 9228

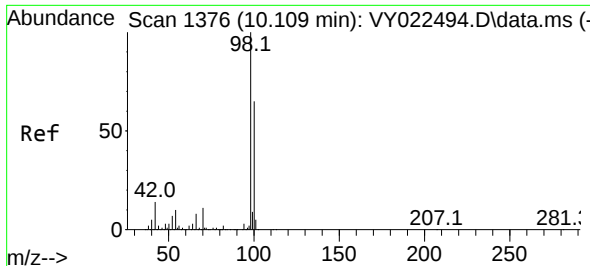
Ion Ratio Lower Upper

117 100

119 3.7 75.0 112.6#

121 0.0 25.0 37.4#

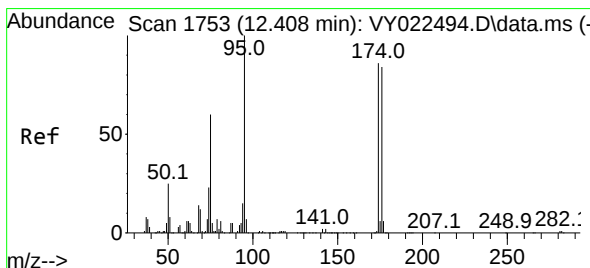
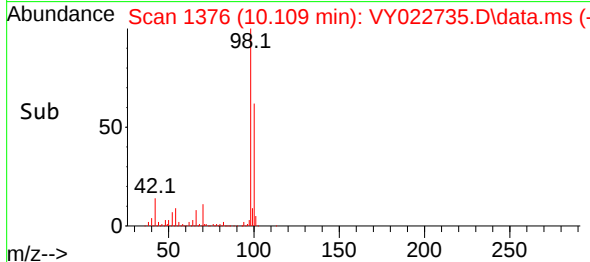
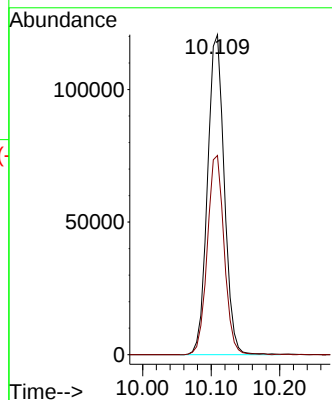
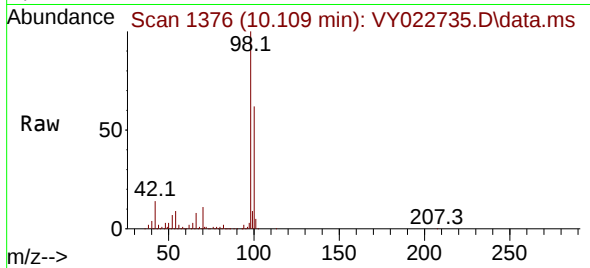




#50
Toluene-d8
Concen: 51.262 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022735.D
Acq: 18 Jun 2025 13:02

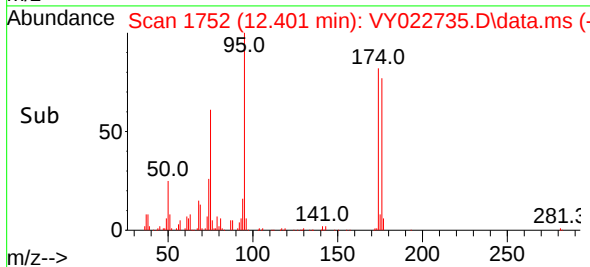
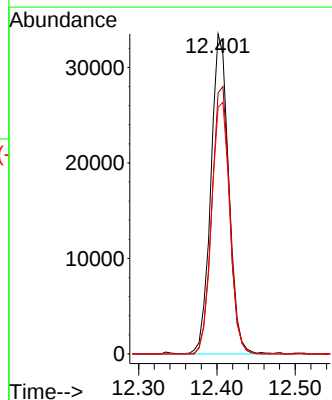
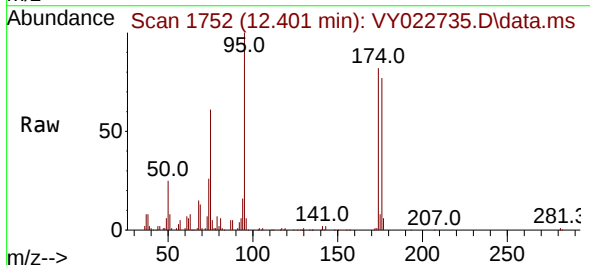
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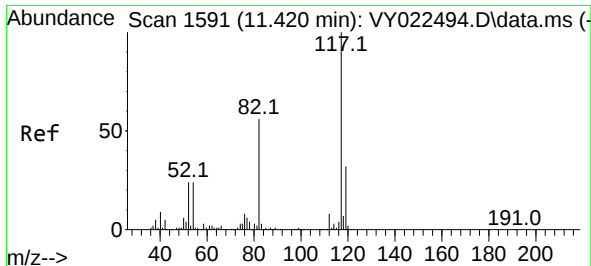
Tgt Ion: 98 Resp: 204999
Ion Ratio Lower Upper
98 100
100 62.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 44.134 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022735.D
Acq: 18 Jun 2025 13:02

Tgt Ion: 95 Resp: 52586
Ion Ratio Lower Upper
95 100
174 85.3 0.0 170.0
176 80.7 0.0 166.2

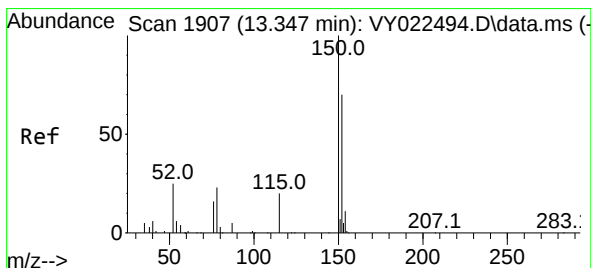
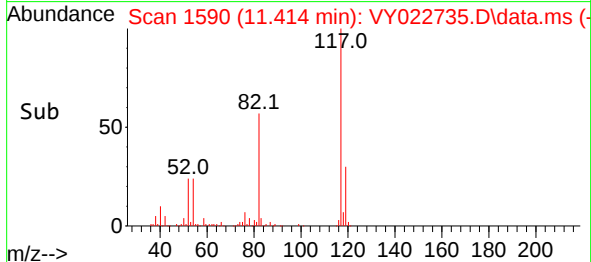
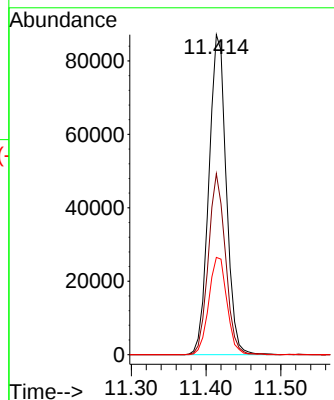
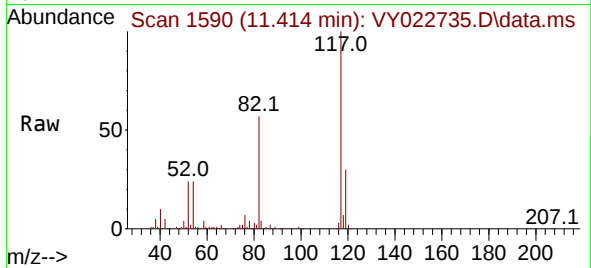




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VY022735.D
Acq: 18 Jun 2025 13:02

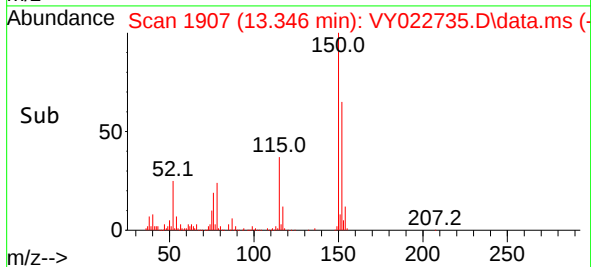
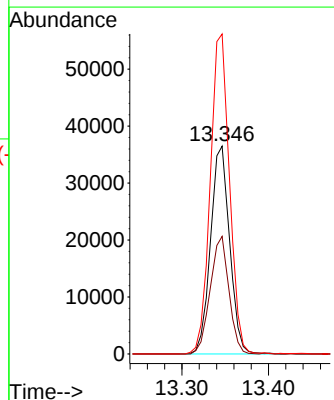
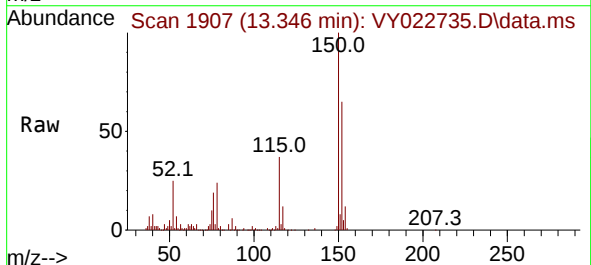
Instrument :
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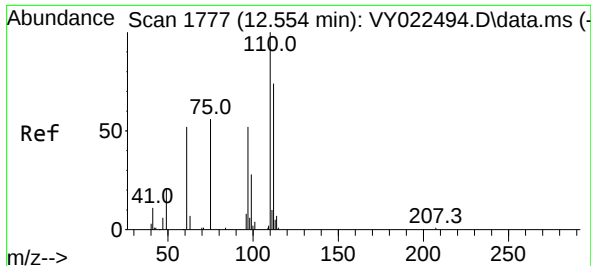
Tgt Ion:117 Resp: 140583
Ion Ratio Lower Upper
117 100
82 56.6 44.6 66.8
119 30.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022735.D
Acq: 18 Jun 2025 13:02

Tgt Ion:152 Resp: 55850
Ion Ratio Lower Upper
152 100
115 55.4 28.9 86.7
150 154.7 0.0 349.6

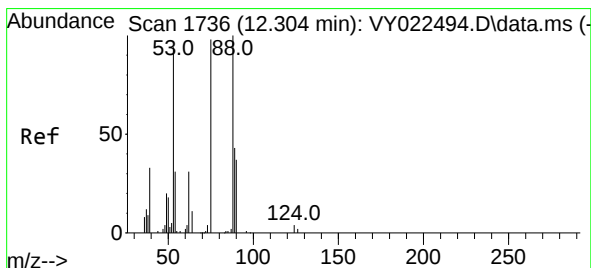
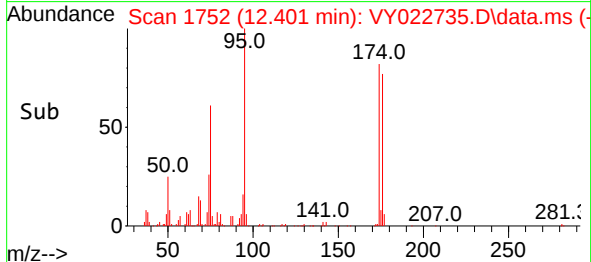
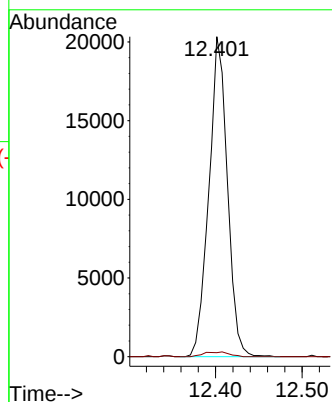
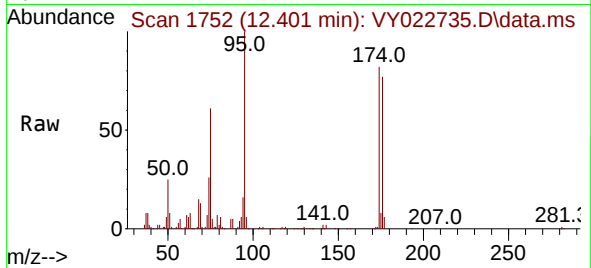




#76
1,2,3-Trichloropropane
Concen: 47.278 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022735.D
Acq: 18 Jun 2025 13:02

Instrument :
MSVOA_Y
ClientSampleId :
TP-10-VOC

Tgt Ion: 75 Resp: 30208
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.173 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022735.D
Acq: 18 Jun 2025 13:02

Tgt Ion: 75 Resp: 30208
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#

