

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050725\
 Data File : VY022191.D
 Acq On : 07 May 2025 14:32
 Operator : SY/MD
 Sample : Q1972-03
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SUB-WC-VOC

Quant Time: May 08 01:42:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

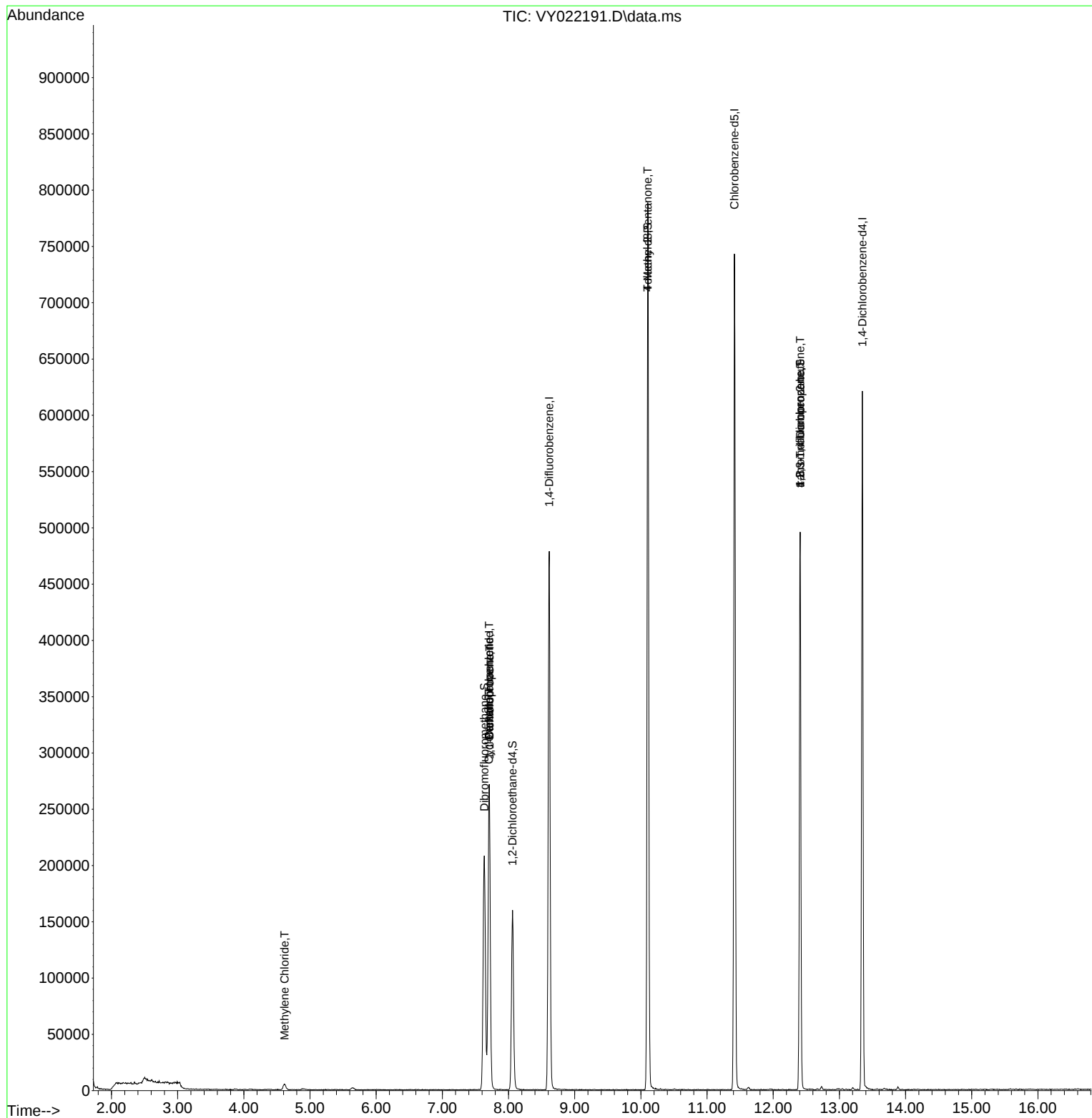
Internal Standards						
1) Pentafluorobenzene	7.707	168	209833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	416255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	400753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	156434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	124819	64.400	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.800%			
35) Dibromofluoromethane	7.634	113	151482	55.084	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.160%			
50) Toluene-d8	10.103	98	524310	50.572	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.140%			
62) 4-Bromofluorobenzene	12.408	95	150520	43.127	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 86.260%			
Target Compounds					Qvalue	
16) Acetone	3.867	43	272	Below Cal		94
20) Methylene Chloride	4.616	84	3820	1.559 ug/l #		85
31) Cyclohexane	7.701	56	4333	1.352 ug/l #		16
36) 1,1-Dichloropropene	7.713	75	16726	4.528 ug/l #		47
38) Carbon Tetrachloride	7.707	117	21099	4.780 ug/l #		17
51) 4-Methyl-2-Pentanone	10.103	43	2119	1.587 ug/l #		1
76) 1,2,3-Trichloropropane	12.408	75	76705	57.245 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.408	75	76705	137.855 ug/l #		16

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

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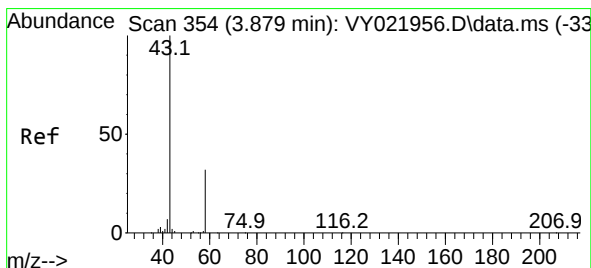
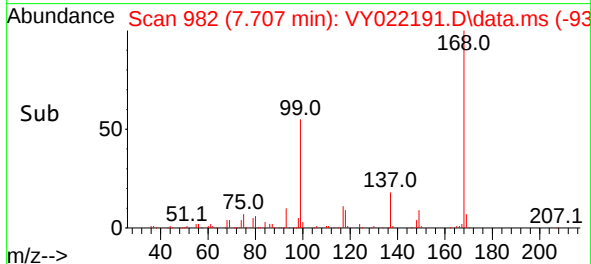
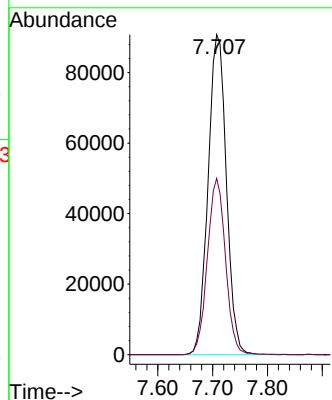
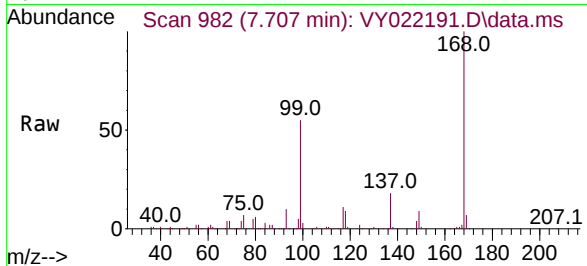




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022191.D
Acq: 07 May 2025 14:32

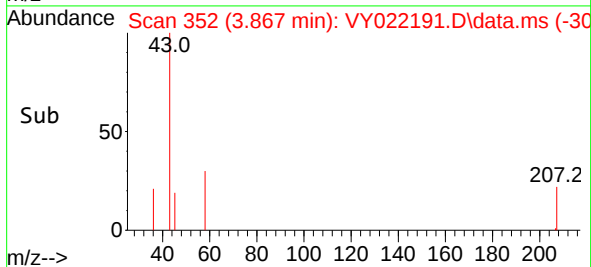
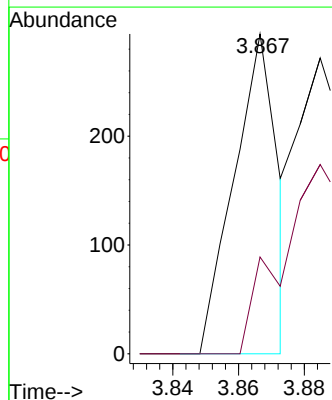
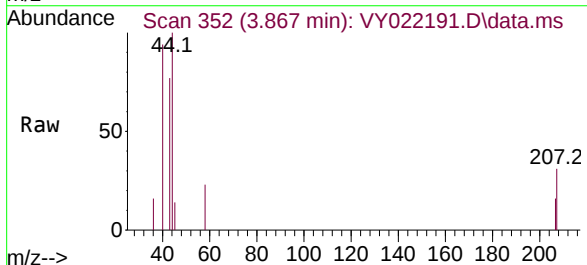
Instrument :
MSVOA_Y
ClientSampleId :
SUB-WC-VOC

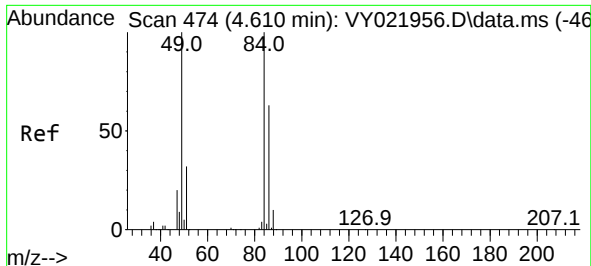
Tgt Ion:168 Resp: 209833
Ion Ratio Lower Upper
168 100
99 55.1 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022191.D
Acq: 07 May 2025 14:32

Tgt Ion: 43 Resp: 272
Ion Ratio Lower Upper
43 100
58 30.3 27.0 40.4

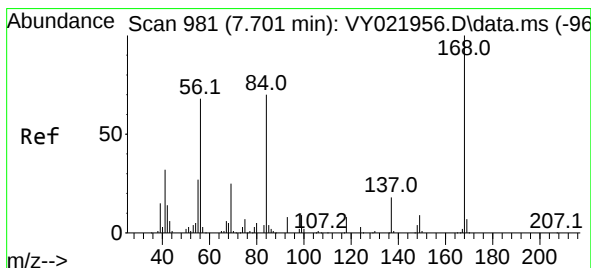
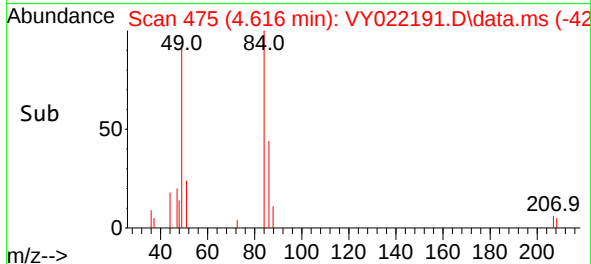
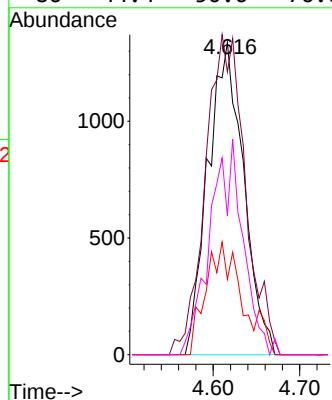
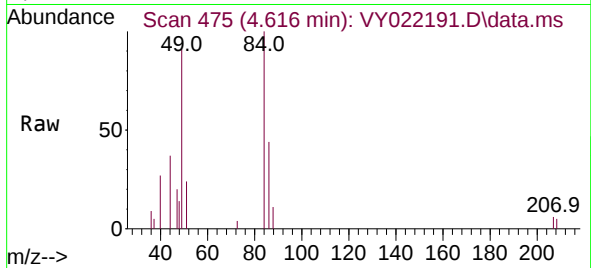




#20
Methylene Chloride
Concen: 1.559 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022191.D
Acq: 07 May 2025 14:32

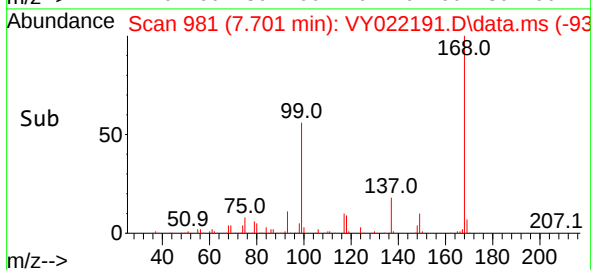
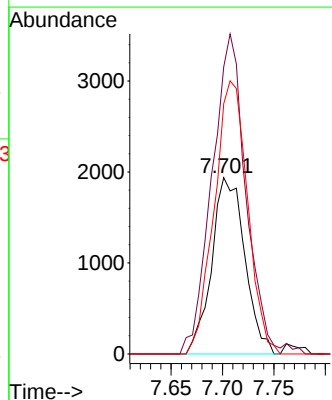
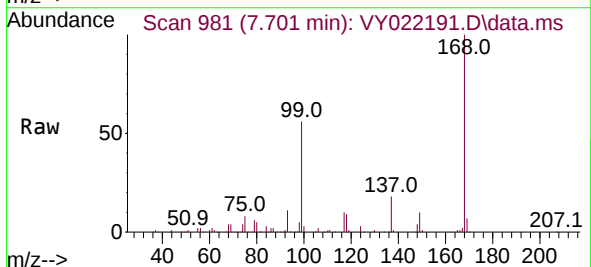
Instrument :
MSVOA_Y
ClientSampleId :
SUB-WC-VOC

Tgt Ion:	84	Resp:	3820
Ion	Ratio	Lower	Upper
84	100		
49	90.5	79.9	119.9
51	24.1	25.4	38.0#
86	44.4	50.6	76.0#



#31
Cyclohexane
Concen: 1.352 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022191.D
Acq: 07 May 2025 14:32

Tgt Ion:	56	Resp:	4333
Ion	Ratio	Lower	Upper
56	100		
69	162.8	29.4	44.2#
84	141.9	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 64.400 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY022191.D

Acq: 07 May 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

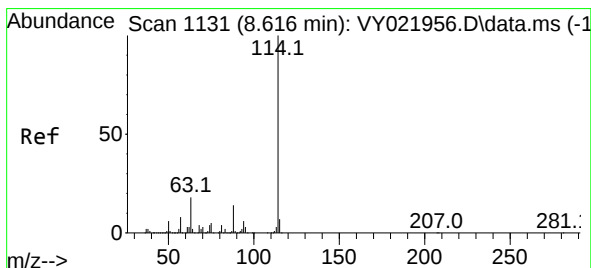
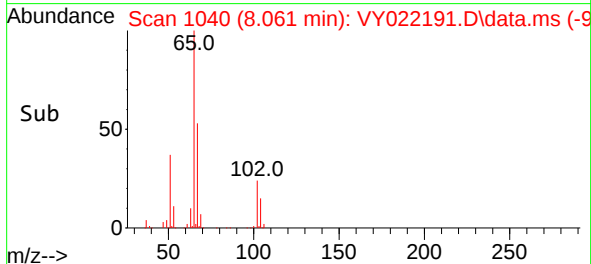
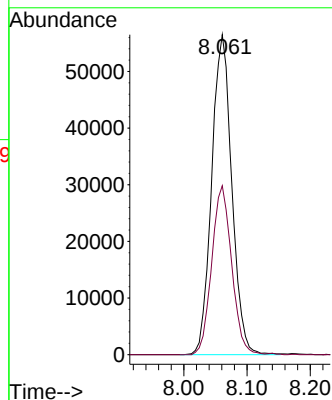
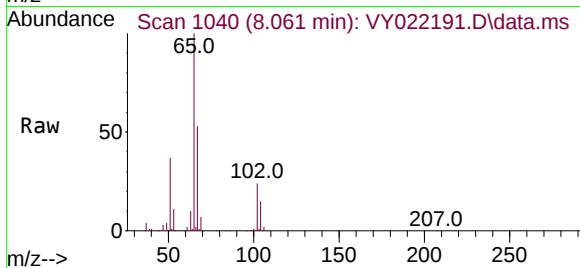
SUB-WC-VOC

Tgt Ion: 65 Resp: 124819

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022191.D

Acq: 07 May 2025 14:32

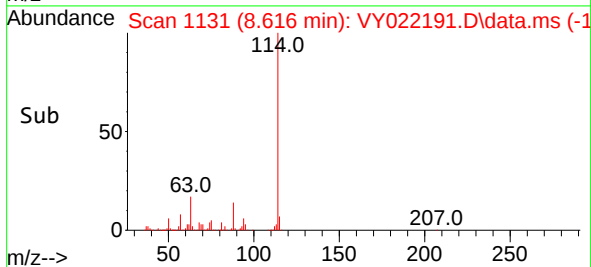
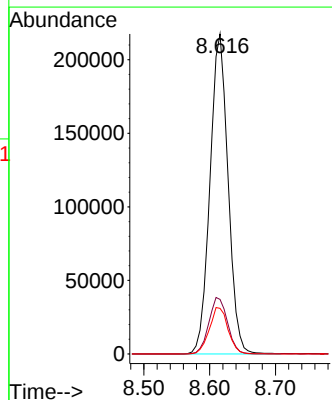
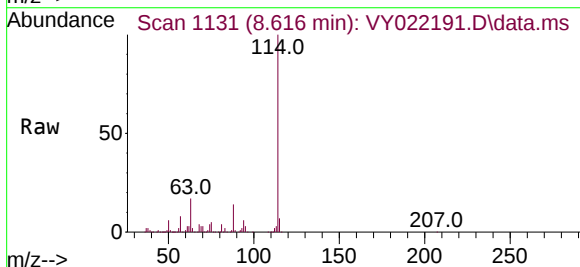
Tgt Ion: 114 Resp: 416255

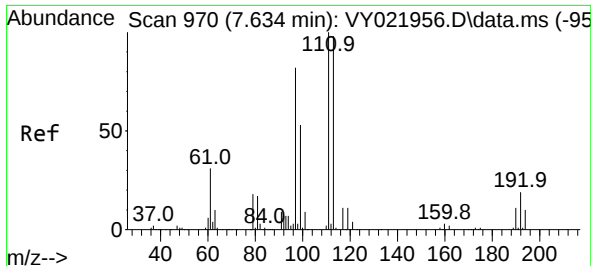
Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.4

88 14.3 0.0 28.2

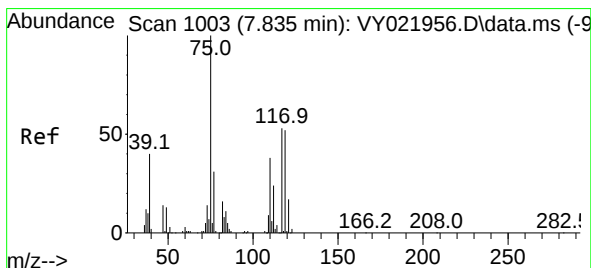
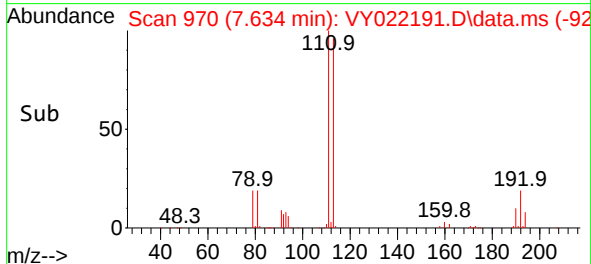
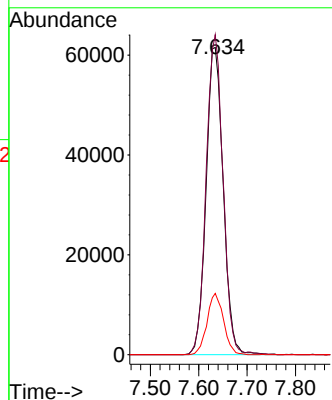
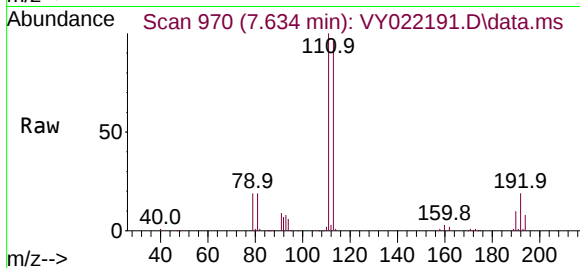




#35
Dibromofluoromethane
Concen: 55.084 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022191.D
Acq: 07 May 2025 14:32

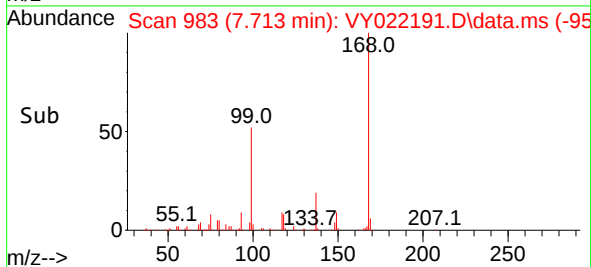
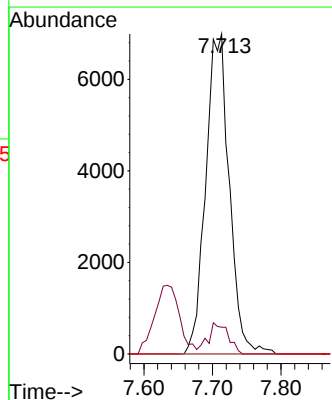
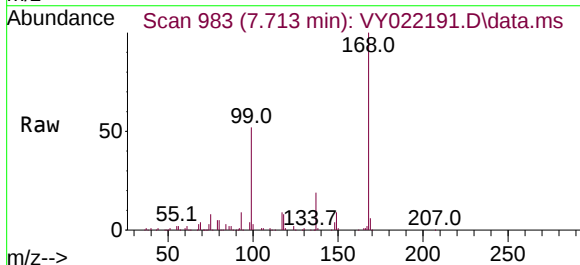
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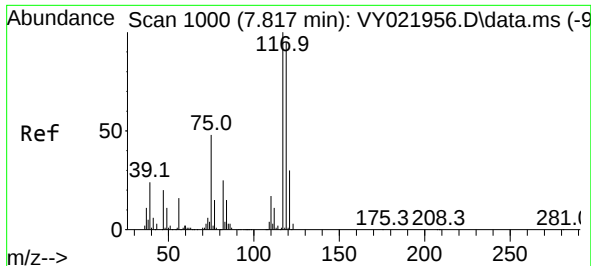
Tgt Ion:113 Resp: 151482
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.8
192 19.2 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.528 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY022191.D
Acq: 07 May 2025 14:32

Tgt Ion: 75 Resp: 16726
Ion Ratio Lower Upper
75 100
110 8.3 19.1 57.3#
77 0.0 25.5 38.3#

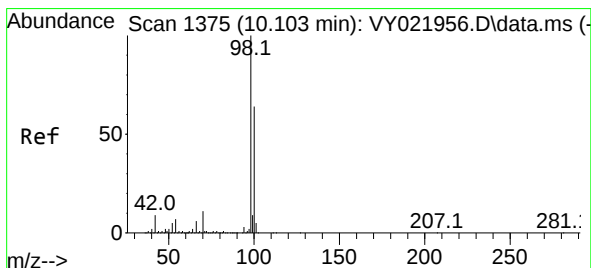
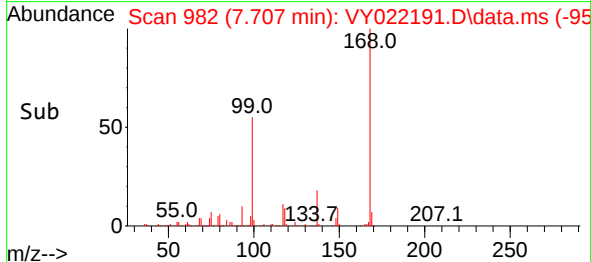
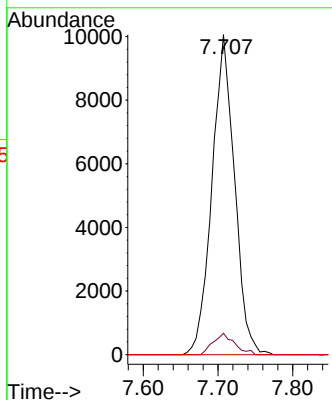
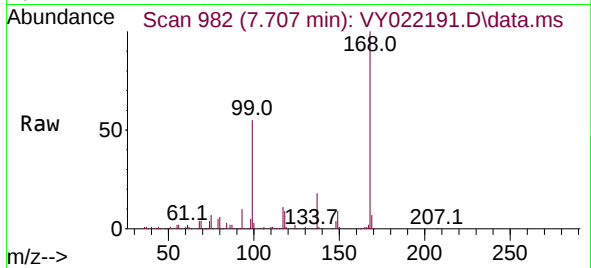




#38
Carbon Tetrachloride
Concen: 4.780 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022191.D
Acq: 07 May 2025 14:32

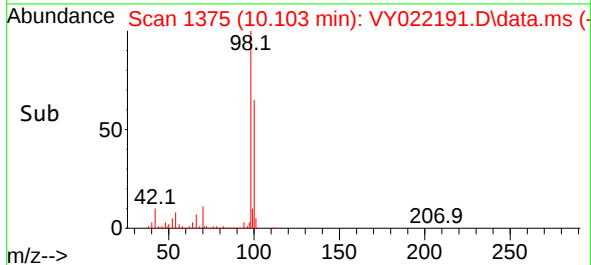
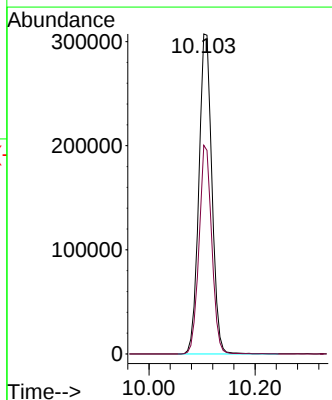
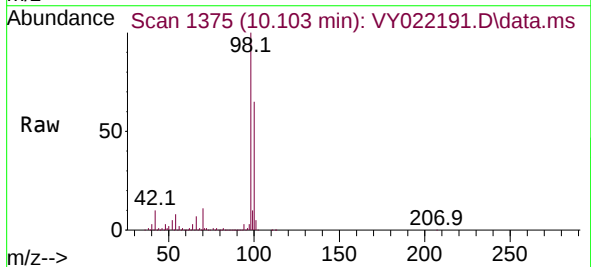
Instrument :
MSVOA_Y
ClientSampleId :
SUB-WC-VOC

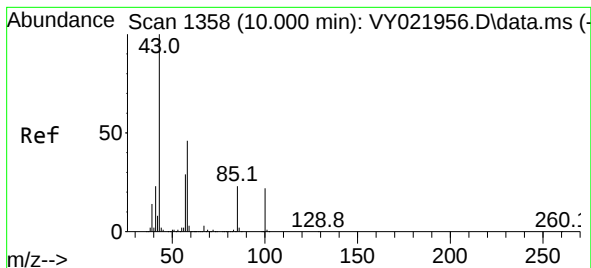
Tgt Ion:117 Resp: 21099
Ion Ratio Lower Upper
117 100
119 6.7 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 50.572 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022191.D
Acq: 07 May 2025 14:32

Tgt Ion: 98 Resp: 524310
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4

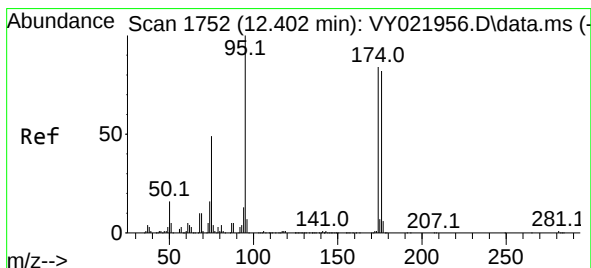
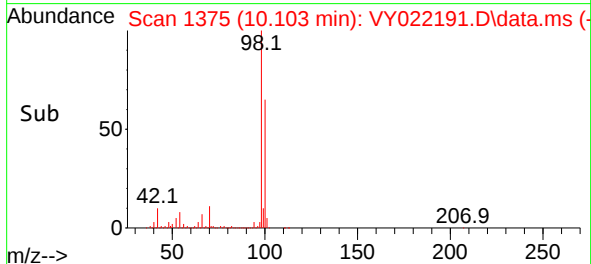
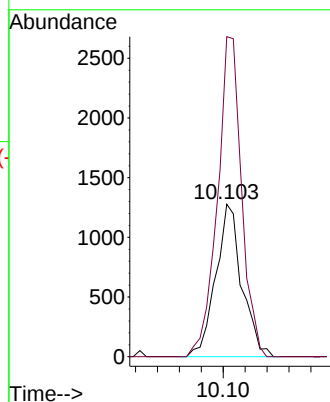
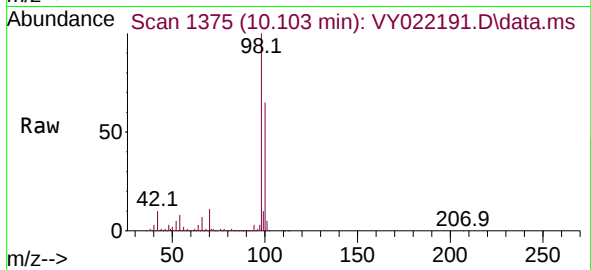




#51
4-Methyl-2-Pentanone
Concen: 1.587 ug/l
RT: 10.103 min Scan# 111
Delta R.T. 0.104 min
Lab File: VY022191.D
Acq: 07 May 2025 14:32

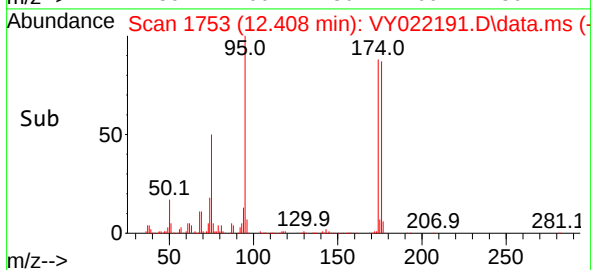
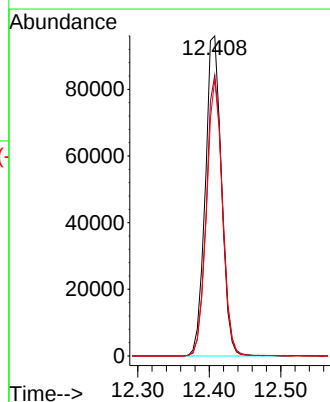
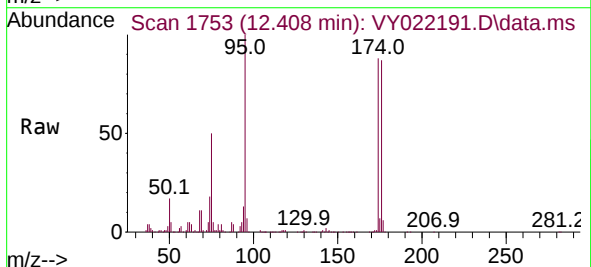
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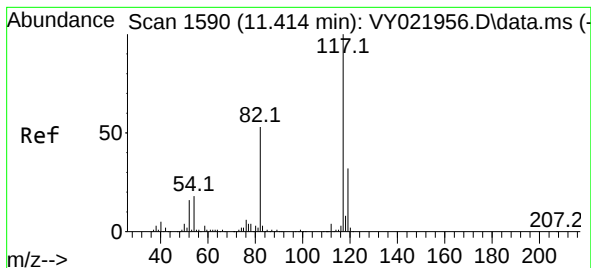
Tgt Ion: 43 Resp: 2119
Ion Ratio Lower Upper
43 100
58 193.8 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 43.127 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022191.D
Acq: 07 May 2025 14:32

Tgt Ion: 95 Resp: 150520
Ion Ratio Lower Upper
95 100
174 87.9 0.0 179.0
176 84.6 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022191.D

Acq: 07 May 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

SUB-WC-VOC

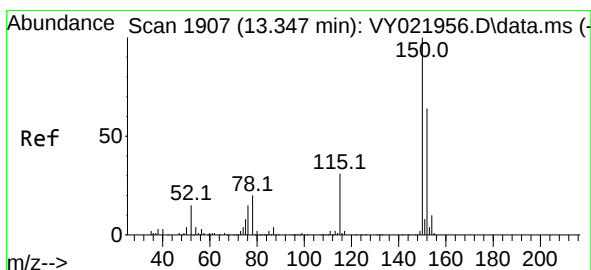
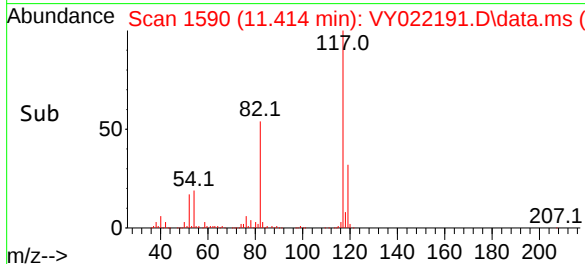
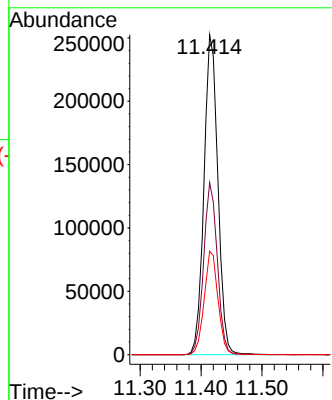
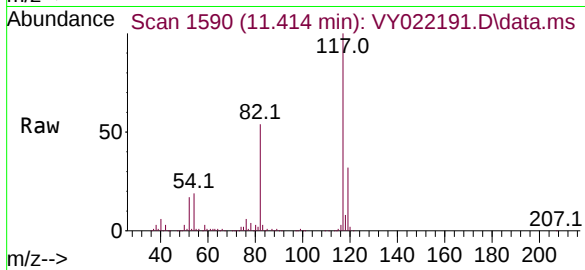
Tgt Ion:117 Resp: 400753

Ion Ratio Lower Upper

117 100

82 53.8 42.1 63.1

119 32.3 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022191.D

Acq: 07 May 2025 14:32

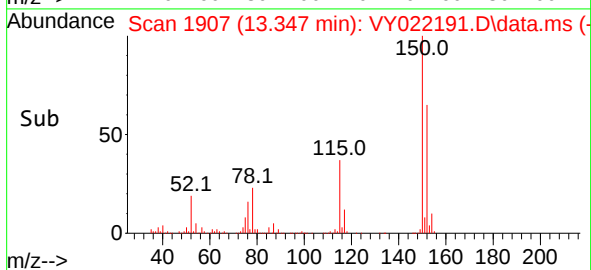
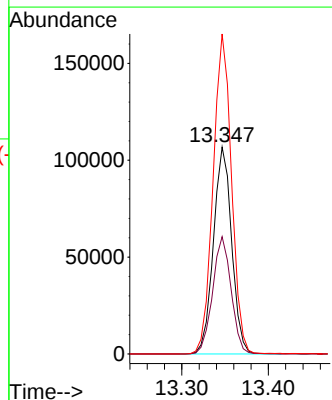
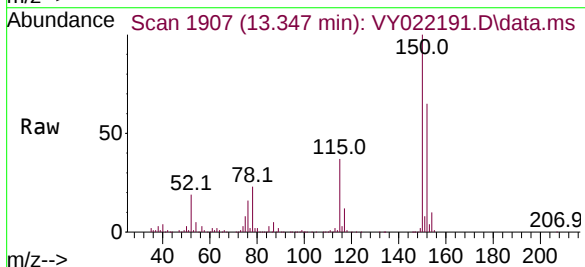
Tgt Ion:152 Resp: 156434

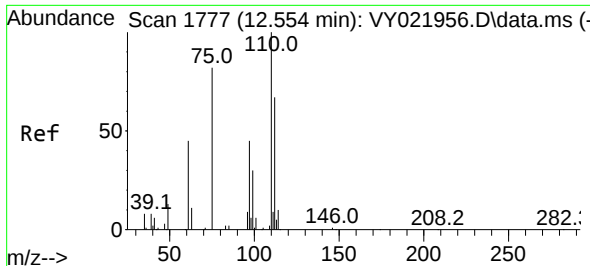
Ion Ratio Lower Upper

152 100

115 57.4 28.0 84.0

150 155.9 0.0 345.6

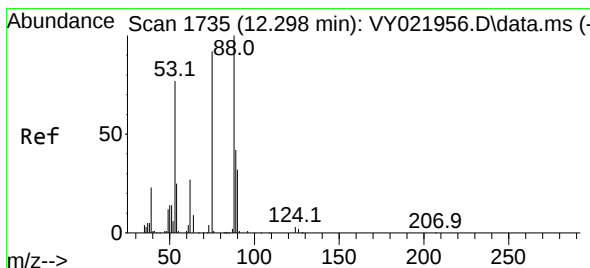
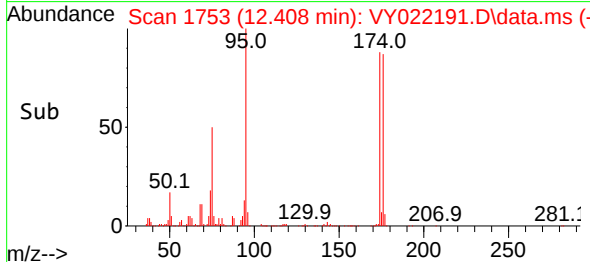
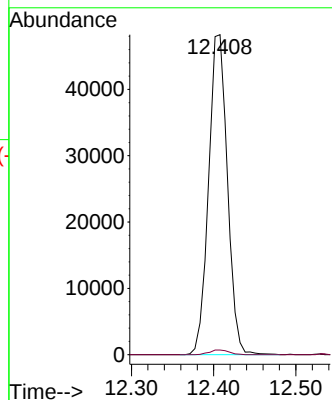
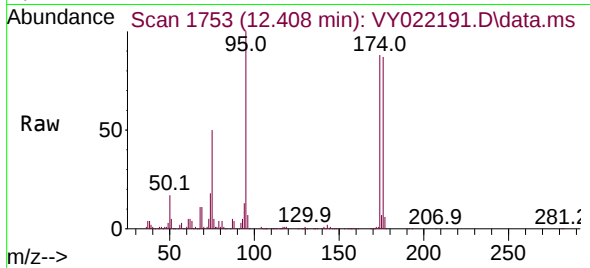




#76
1,2,3-Trichloropropane
Concen: 57.245 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022191.D
Acq: 07 May 2025 14:32

Instrument :
MSVOA_Y
ClientSampleId :
SUB-WC-VOC

Tgt Ion: 75 Resp: 76705
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 137.855 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022191.D
Acq: 07 May 2025 14:32

Tgt Ion: 75 Resp: 76705
Ion Ratio Lower Upper
75 100
53 0.2 66.0 99.0#
89 0.0 37.2 55.8#

