

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050725\
 Data File : VY022196.D
 Acq On : 07 May 2025 16:30
 Operator : SY/MD
 Sample : Q1972-19
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SUB-WC-2-VOC

Quant Time: May 08 01:43:31 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)

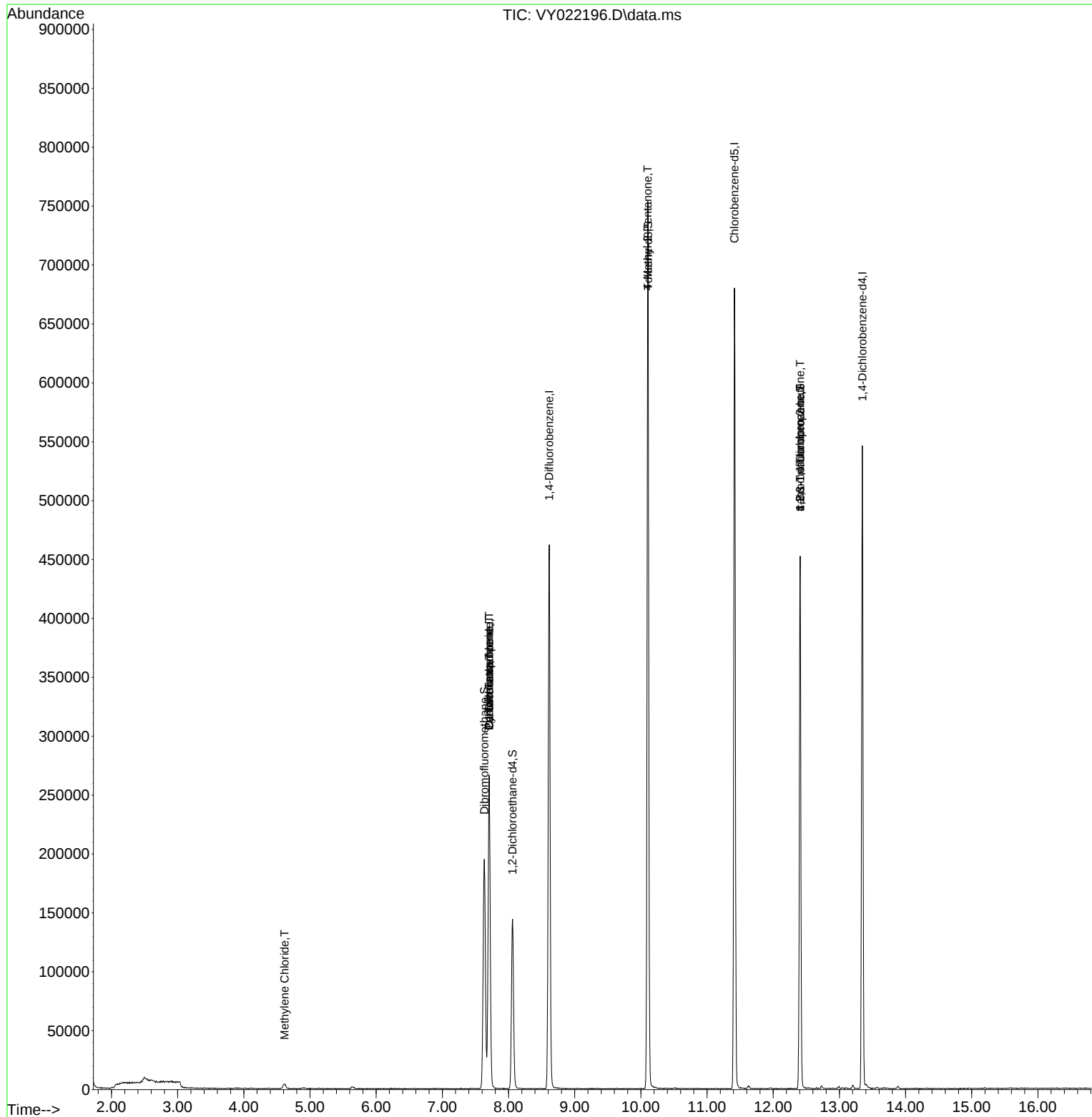
Internal Standards						
1) Pentafluorobenzene	7.707	168	198687	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	399287	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	370702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	139682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112850	61.491	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.980%	
35) Dibromofluoromethane	7.634	113	139764	52.983	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.960%	
50) Toluene-d8	10.109	98	497298	50.005	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.020%	
62) 4-Bromofluorobenzene	12.408	95	138848	41.474	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.940%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	764	Below Cal	#	41
20) Methylene Chloride	4.616	84	2875	1.239	ug/l #	87
31) Cyclohexane	7.707	56	4102	1.352	ug/l #	43
36) 1,1-Dichloropropene	7.707	75	15654	4.418	ug/l #	47
38) Carbon Tetrachloride	7.707	117	20269	4.787	ug/l #	15
51) 4-Methyl-2-Pentanone	10.103	43	1837	1.434	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	68287	57.075	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	68287	137.445	ug/l #	16

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

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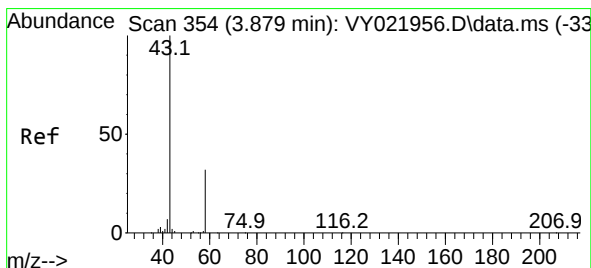
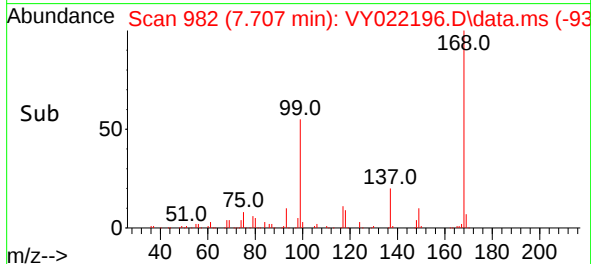
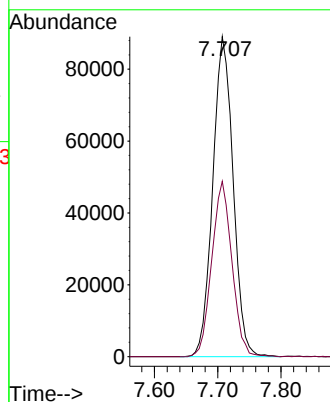
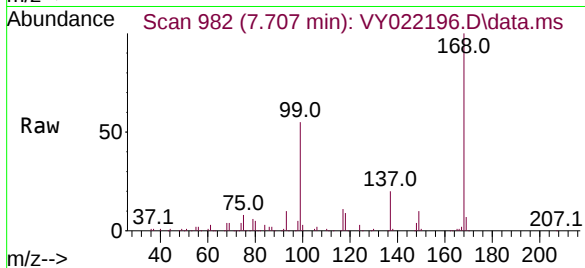




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022196.D
Acq: 07 May 2025 16:30

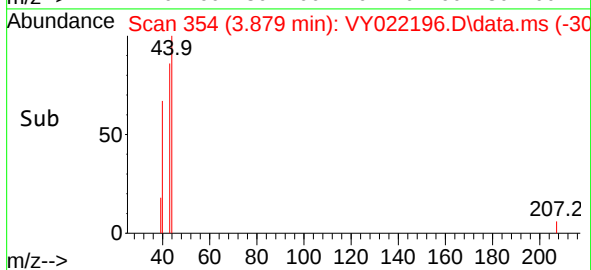
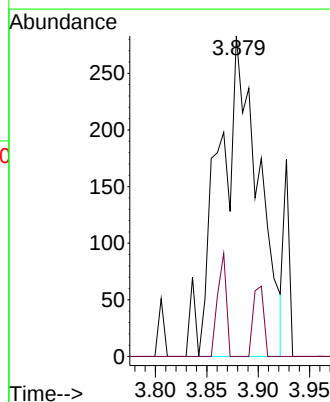
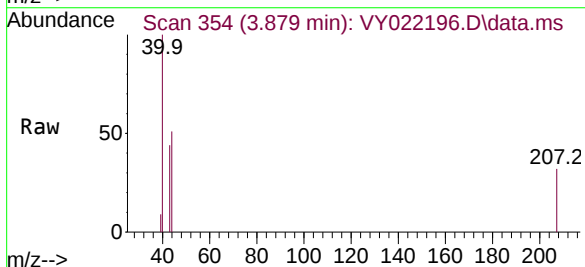
Instrument :
MSVOA_Y
ClientSampleId :
SUB-WC-2-VOC

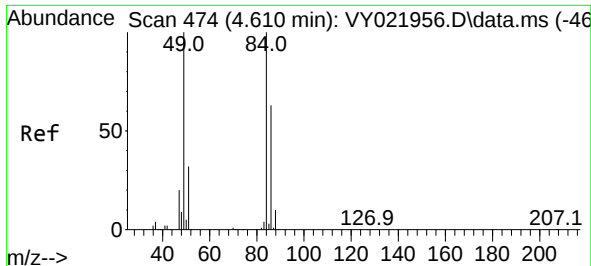
Tgt Ion:168 Resp: 198687
Ion Ratio Lower Upper
168 100
99 54.8 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022196.D
Acq: 07 May 2025 16:30

Tgt Ion: 43 Resp: 764
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

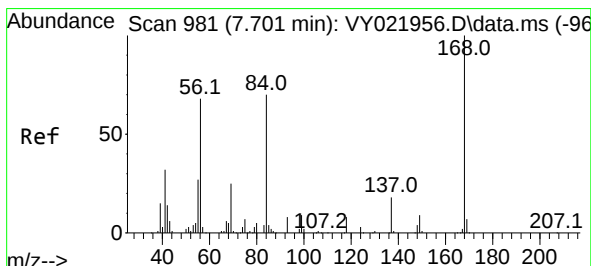
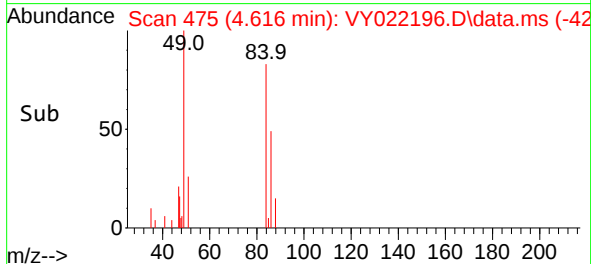
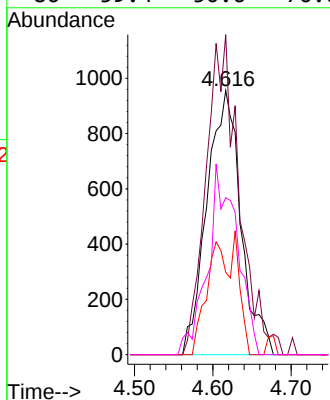
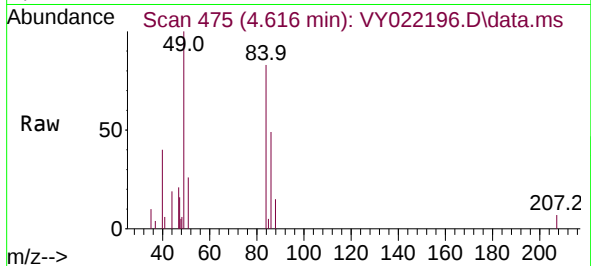




#20
Methylene Chloride
Concen: 1.239 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022196.D
Acq: 07 May 2025 16:30

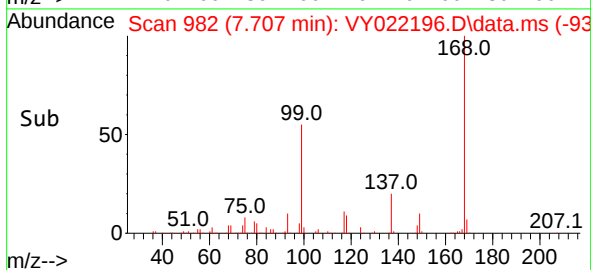
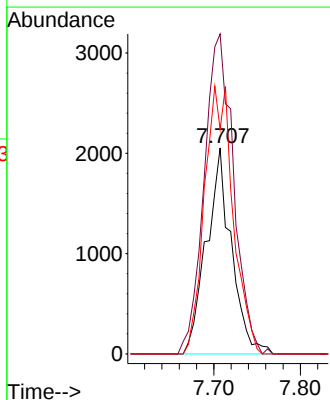
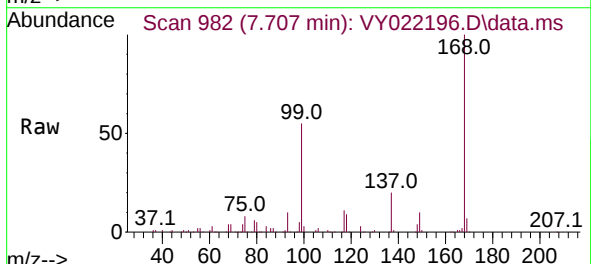
Instrument :
MSVOA_Y
ClientSampleId :
SUB-WC-2-VOC

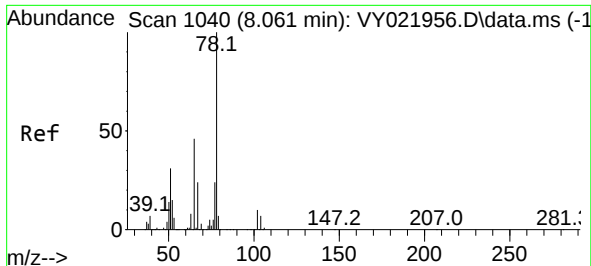
Tgt Ion:	84	Resp:	2875
Ion	Ratio	Lower	Upper
84	100		
49	121.1	79.9	119.9#
51	31.2	25.4	38.0
86	59.4	50.6	76.0



#31
Cyclohexane
Concen: 1.352 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022196.D
Acq: 07 May 2025 16:30

Tgt Ion:	56	Resp:	4102
Ion	Ratio	Lower	Upper
56	100		
69	155.3	29.4	44.2#
84	108.9	82.2	123.4





#33

1,2-Dichloroethane-d4

Concen: 61.491 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022196.D

Acq: 07 May 2025 16:30

Instrument :

MSVOA_Y

ClientSampleId :

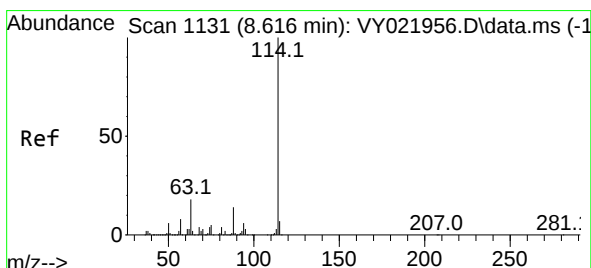
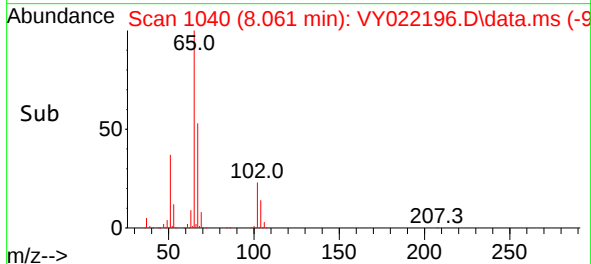
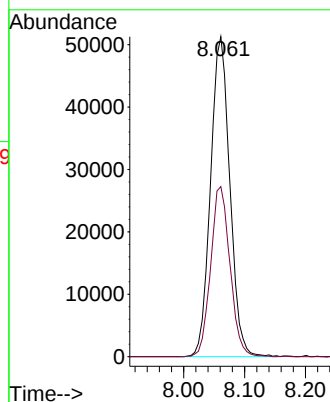
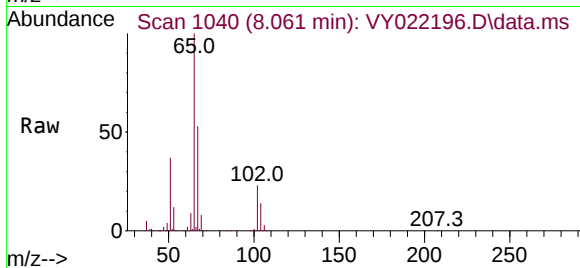
SUB-WC-2-VOC

Tgt Ion: 65 Resp: 112850

Ion Ratio Lower Upper

65 100

67 53.2 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: VY022196.D

Acq: 07 May 2025 16:30

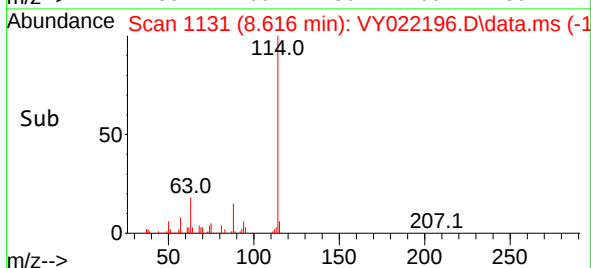
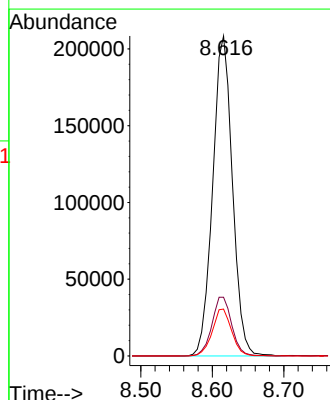
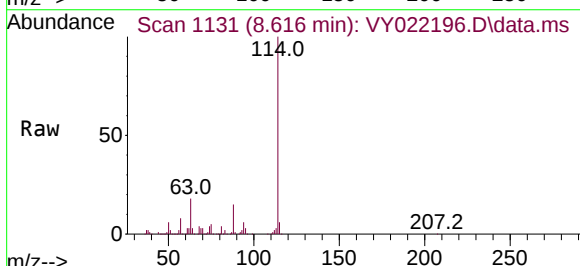
Tgt Ion: 114 Resp: 399287

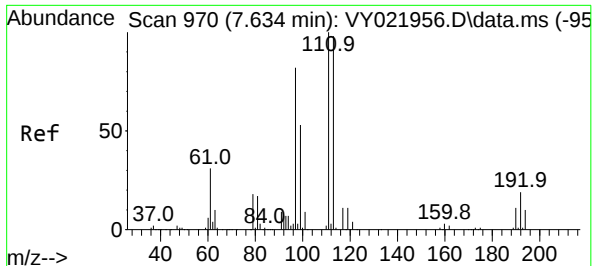
Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.4

88 14.7 0.0 28.2

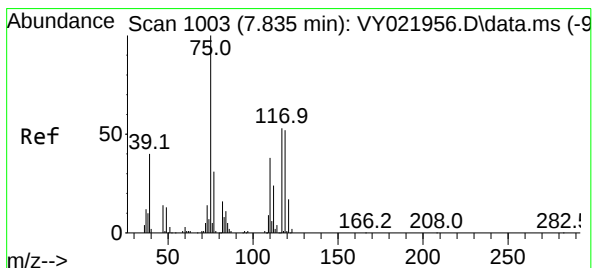
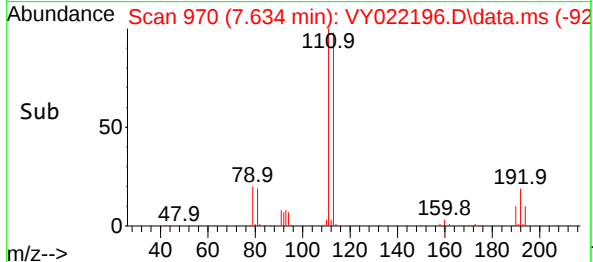
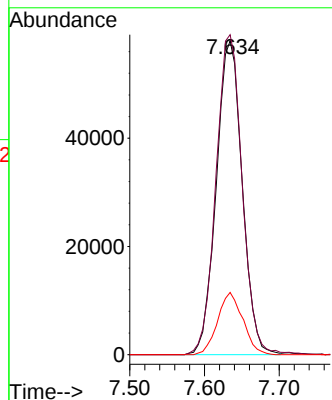
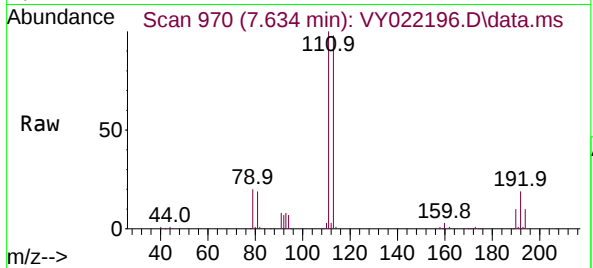




#35
Dibromofluoromethane
Concen: 52.983 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022196.D
Acq: 07 May 2025 16:30

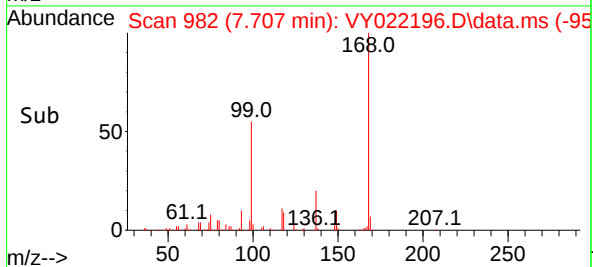
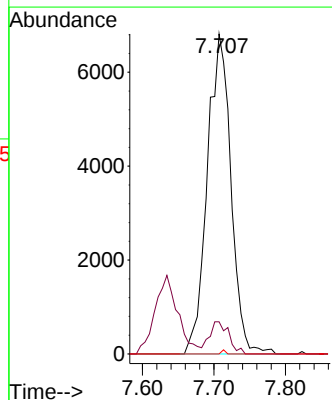
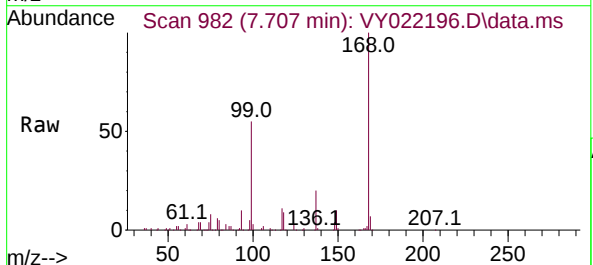
Instrument :
MSVOA_Y
ClientSampleId :
SUB-WC-2-VOC

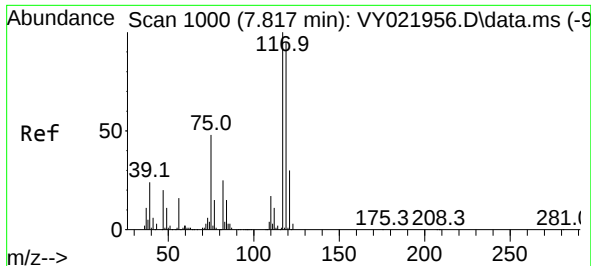
Tgt Ion:113 Resp: 139764
Ion Ratio Lower Upper
113 100
111 103.2 81.8 122.8
192 19.3 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.418 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022196.D
Acq: 07 May 2025 16:30

Tgt Ion: 75 Resp: 15654
Ion Ratio Lower Upper
75 100
110 8.2 19.1 57.3#
77 0.2 25.5 38.3#

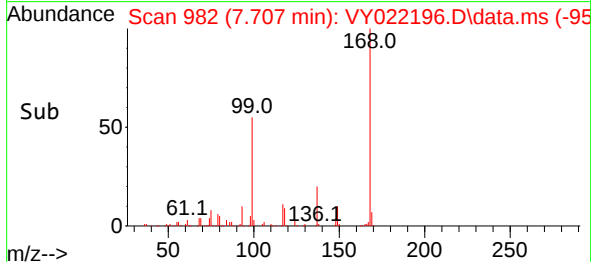
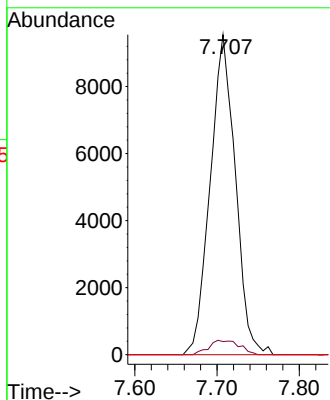
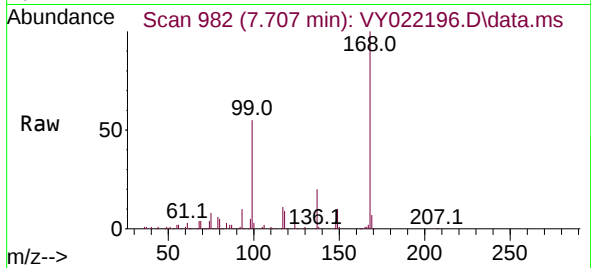




#38
Carbon Tetrachloride
Concen: 4.787 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022196.D
Acq: 07 May 2025 16:30

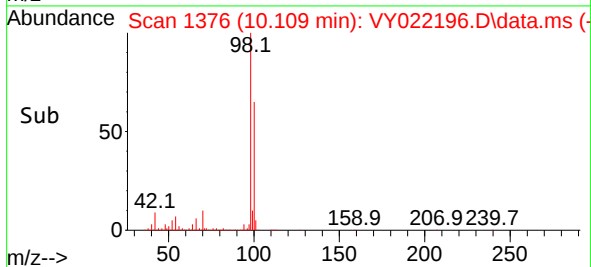
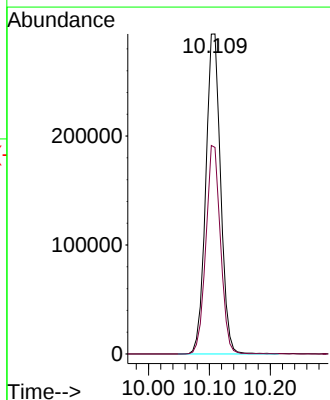
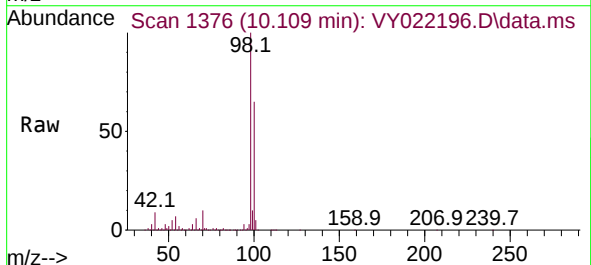
Instrument :
MSVOA_Y
ClientSampleId :
SUB-WC-2-VOC

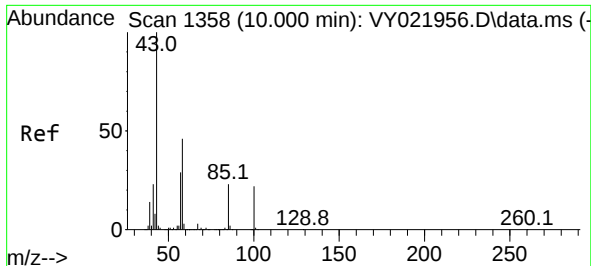
Tgt Ion:117 Resp: 20269
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 50.005 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022196.D
Acq: 07 May 2025 16:30

Tgt Ion: 98 Resp: 497298
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4

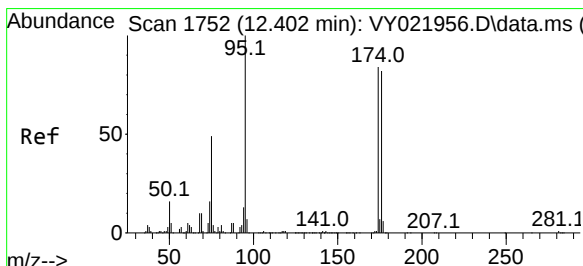
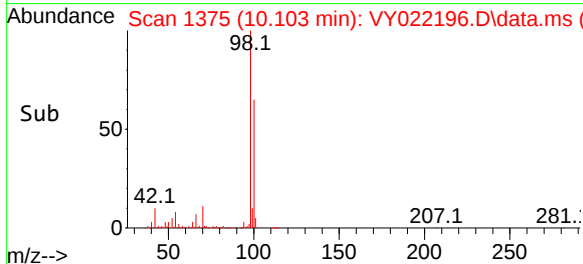
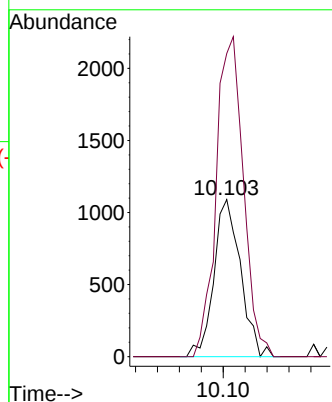
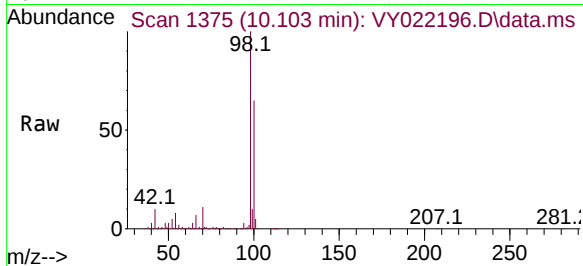




#51
4-Methyl-2-Pentanone
Concen: 1.434 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.104 min
Lab File: VY022196.D
Acq: 07 May 2025 16:30

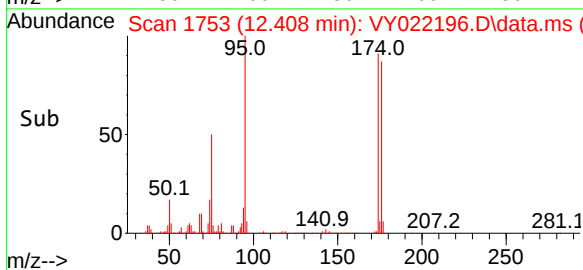
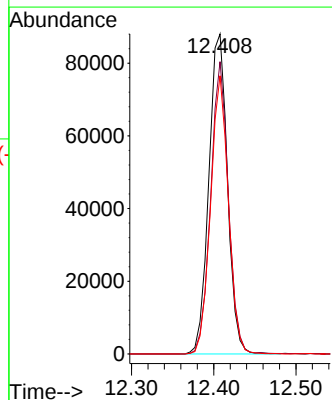
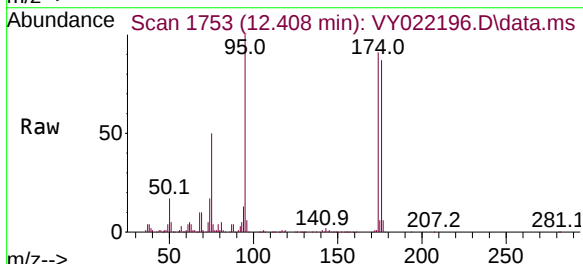
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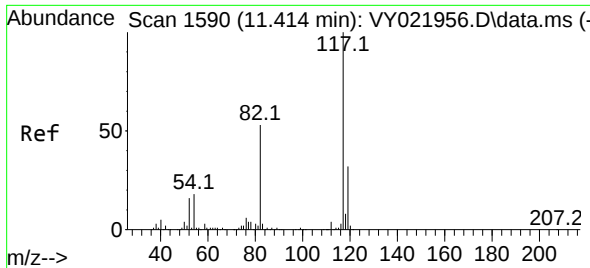
Tgt Ion: 43 Resp: 1837
Ion Ratio Lower Upper
43 100
58 208.4 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 41.474 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022196.D
Acq: 07 May 2025 16:30

Tgt Ion: 95 Resp: 138848
Ion Ratio Lower Upper
95 100
174 87.0 0.0 179.0
176 83.1 0.0 171.8

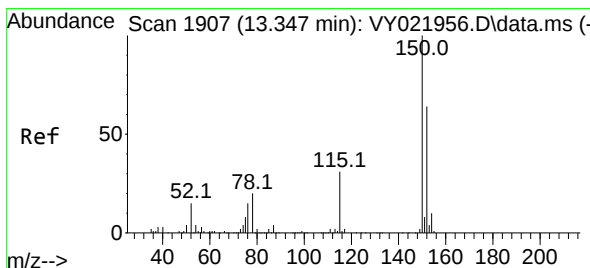
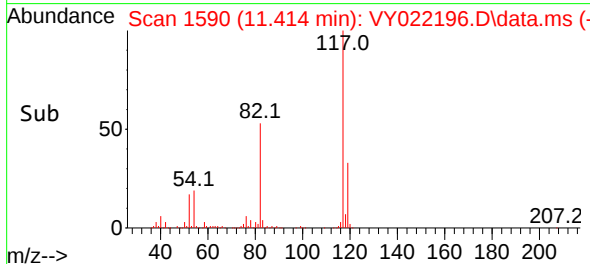
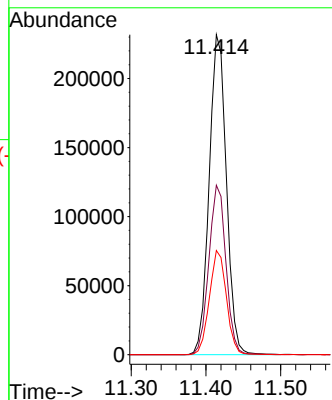
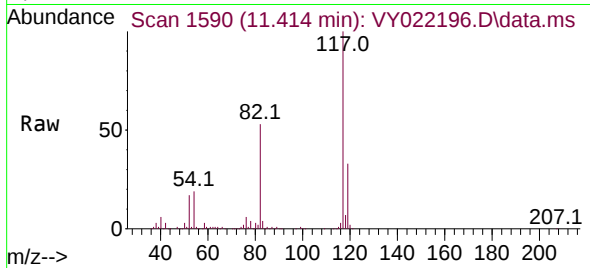




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022196.D
Acq: 07 May 2025 16:30

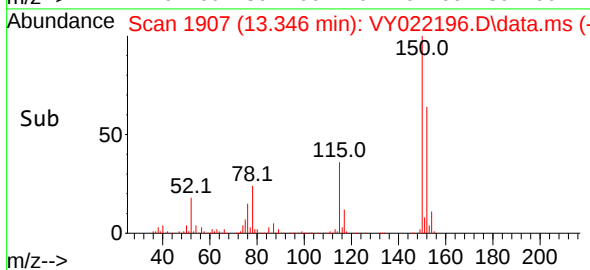
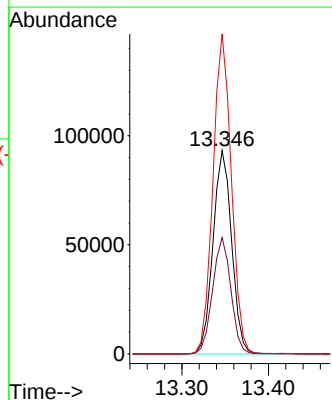
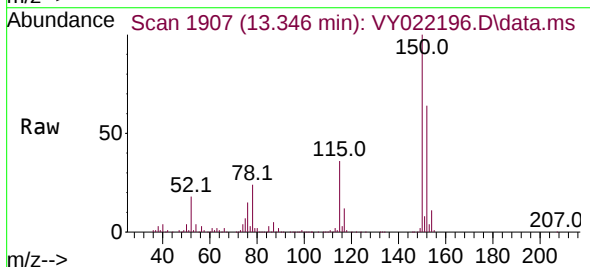
Instrument :
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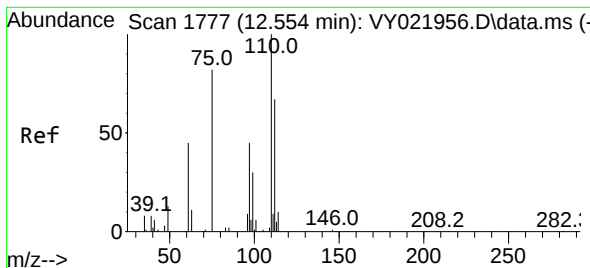
Tgt Ion:117 Resp: 370702
Ion Ratio Lower Upper
117 100
82 53.0 42.1 63.1
119 32.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022196.D
Acq: 07 May 2025 16:30

Tgt Ion:152 Resp: 139682
Ion Ratio Lower Upper
152 100
115 56.0 28.0 84.0
150 154.7 0.0 345.6

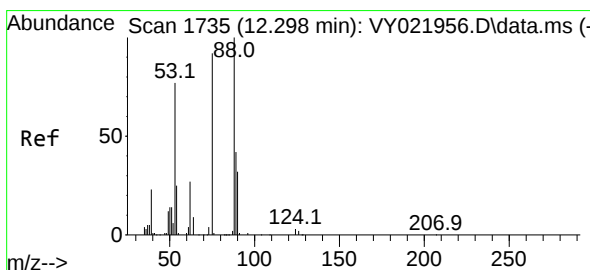
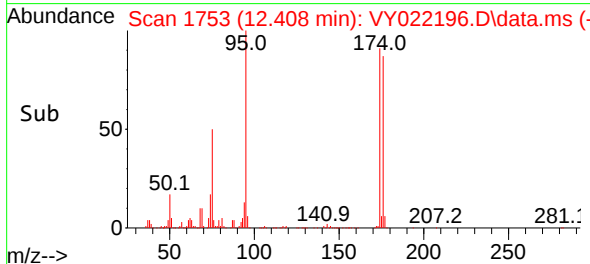
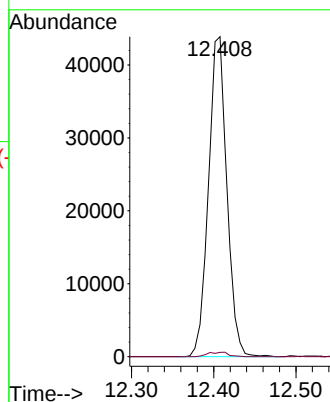
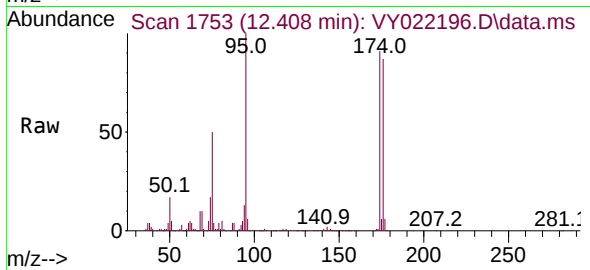




#76
1,2,3-Trichloropropane
Concen: 57.075 ug/l
RT: 12.408 min Scan# 1777
Delta R.T. -0.146 min
Lab File: VY022196.D
Acq: 07 May 2025 16:30

Instrument :
MSVOA_Y
ClientSampleId :
SUB-WC-2-VOC

Tgt Ion: 75 Resp: 68287
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 137.445 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022196.D
Acq: 07 May 2025 16:30

Tgt Ion: 75 Resp: 68287
Ion Ratio Lower Upper
75 100
53 0.2 66.0 99.0#
89 0.0 37.2 55.8#

