

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022627.D
 Acq On : 09 Jun 2025 13:59
 Operator : SY/MD
 Sample : Q2242-02
 Misc : 6.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP09-MHJ-VOC

Quant Time: Jun 10 01:29:17 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)

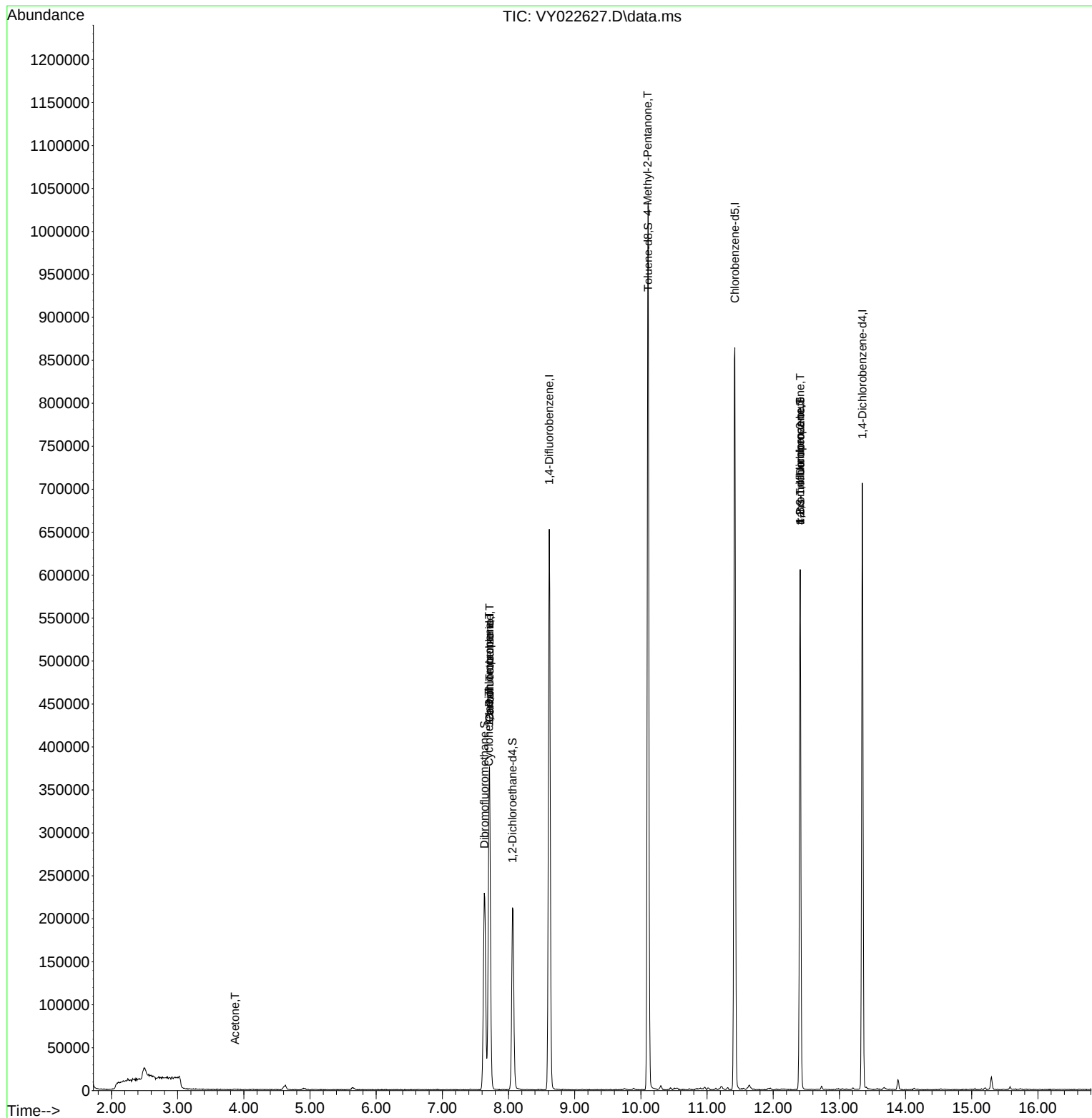
Internal Standards						
1) Pentafluorobenzene	7.713	168	280959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	521463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	429167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	156297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	162466	51.702	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.400%	
35) Dibromofluoromethane	7.634	113	159680	51.303	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.600%	
50) Toluene-d8	10.109	98	641581	51.014	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.020%	
62) 4-Bromofluorobenzene	12.408	95	160260	42.768	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.540%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	777	1.218	ug/l #	66
31) Cyclohexane	7.701	56	7897	1.308	ug/l #	58
36) 1,1-Dichloropropene	7.707	75	25602	5.068	ug/l #	51
38) Carbon Tetrachloride	7.713	117	28512	5.502	ug/l #	18
51) 4-Methyl-2-Pentanone	10.103	43	3441	1.419	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	94433	52.812	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	94433	127.538	ug/l #	10

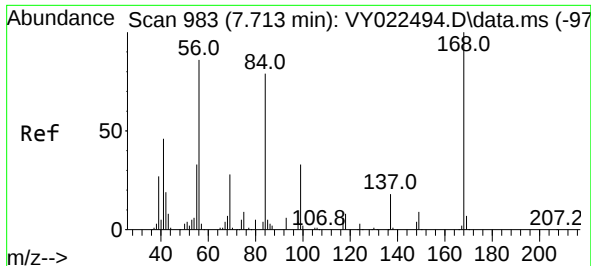
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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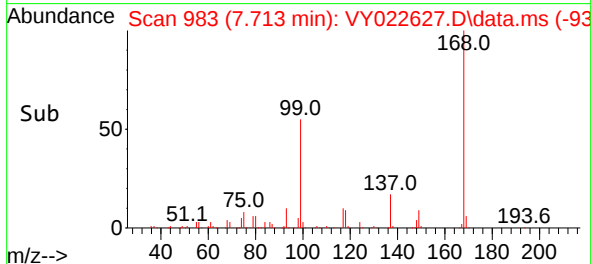
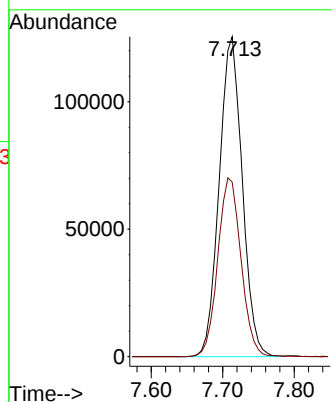
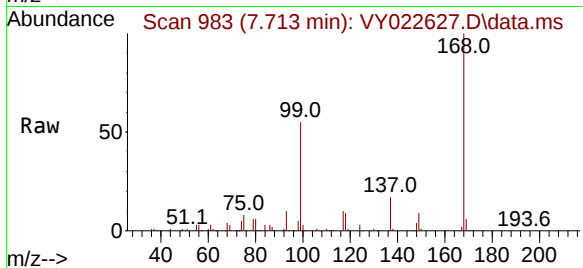




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022627.D
Acq: 09 Jun 2025 13:59

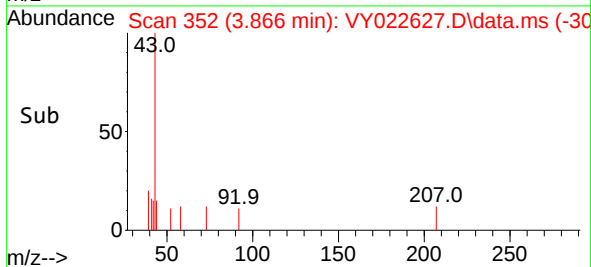
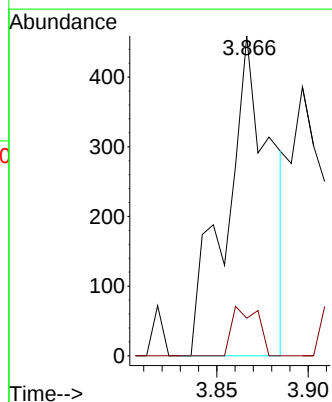
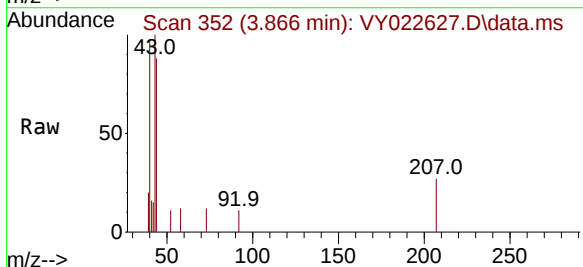
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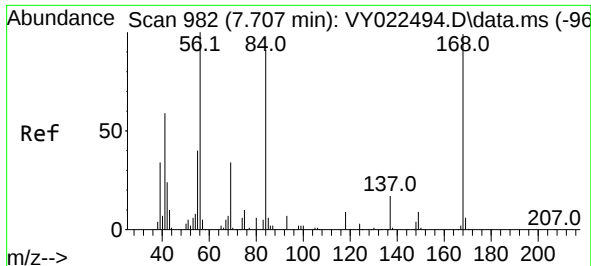
Tgt Ion:168 Resp: 280959
Ion Ratio Lower Upper
168 100
99 54.5 44.3 66.5



#16
Acetone
Concen: 1.218 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022627.D
Acq: 09 Jun 2025 13:59

Tgt Ion: 43 Resp: 777
Ion Ratio Lower Upper
43 100
58 11.8 24.0 36.0#

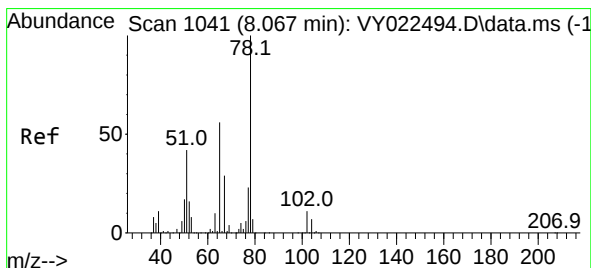
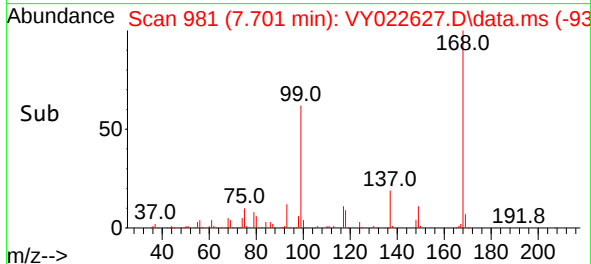
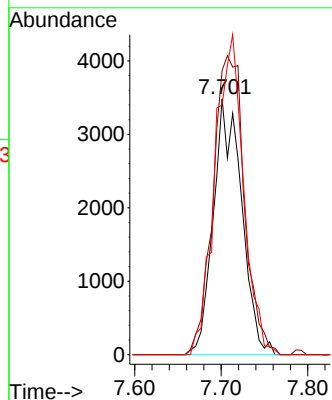
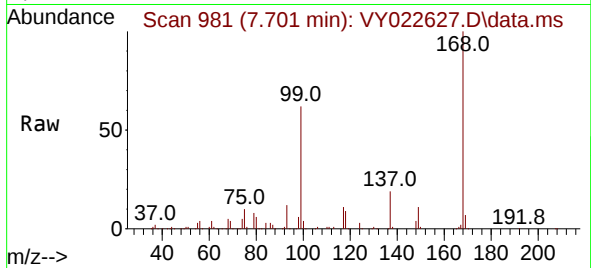




#31
Cyclohexane
Concen: 1.308 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022627.D
Acq: 09 Jun 2025 13:59

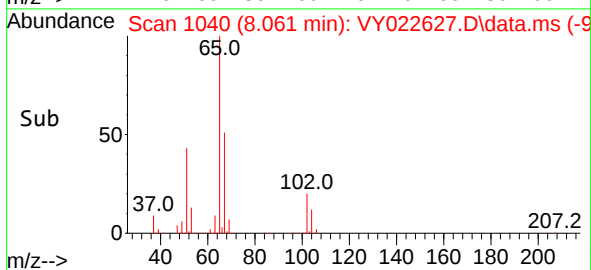
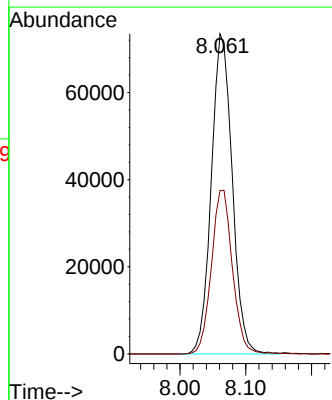
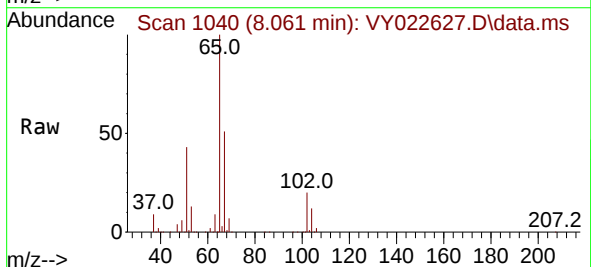
Instrument :
MSVOA_Y
ClientSampleId :
TP09-MHJ-VOC

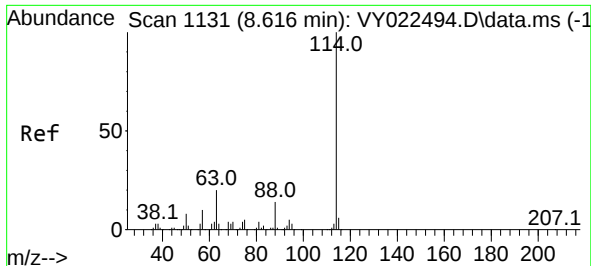
Tgt Ion: 56 Resp: 7897
Ion Ratio Lower Upper
56 100
69 111.1 27.0 40.6#
84 97.6 72.6 109.0



#33
1,2-Dichloroethane-d4
Concen: 51.702 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022627.D
Acq: 09 Jun 2025 13:59

Tgt Ion: 65 Resp: 162466
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4

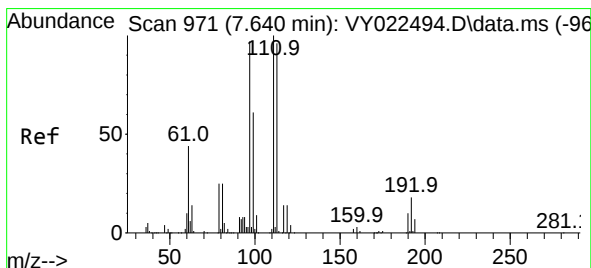
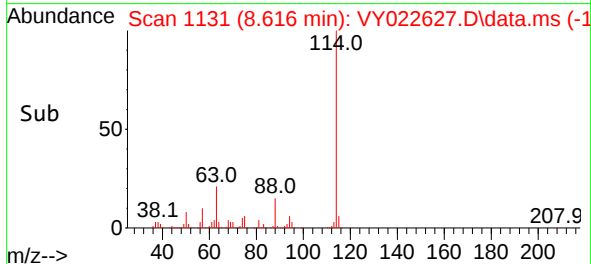
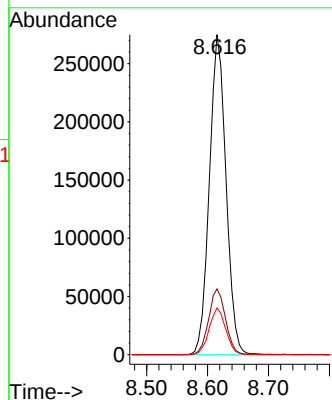
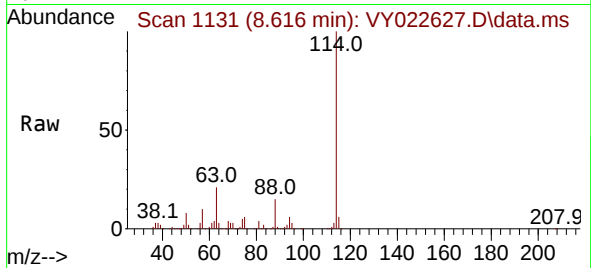




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022627.D
Acq: 09 Jun 2025 13:59

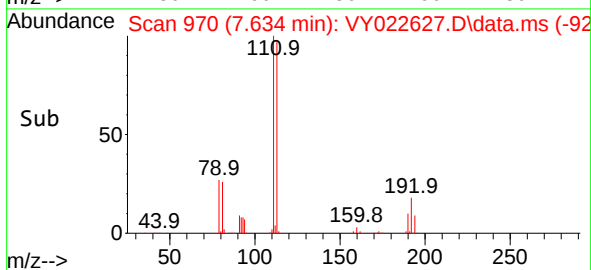
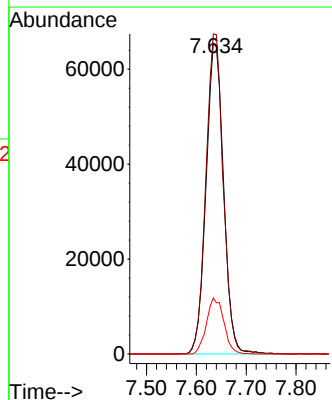
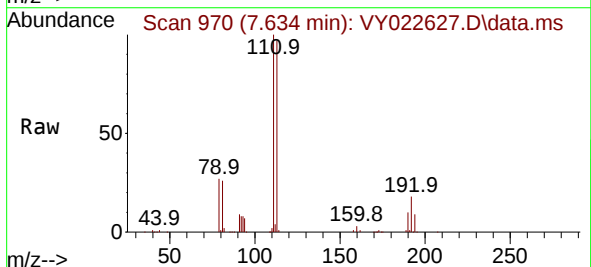
Instrument :
MSVOA_Y
ClientSampleId :
TP09-MHJ-VOC

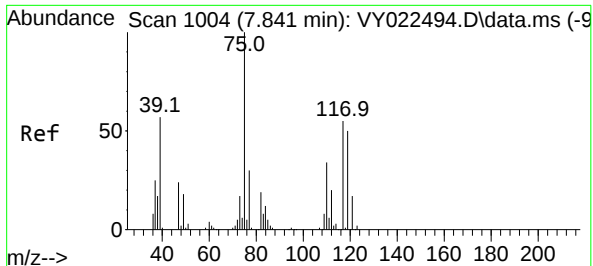
Tgt Ion:114 Resp: 521463
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 14.6 0.0 27.8



#35
Dibromofluoromethane
Concen: 51.303 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022627.D
Acq: 09 Jun 2025 13:59

Tgt Ion:113 Resp: 159680
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 17.9 14.2 21.2

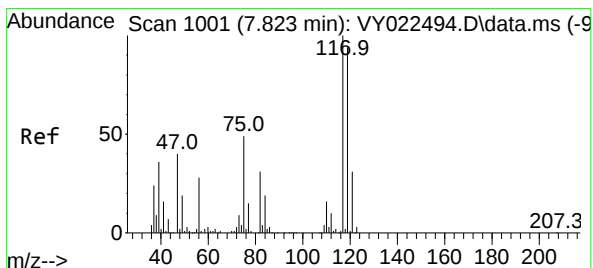
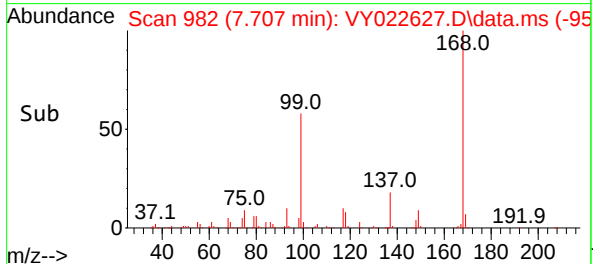
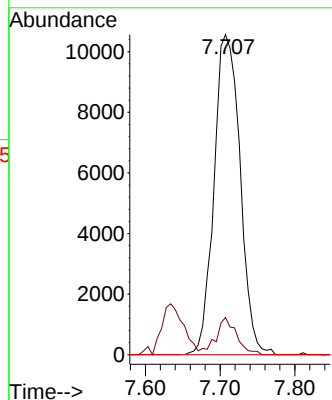
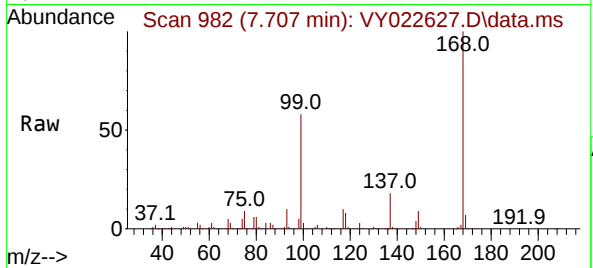




#36
1,1-Dichloropropene
Concen: 5.068 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY022627.D
Acq: 09 Jun 2025 13:59

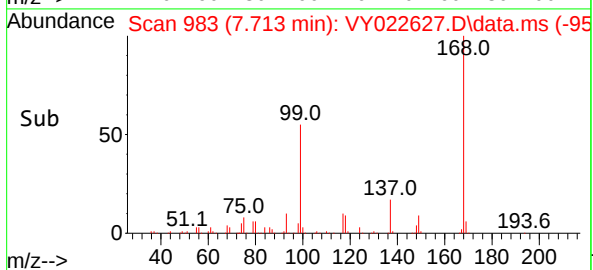
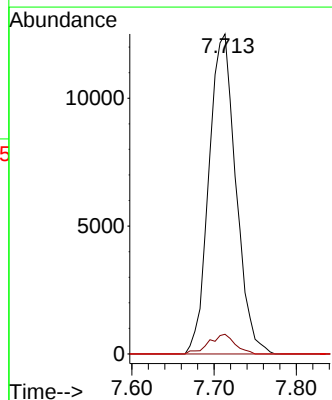
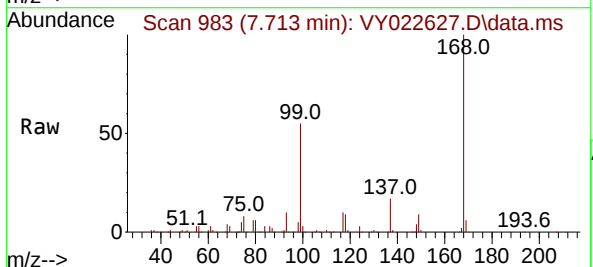
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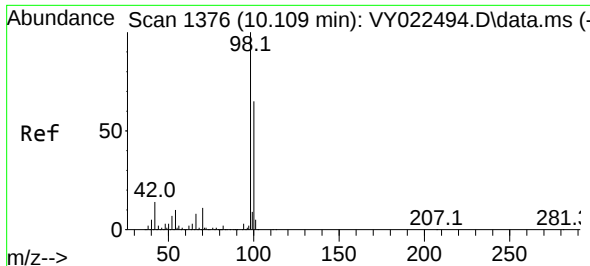
Tgt Ion: 75 Resp: 25602
Ion Ratio Lower Upper
75 100
110 9.2 16.9 50.7#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.502 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.110 min
Lab File: VY022627.D
Acq: 09 Jun 2025 13:59

Tgt Ion: 117 Resp: 28512
Ion Ratio Lower Upper
117 100
119 6.2 75.0 112.6#
121 0.0 25.0 37.4#

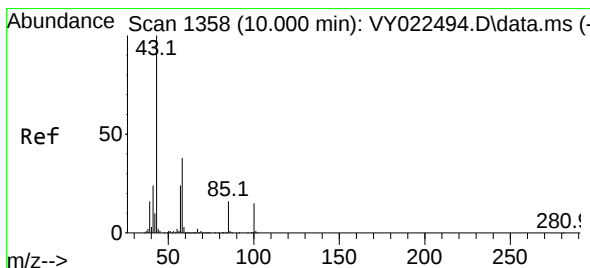
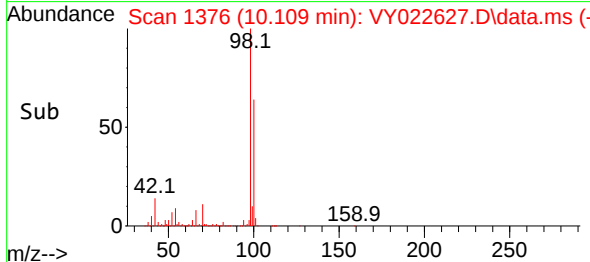
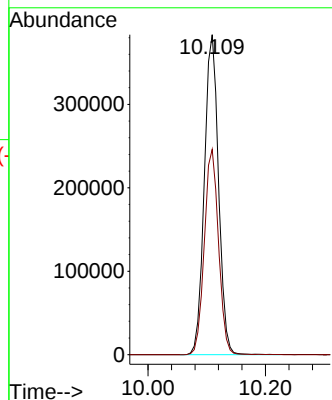
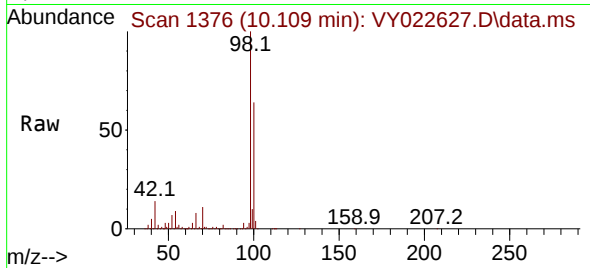




#50
Toluene-d8
Concen: 51.014 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022627.D
Acq: 09 Jun 2025 13:59

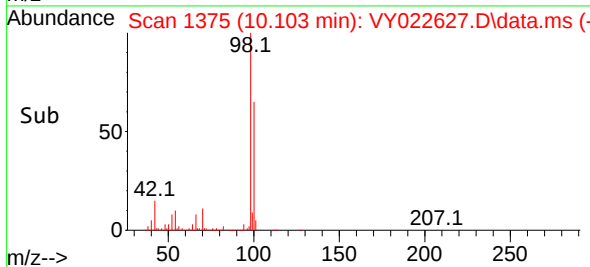
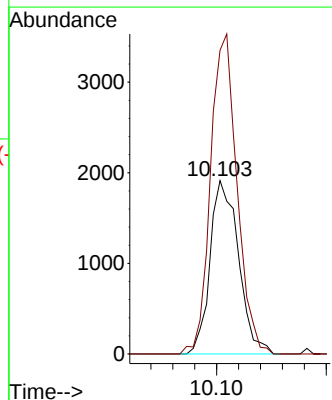
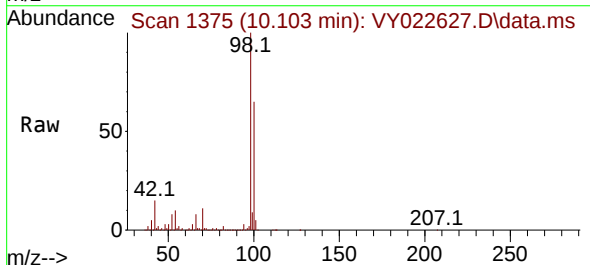
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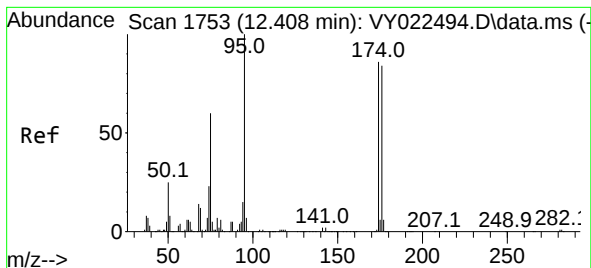
Tgt Ion: 98 Resp: 641581
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.419 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.103 min
Lab File: VY022627.D
Acq: 09 Jun 2025 13:59

Tgt Ion: 43 Resp: 3441
Ion Ratio Lower Upper
43 100
58 172.1 30.4 45.6#

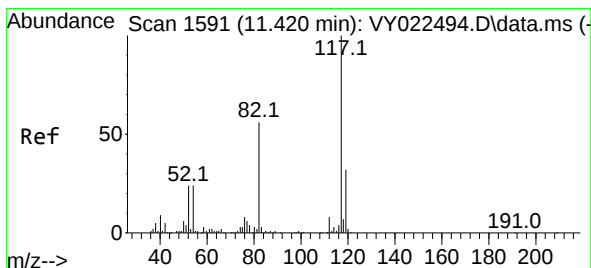
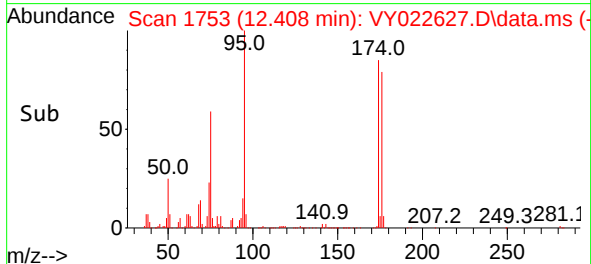
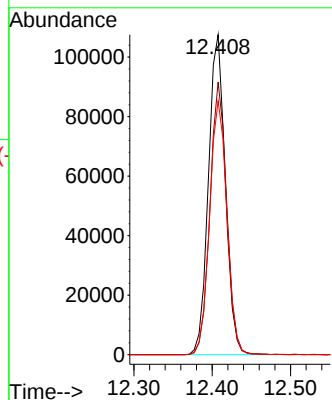
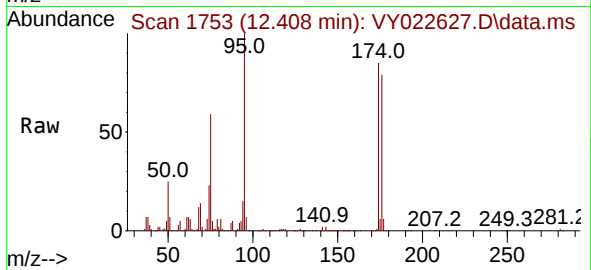




#62
4-Bromofluorobenzene
Concen: 42.768 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022627.D
Acq: 09 Jun 2025 13:59

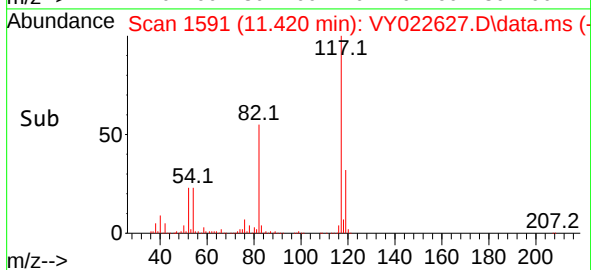
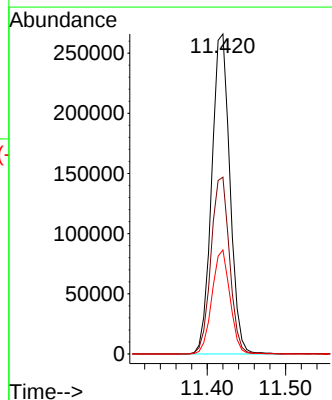
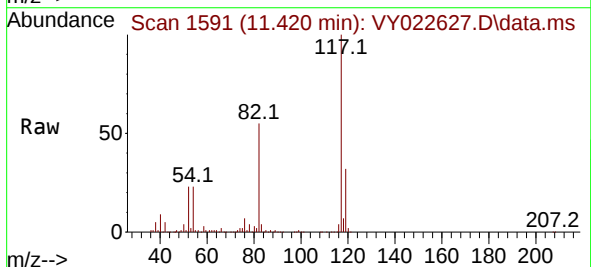
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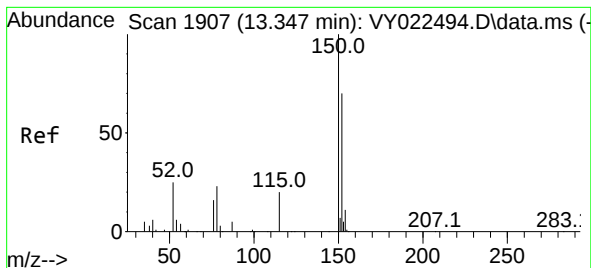
Tgt Ion: 95 Resp: 160260
Ion Ratio Lower Upper
95 100
174 84.8 0.0 170.0
176 81.5 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022627.D
Acq: 09 Jun 2025 13:59

Tgt Ion: 117 Resp: 429167
Ion Ratio Lower Upper
117 100
82 55.2 44.6 66.8
119 32.5 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: VY022627.D

Acq: 09 Jun 2025 13:59

Instrument :

MSVOA_Y

ClientSampleId :

TP09-MHJ-VOC

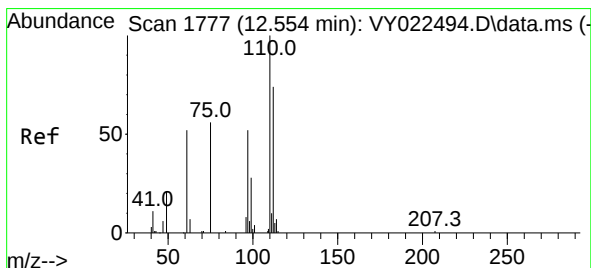
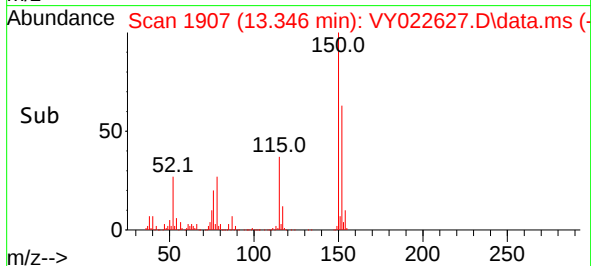
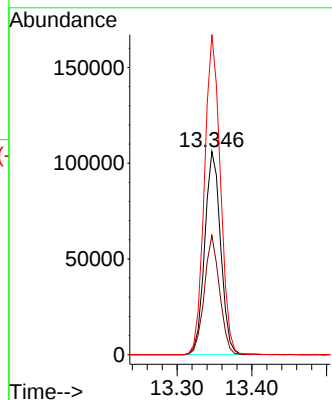
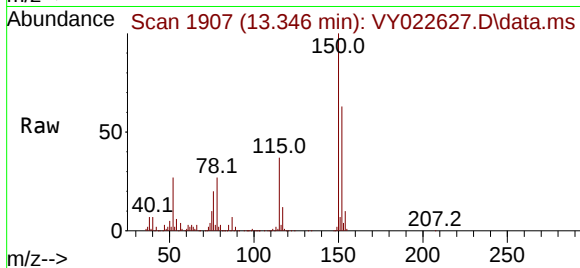
Tgt Ion:152 Resp: 156297

Ion Ratio Lower Upper

152 100

115 56.5 28.9 86.7

150 157.8 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 52.812 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.147 min

Lab File: VY022627.D

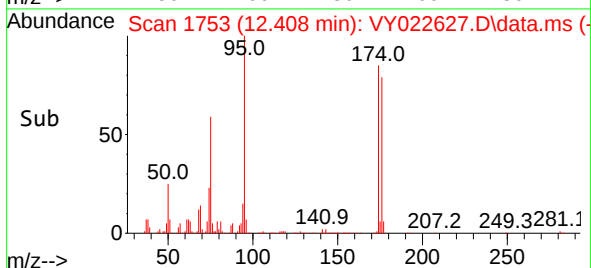
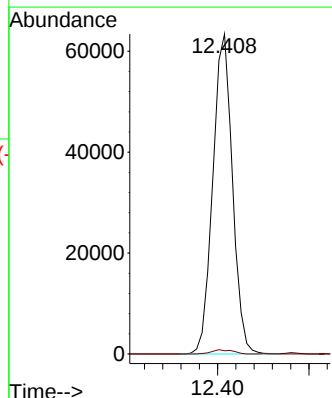
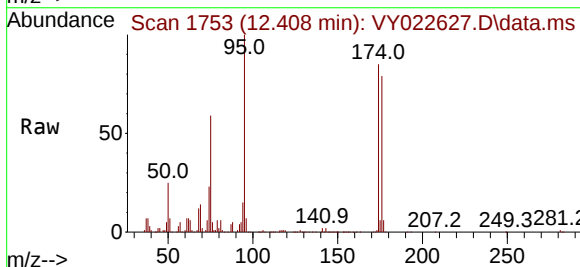
Acq: 09 Jun 2025 13:59

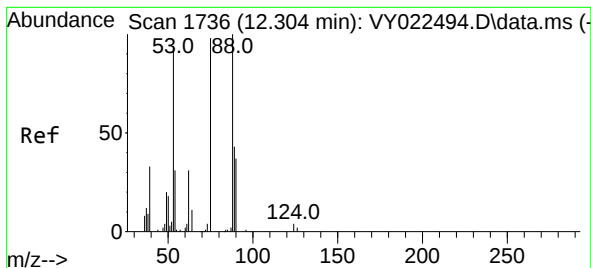
Tgt Ion: 75 Resp: 94433

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.538 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY022627.D
 Acq: 09 Jun 2025 13:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP09-MHJ-VOC

Tgt Ion: 75 Resp: 94433
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.0 35.7 53.5#

