

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050725\
 Data File : VY022193.D
 Acq On : 07 May 2025 15:19
 Operator : SY/MD
 Sample : Q1972-11
 Misc : 5.14g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: May 08 01:42:57 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)

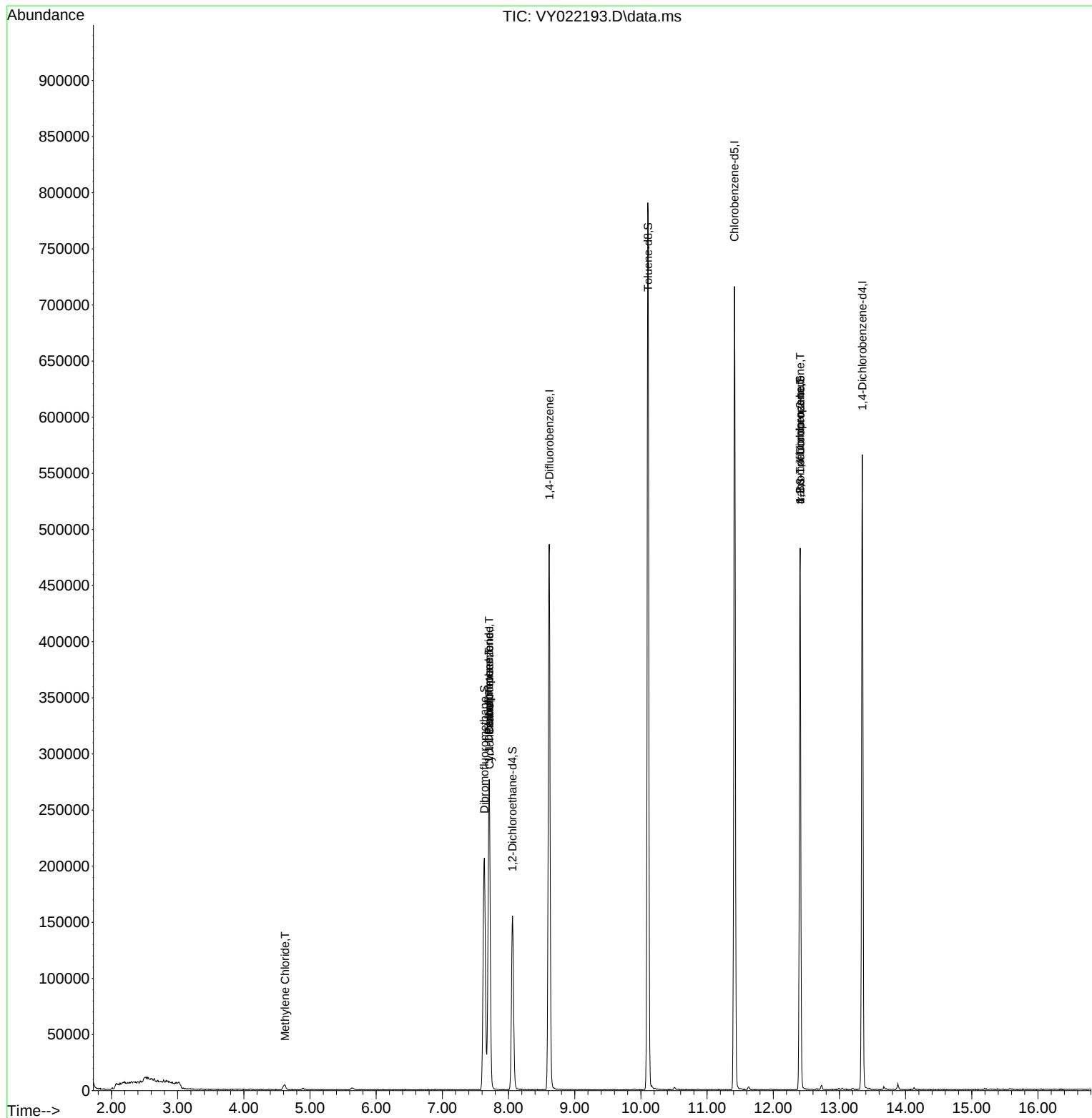
Internal Standards						
1) Pentafluorobenzene	7.707	168	209457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	425446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	392385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	143638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	121284	62.688	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.380%	
35) Dibromofluoromethane	7.634	113	149008	53.014	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.020%	
50) Toluene-d8	10.109	98	525683	49.610	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.220%	
62) 4-Bromofluorobenzene	12.408	95	142570	39.967	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 79.940%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	729	Below Cal	#	59
20) Methylene Chloride	4.623	84	3493	1.428	ug/l	86
31) Cyclohexane	7.713	56	4147	1.297	ug/l #	11
36) 1,1-Dichloropropene	7.701	75	17061	4.519	ug/l #	47
38) Carbon Tetrachloride	7.707	117	21088	4.674	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	71878	58.422	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	71878	140.688	ug/l #	16

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

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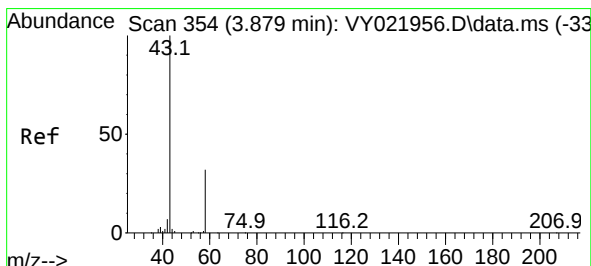
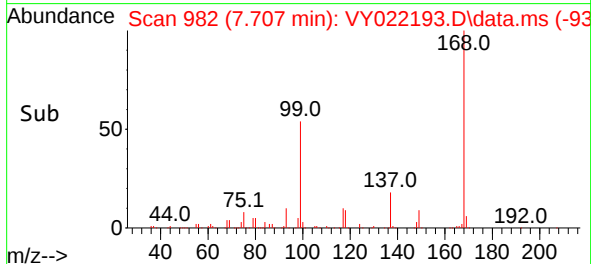
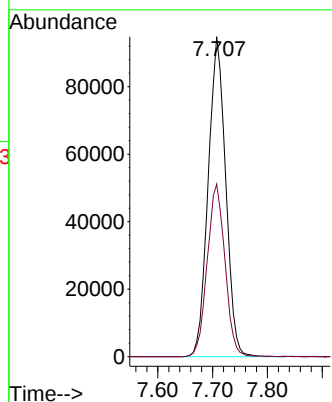
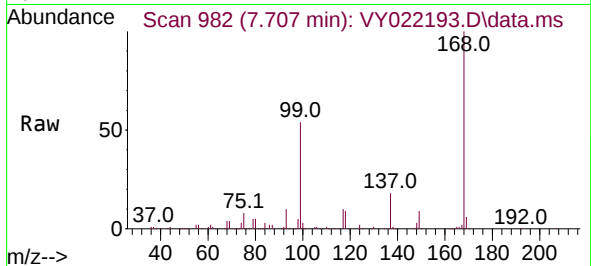




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022193.D
Acq: 07 May 2025 15:19

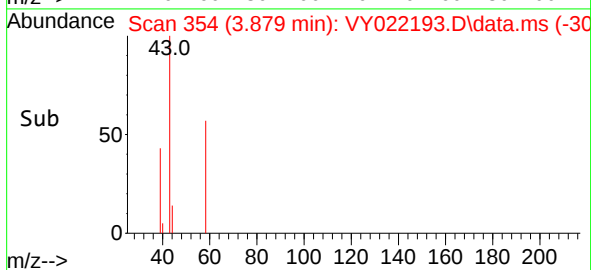
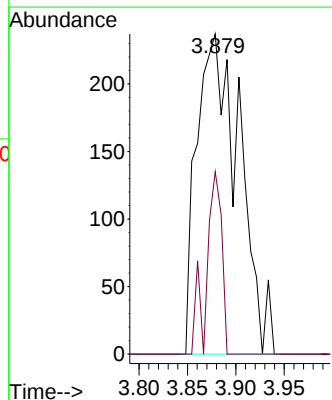
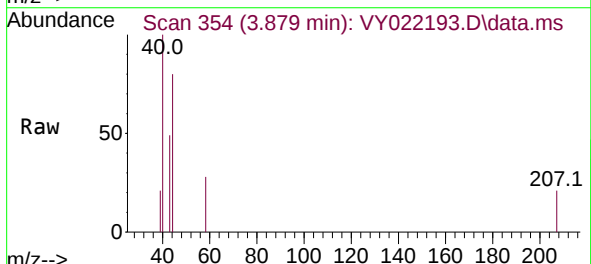
Instrument :
MSVOA_Y
ClientSampleId :
WC-B-2-VOC

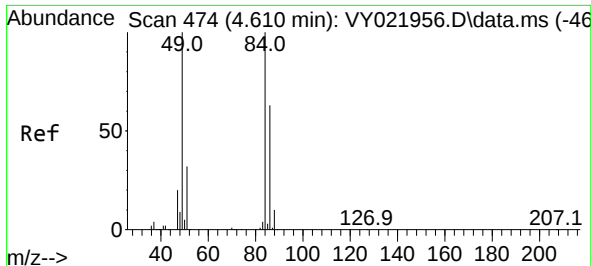
Tgt Ion:168 Resp: 209457
Ion Ratio Lower Upper
168 100
99 53.9 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022193.D
Acq: 07 May 2025 15:19

Tgt Ion: 43 Resp: 729
Ion Ratio Lower Upper
43 100
58 57.0 27.0 40.4#

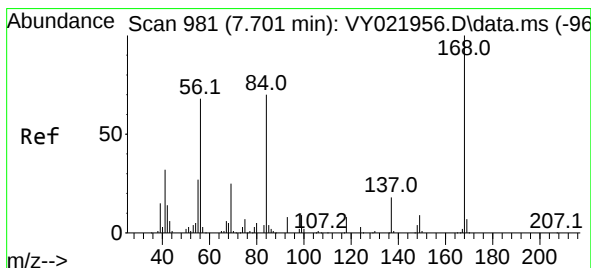
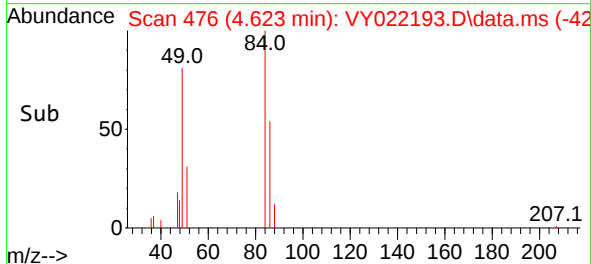
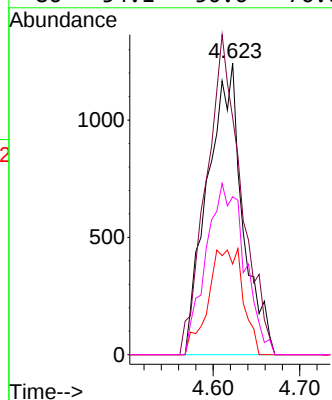
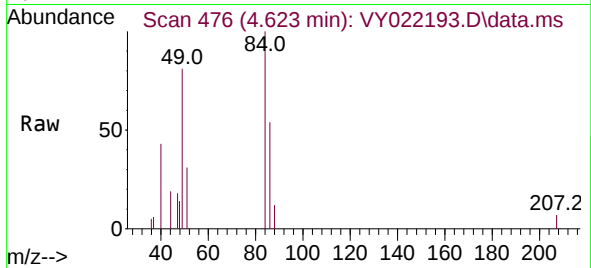




#20
Methylene Chloride
Concen: 1.428 ug/l
RT: 4.623 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY022193.D
Acq: 07 May 2025 15:19

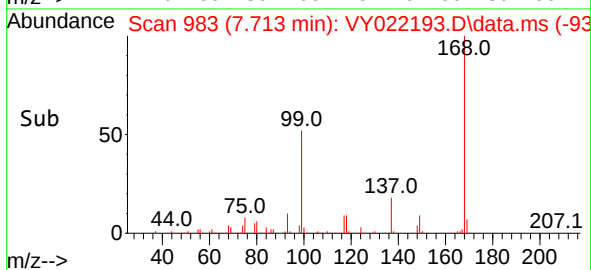
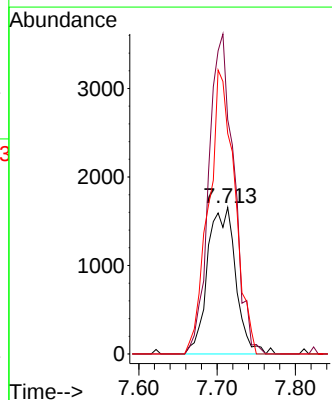
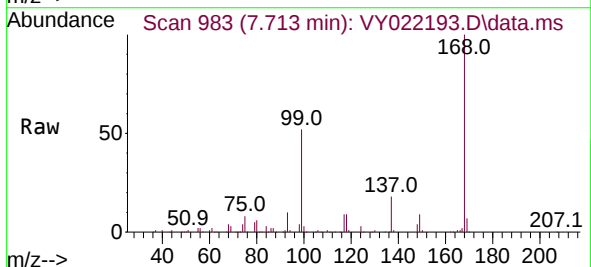
Instrument :
MSVOA_Y
ClientSampleId :
WC-B-2-VOC

Tgt Ion:	84	Resp:	3493
Ion	Ratio	Lower	Upper
84	100		
49	81.3	79.9	119.9
51	31.1	25.4	38.0
86	54.1	50.6	76.0



#31
Cyclohexane
Concen: 1.297 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY022193.D
Acq: 07 May 2025 15:19

Tgt Ion:	56	Resp:	4147
Ion	Ratio	Lower	Upper
56	100		
69	160.0	29.4	44.2#
84	150.5	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 62.688 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY022193.D

Acq: 07 May 2025 15:19

Instrument :

MSVOA_Y

ClientSampleId :

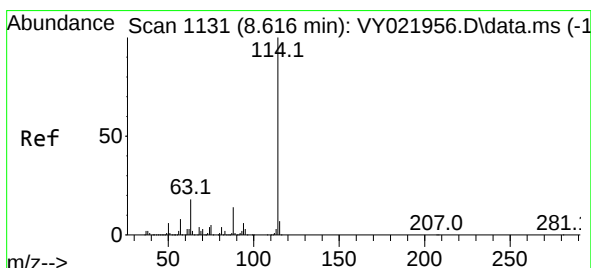
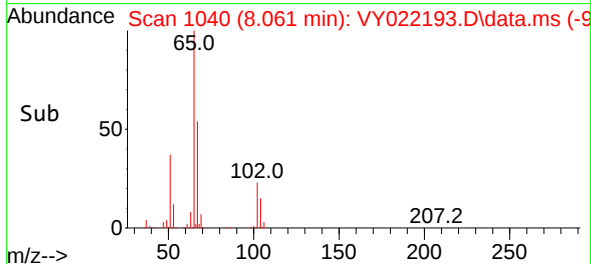
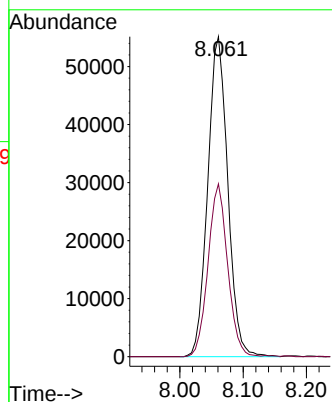
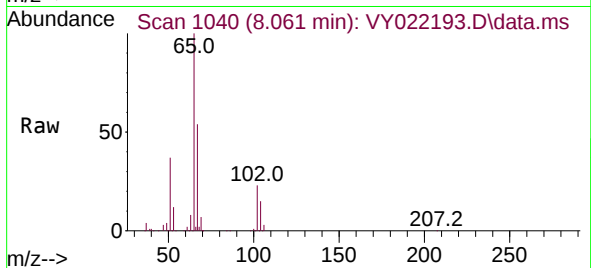
WC-B-2-VOC

Tgt Ion: 65 Resp: 121284

Ion Ratio Lower Upper

65 100

67 52.7 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: VY022193.D

Acq: 07 May 2025 15:19

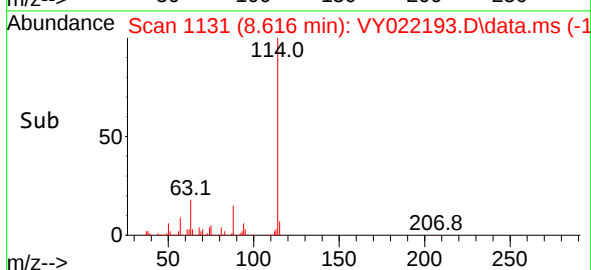
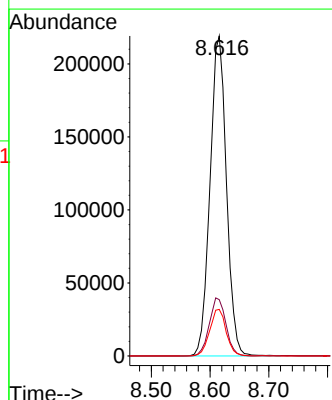
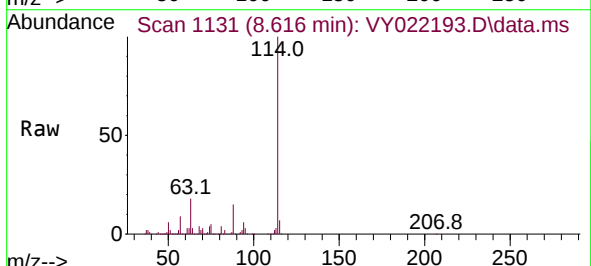
Tgt Ion: 114 Resp: 425446

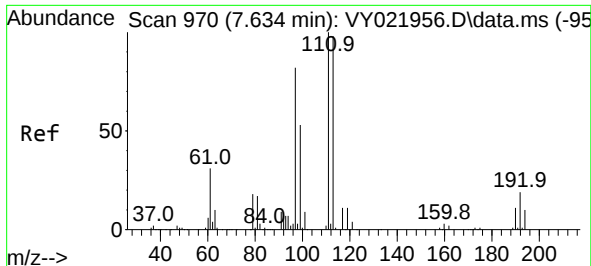
Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.4

88 14.5 0.0 28.2

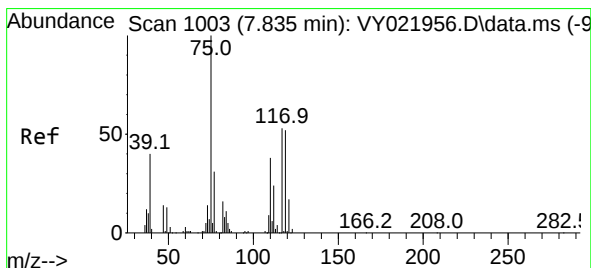
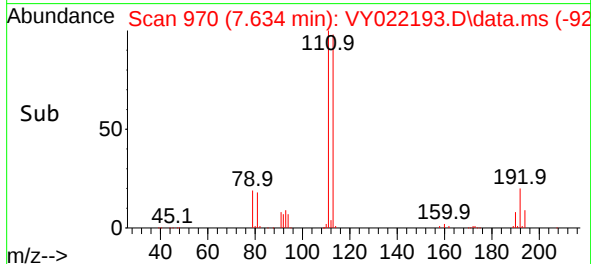
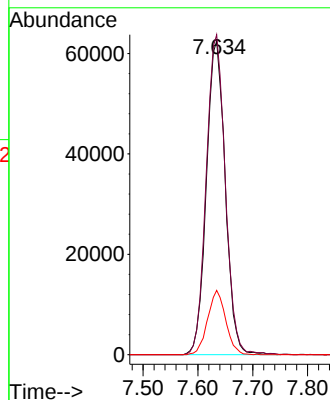
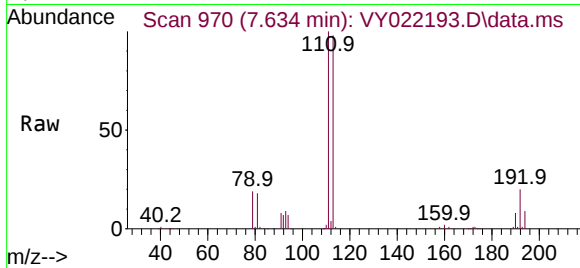




#35
Dibromofluoromethane
Concen: 53.014 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022193.D
Acq: 07 May 2025 15:19

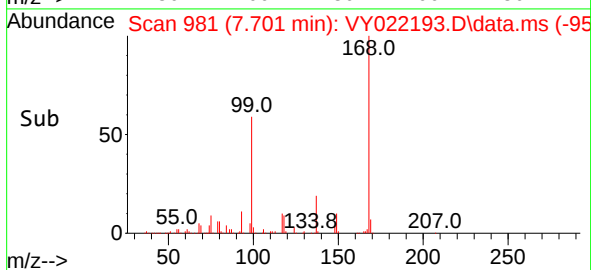
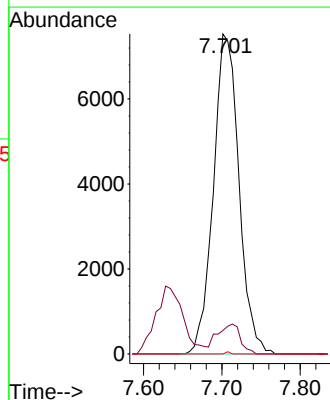
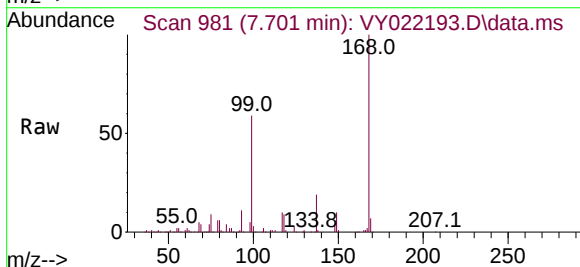
Instrument :
MSVOA_Y
ClientSampleId :
WC-B-2-VOC

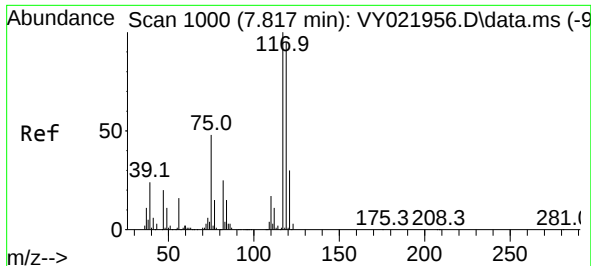
Tgt Ion:113 Resp: 149008
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.8
192 19.7 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.519 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY022193.D
Acq: 07 May 2025 15:19

Tgt Ion: 75 Resp: 17061
Ion Ratio Lower Upper
75 100
110 8.4 19.1 57.3#
77 0.1 25.5 38.3#

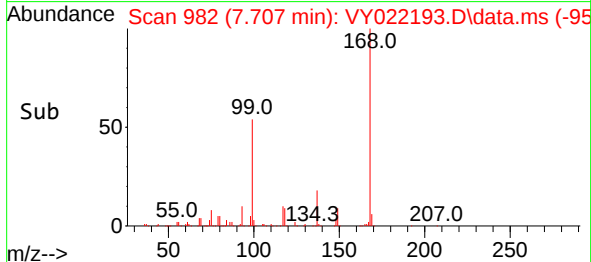
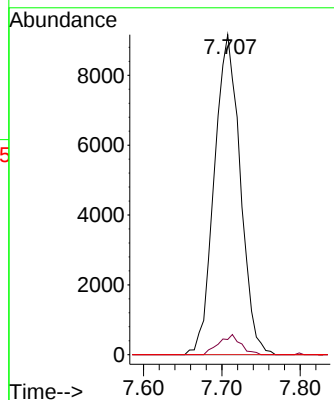
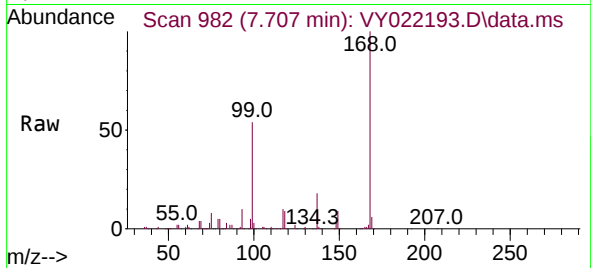




#38
Carbon Tetrachloride
Concen: 4.674 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022193.D
Acq: 07 May 2025 15:19

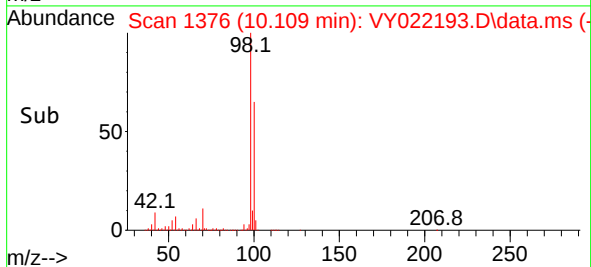
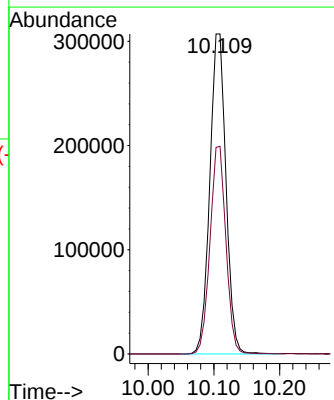
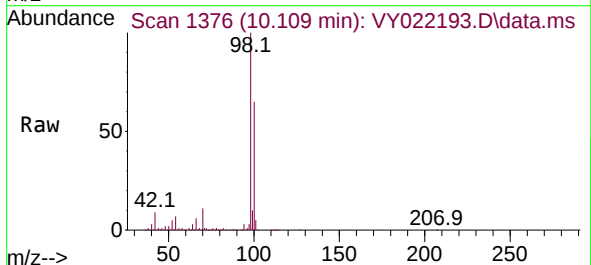
Instrument :
MSVOA_Y
ClientSampleId :
WC-B-2-VOC

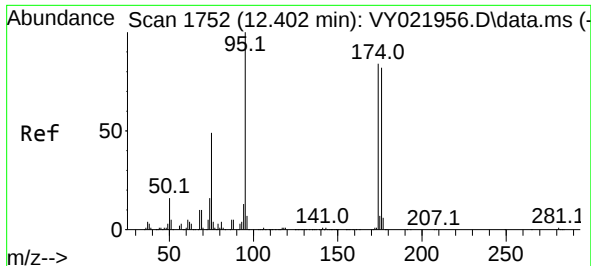
Tgt Ion:117 Resp: 21088
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.610 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022193.D
Acq: 07 May 2025 15:19

Tgt Ion: 98 Resp: 525683
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4

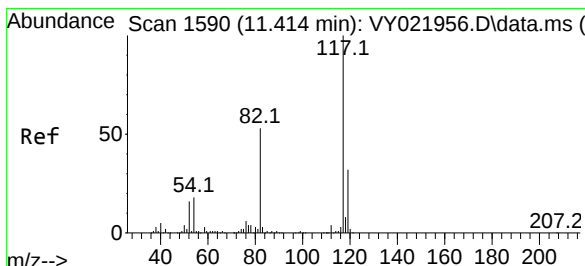
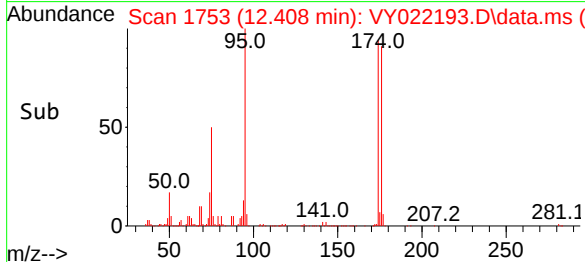
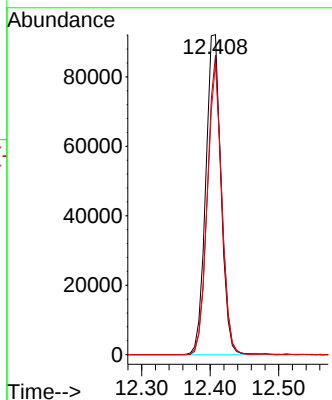
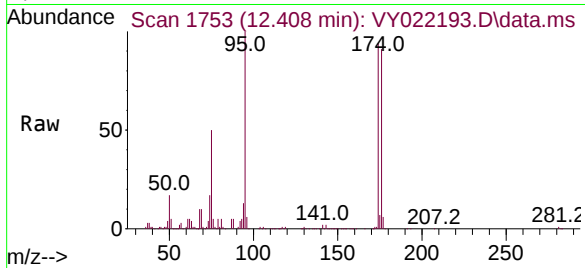




#62
4-Bromofluorobenzene
Concen: 39.967 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022193.D
Acq: 07 May 2025 15:19

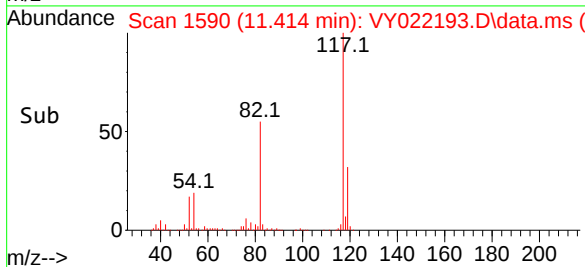
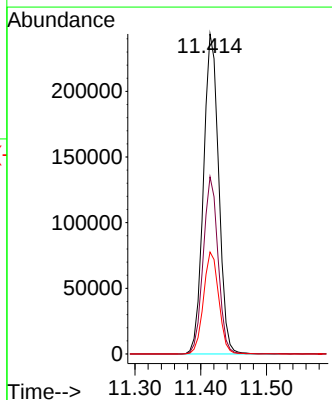
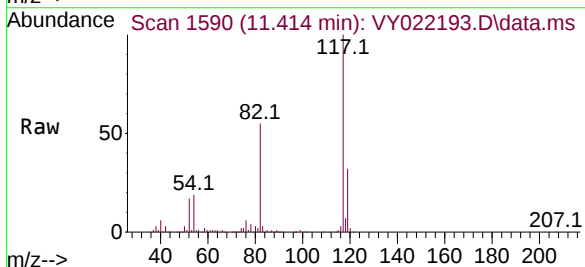
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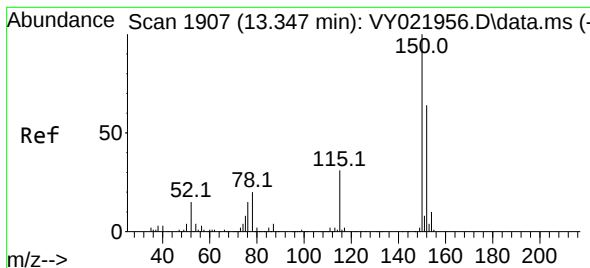
Tgt Ion: 95 Resp: 142570
Ion Ratio Lower Upper
95 100
174 87.8 0.0 179.0
176 86.0 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022193.D
Acq: 07 May 2025 15:19

Tgt Ion: 117 Resp: 392385
Ion Ratio Lower Upper
117 100
82 55.3 42.1 63.1
119 31.8 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: VY022193.D

Acq: 07 May 2025 15:19

Instrument :

MSVOA_Y

ClientSampleId :

WC-B-2-VOC

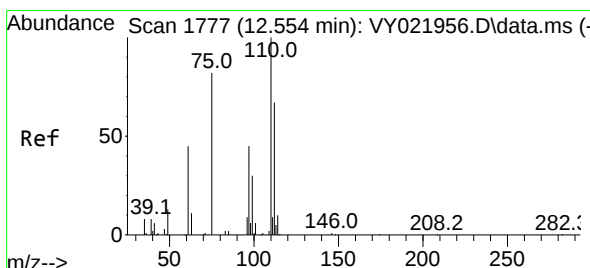
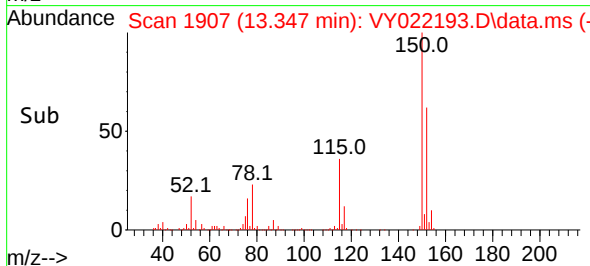
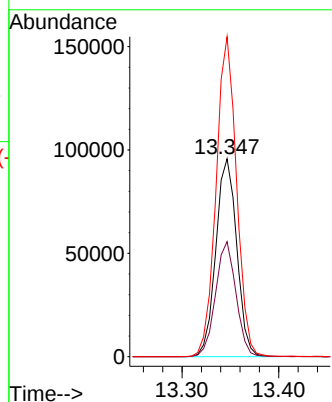
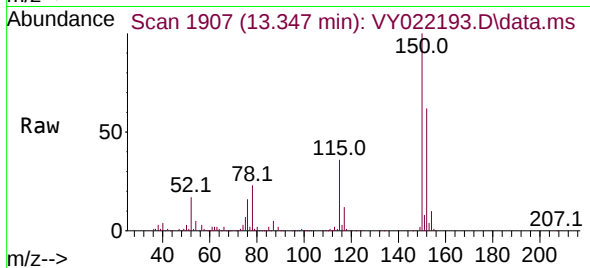
Tgt Ion:152 Resp: 143638

Ion Ratio Lower Upper

152 100

115 57.1 28.0 84.0

150 158.0 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 58.422 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022193.D

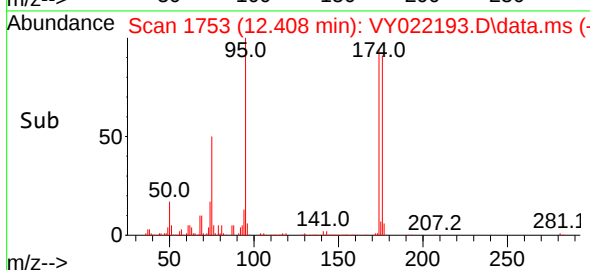
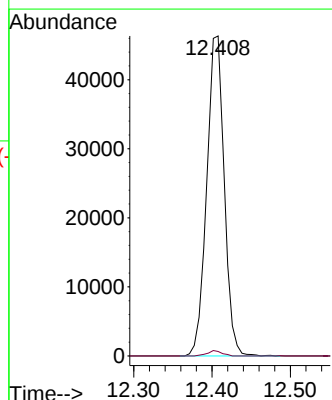
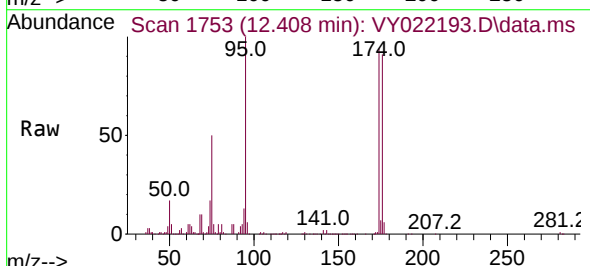
Acq: 07 May 2025 15:19

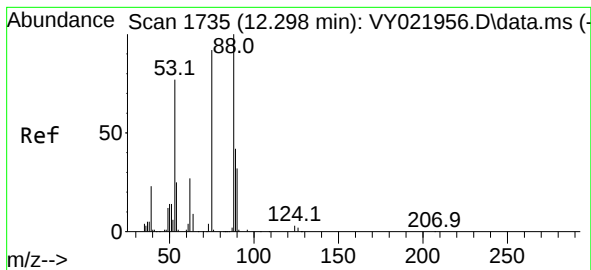
Tgt Ion: 75 Resp: 71878

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 140.688 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY022193.D
Acq: 07 May 2025 15:19

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

Tgt Ion: 75 Resp: 71878
Ion Ratio Lower Upper
75 100
53 0.3 66.0 99.0#
89 0.1 37.2 55.8#

