

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
 Data File : VY022479.D
 Acq On : 30 May 2025 15:28
 Operator : SY/MD
 Sample : Q2159-02
 Misc : 5.93g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP05-MHO-VOC

Quant Time: May 31 02:28:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

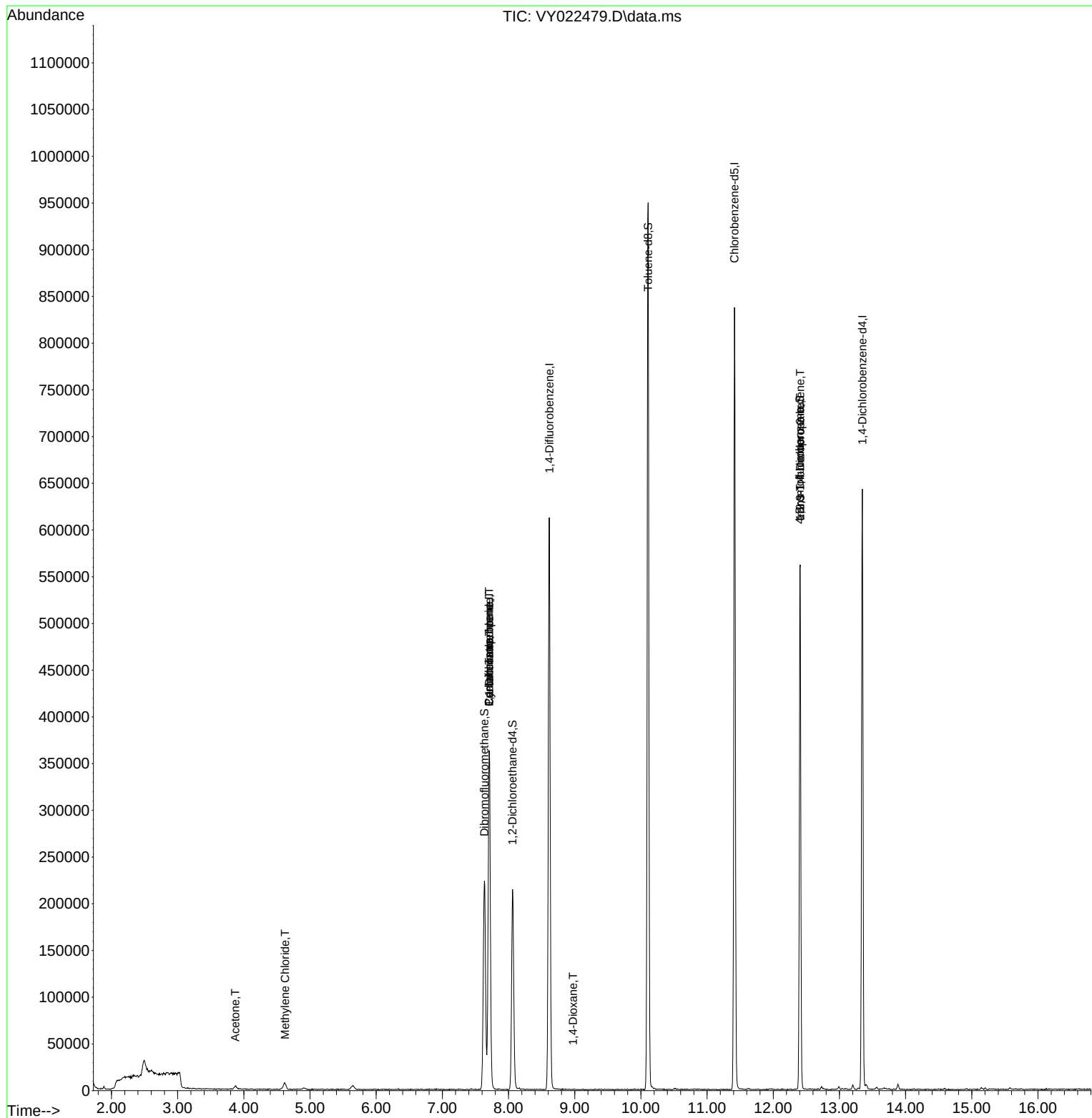
Internal Standards						
1) Pentafluorobenzene	7.707	168	272922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	504441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	404670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	147716	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	160983	56.000	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.000%
35) Dibromofluoromethane	7.634	113	154457	52.285	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.560%
50) Toluene-d8	10.109	98	605230	50.257	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.520%
62) 4-Bromofluorobenzene	12.402	95	156353	42.922	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.840%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	6061	12.831	ug/l	92
20) Methylene Chloride	4.622	84	4699	1.409	ug/l #	87
31) Cyclohexane	7.707	56	7750	1.402	ug/l #	46
36) 1,1-Dichloropropene	7.707	75	24606	5.249	ug/l #	50
38) Carbon Tetrachloride	7.707	117	29806	6.104	ug/l #	16
49) 1,4-Dioxane	8.975	88	25	1.236	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	92475	62.499	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	92475	141.339	ug/l #	12

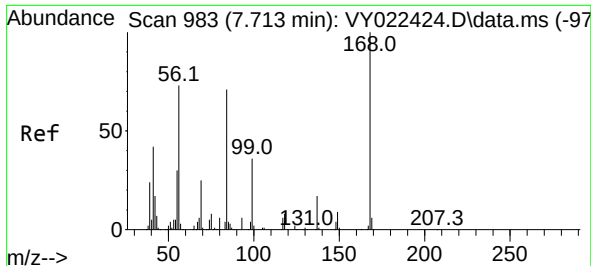
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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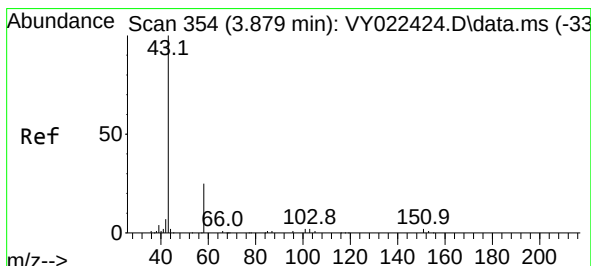
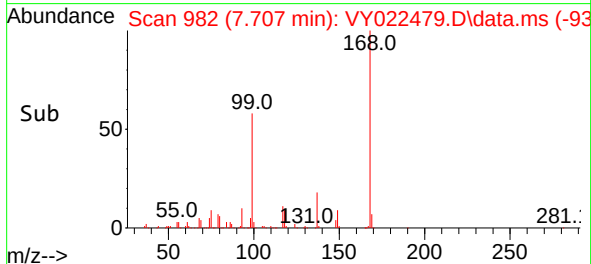
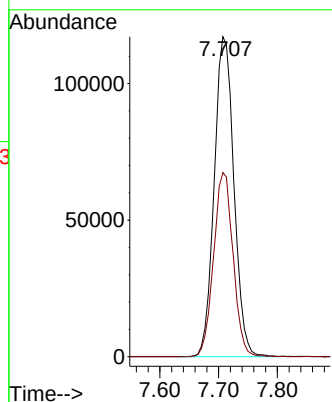
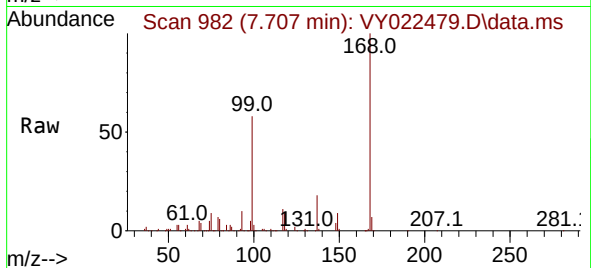




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022479.D
Acq: 30 May 2025 15:28

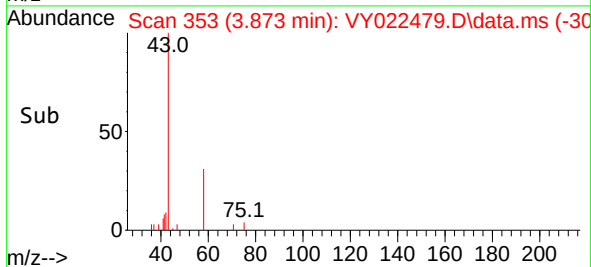
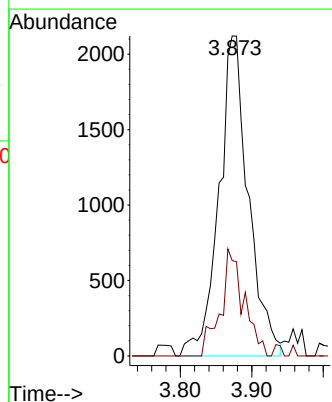
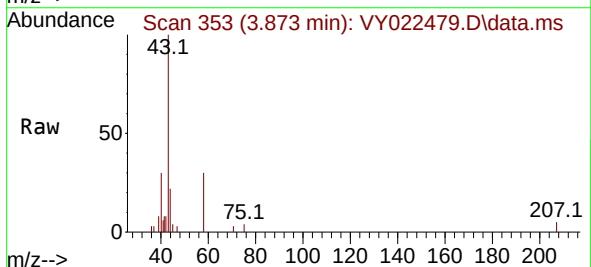
Instrument :
MSVOA_Y
ClientSampleId :
TP05-MHO-VOC

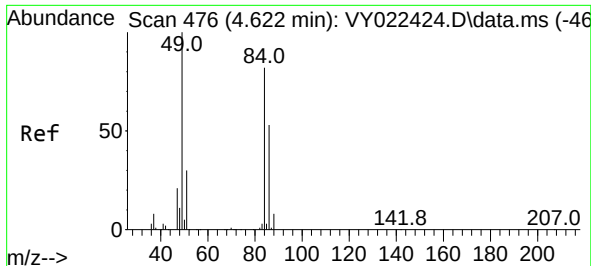
Tgt Ion:168 Resp: 272922
Ion Ratio Lower Upper
168 100
99 57.6 44.7 67.1



#16
Acetone
Concen: 12.831 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022479.D
Acq: 30 May 2025 15:28

Tgt Ion: 43 Resp: 6061
Ion Ratio Lower Upper
43 100
58 29.8 20.6 30.8

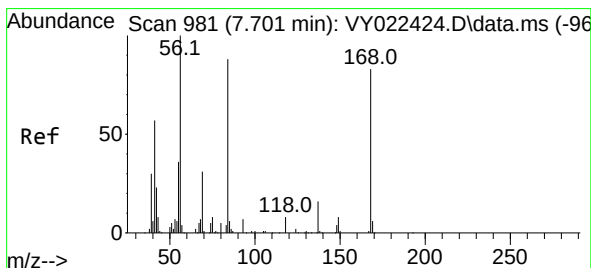
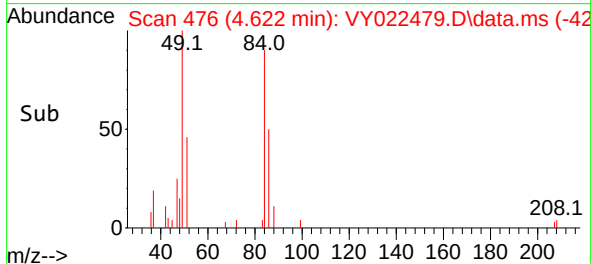
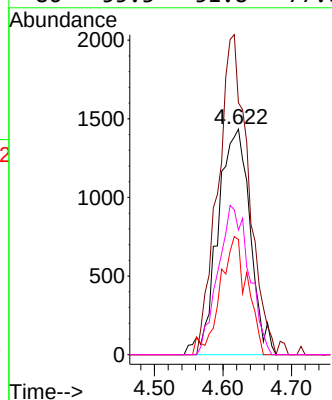
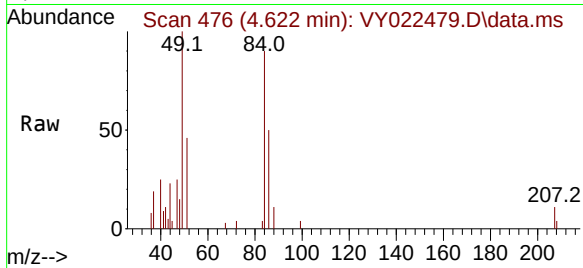




#20
Methylene Chloride
Concen: 1.409 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY022479.D
Acq: 30 May 2025 15:28

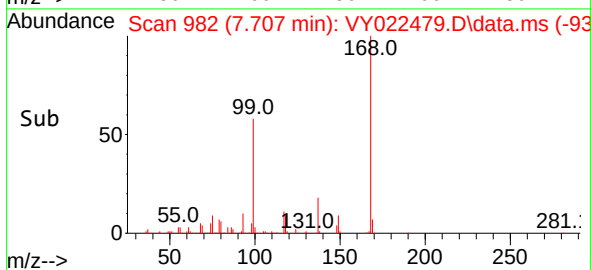
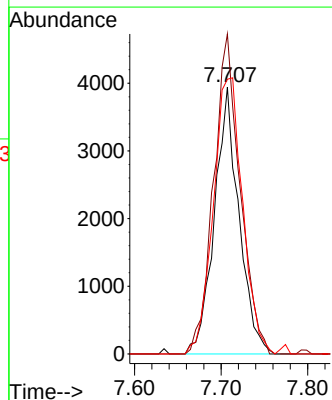
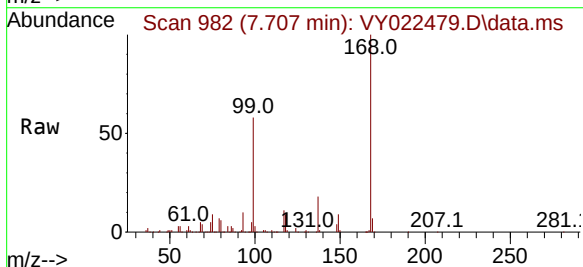
Instrument :
MSVOA_Y
ClientSampleId :
TP05-MHO-VOC

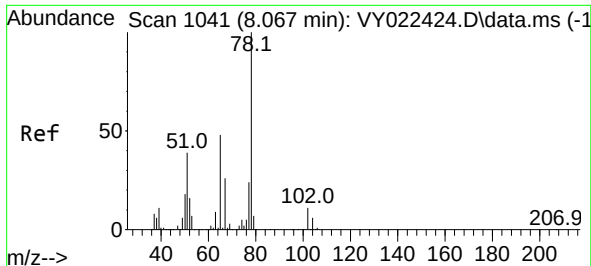
Tgt Ion:	84	Resp:	4699
Ion	Ratio	Lower	Upper
84	100		
49	111.6	97.8	146.8
51	51.1	29.5	44.3#
86	55.3	51.8	77.6



#31
Cyclohexane
Concen: 1.402 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022479.D
Acq: 30 May 2025 15:28

Tgt Ion:	56	Resp:	7750
Ion	Ratio	Lower	Upper
56	100		
69	119.9	24.6	36.8#
84	102.9	70.4	105.6





#33

1,2-Dichloroethane-d4

Concen: 56.000 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022479.D

Acq: 30 May 2025 15:28

Instrument :

MSVOA_Y

ClientSampleId :

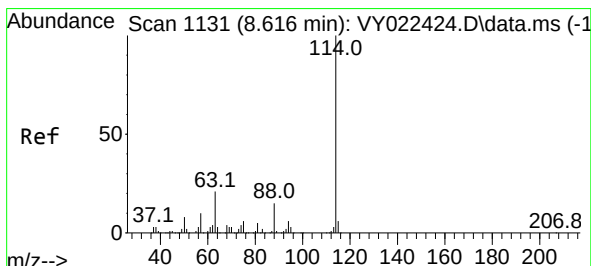
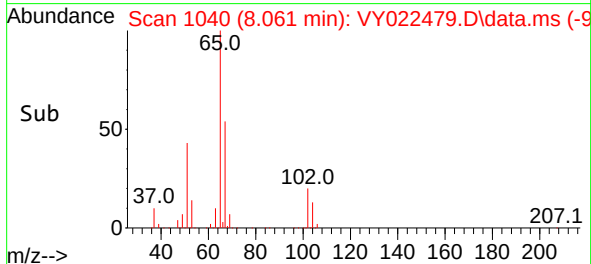
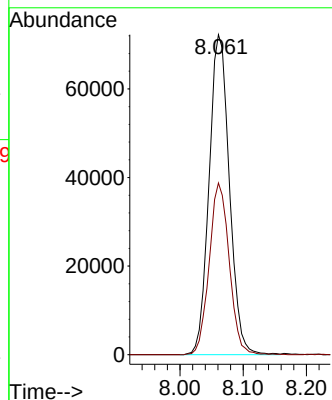
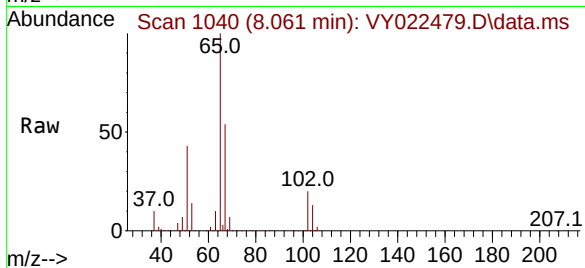
TP05-MHO-VOC

Tgt Ion: 65 Resp: 160983

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022479.D

Acq: 30 May 2025 15:28

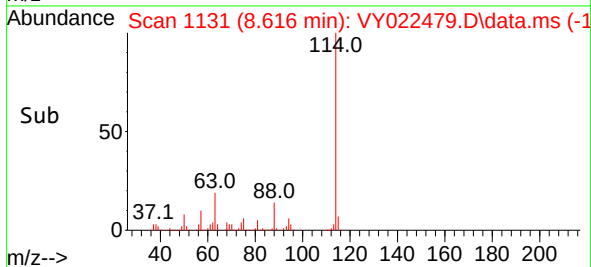
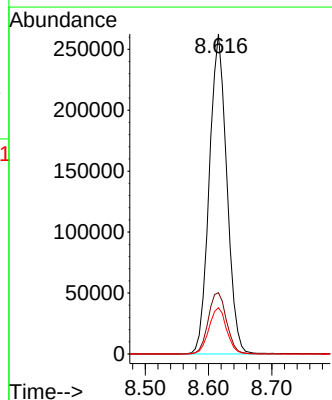
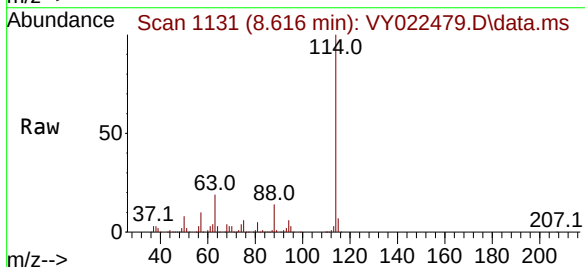
Tgt Ion: 114 Resp: 504441

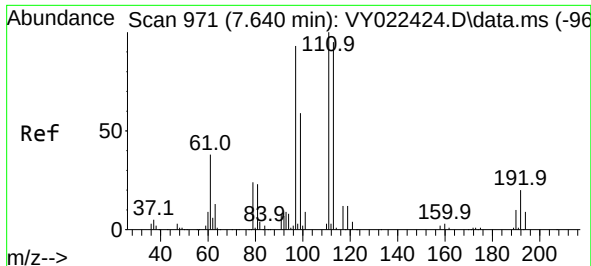
Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.6

88 14.5 0.0 29.4

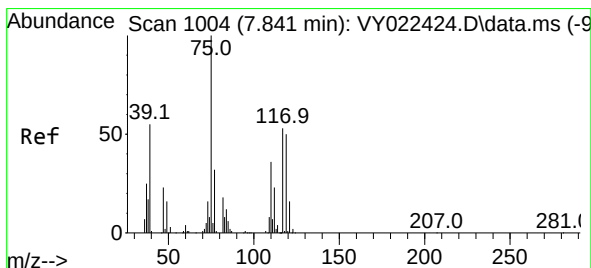
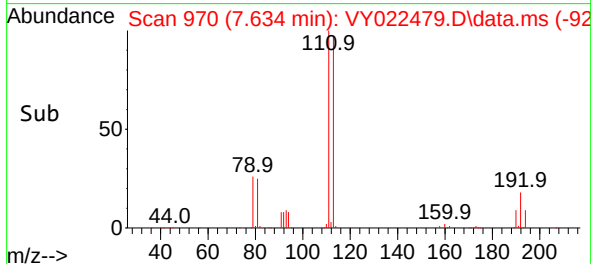
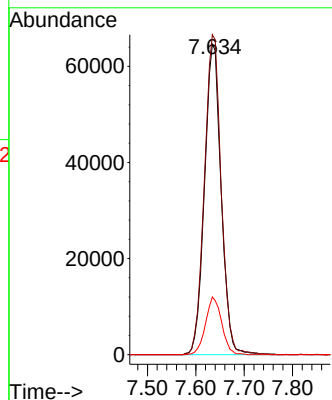
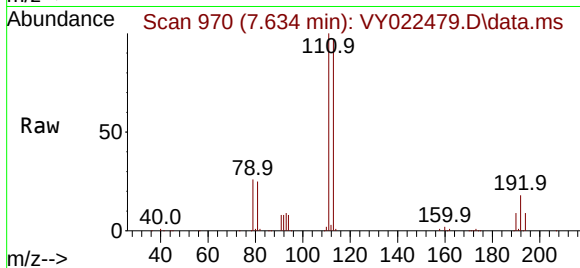




#35
Dibromofluoromethane
Concen: 52.285 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022479.D
Acq: 30 May 2025 15:28

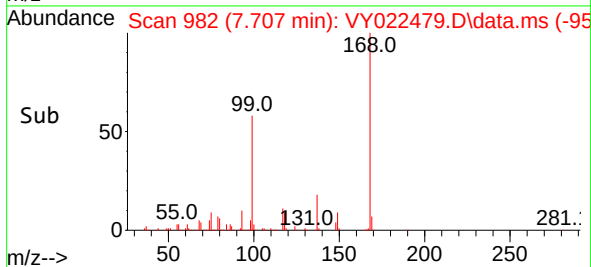
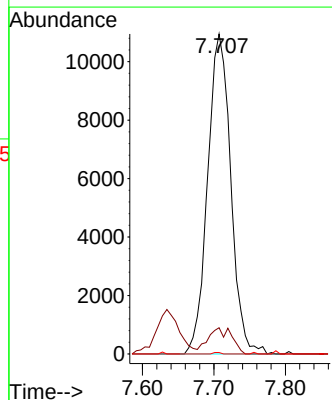
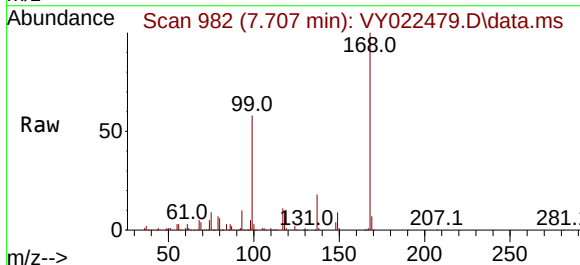
Instrument :
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ClientSampleId :
TP05-MHO-VOC

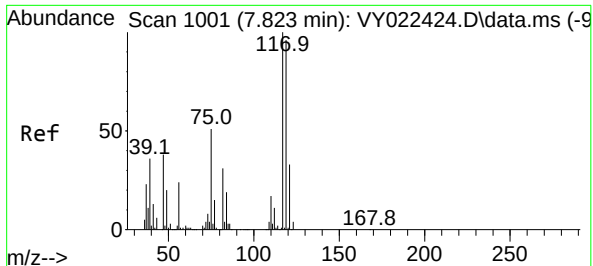
Tgt Ion:113 Resp: 154457
Ion Ratio Lower Upper
113 100
111 104.1 82.4 123.6
192 18.1 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.249 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022479.D
Acq: 30 May 2025 15:28

Tgt Ion: 75 Resp: 24606
Ion Ratio Lower Upper
75 100
110 8.4 17.1 51.2#
77 0.2 25.1 37.7#

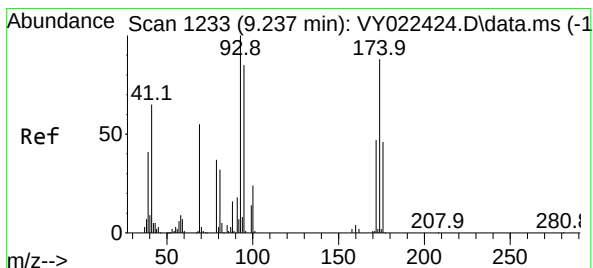
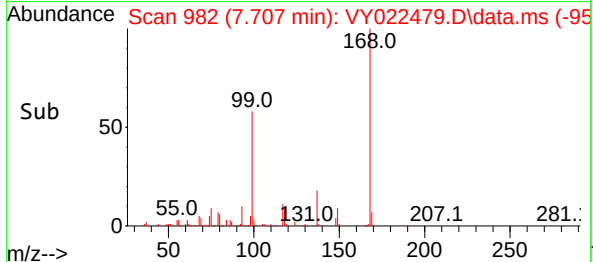
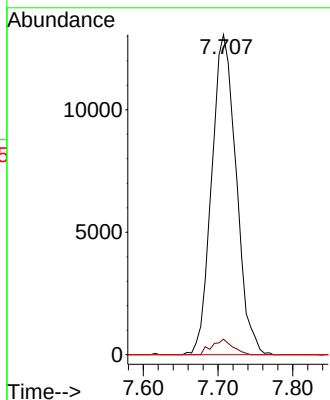
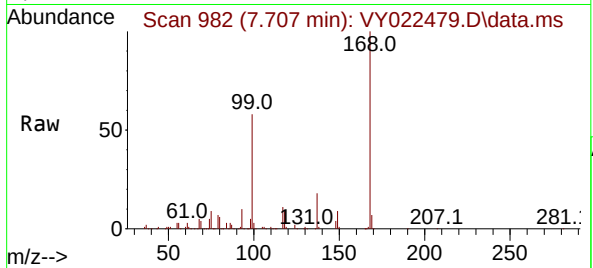




#38
Carbon Tetrachloride
Concen: 6.104 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022479.D
Acq: 30 May 2025 15:28

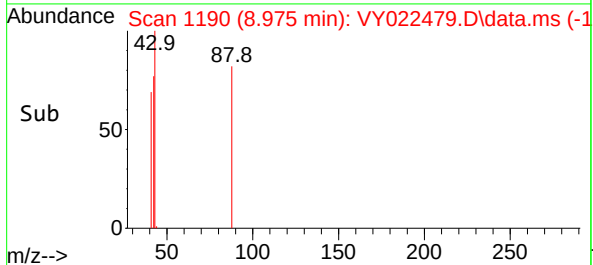
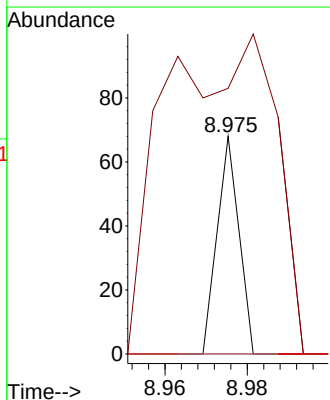
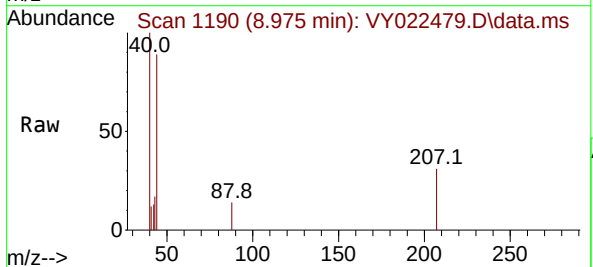
Instrument :
MSVOA_Y
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TP05-MHO-VOC

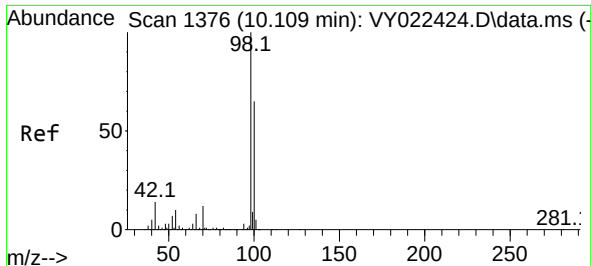
Tgt Ion:117 Resp: 29806
Ion Ratio Lower Upper
117 100
119 4.8 76.3 114.5#
121 0.0 26.1 39.1#



#49
1,4-Dioxane
Concen: 1.236 ug/l
RT: 8.975 min Scan# 1190
Delta R.T. -0.262 min
Lab File: VY022479.D
Acq: 30 May 2025 15:28

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 740.0 26.9 40.3#
58 0.0 55.8 83.6#

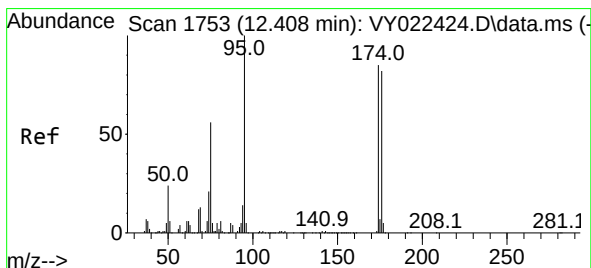
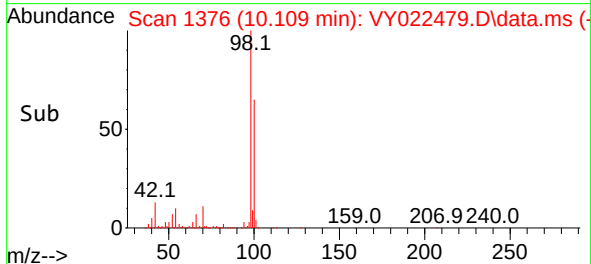
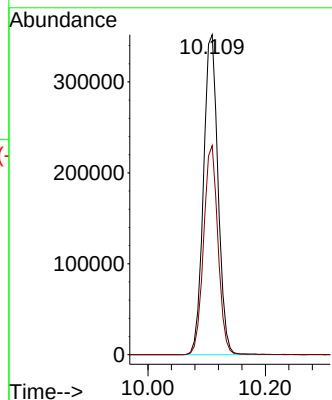
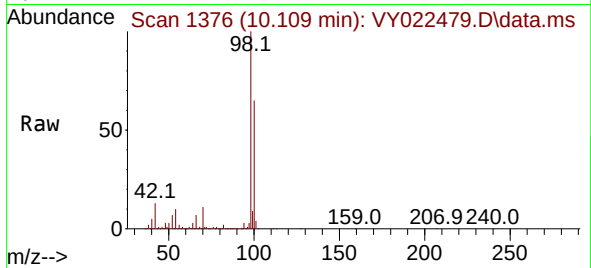




#50
Toluene-d8
Concen: 50.257 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022479.D
Acq: 30 May 2025 15:28

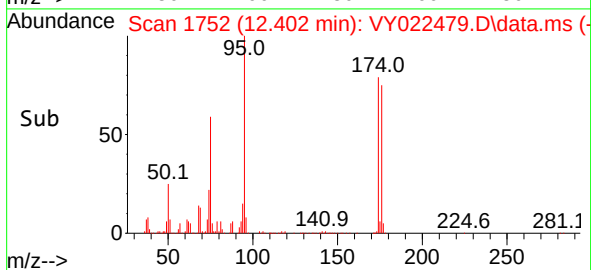
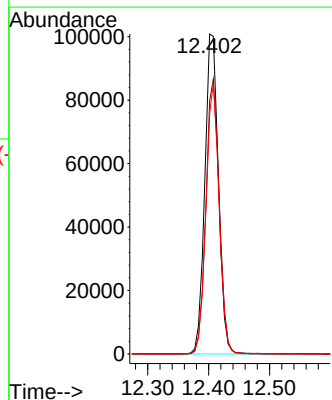
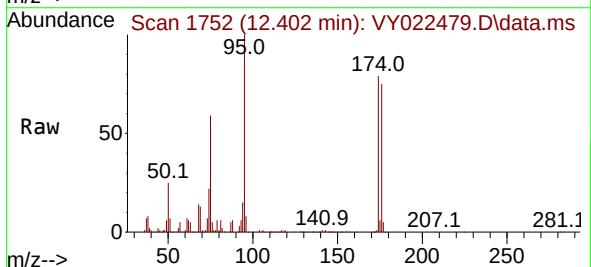
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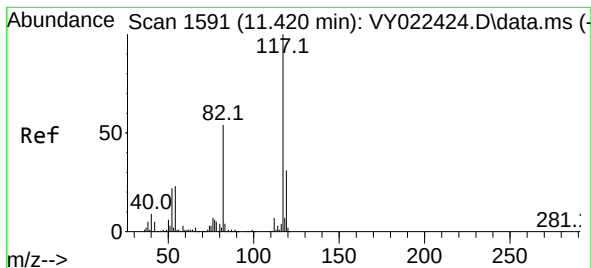
Tgt Ion: 98 Resp: 605230
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 42.922 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022479.D
Acq: 30 May 2025 15:28

Tgt Ion: 95 Resp: 156353
Ion Ratio Lower Upper
95 100
174 84.3 0.0 171.6
176 81.7 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022479.D

Acq: 30 May 2025 15:28

Instrument :

MSVOA_Y

ClientSampleId :

TP05-MHO-VOC

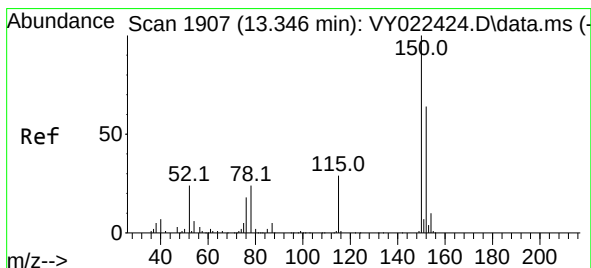
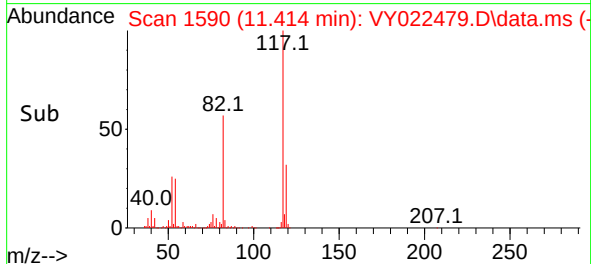
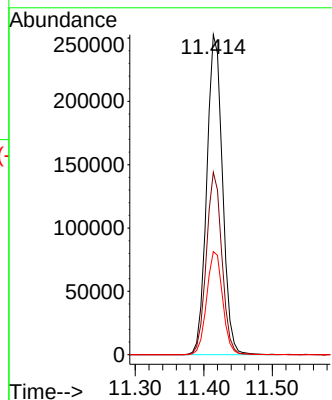
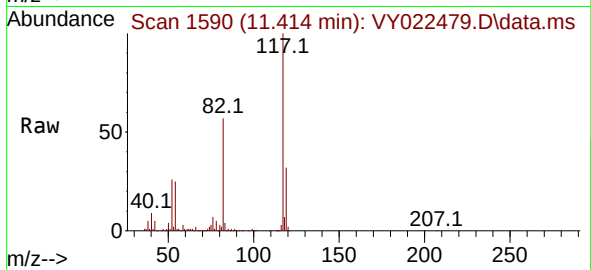
Tgt Ion:117 Resp: 404670

Ion Ratio Lower Upper

117 100

82 57.0 43.3 64.9

119 32.2 24.5 36.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022479.D

Acq: 30 May 2025 15:28

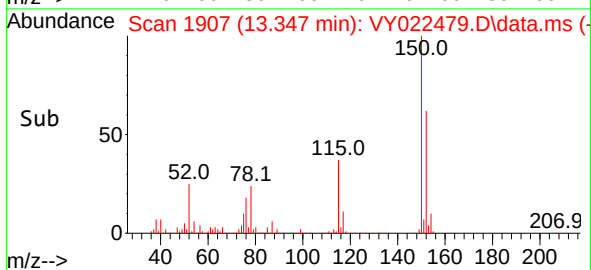
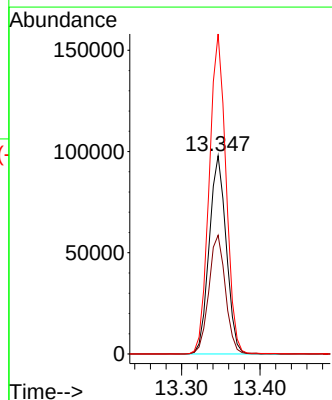
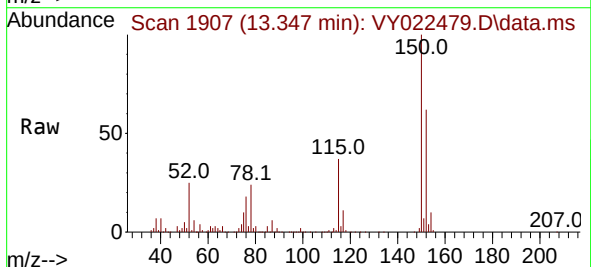
Tgt Ion:152 Resp: 147716

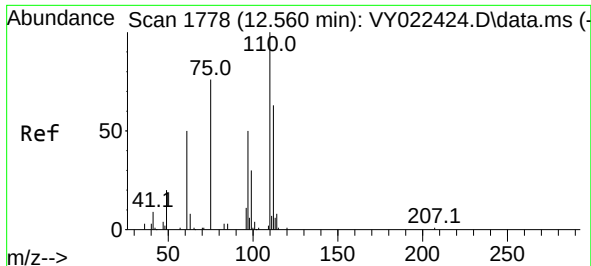
Ion Ratio Lower Upper

152 100

115 58.4 28.4 85.3

150 159.0 0.0 345.8

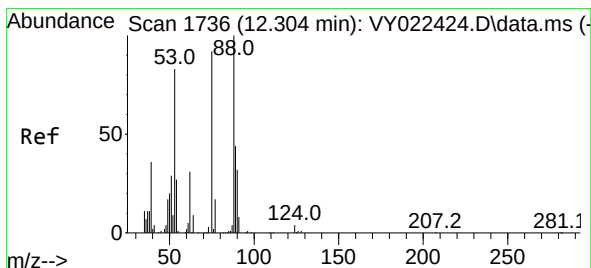
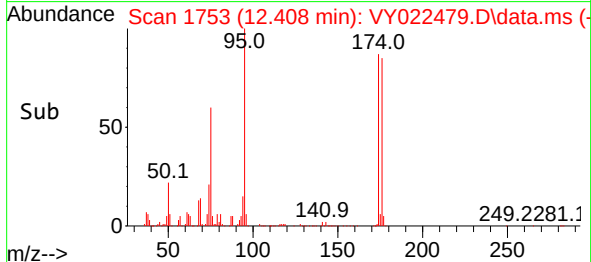
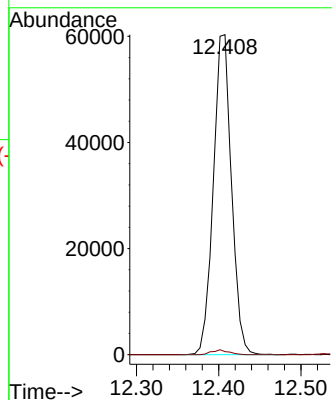
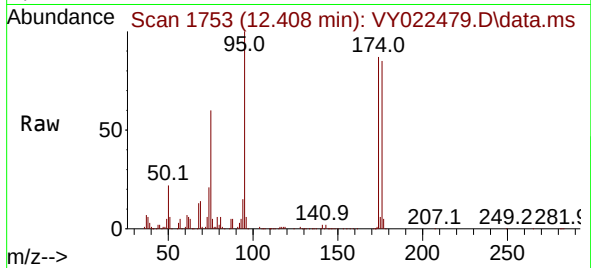




#76
 1,2,3-Trichloropropane
 Concen: 62.499 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY022479.D
 Acq: 30 May 2025 15:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP05-MHO-VOC

Tgt Ion: 75 Resp: 92475
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.339 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY022479.D
 Acq: 30 May 2025 15:28

Tgt Ion: 75 Resp: 92475
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.1 112.7#
 89 0.1 37.4 56.0#

