

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050923\
 Data File : VY013668.D
 Acq On : 09 May 2023 15:11
 Operator : KP/MD
 Sample : 02624-02
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WZ-2A

Quant Time: May 10 05:37:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

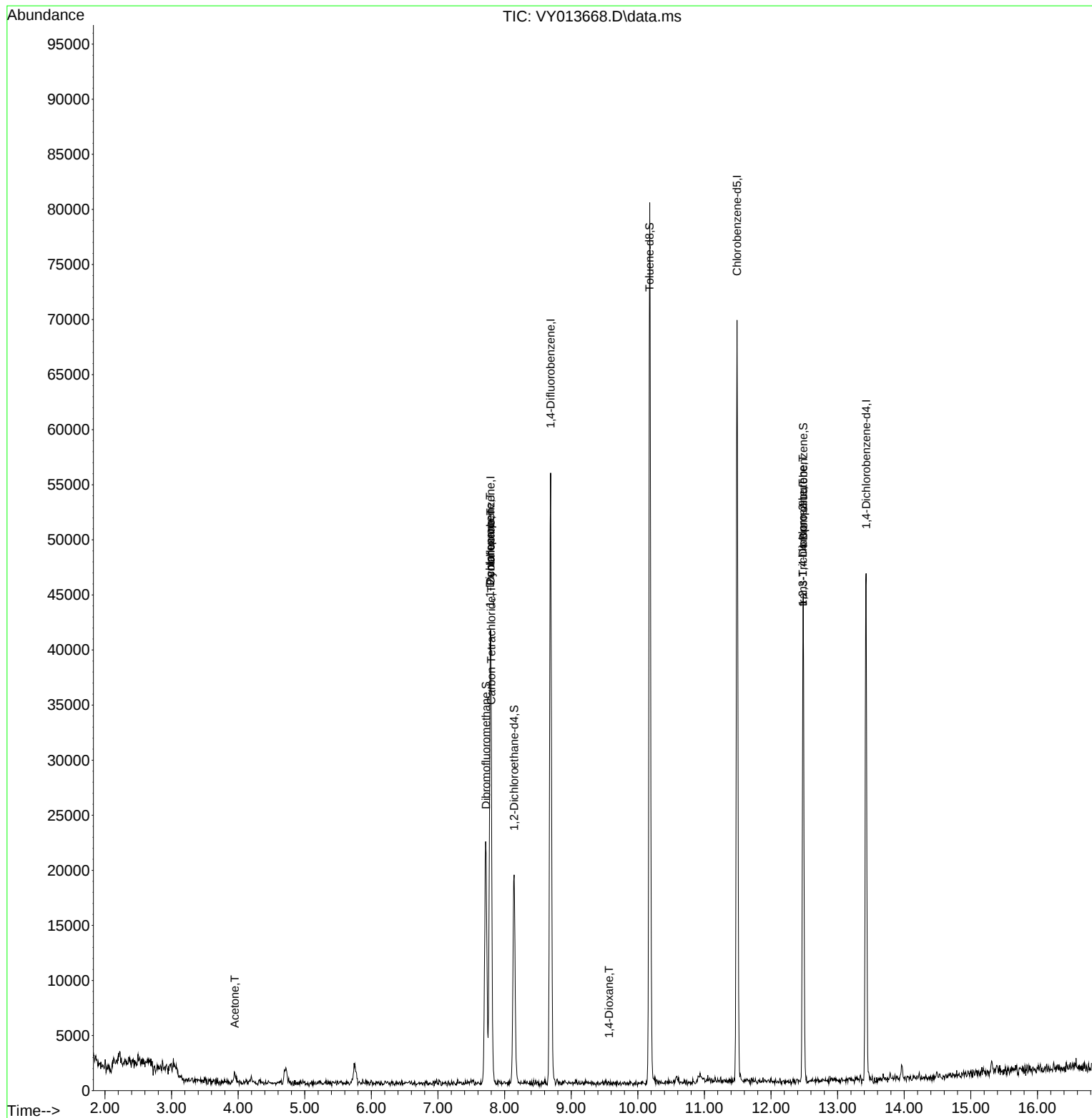
Internal Standards						
1) Pentafluorobenzene	7.789	168	33885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	45527	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	36439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	12631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	15898	42.799	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.600%
35) Dibromofluoromethane	7.722	113	15767	55.063	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.120%
50) Toluene-d8	10.178	98	52878	51.910	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.820%
62) 4-Bromofluorobenzene	12.483	95	12316	35.864	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	71.720%
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	1548	10.582	ug/l	89
20) Methylene Chloride	4.716	84	998	Below Cal	#	79
31) Cyclohexane	7.789	56	904	1.359	ug/l #	38
36) 1,1-Dichloropropene	7.783	75	2535	5.334	ug/l #	46
38) Carbon Tetrachloride	7.801	117	3382	6.790	ug/l #	11
49) 1,4-Dioxane	9.569	88	24	8.024	ug/l #	25
76) 1,2,3-Trichloropropane	12.477	75	6281	36.872	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	6281	75.424	ug/l #	12

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

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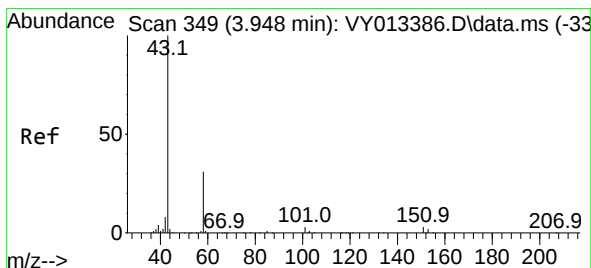
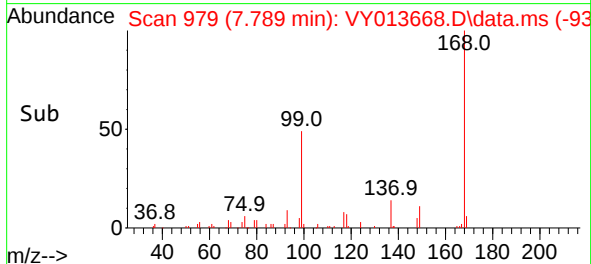
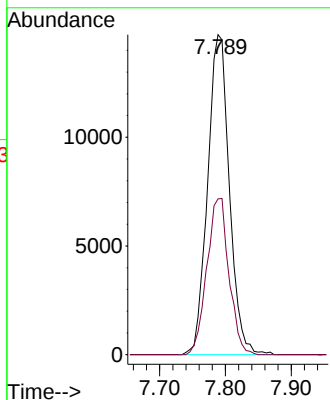
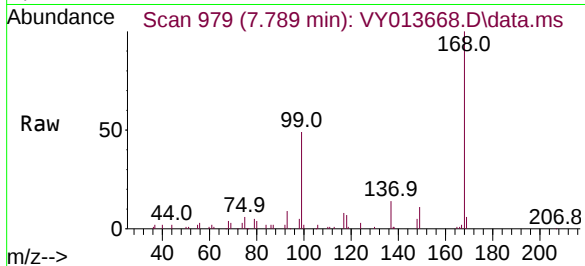




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013668.D
Acq: 09 May 2023 15:11

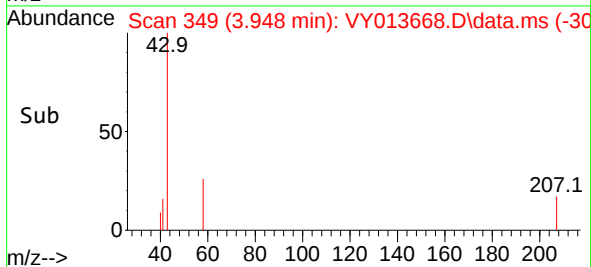
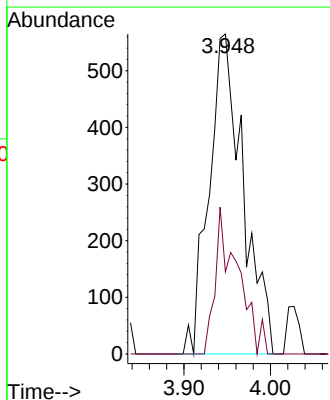
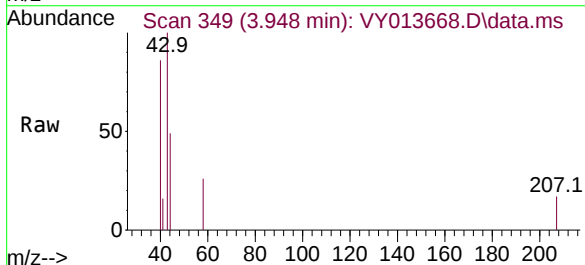
Instrument :
MSVOA_Y
ClientSampleId :
WZ-2A

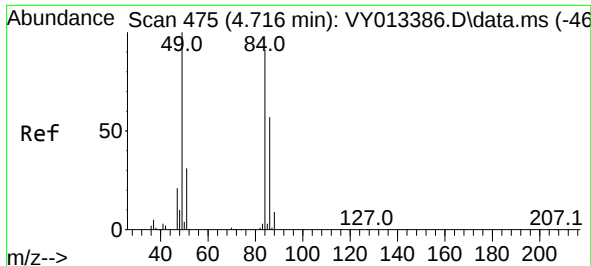
Tgt Ion:168 Resp: 33885
Ion Ratio Lower Upper
168 100
99 48.7 41.8 62.6



#16
Acetone
Concen: 10.582 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY013668.D
Acq: 09 May 2023 15:11

Tgt Ion: 43 Resp: 1548
Ion Ratio Lower Upper
43 100
58 25.7 25.4 38.0

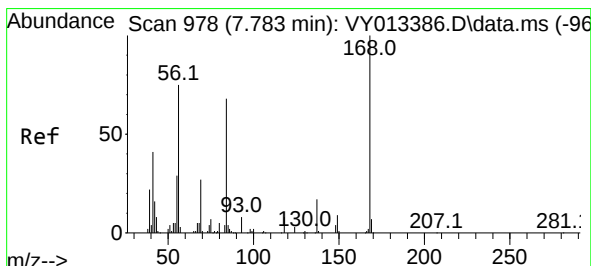
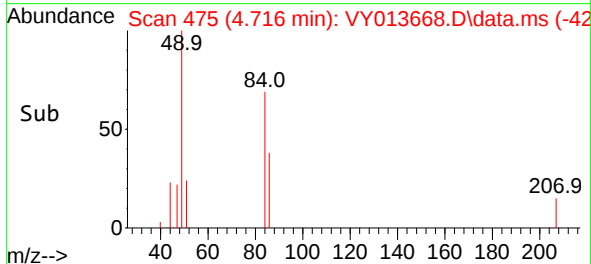
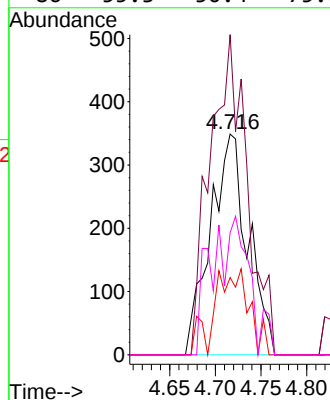
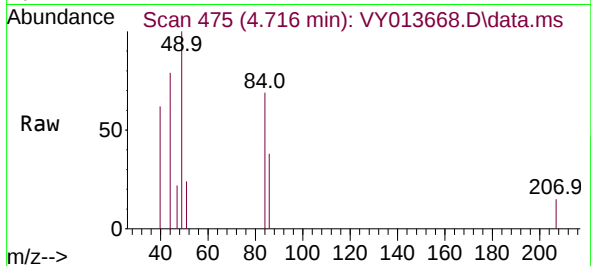




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013668.D
Acq: 09 May 2023 15:11

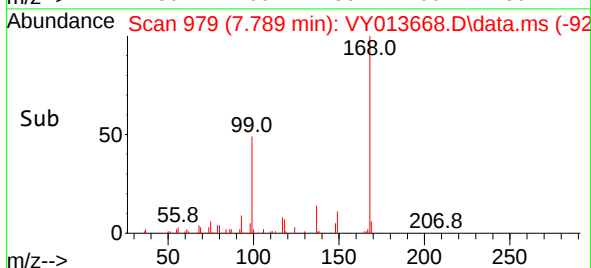
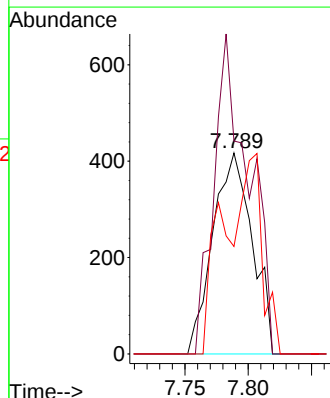
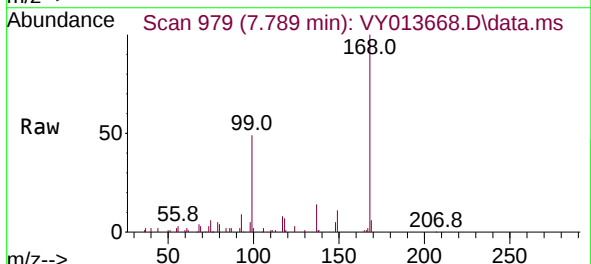
Instrument :
MSVOA_Y
ClientSampleId :
WZ-2A

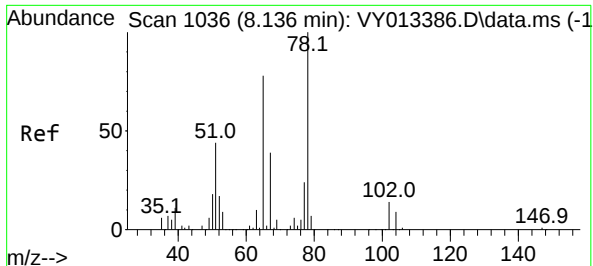
Tgt Ion:	84	Resp:	998
Ion	Ratio	Lower	Upper
84	100		
49	145.0	88.0	132.0#
51	35.0	27.4	41.0
86	55.3	50.4	75.6



#31
Cyclohexane
Concen: 1.359 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013668.D
Acq: 09 May 2023 15:11

Tgt Ion:	56	Resp:	904
Ion	Ratio	Lower	Upper
56	100		
69	106.0	29.2	43.8#
84	53.5	73.0	109.6#





#33

1,2-Dichloroethane-d4

Concen: 42.799 ug/l

RT: 8.142 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY013668.D

Acq: 09 May 2023 15:11

Instrument :

MSVOA_Y

ClientSampleId :

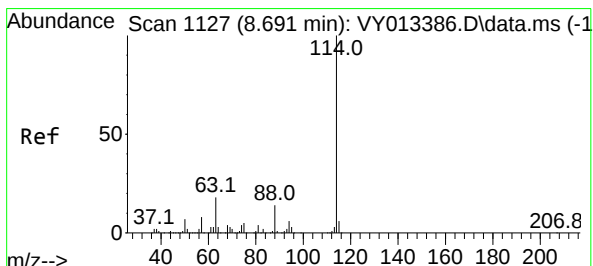
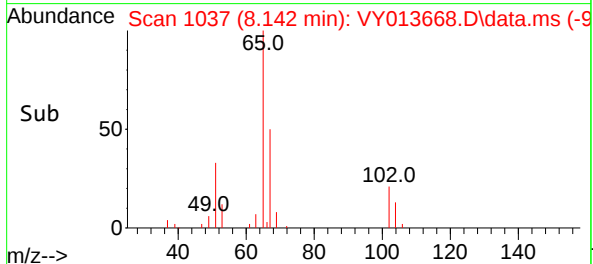
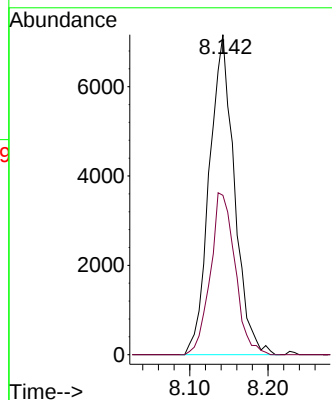
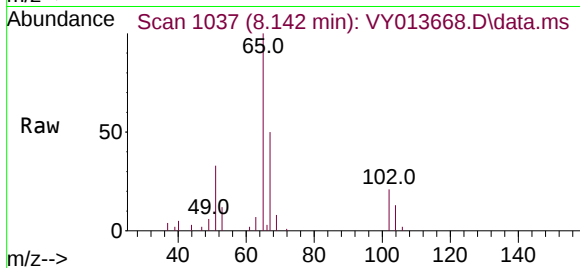
WZ-2A

Tgt Ion: 65 Resp: 15898

Ion Ratio Lower Upper

65 100

67 49.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY013668.D

Acq: 09 May 2023 15:11

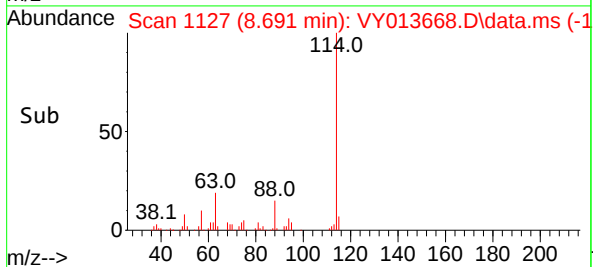
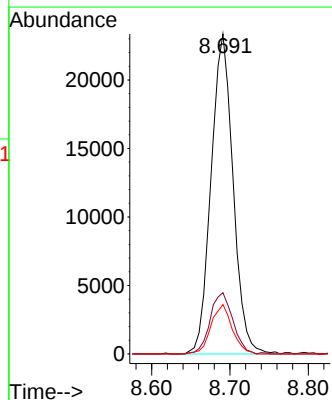
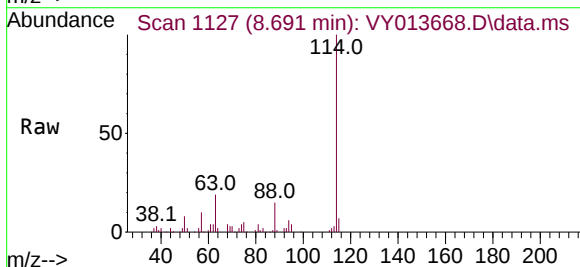
Tgt Ion: 114 Resp: 45527

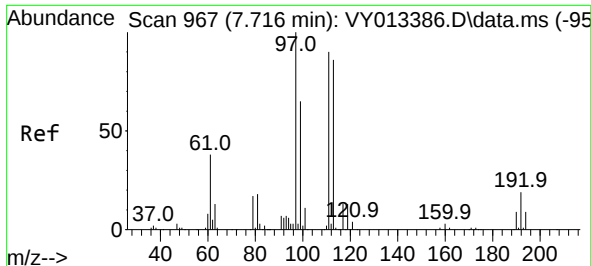
Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.6

88 15.4 0.0 28.8





#35

Dibromofluoromethane

Concen: 55.063 ug/l

RT: 7.722 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY013668.D

Acq: 09 May 2023 15:11

Instrument :

MSVOA_Y

ClientSampleId :

WZ-2A

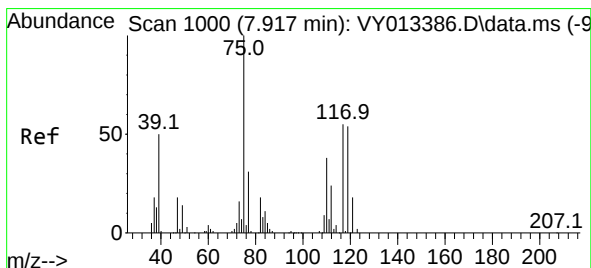
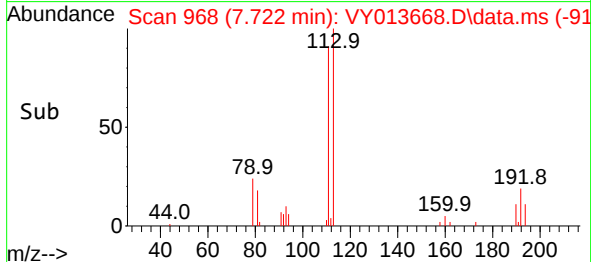
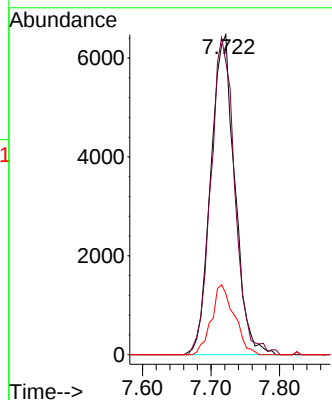
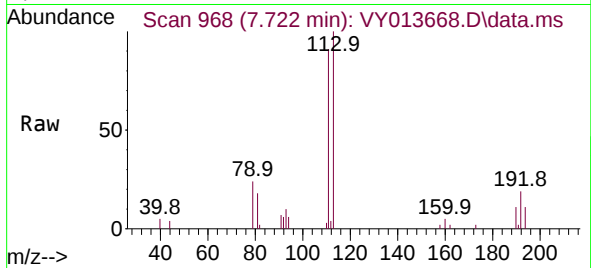
Tgt Ion:113 Resp: 15767

Ion Ratio Lower Upper

113 100

111 99.0 82.2 123.2

192 20.7 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.334 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.134 min

Lab File: VY013668.D

Acq: 09 May 2023 15:11

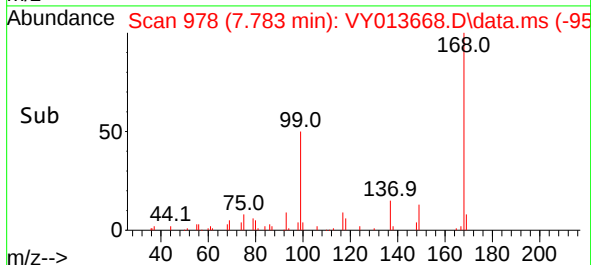
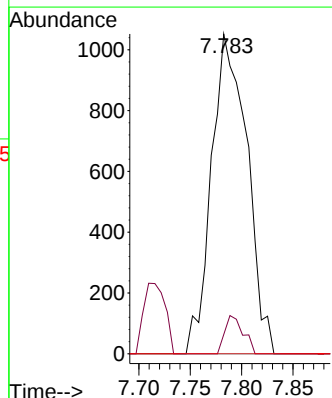
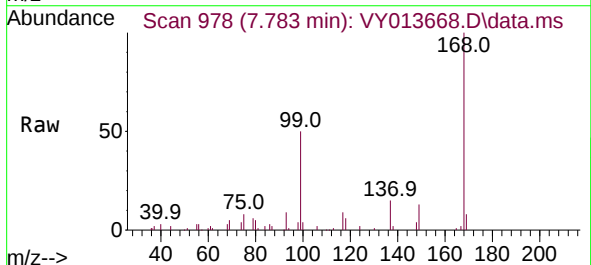
Tgt Ion: 75 Resp: 2535

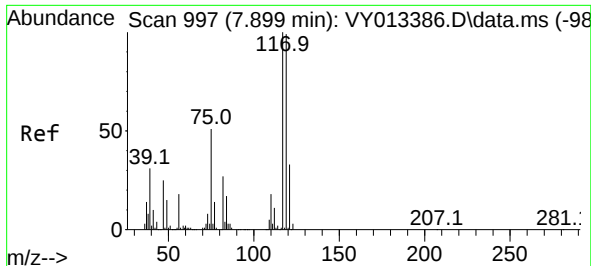
Ion Ratio Lower Upper

75 100

110 6.2 18.7 56.1#

77 0.0 24.6 37.0#

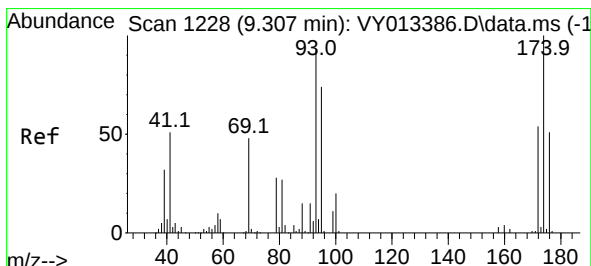
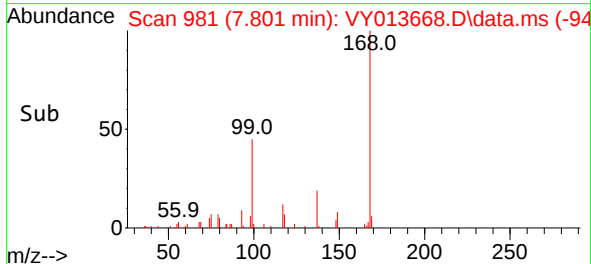
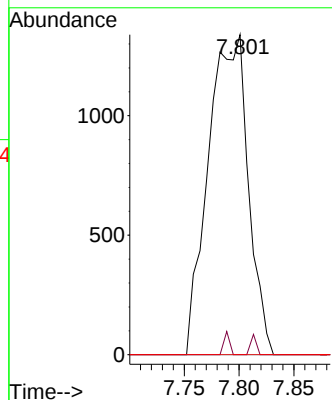
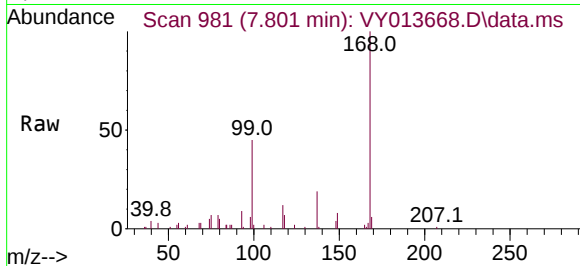




#38
Carbon Tetrachloride
Concen: 6.790 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY013668.D
Acq: 09 May 2023 15:11

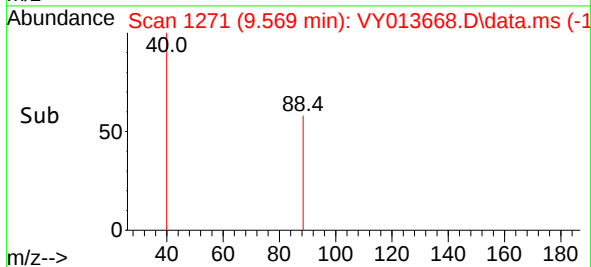
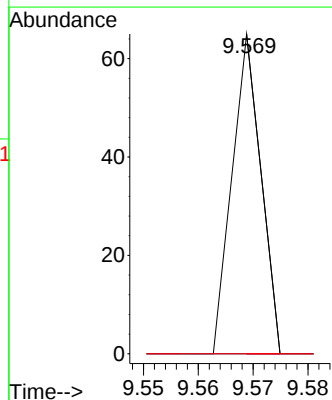
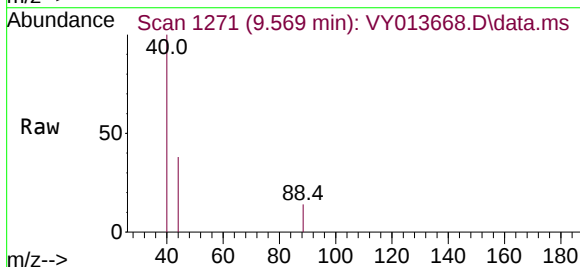
Instrument :
MSVOA_Y
ClientSampleId :
WZ-2A

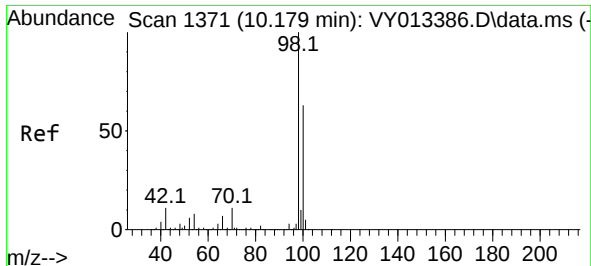
Tgt Ion:117 Resp: 3382
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 0.0 26.6 40.0#



#49
1,4-Dioxane
Concen: 8.024 ug/l
RT: 9.569 min Scan# 1271
Delta R.T. 0.262 min
Lab File: VY013668.D
Acq: 09 May 2023 15:11

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 0.0 16.8 25.2#
58 0.0 54.3 81.5#

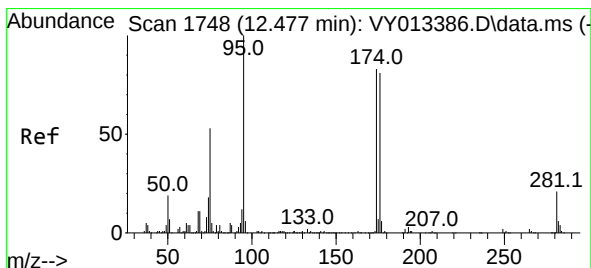
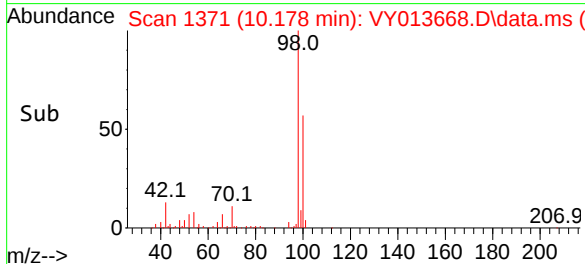
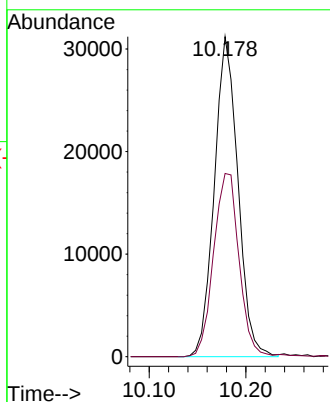
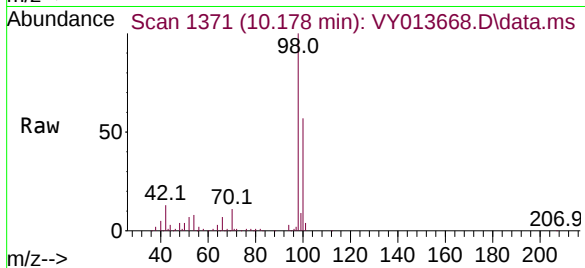




#50
Toluene-d8
Concen: 51.910 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY013668.D
Acq: 09 May 2023 15:11

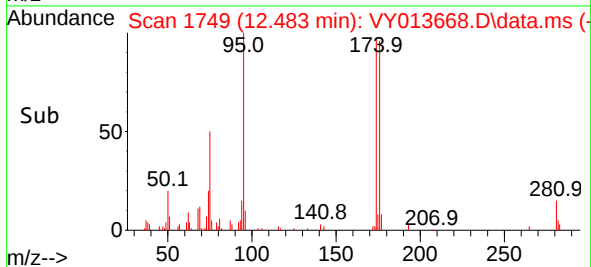
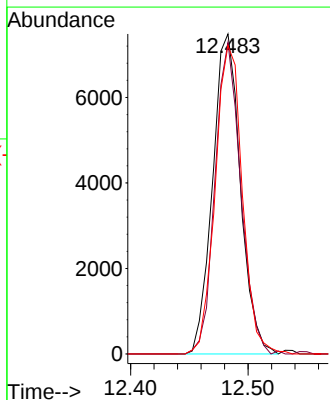
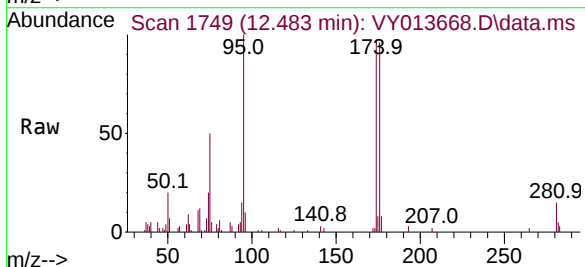
Instrument :
MSVOA_Y
ClientSampleId :
WZ-2A

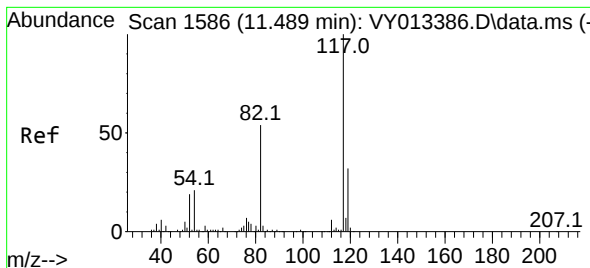
Tgt Ion: 98 Resp: 52878
Ion Ratio Lower Upper
98 100
100 62.1 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 35.864 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013668.D
Acq: 09 May 2023 15:11

Tgt Ion: 95 Resp: 12316
Ion Ratio Lower Upper
95 100
174 90.2 0.0 182.0
176 93.9 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013668.D

Acq: 09 May 2023 15:11

Instrument :

MSVOA_Y

ClientSampleId :

WZ-2A

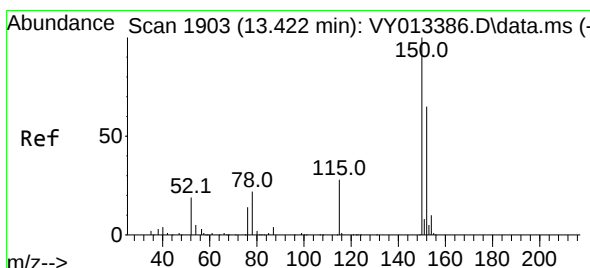
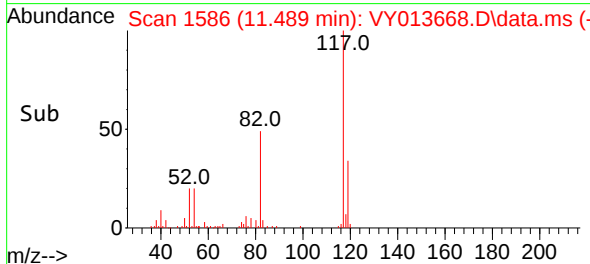
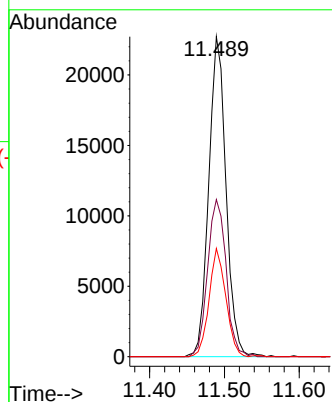
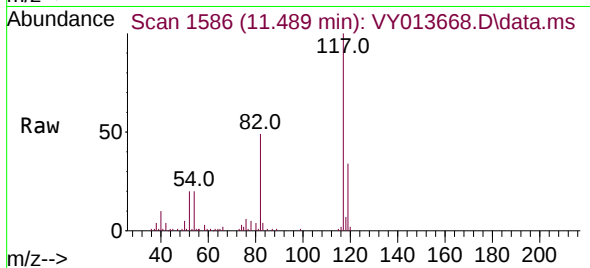
Tgt Ion:117 Resp: 36439

Ion Ratio Lower Upper

117 100

82 49.1 43.0 64.6

119 33.8 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013668.D

Acq: 09 May 2023 15:11

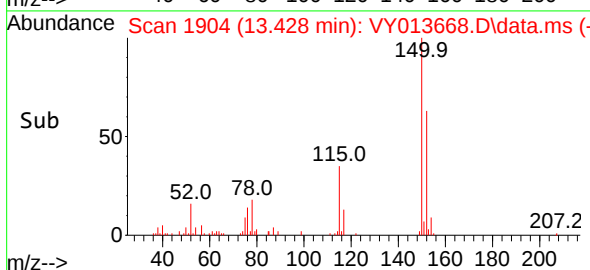
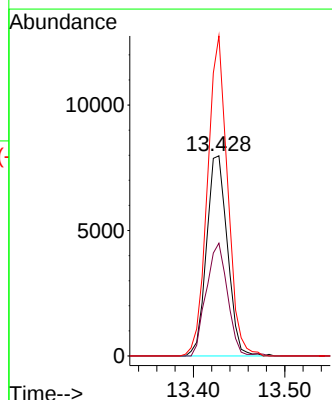
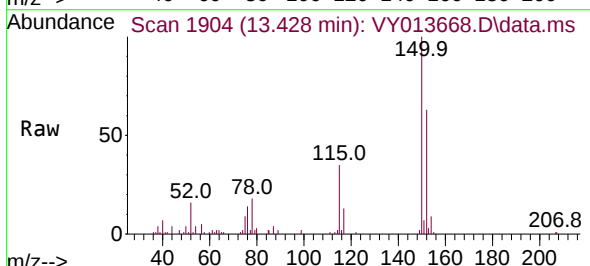
Tgt Ion:152 Resp: 12631

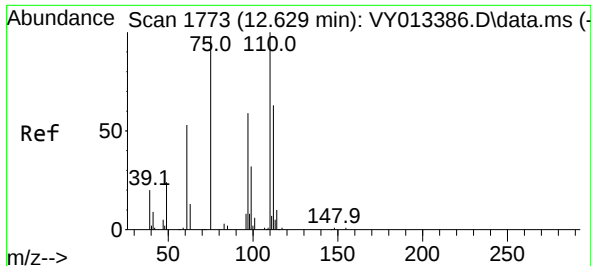
Ion Ratio Lower Upper

152 100

115 57.7 28.1 84.2

150 154.1 0.0 352.0

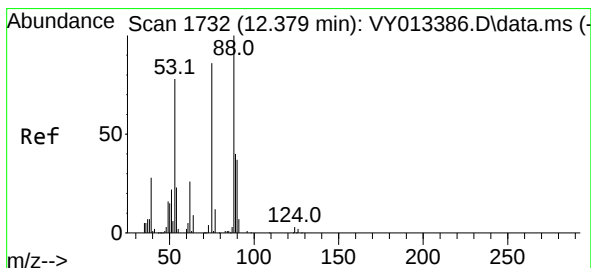
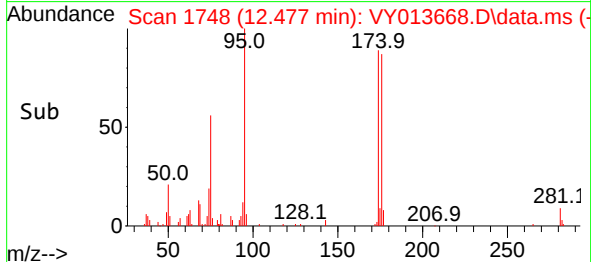
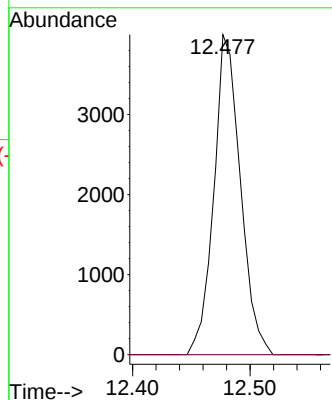
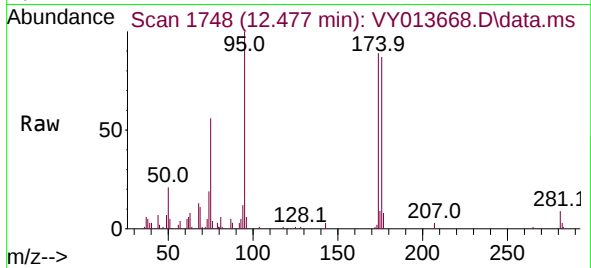




#76
1,2,3-Trichloropropane
Concen: 36.872 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013668.D
Acq: 09 May 2023 15:11

Instrument :
MSVOA_Y
ClientSampleId :
WZ-2A

Tgt Ion: 75 Resp: 6281
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 75.424 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013668.D
Acq: 09 May 2023 15:11

Tgt Ion: 75 Resp: 6281
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 38.0 57.0#

