

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050523\
 Data File : VY013623.D
 Acq On : 05 May 2023 14:21
 Operator : KP/MD
 Sample : 02622-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2264

Quant Time: May 08 00:24:20 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)

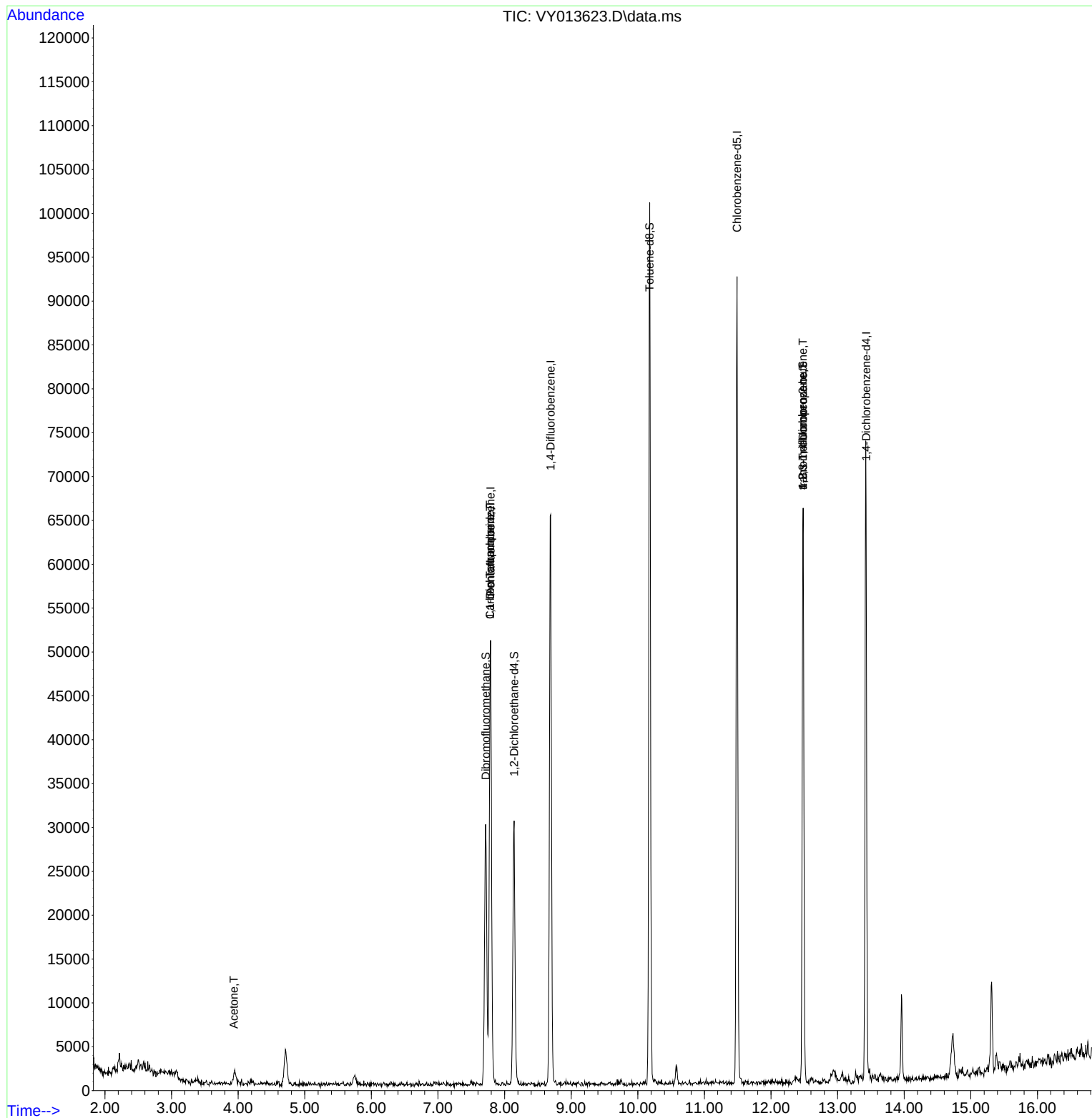
Internal Standards						
1) Pentafluorobenzene	7.789	168	39688	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	56183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	48280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	18590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	24097	55.387	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.780%
35) Dibromofluoromethane	7.716	113	20167	57.071	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.140%
50) Toluene-d8	10.179	98	67111	53.387	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.780%
62) 4-Bromofluorobenzene	12.477	95	18332	43.257	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.520%
Target Compounds						
					Qvalue	
16) Acetone	3.936	43	2770	16.167	ug/l #	68
20) Methylene Chloride	4.716	84	2730	Below Cal		92
36) 1,1-Dichloropropene	7.783	75	3189	5.438	ug/l #	44
38) Carbon Tetrachloride	7.783	117	4213	6.854	ug/l #	20
76) 1,2,3-Trichloropropane	12.477	75	9743	38.862	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	9743	79.494	ug/l #	12

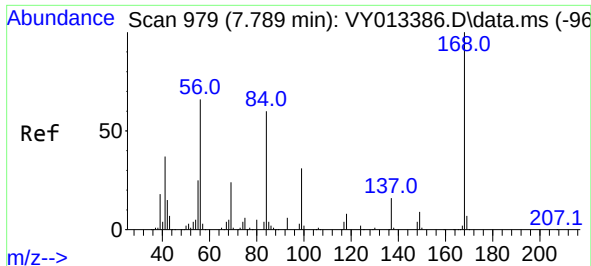
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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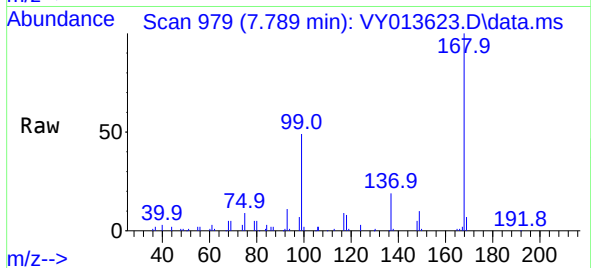
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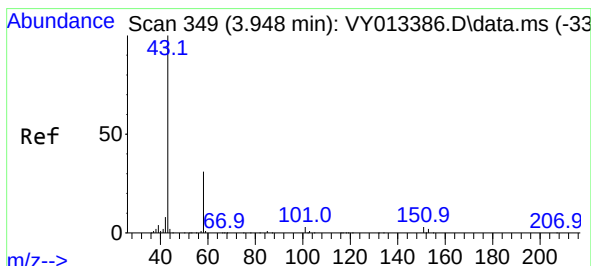
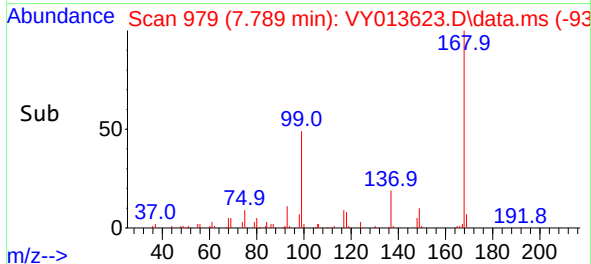
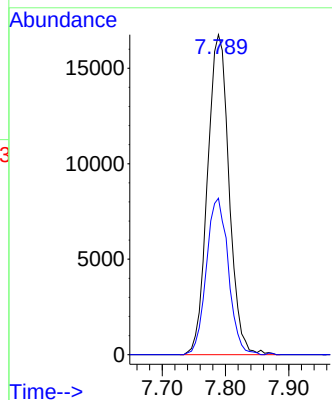


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013623.D
Acq: 05 May 2023 14:21

Instrument :
MSVOA_Y
ClientSampleId :
2264

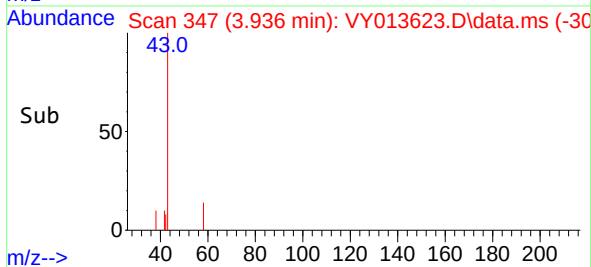
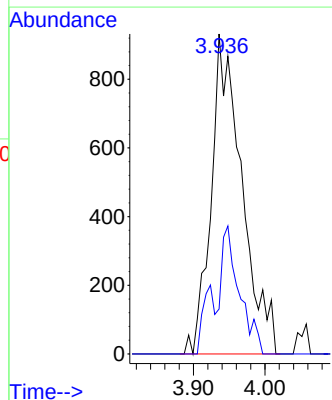
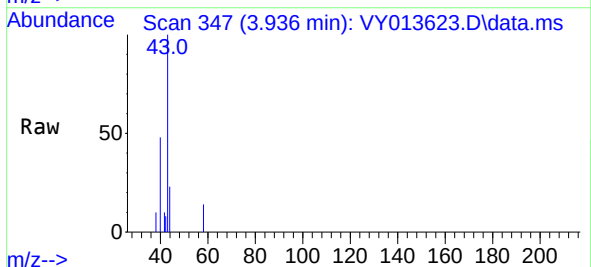


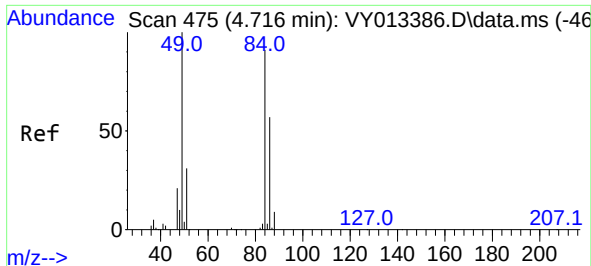
Tgt Ion:168 Resp: 39688
Ion Ratio Lower Upper
168 100
99 48.9 41.8 62.6



#16
Acetone
Concen: 16.167 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.012 min
Lab File: VY013623.D
Acq: 05 May 2023 14:21

Tgt Ion: 43 Resp: 2770
Ion Ratio Lower Upper
43 100
58 14.1 25.4 38.0#



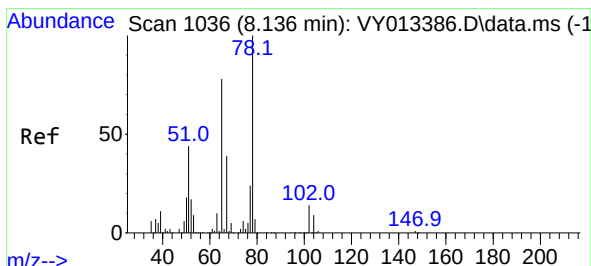
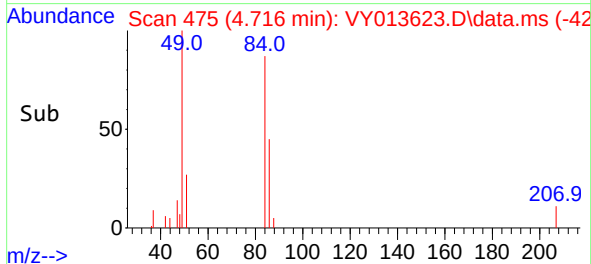
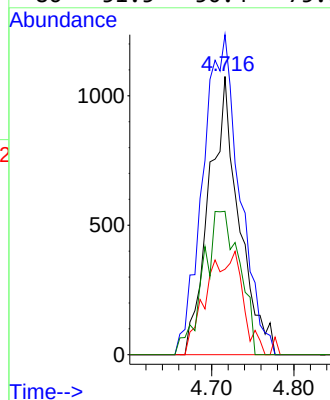
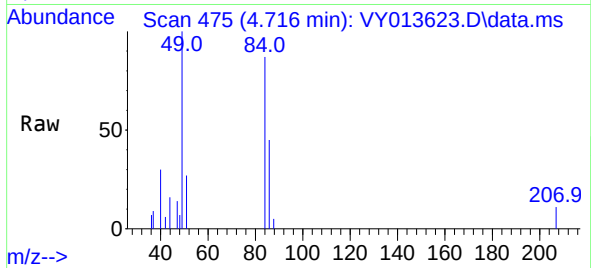


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013623.D
Acq: 05 May 2023 14:21

Instrument :
MSVOA_Y
ClientSampleId :
2264

Tgt Ion: 84 Resp: 2730

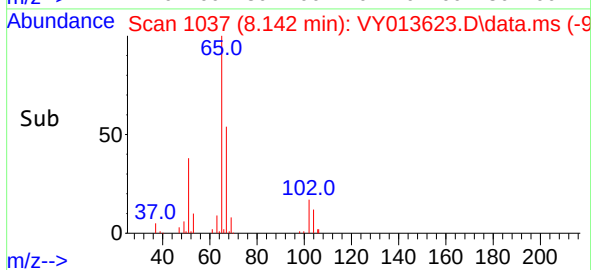
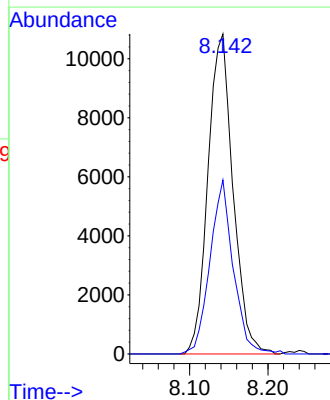
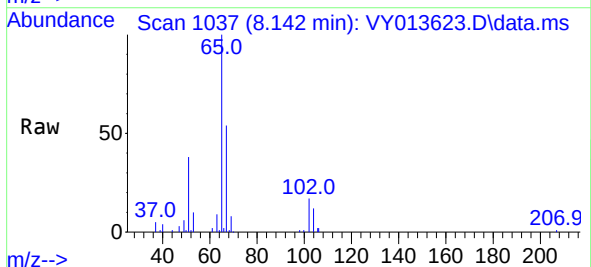
Ion	Ratio	Lower	Upper
84	100		
49	115.0	88.0	132.0
51	30.7	27.4	41.0
86	51.5	50.4	75.6

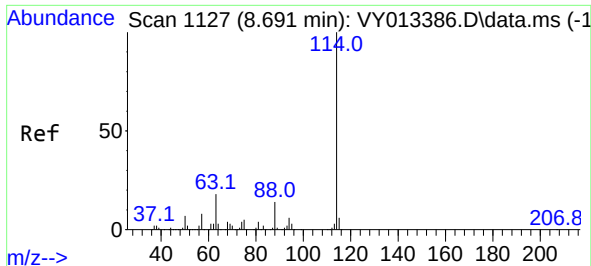


#33
1,2-Dichloroethane-d4
Concen: 55.387 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013623.D
Acq: 05 May 2023 14:21

Tgt Ion: 65 Resp: 24097

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013623.D

Acq: 05 May 2023 14:21

Instrument :

MSVOA_Y

ClientSampleId :

2264

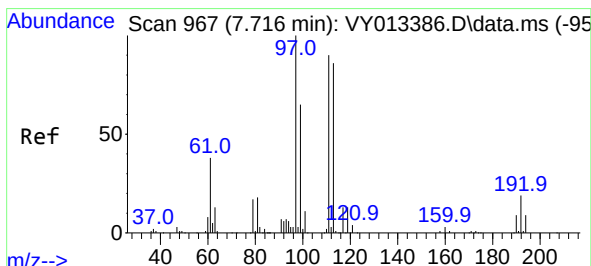
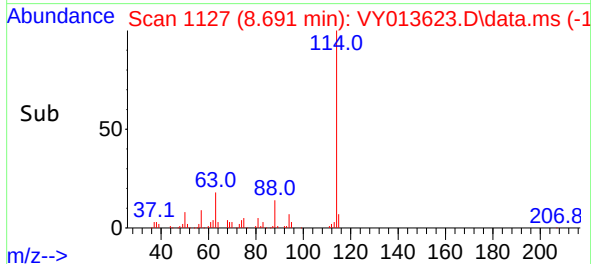
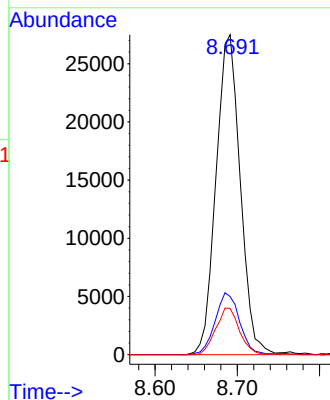
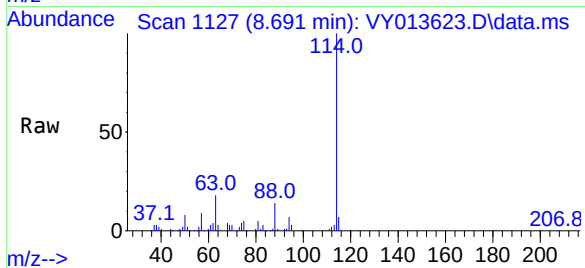
Tgt Ion:114 Resp: 56183

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.6

88 14.4 0.0 28.8



#35

Dibromofluoromethane

Concen: 57.071 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013623.D

Acq: 05 May 2023 14:21

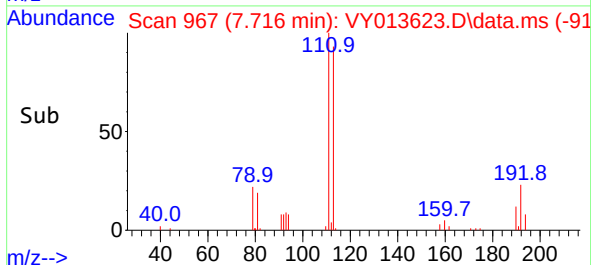
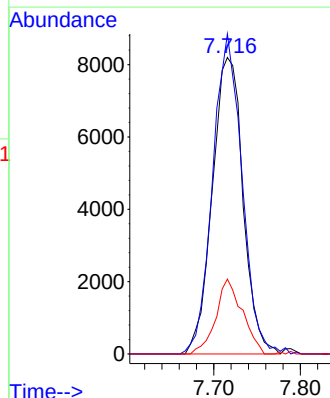
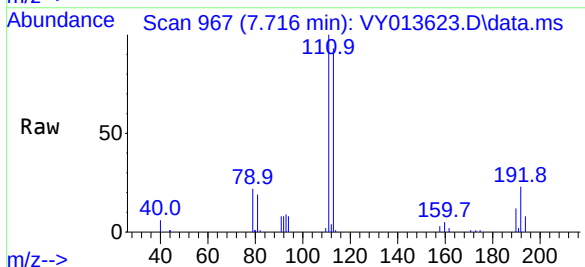
Tgt Ion:113 Resp: 20167

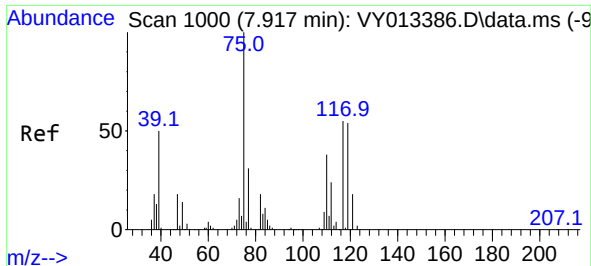
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.2

192 21.8 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.438 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY013623.D

Acq: 05 May 2023 14:21

Instrument :

MSVOA_Y

ClientSampleId :

2264

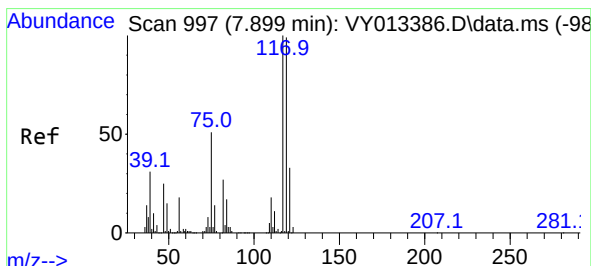
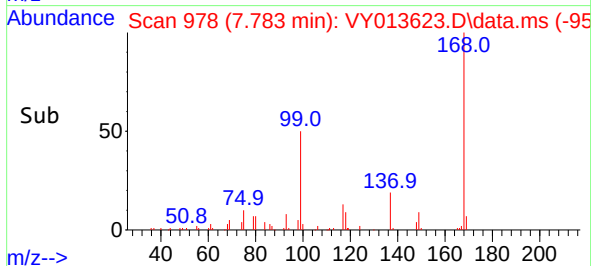
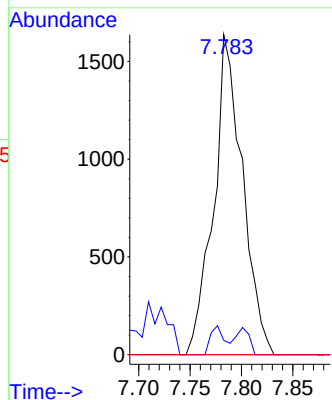
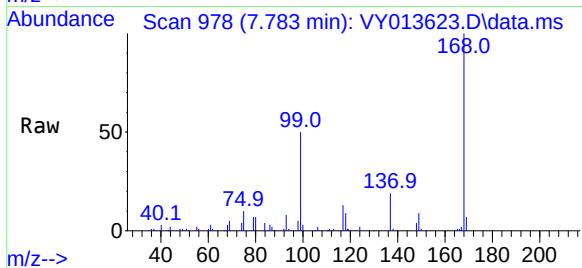
Tgt Ion: 75 Resp: 3189

Ion Ratio Lower Upper

75 100

110 4.5 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.854 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY013623.D

Acq: 05 May 2023 14:21

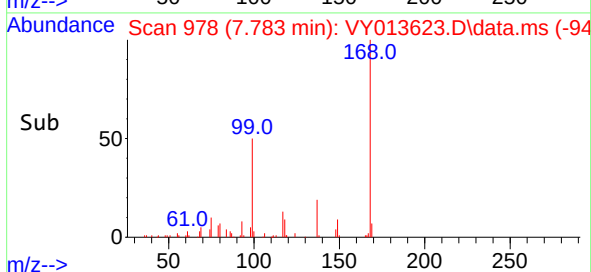
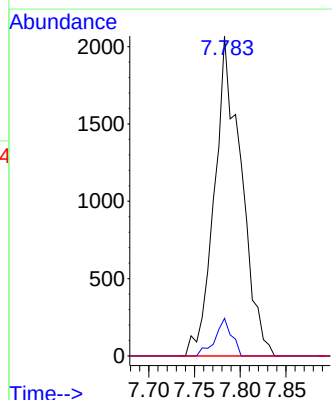
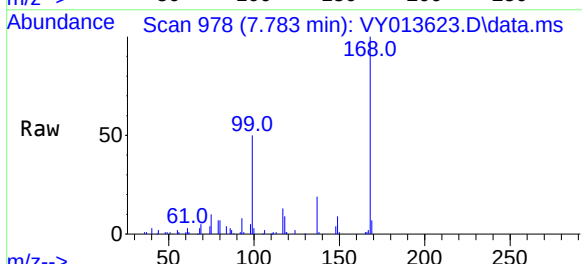
Tgt Ion: 117 Resp: 4213

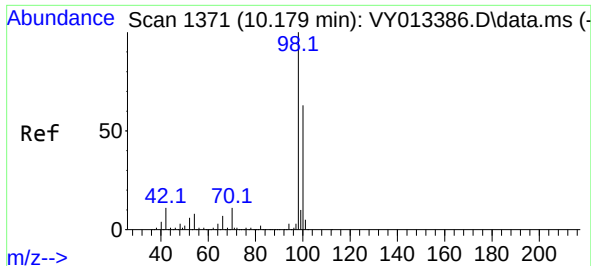
Ion Ratio Lower Upper

117 100

119 11.7 79.0 118.6#

121 0.0 26.6 40.0#

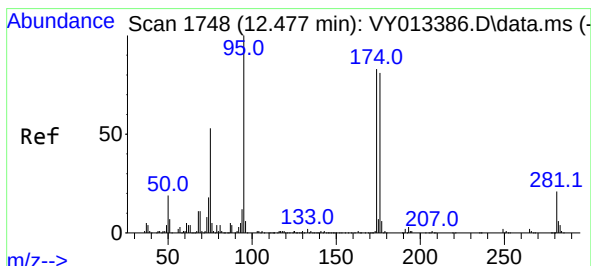
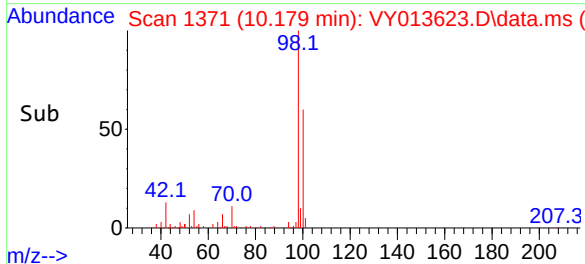
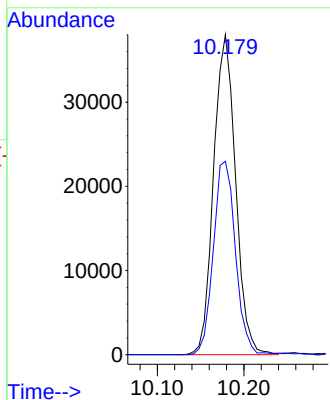
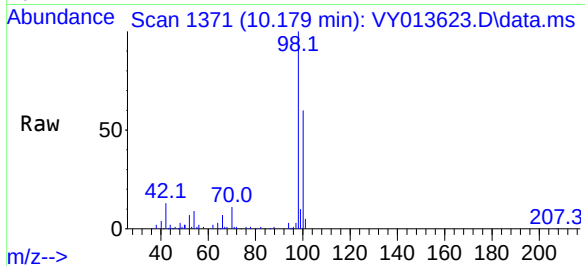




#50
Toluene-d8
Concen: 53.387 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013623.D
Acq: 05 May 2023 14:21

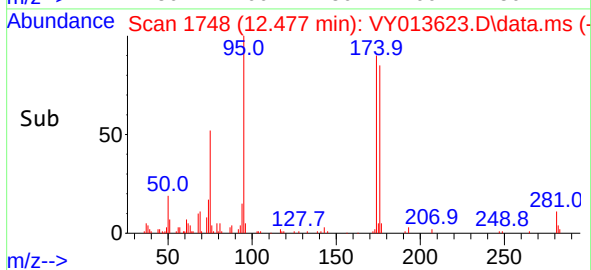
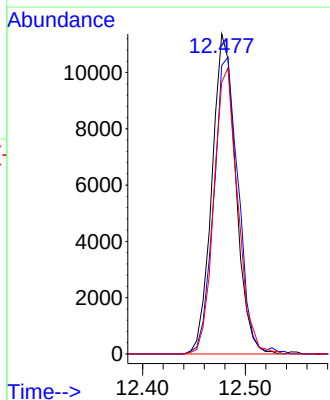
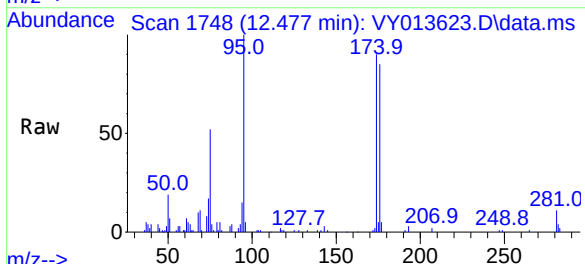
Instrument :
MSVOA_Y
ClientSampleId :
2264

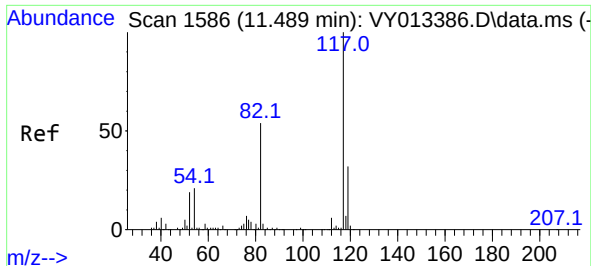
Tgt Ion: 98 Resp: 67111
Ion Ratio Lower Upper
98 100
100 61.1 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 43.257 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013623.D
Acq: 05 May 2023 14:21

Tgt Ion: 95 Resp: 18332
Ion Ratio Lower Upper
95 100
174 95.7 0.0 182.0
176 89.2 0.0 175.4

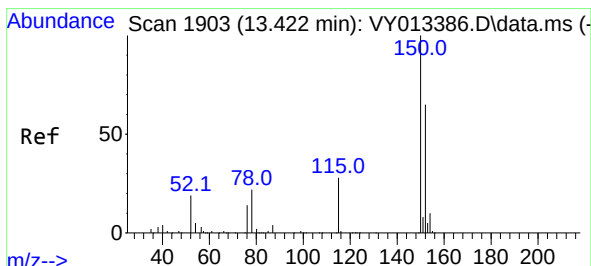
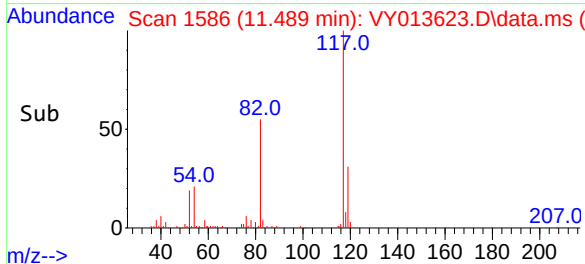
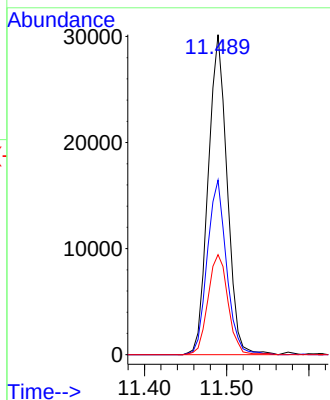
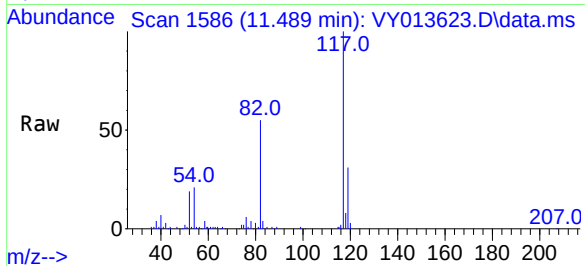




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013623.D
Acq: 05 May 2023 14:21

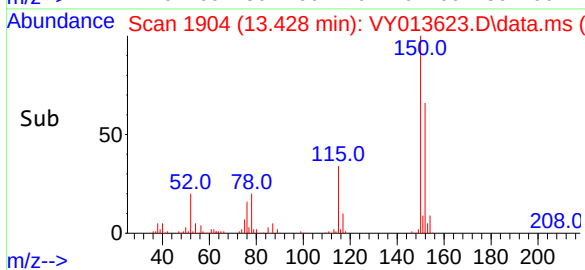
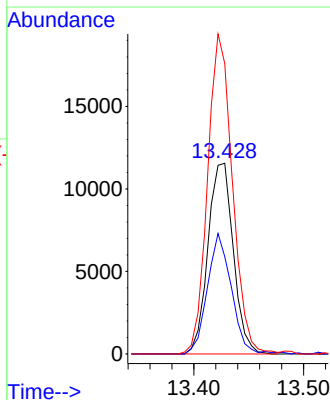
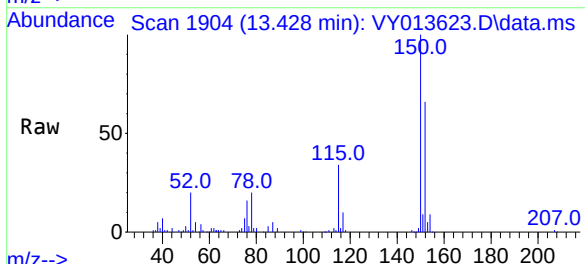
Instrument :
MSVOA_Y
ClientSampleId :
2264

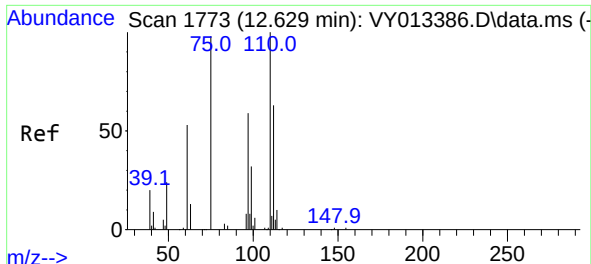
Tgt Ion:117	Resp:	48280
Ion	Ratio	Lower Upper
117	100	
82	54.5	43.0 64.6
119	31.3	25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013623.D
Acq: 05 May 2023 14:21

Tgt Ion:152	Resp:	18590
Ion	Ratio	Lower Upper
152	100	
115	59.8	28.1 84.2
150	164.1	0.0 352.0

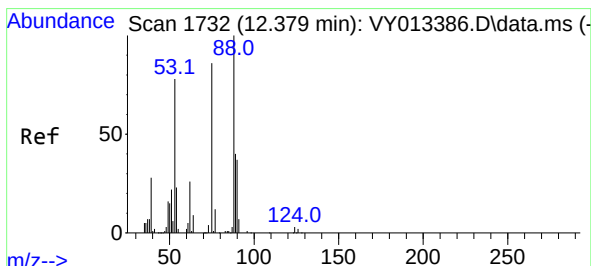
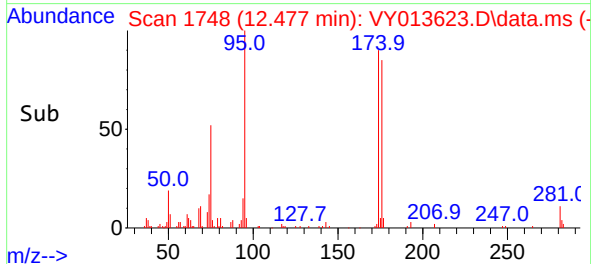
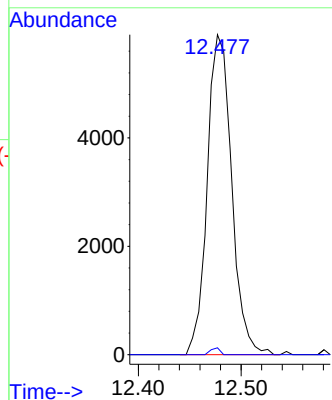
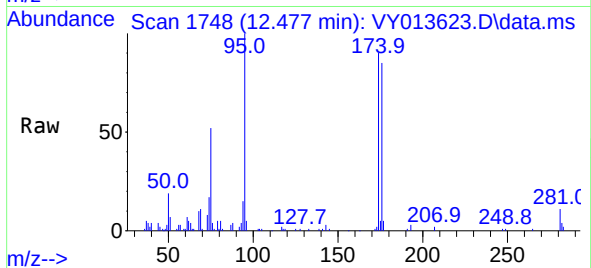




#76
1,2,3-Trichloropropane
Concen: 38.862 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013623.D
Acq: 05 May 2023 14:21

Instrument :
MSVOA_Y
ClientSampleId :
2264

Tgt Ion: 75 Resp: 9743
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.494 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013623.D
Acq: 05 May 2023 14:21

Tgt Ion: 75 Resp: 9743
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 38.0 57.0#

