

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040723\
 Data File : VX034982.D
 Acq On : 07 Apr 2023 20:27
 Operator : JC/MD
 Sample : 02247-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW-12D

Quant Time: Apr 08 01:01:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

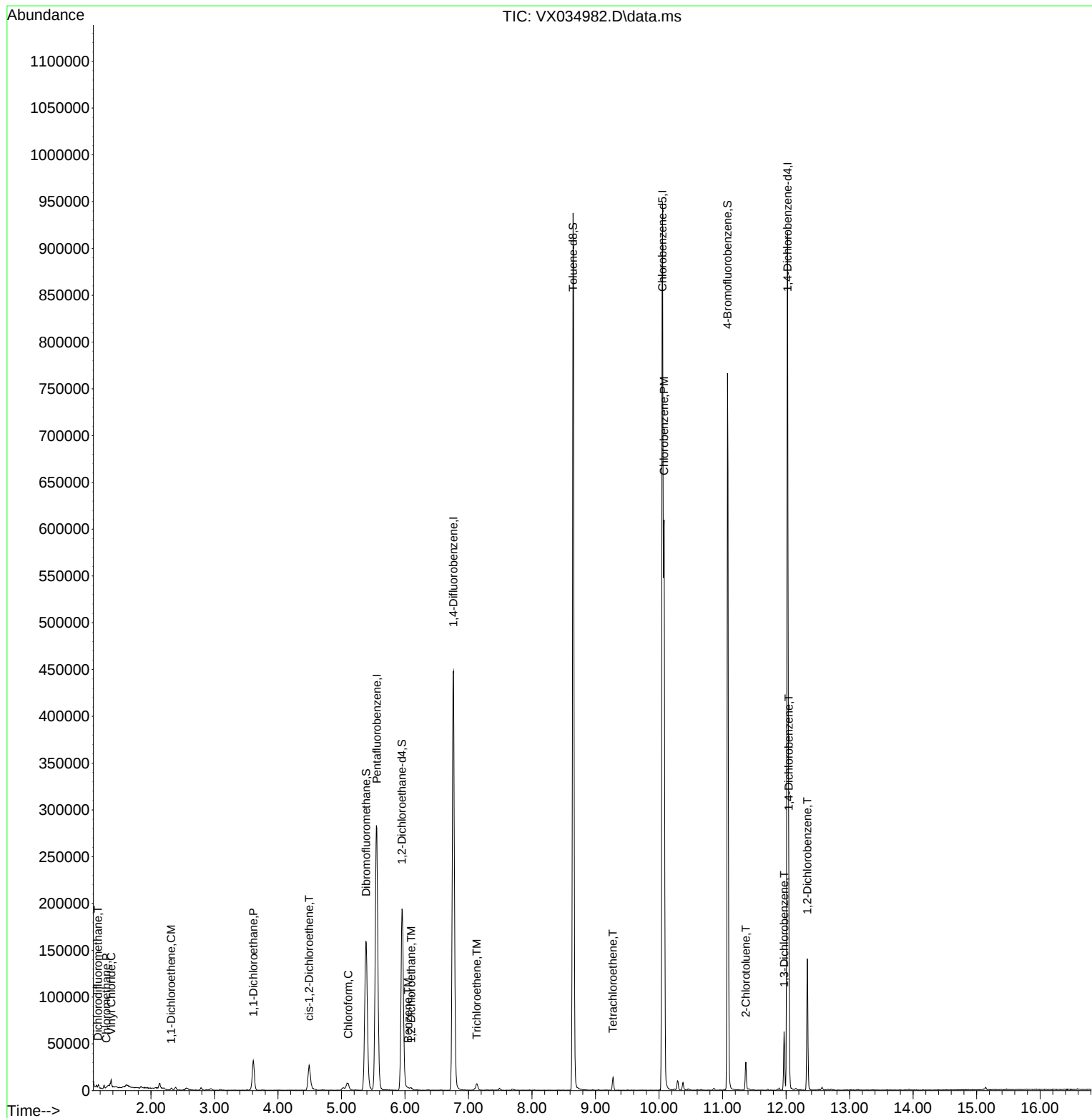
Internal Standards						
1) Pentafluorobenzene	5.556	168	257008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	442848	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	402206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	181518	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	193589	49.252	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.500%
35) Dibromofluoromethane	5.385	113	140734	48.047	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.100%
50) Toluene-d8	8.647	98	537155	49.684	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.360%
62) 4-Bromofluorobenzene	11.079	95	204800	48.951	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	887	0.346	ug/l	90
3) Chloromethane	1.294	50	883	0.275	ug/l #	86
4) Vinyl Chloride	1.374	62	4094	1.288	ug/l #	73
12) 1,1-Dichloroethene	2.318	96	637	0.241	ug/l	88
24) 1,1-Dichloroethane	3.611	63	35459	6.319	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	16378	4.803	ug/l	93
30) Chloroform	5.105	83	9795	1.718	ug/l	89
40) Benzene	6.050	78	2585	0.208	ug/l #	80
42) 1,2-Dichloroethane	6.098	62	2571	0.519	ug/l	97
44) Trichloroethene	7.129	130	2853	0.897	ug/l	87
64) Tetrachloroethene	9.275	164	2539	0.882	ug/l	93
65) Chlorobenzene	10.079	112	245616	29.351	ug/l	99
79) 2-Chlorotoluene	11.366	91	13504	1.392	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	17583	2.931	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	64886	10.354	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	41112	6.842	ug/l	99

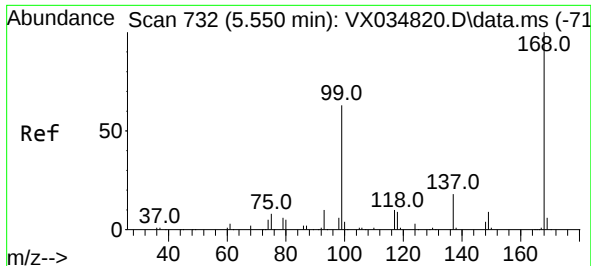
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

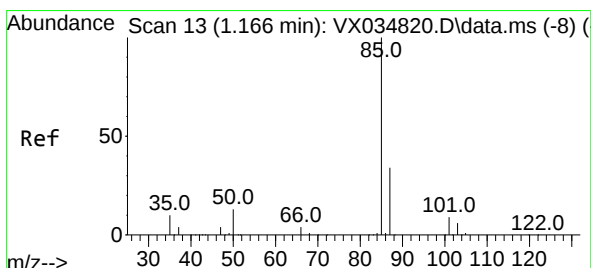
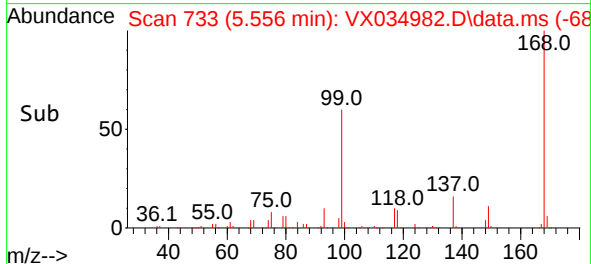
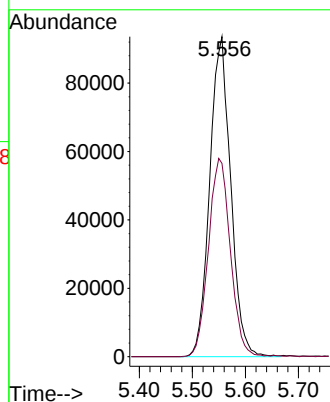
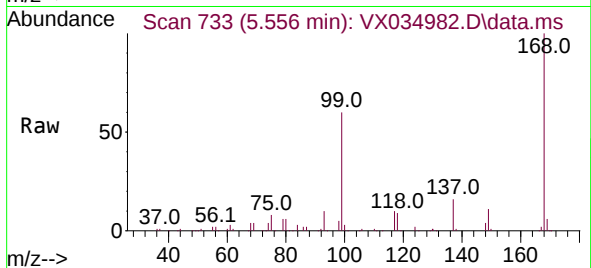




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034982.D
Acq: 07 Apr 2023 20:27

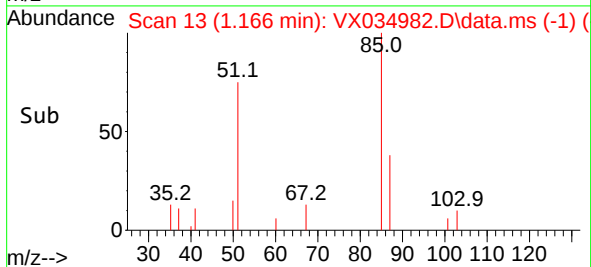
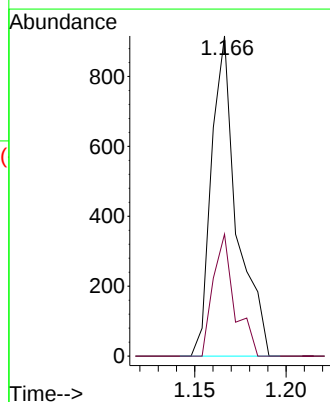
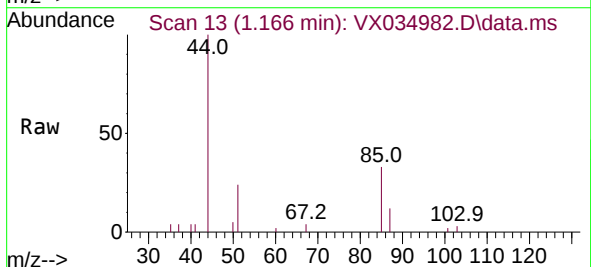
Instrument :
MSVOA_X
ClientSampleId :
RW-12D

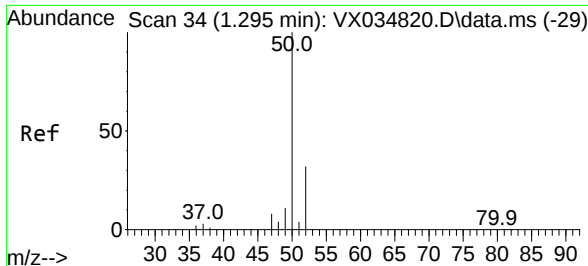
Tgt Ion:168 Resp: 257008
Ion Ratio Lower Upper
168 100
99 60.4 45.7 68.5



#2
Dichlorodifluoromethane
Concen: 0.346 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX034982.D
Acq: 07 Apr 2023 20:27

Tgt Ion: 85 Resp: 887
Ion Ratio Lower Upper
85 100
87 38.1 16.4 49.1

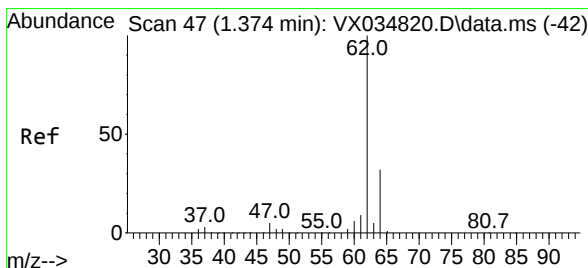
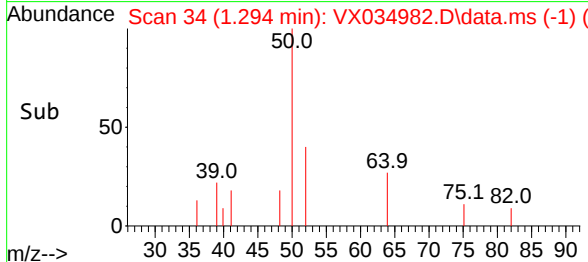
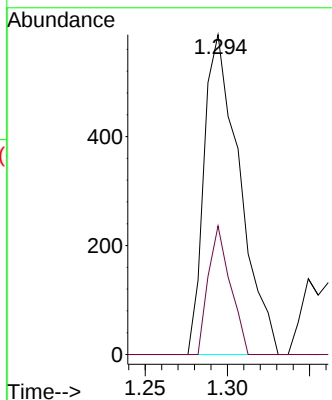
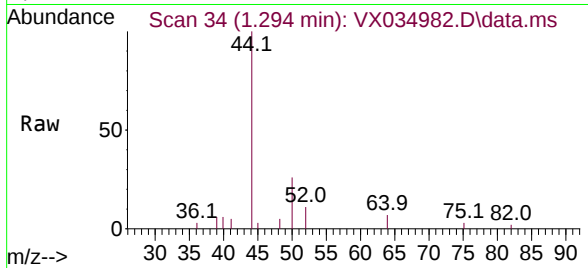




#3
Chloromethane
Concen: 0.275 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX034982.D
Acq: 07 Apr 2023 20:27

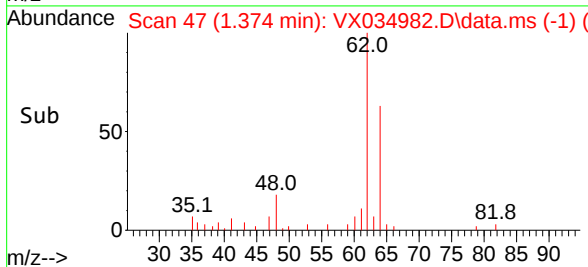
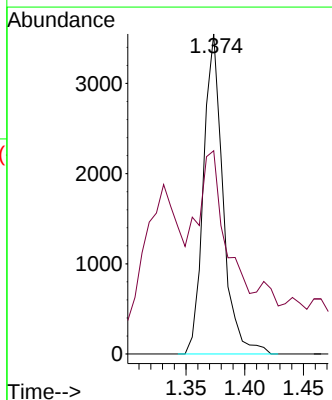
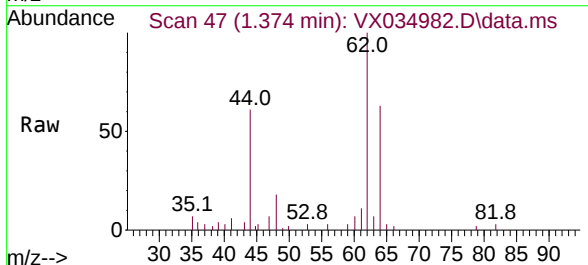
Instrument :
MSVOA_X
ClientSampleId :
RW-12D

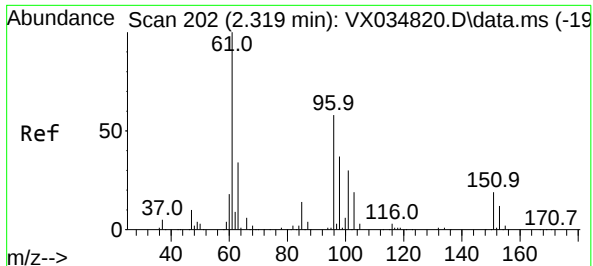
Tgt Ion: 50 Resp: 883
Ion Ratio Lower Upper
50 100
52 40.2 25.9 38.9#



#4
Vinyl Chloride
Concen: 1.288 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX034982.D
Acq: 07 Apr 2023 20:27

Tgt Ion: 62 Resp: 4094
Ion Ratio Lower Upper
62 100
64 48.5 26.4 39.6#





#12

1,1-Dichloroethene

Concen: 0.241 ug/l

RT: 2.318 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX034982.D

Acq: 07 Apr 2023 20:27

Instrument :

MSVOA_X

ClientSampleId :

RW-12D

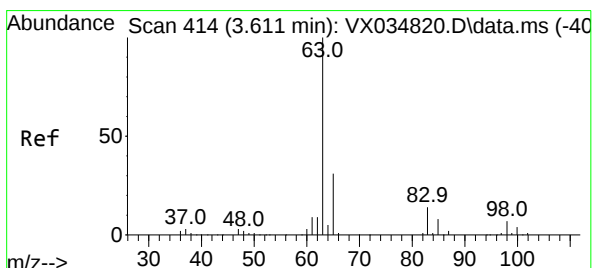
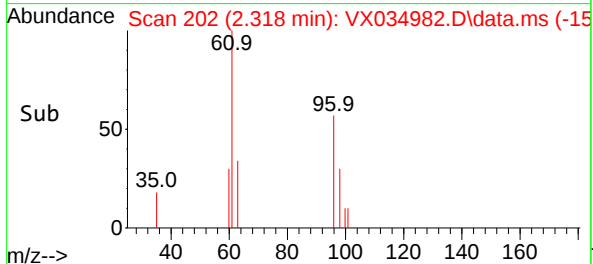
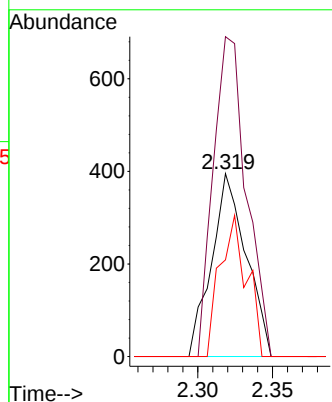
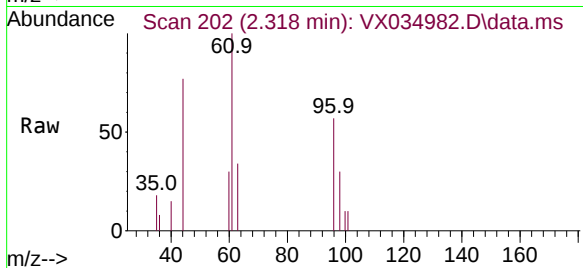
Tgt Ion: 96 Resp: 637

Ion Ratio Lower Upper

96 100

61 174.9 128.8 193.2

98 52.9 51.4 77.0



#24

1,1-Dichloroethane

Concen: 6.319 ug/l

RT: 3.611 min Scan# 414

Delta R.T. -0.000 min

Lab File: VX034982.D

Acq: 07 Apr 2023 20:27

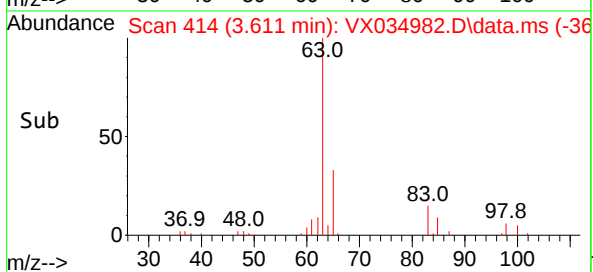
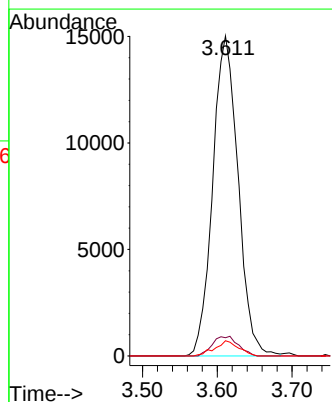
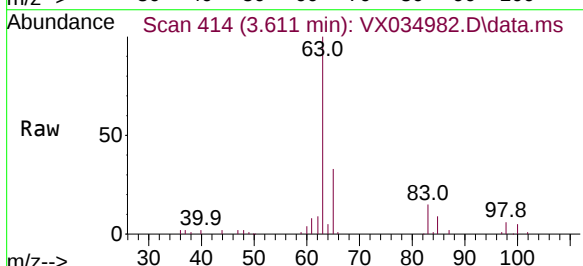
Tgt Ion: 63 Resp: 35459

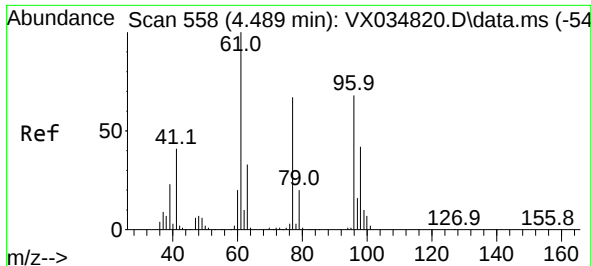
Ion Ratio Lower Upper

63 100

98 5.7 3.8 11.2

100 4.8 2.4 7.1





#27

cis-1,2-Dichloroethene

Concen: 4.803 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX034982.D

Acq: 07 Apr 2023 20:27

Instrument :

MSVOA_X

ClientSampleId :

RW-12D

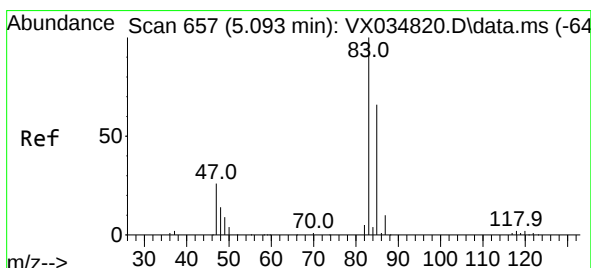
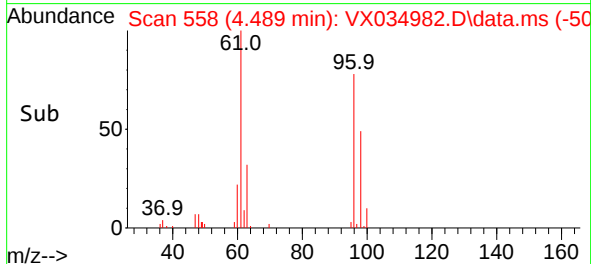
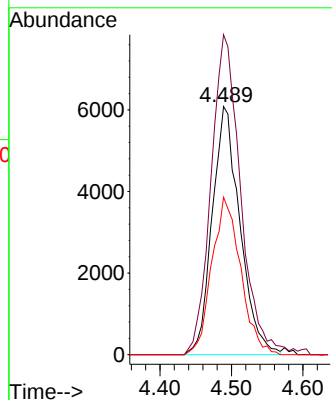
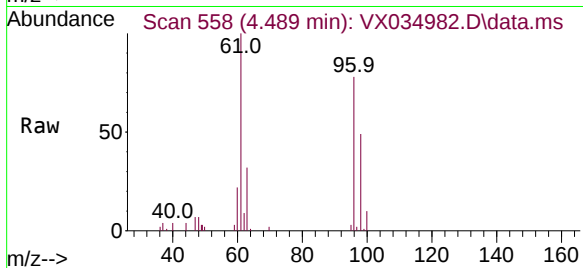
Tgt Ion: 96 Resp: 16378

Ion Ratio Lower Upper

96 100

61 138.3 0.0 300.4

98 65.7 0.0 129.0



#30

Chloroform

Concen: 1.718 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.012 min

Lab File: VX034982.D

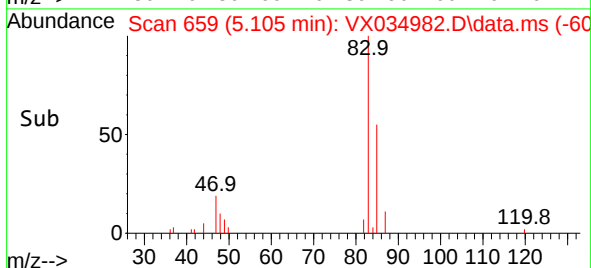
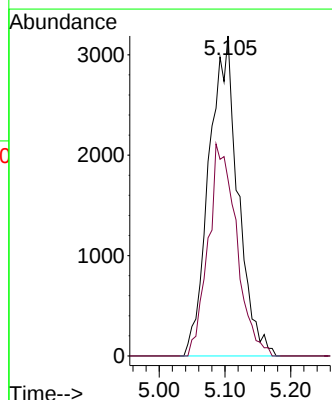
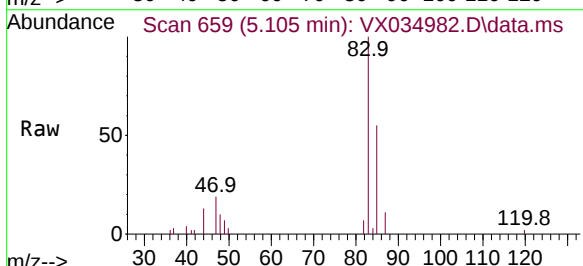
Acq: 07 Apr 2023 20:27

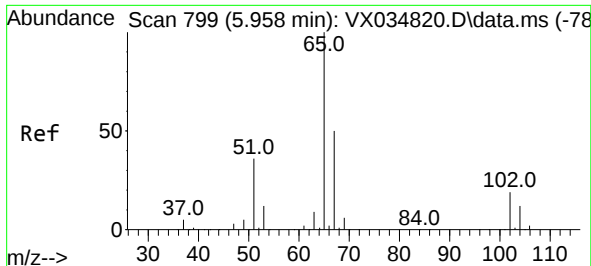
Tgt Ion: 83 Resp: 9795

Ion Ratio Lower Upper

83 100

85 55.1 50.6 76.0

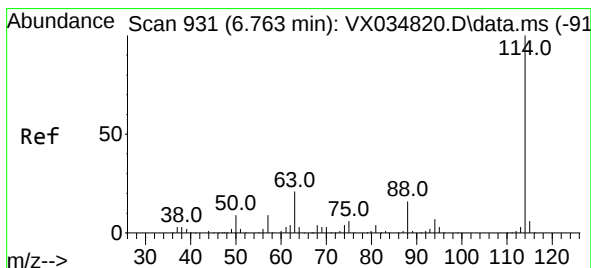
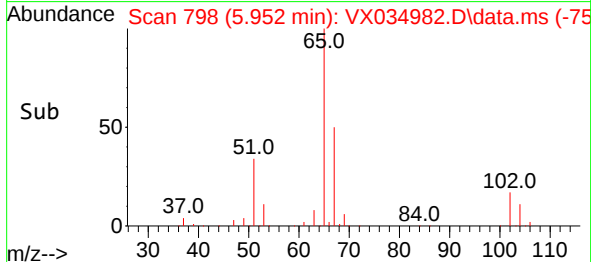
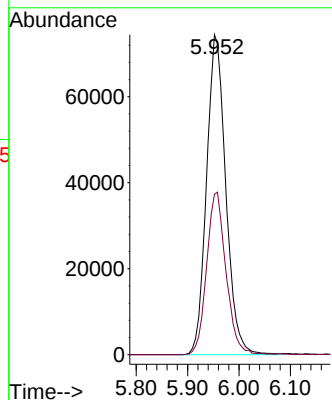
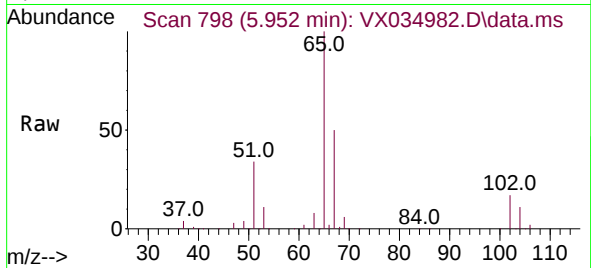




#33
 1,2-Dichloroethane-d4
 Concen: 49.252 ug/l
 RT: 5.952 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX034982.D
 Acq: 07 Apr 2023 20:27

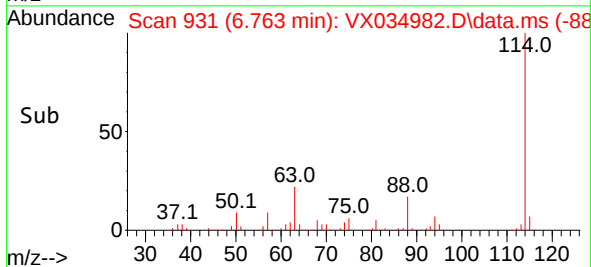
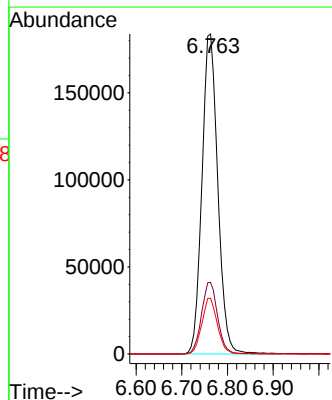
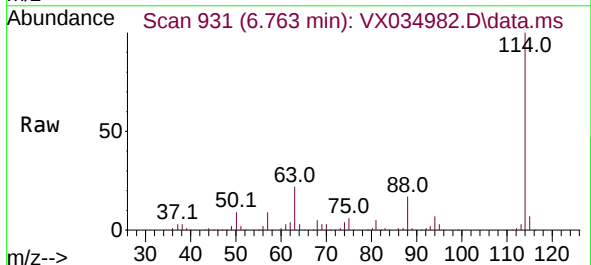
Instrument :
 MSVOA_X
 ClientSampleId :
 RW-12D

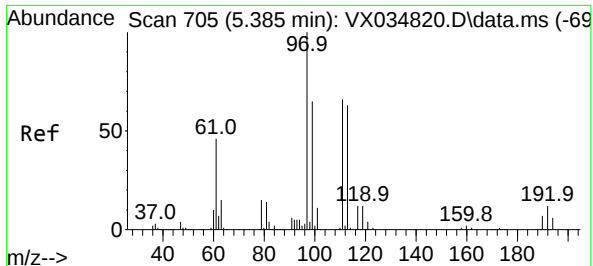
Tgt Ion: 65 Resp: 193589
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX034982.D
 Acq: 07 Apr 2023 20:27

Tgt Ion: 114 Resp: 442848
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 42.2
 88 17.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.047 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX034982.D

Acq: 07 Apr 2023 20:27

Instrument :

MSVOA_X

ClientSampleId :

RW-12D

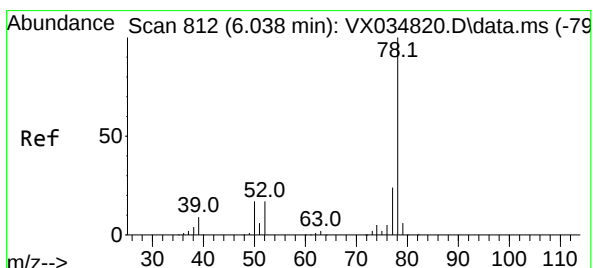
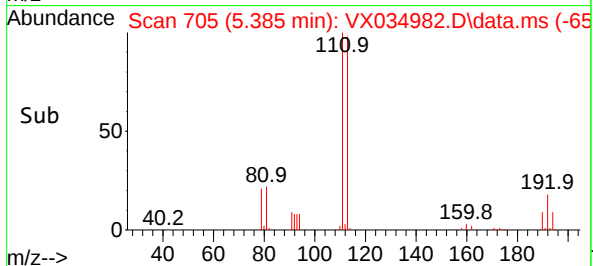
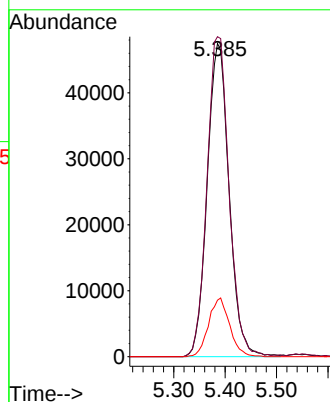
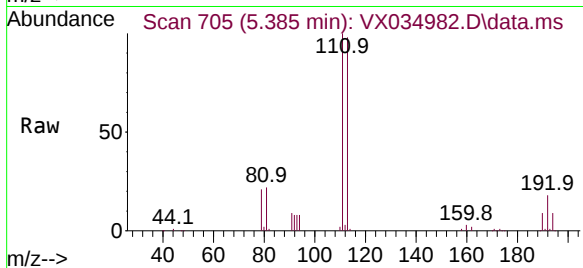
Tgt Ion:113 Resp: 140734

Ion Ratio Lower Upper

113 100

111 103.1 83.7 125.5

192 18.0 15.4 23.2



#40

Benzene

Concen: 0.208 ug/l

RT: 6.050 min Scan# 814

Delta R.T. 0.012 min

Lab File: VX034982.D

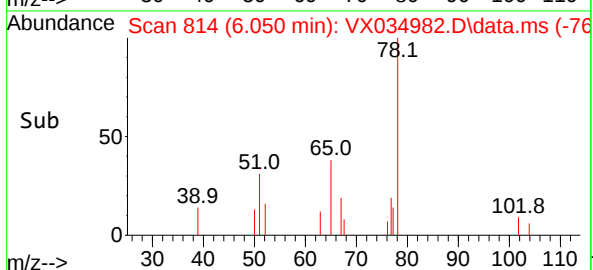
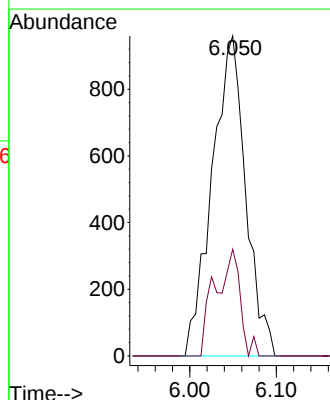
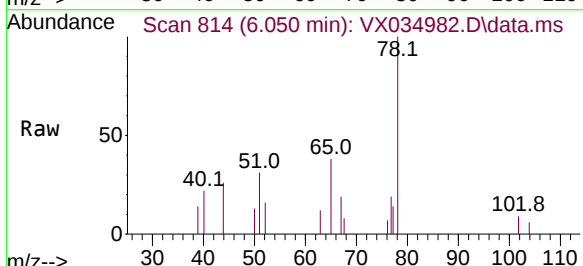
Acq: 07 Apr 2023 20:27

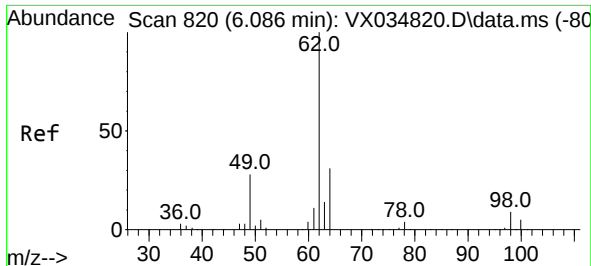
Tgt Ion: 78 Resp: 2585

Ion Ratio Lower Upper

78 100

77 33.3 19.0 28.4#





#42

1,2-Dichloroethane

Concen: 0.519 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX034982.D

Acq: 07 Apr 2023 20:27

Instrument :

MSVOA_X

ClientSampleId :

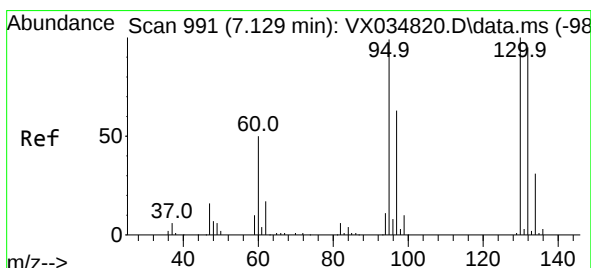
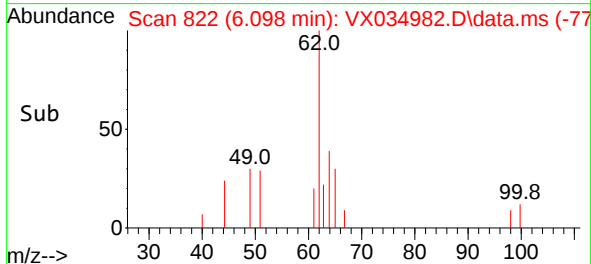
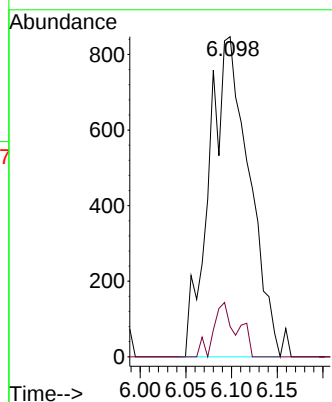
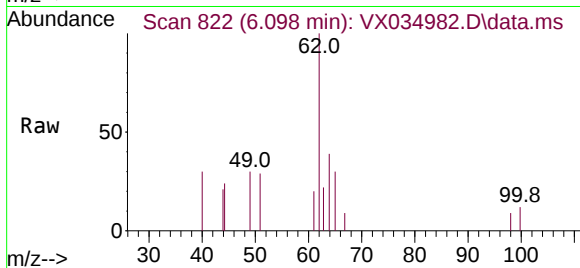
RW-12D

Tgt Ion: 62 Resp: 2571

Ion Ratio Lower Upper

62 100

98 10.0 0.0 18.0



#44

Trichloroethene

Concen: 0.897 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX034982.D

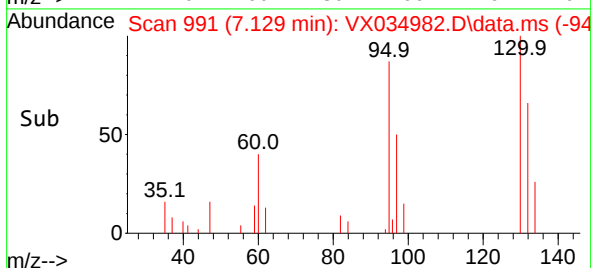
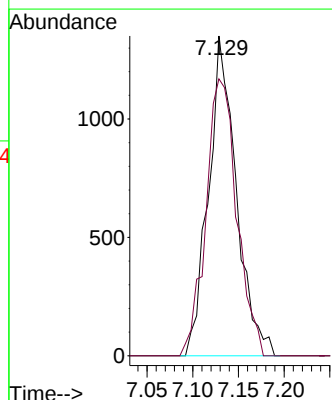
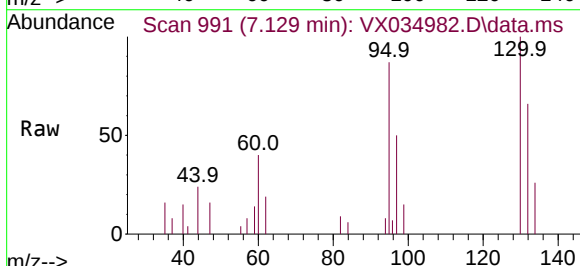
Acq: 07 Apr 2023 20:27

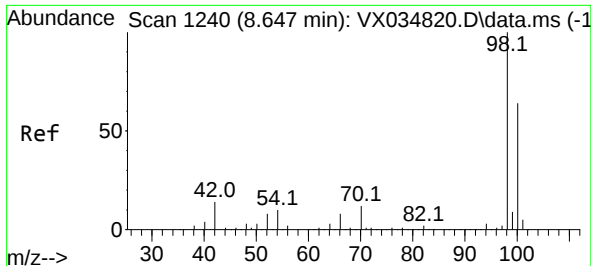
Tgt Ion:130 Resp: 2853

Ion Ratio Lower Upper

130 100

95 86.6 0.0 198.4

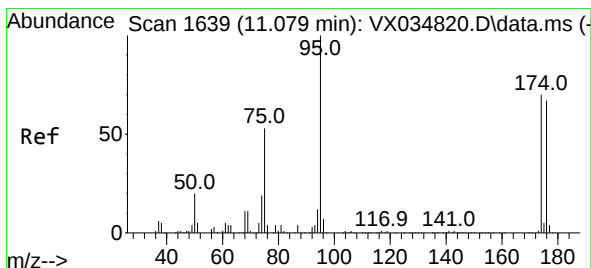
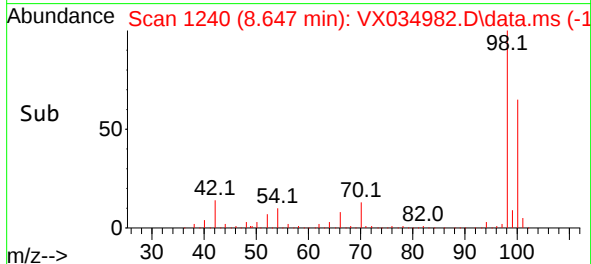
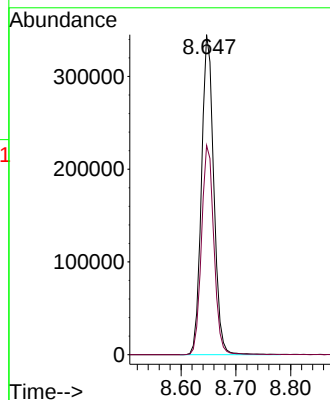
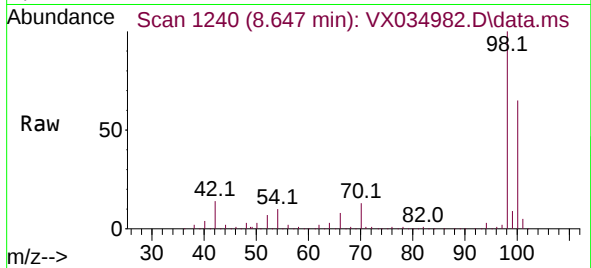




#50
Toluene-d8
Concen: 49.684 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034982.D
Acq: 07 Apr 2023 20:27

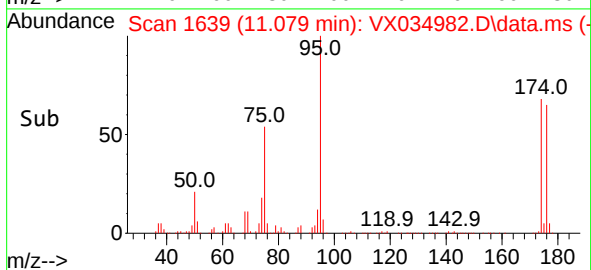
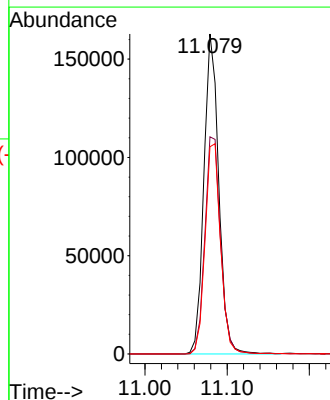
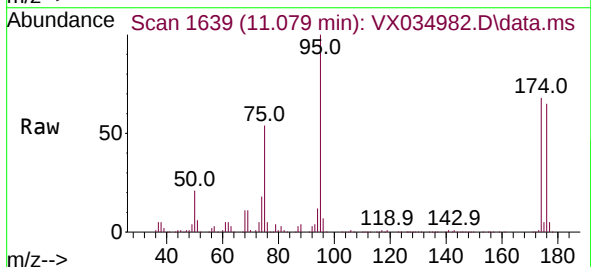
Instrument :
MSVOA_X
ClientSampleId :
RW-12D

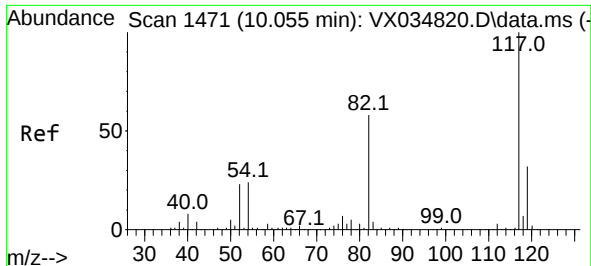
Tgt Ion: 98 Resp: 537155
Ion Ratio Lower Upper
98 100
100 66.1 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 48.951 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034982.D
Acq: 07 Apr 2023 20:27

Tgt Ion: 95 Resp: 204800
Ion Ratio Lower Upper
95 100
174 71.6 0.0 147.4
176 68.8 0.0 140.6

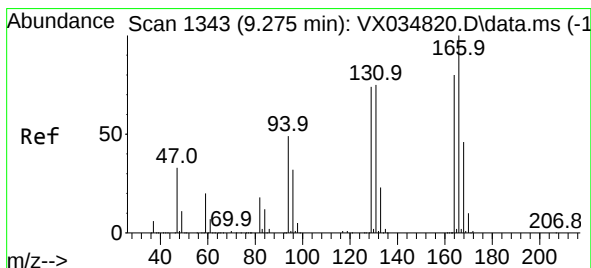
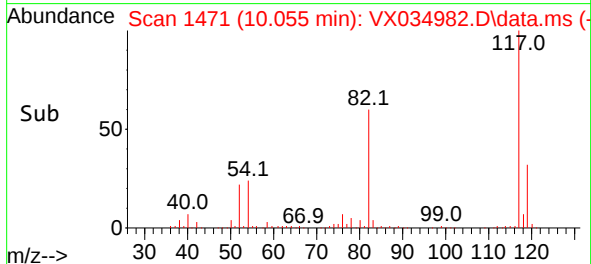
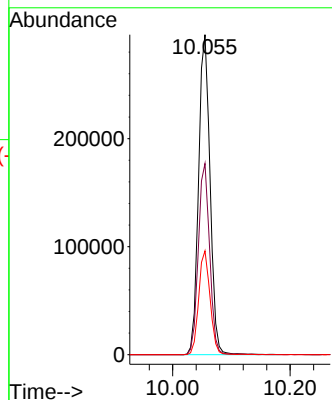
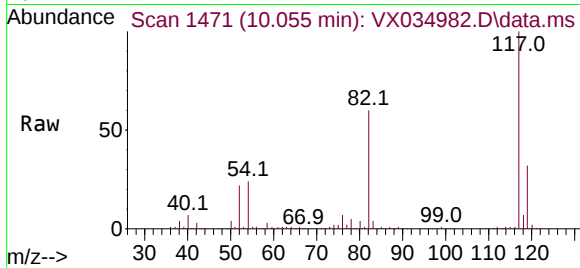




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034982.D
Acq: 07 Apr 2023 20:27

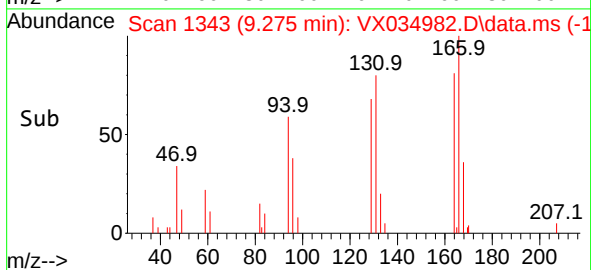
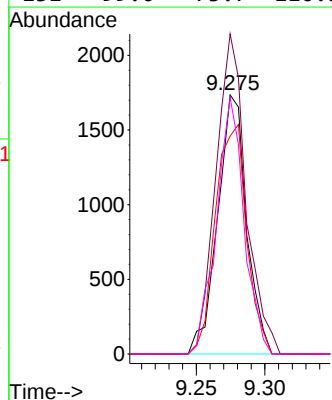
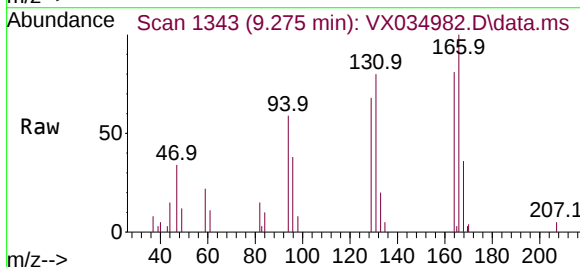
Instrument :
MSVOA_X
ClientSampleId :
RW-12D

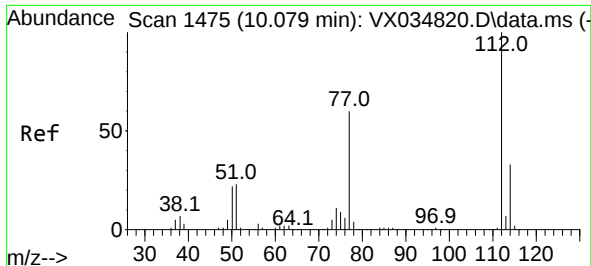
Tgt Ion:117 Resp: 402206
Ion Ratio Lower Upper
117 100
82 59.8 45.0 67.4
119 32.4 26.0 39.0



#64
Tetrachloroethene
Concen: 0.882 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX034982.D
Acq: 07 Apr 2023 20:27

Tgt Ion:164 Resp: 2539
Ion Ratio Lower Upper
164 100
166 123.5 102.7 154.1
129 84.0 75.6 113.4
131 99.0 73.7 110.5

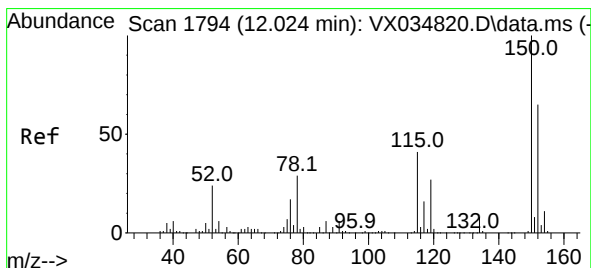
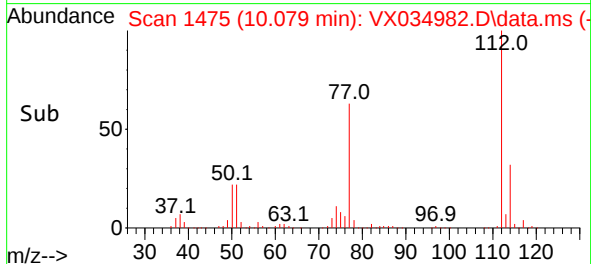
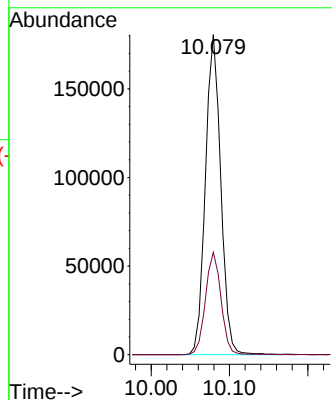
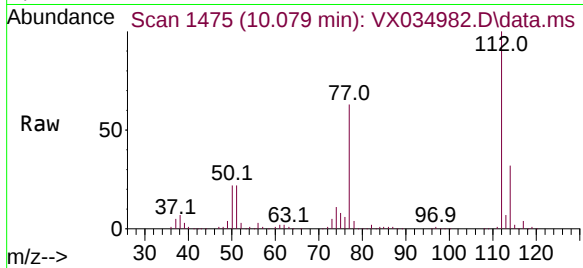




#65
Chlorobenzene
Concen: 29.351 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX034982.D
Acq: 07 Apr 2023 20:27

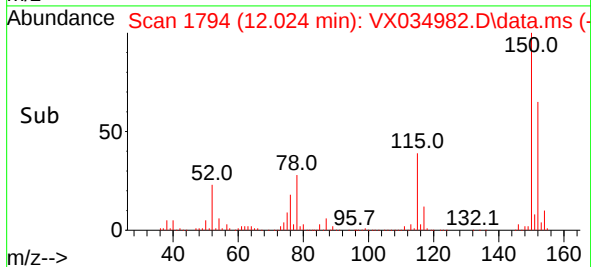
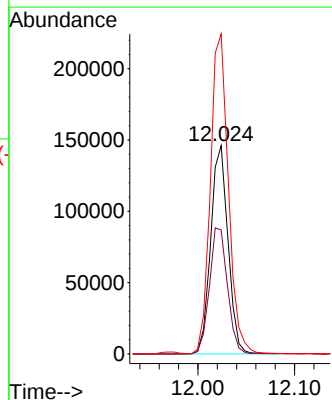
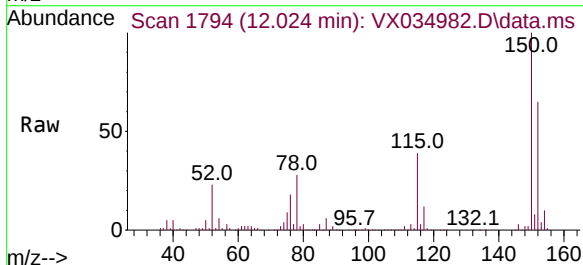
Instrument :
MSVOA_X
ClientSampleId :
RW-12D

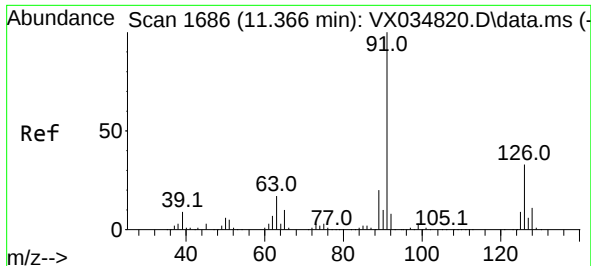
Tgt Ion:112 Resp: 245616
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034982.D
Acq: 07 Apr 2023 20:27

Tgt Ion:152 Resp: 181518
Ion Ratio Lower Upper
152 100
115 63.2 45.0 135.0
150 159.4 0.0 352.4





#79

2-Chlorotoluene

Concen: 1.392 ug/l

RT: 11.366 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX034982.D

Acq: 07 Apr 2023 20:27

Instrument :

MSVOA_X

ClientSampleId :

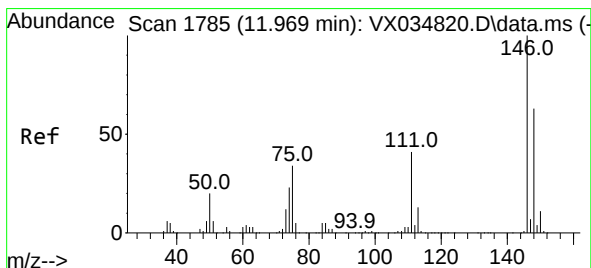
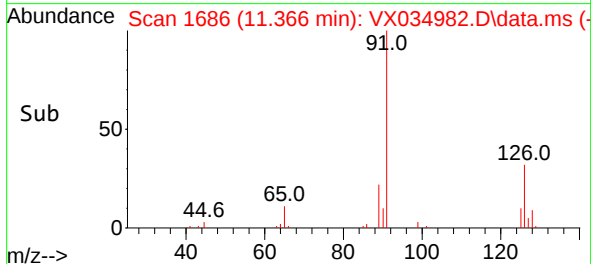
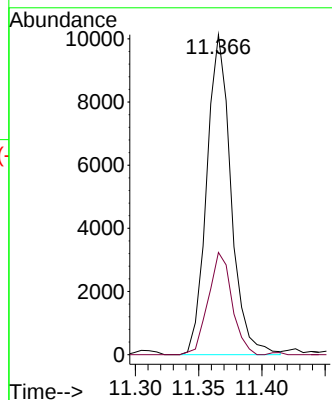
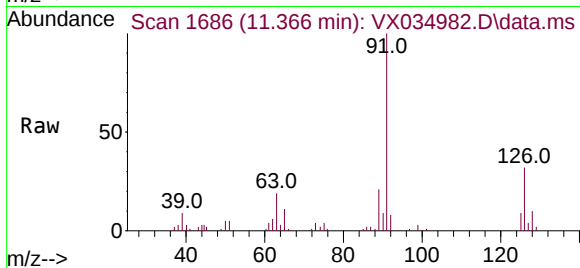
RW-12D

Tgt Ion: 91 Resp: 13504

Ion Ratio Lower Upper

91 100

126 31.2 16.3 48.9



#87

1,3-Dichlorobenzene

Concen: 2.931 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX034982.D

Acq: 07 Apr 2023 20:27

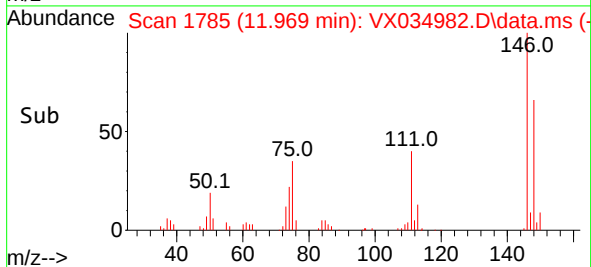
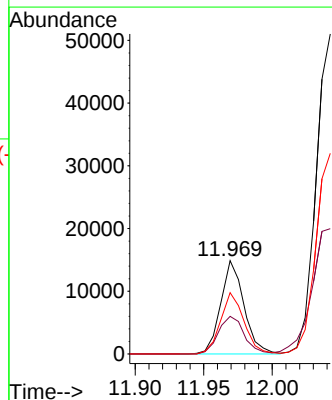
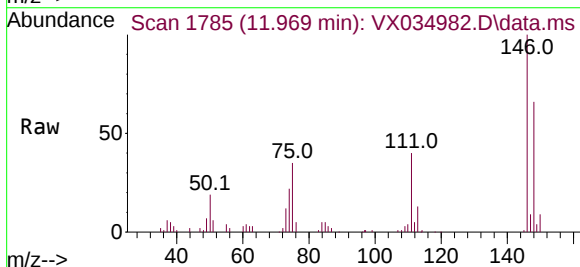
Tgt Ion:146 Resp: 17583

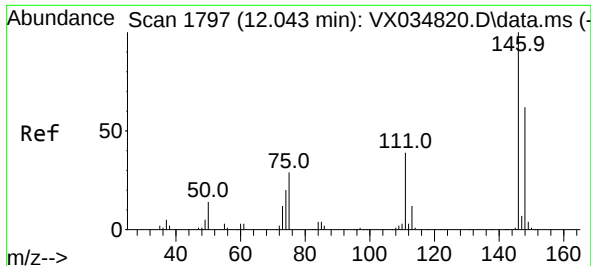
Ion Ratio Lower Upper

146 100

111 44.7 20.9 62.8

148 66.3 31.6 95.0

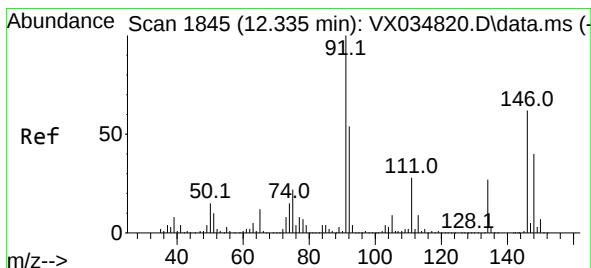
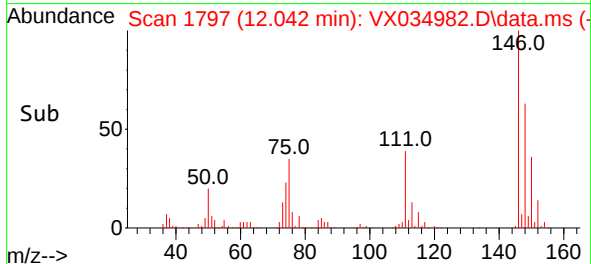
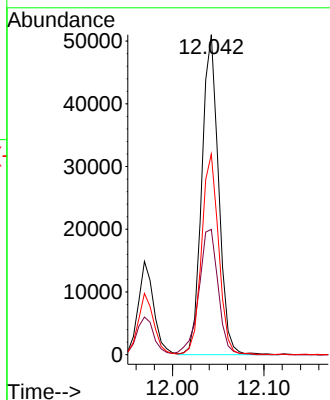
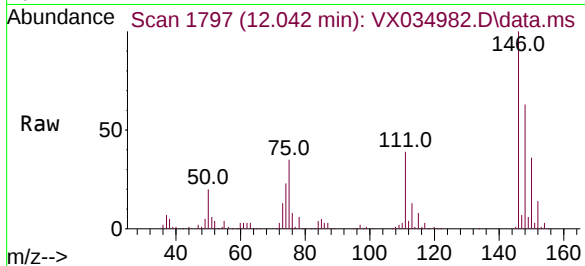




#88
1,4-Dichlorobenzene
Concen: 10.354 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.001 min
Lab File: VX034982.D
Acq: 07 Apr 2023 20:27

Instrument :
MSVOA_X
ClientSampleId :
RW-12D

Tgt Ion:146 Resp: 64886
Ion Ratio Lower Upper
146 100
111 45.0 20.6 61.9
148 63.6 31.8 95.4



#91
1,2-Dichlorobenzene
Concen: 6.842 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX034982.D
Acq: 07 Apr 2023 20:27

Tgt Ion:146 Resp: 41112
Ion Ratio Lower Upper
146 100
111 46.0 22.0 66.0
148 64.1 32.0 96.0

