

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061325\
 Data File : VY022691.D
 Acq On : 13 Jun 2025 12:41
 Operator : SY/MD
 Sample : Q2310-03
 Misc : 4.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-7-VOC

Quant Time: Jun 14 02:04:15 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)

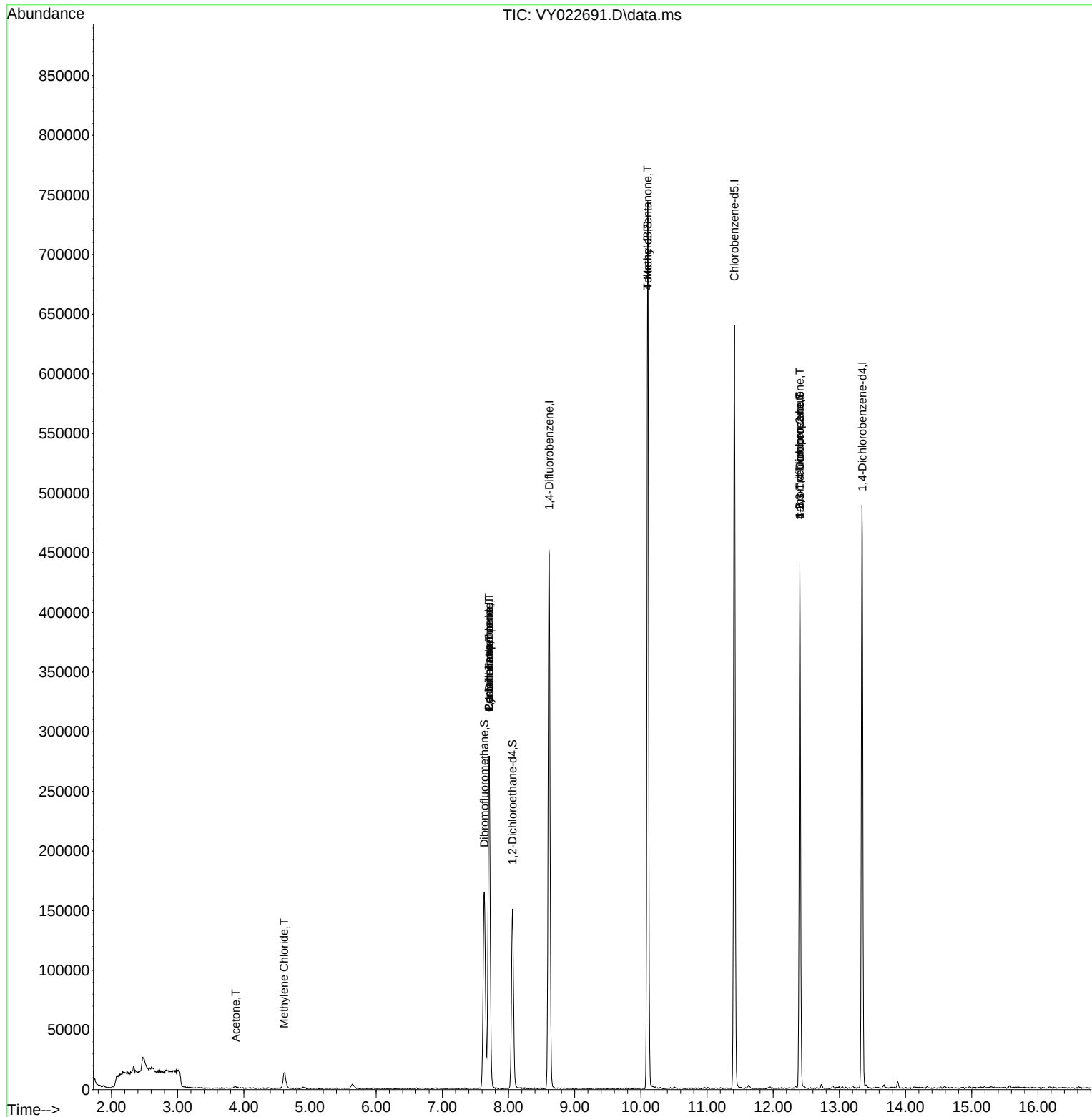
Internal Standards						
1) Pentafluorobenzene	7.707	168	204439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	377572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	312007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	115695	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	111876	48.928	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.860%
35) Dibromofluoromethane	7.634	113	114432	50.776	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.560%
50) Toluene-d8	10.103	98	454995	49.965	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.940%
62) 4-Bromofluorobenzene	12.402	95	113731	41.918	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.840%
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	2632	5.668	ug/l #	85
20) Methylene Chloride	4.610	84	9379	3.556	ug/l	95
31) Cyclohexane	7.707	56	5496	1.251	ug/l #	12
36) 1,1-Dichloropropene	7.707	75	18120	4.954	ug/l #	51
38) Carbon Tetrachloride	7.707	117	22213	5.920	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	2372	1.351	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	68987	52.121	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	68987	125.869	ug/l #	10

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

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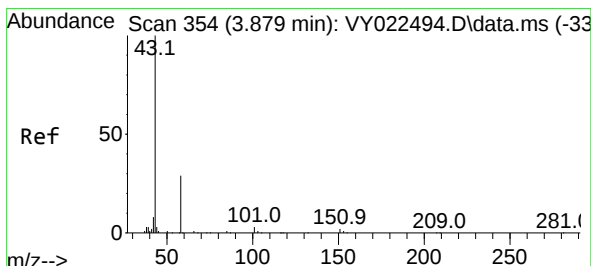
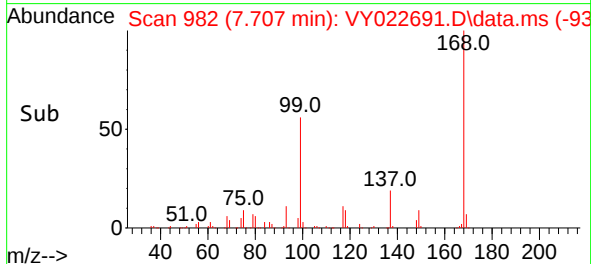
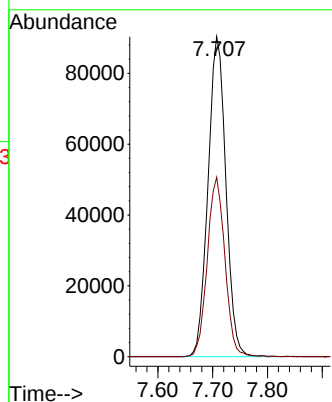
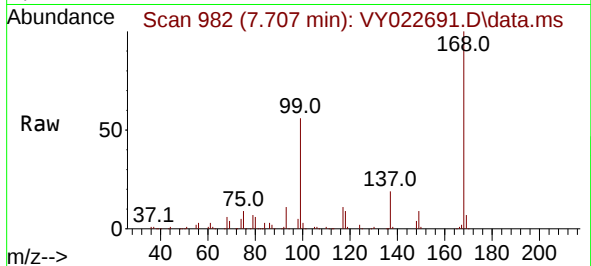




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022691.D
Acq: 13 Jun 2025 12:41

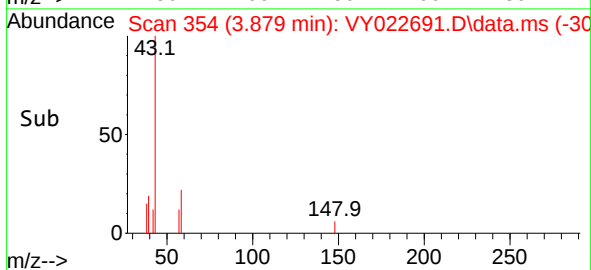
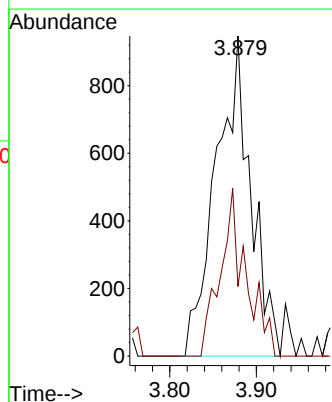
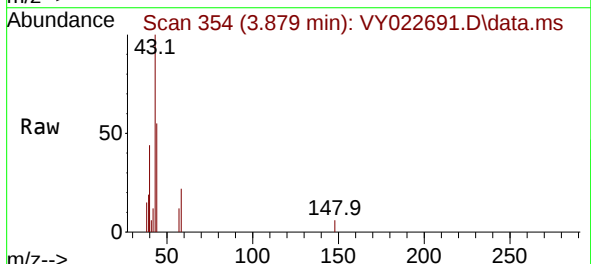
Instrument :
MSVOA_Y
ClientSampleId :
TP-7-VOC

Tgt Ion:168 Resp: 204439
Ion Ratio Lower Upper
168 100
99 56.1 44.3 66.5



#16
Acetone
Concen: 5.668 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022691.D
Acq: 13 Jun 2025 12:41

Tgt Ion: 43 Resp: 2632
Ion Ratio Lower Upper
43 100
58 21.8 24.0 36.0#

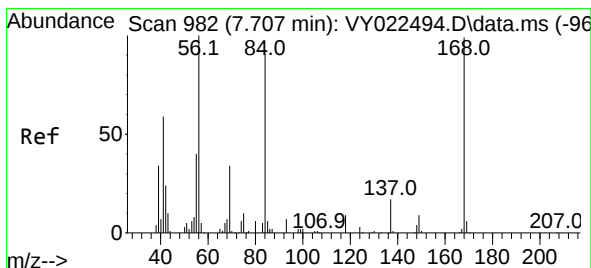
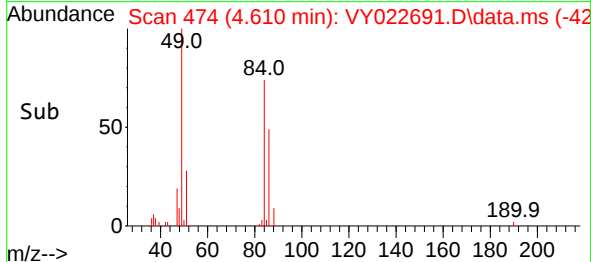
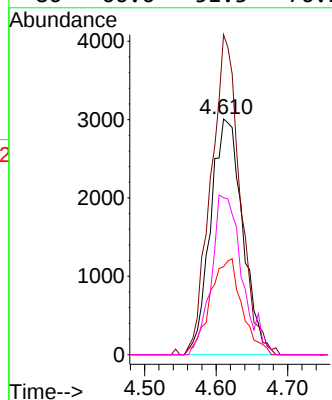
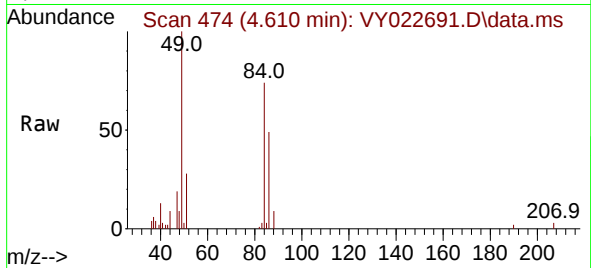




#20
Methylene Chloride
Concen: 3.556 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022691.D
Acq: 13 Jun 2025 12:41

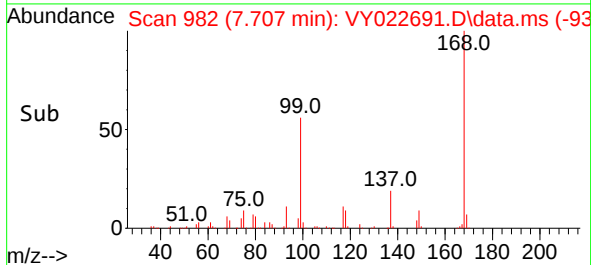
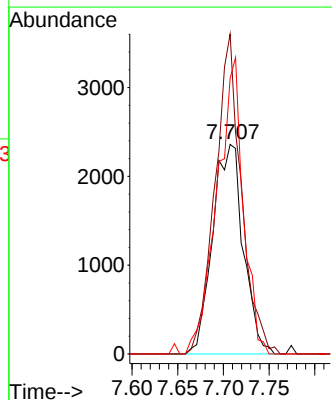
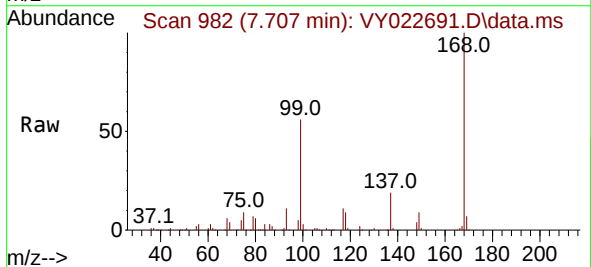
Instrument :
MSVOA_Y
ClientSampleId :
TP-7-VOC

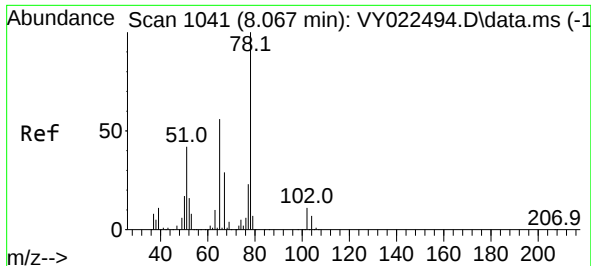
Tgt Ion:	84	Resp:	9379
Ion	Ratio	Lower	Upper
84	100		
49	135.7	101.9	152.9
51	37.3	29.8	44.8
86	66.6	51.3	76.9



#31
Cyclohexane
Concen: 1.251 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022691.D
Acq: 13 Jun 2025 12:41

Tgt Ion:	56	Resp:	5496
Ion	Ratio	Lower	Upper
56	100		
69	152.6	27.0	40.6#
84	131.4	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 48.928 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022691.D

Acq: 13 Jun 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

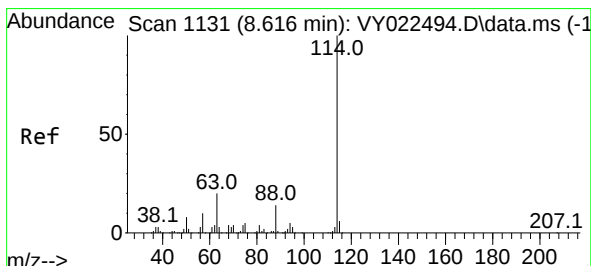
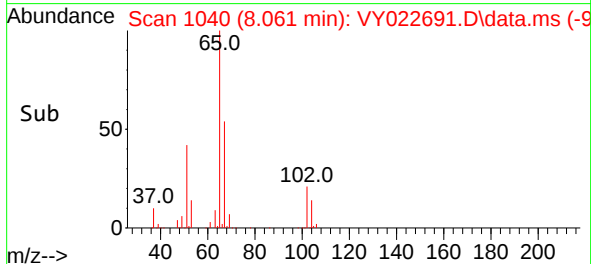
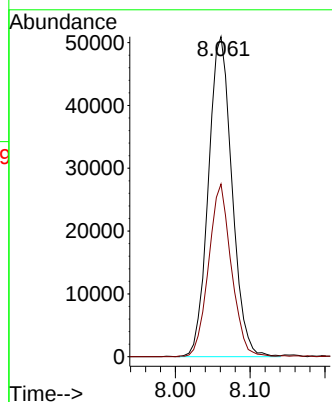
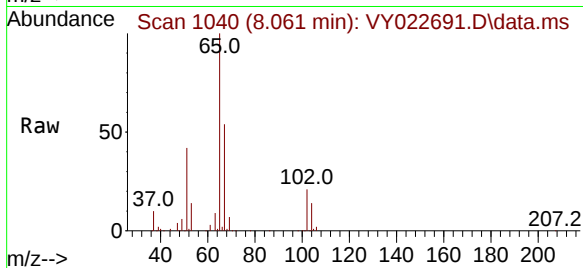
TP-7-VOC

Tgt Ion: 65 Resp: 111876

Ion Ratio Lower Upper

65 100

67 51.8 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: VY022691.D

Acq: 13 Jun 2025 12:41

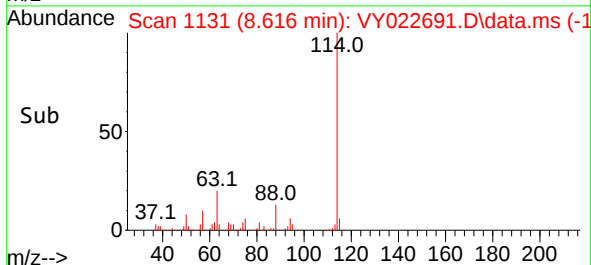
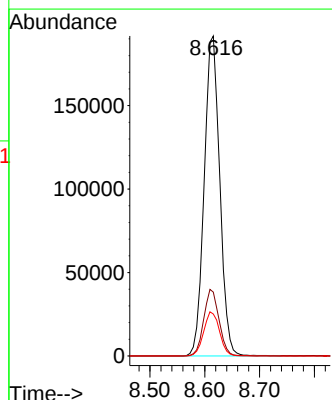
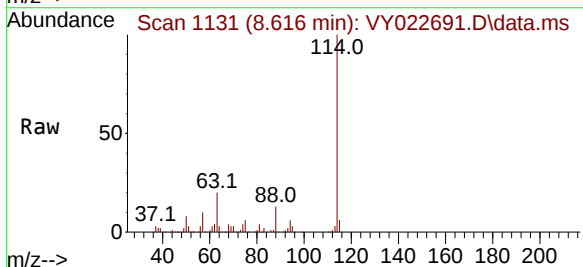
Tgt Ion: 114 Resp: 377572

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 13.1 0.0 27.8

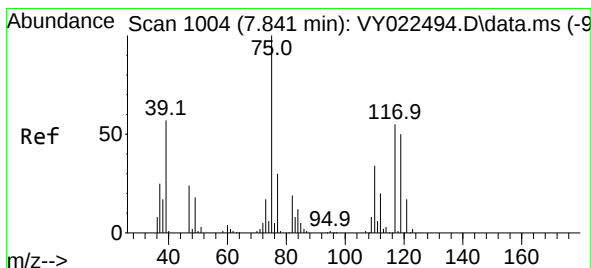
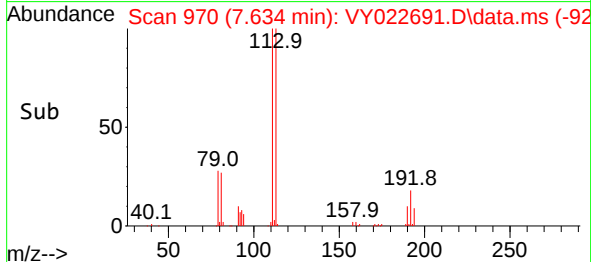
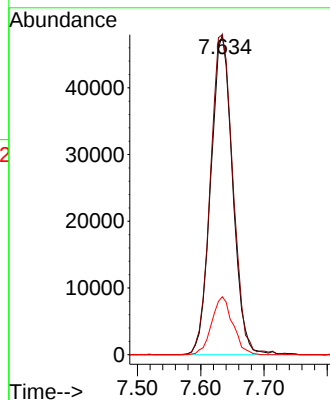
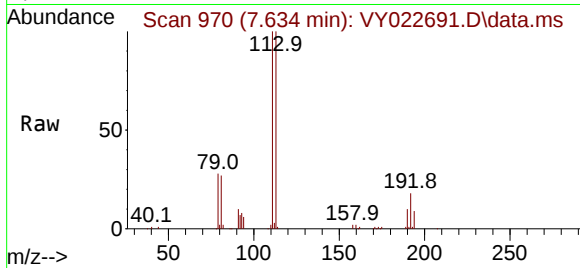




#35
Dibromofluoromethane
Concen: 50.776 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022691.D
Acq: 13 Jun 2025 12:41

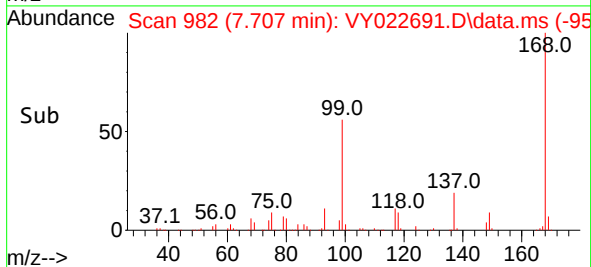
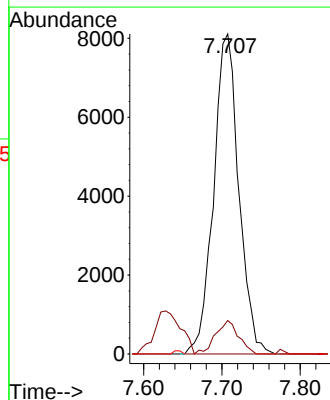
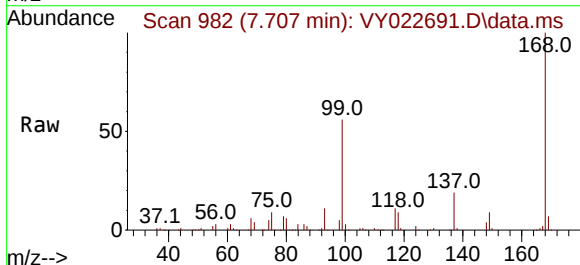
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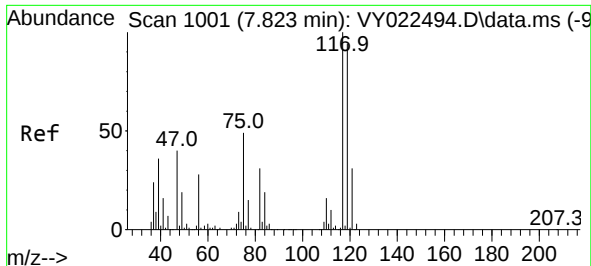
Tgt Ion:113 Resp: 114432
Ion Ratio Lower Upper
113 100
111 103.8 81.1 121.7
192 17.5 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.954 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022691.D
Acq: 13 Jun 2025 12:41

Tgt Ion: 75 Resp: 18120
Ion Ratio Lower Upper
75 100
110 9.2 16.9 50.7#
77 0.0 24.8 37.2#

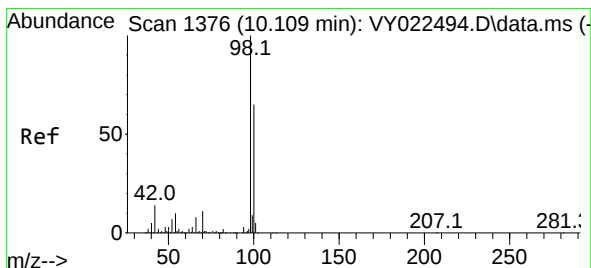
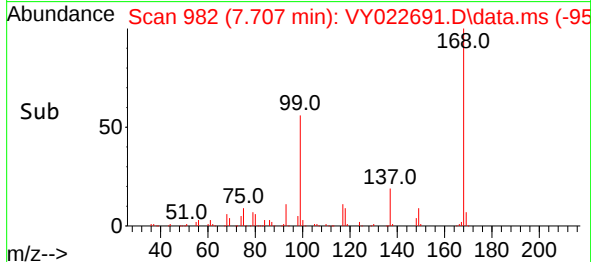
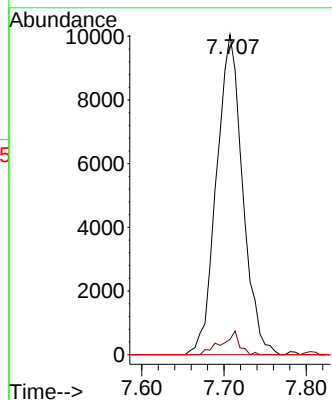
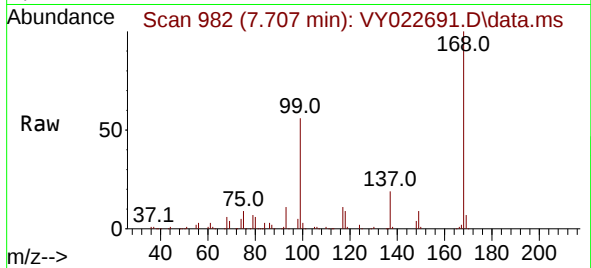




#38
Carbon Tetrachloride
Concen: 5.920 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022691.D
Acq: 13 Jun 2025 12:41

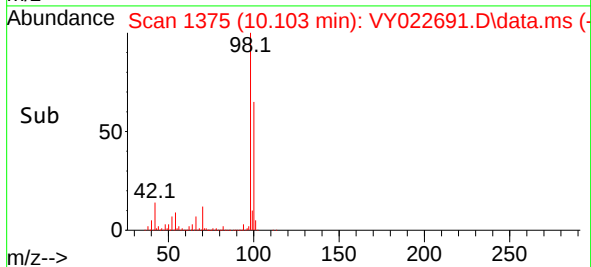
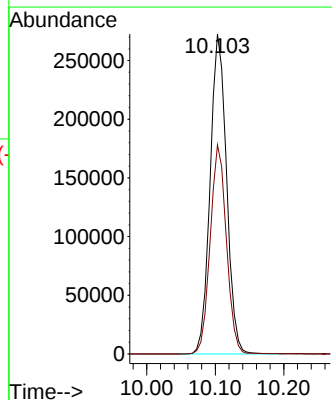
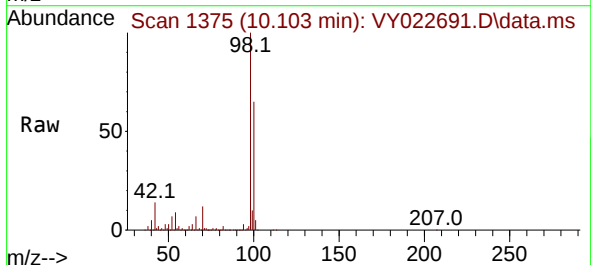
Instrument :
MSVOA_Y
ClientSampleId :
TP-7-VOC

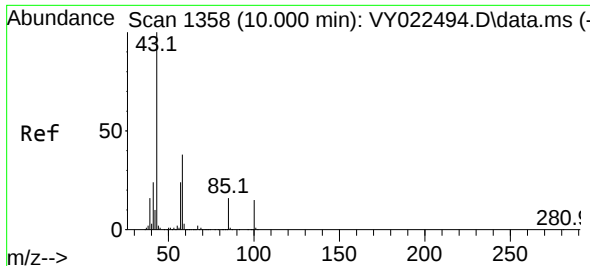
Tgt Ion:117 Resp: 22213
Ion Ratio Lower Upper
117 100
119 4.7 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.965 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022691.D
Acq: 13 Jun 2025 12:41

Tgt Ion: 98 Resp: 454995
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0

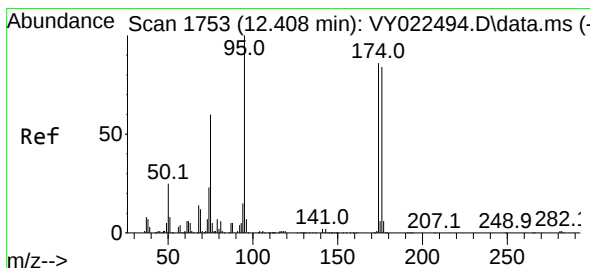
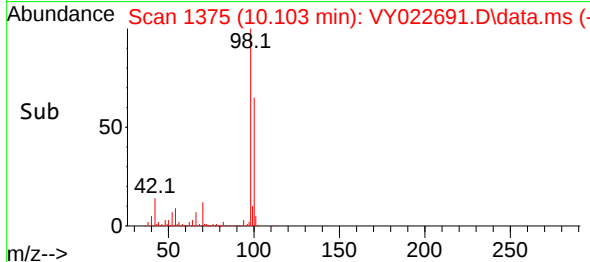
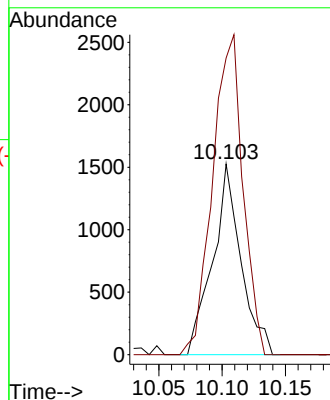
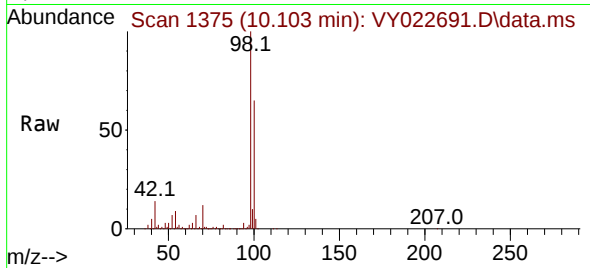




#51
4-Methyl-2-Pentanone
Concen: 1.351 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022691.D
Acq: 13 Jun 2025 12:41

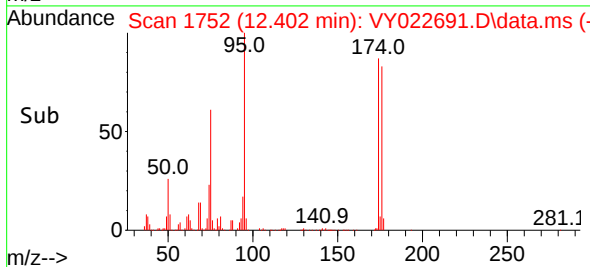
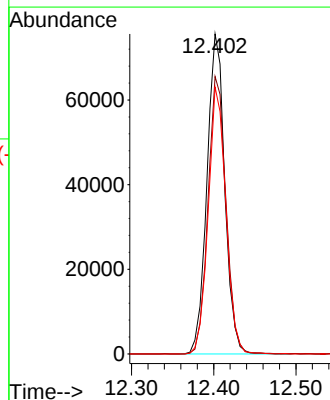
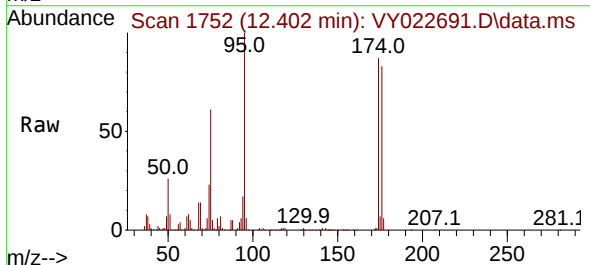
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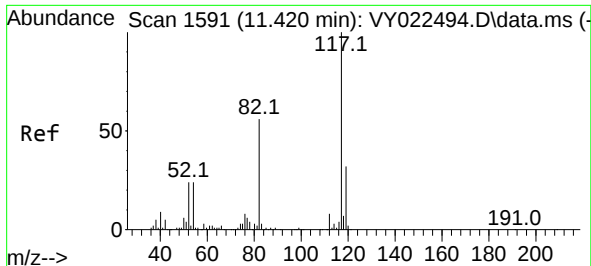
Tgt Ion: 43 Resp: 2372
Ion Ratio Lower Upper
43 100
58 180.3 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 41.918 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022691.D
Acq: 13 Jun 2025 12:41

Tgt Ion: 95 Resp: 113731
Ion Ratio Lower Upper
95 100
174 87.7 0.0 170.0
176 83.1 0.0 166.2

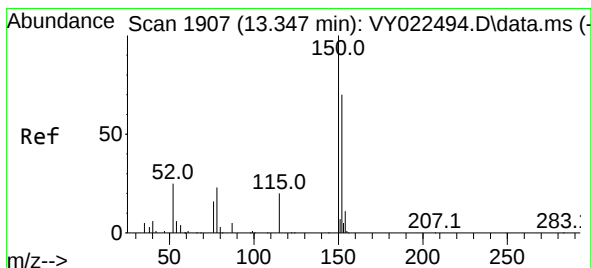
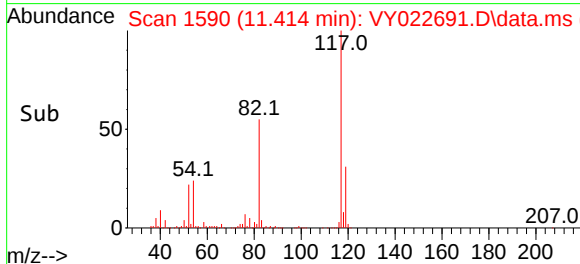
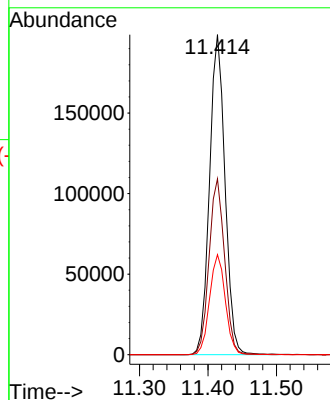
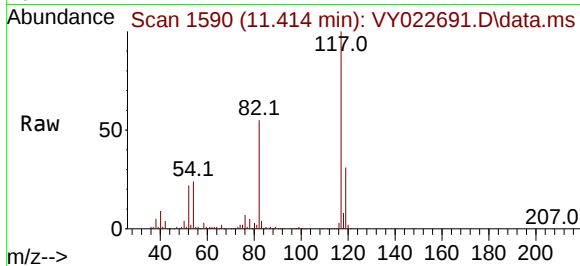




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022691.D
Acq: 13 Jun 2025 12:41

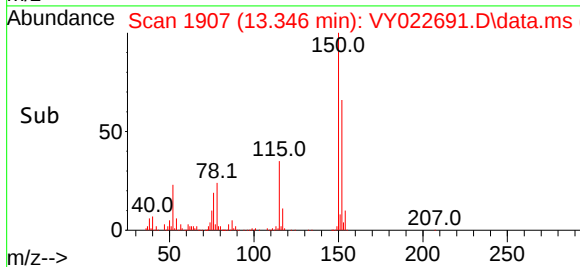
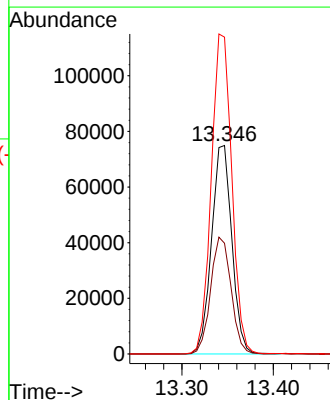
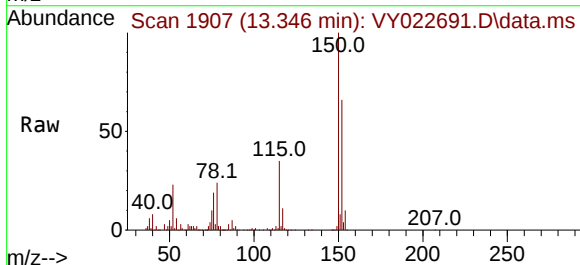
Instrument :
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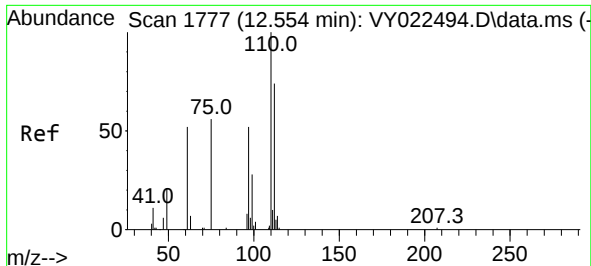
Tgt Ion:117 Resp: 312007
Ion Ratio Lower Upper
117 100
82 54.9 44.6 66.8
119 31.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022691.D
Acq: 13 Jun 2025 12:41

Tgt Ion:152 Resp: 115695
Ion Ratio Lower Upper
152 100
115 56.3 28.9 86.7
150 154.8 0.0 349.6

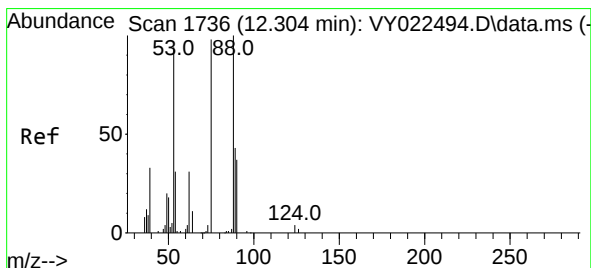
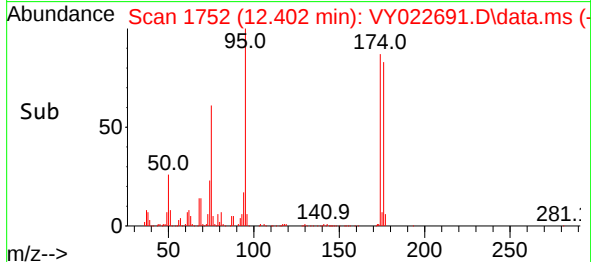
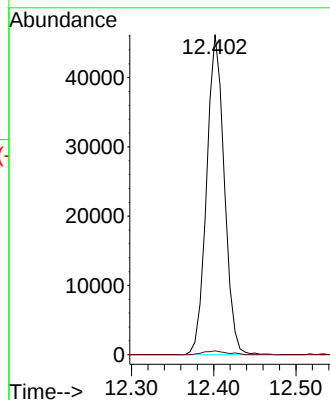
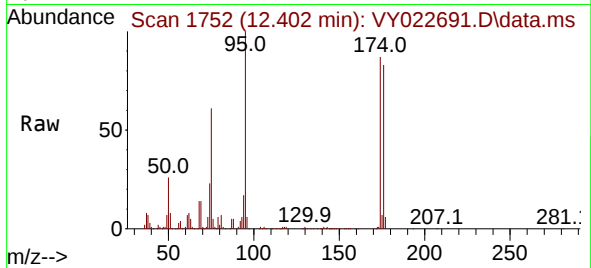




#76
1,2,3-Trichloropropane
Concen: 52.121 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022691.D
Acq: 13 Jun 2025 12:41

Instrument :
MSVOA_Y
ClientSampleId :
TP-7-VOC

Tgt Ion: 75 Resp: 68987
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.869 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022691.D
Acq: 13 Jun 2025 12:41

Tgt Ion: 75 Resp: 68987
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.0 35.7 53.5#

