

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030823\
 Data File : VX034394.D
 Acq On : 08 Mar 2023 19:27
 Operator : JC/MD
 Sample : 01843-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20230306

Quant Time: Mar 09 04:03:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

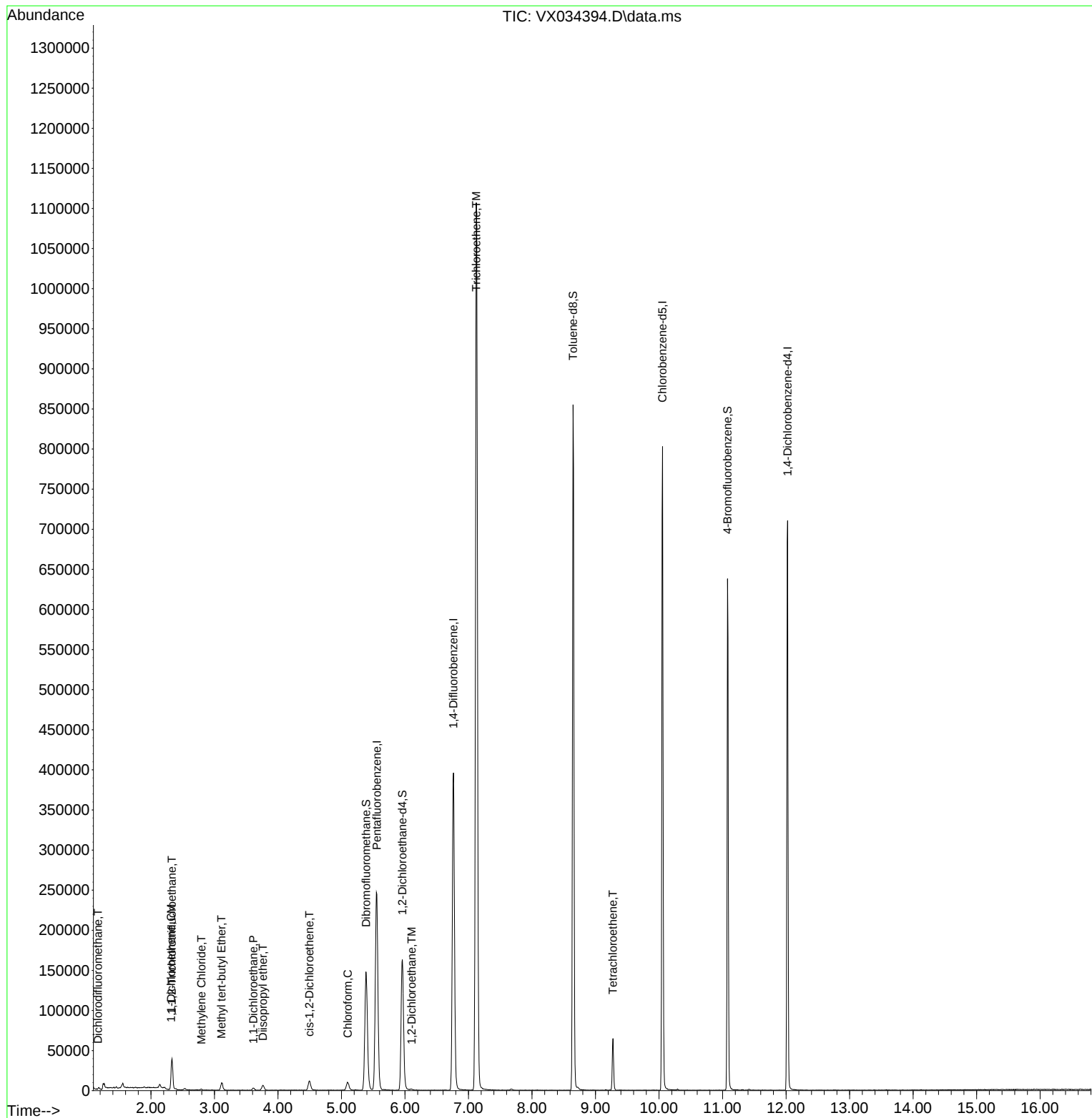
Internal Standards						
1) Pentafluorobenzene	5.556	168	243788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	408726	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	357972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	148613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	155517	47.367	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.740%
35) Dibromofluoromethane	5.385	113	128707	48.364	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.720%
50) Toluene-d8	8.647	98	494341	51.738	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.480%
62) 4-Bromofluorobenzene	11.079	95	165582	45.307	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.620%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	654	0.310	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.331	101	13567	5.158	ug/l	97
12) 1,1-Dichloroethene	2.319	96	2577	0.977	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	10229	1.099	ug/l	98
20) Methylene Chloride	2.794	84	652	0.214	ug/l #	76
22) Diisopropyl ether	3.763	45	7031	0.717	ug/l #	68
24) 1,1-Dichloroethane	3.611	63	3301	0.613	ug/l	94
27) cis-1,2-Dichloroethene	4.495	96	7540	2.304	ug/l	91
30) Chloroform	5.099	83	12011	2.324	ug/l	97
42) 1,2-Dichloroethane	6.104	62	1244	0.303	ug/l	77
44) Trichloroethene	7.123	130	433153	144.721	ug/l	92
64) Tetrachloroethene	9.275	164	11769	4.658	ug/l	91

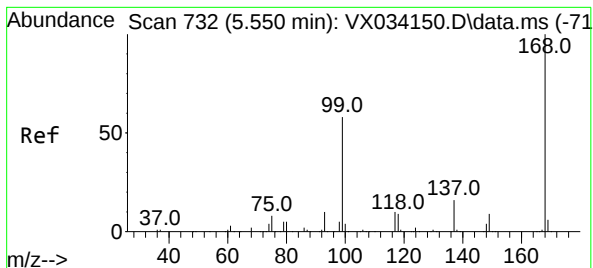
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX034394.D

Acq: 08 Mar 2023 19:27

Instrument :

MSVOA_X

ClientSampleId :

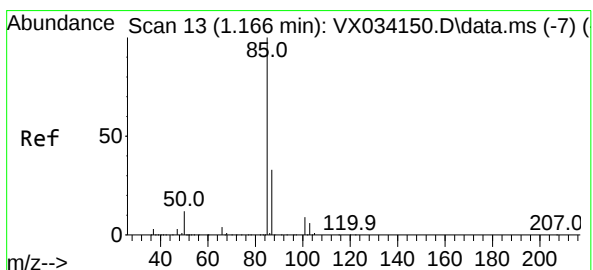
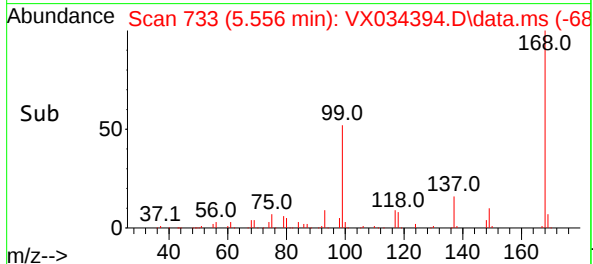
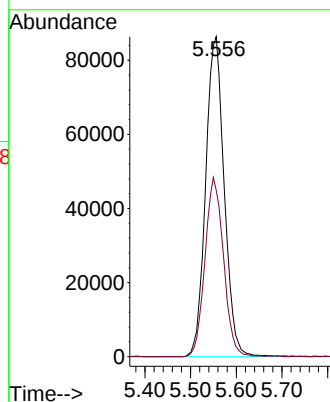
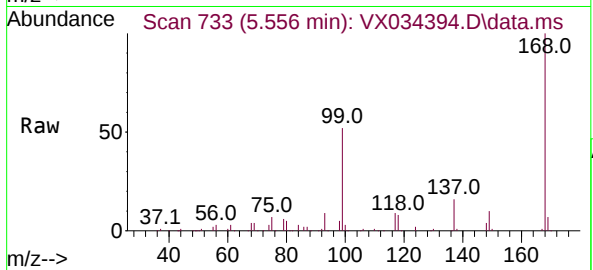
DUP04-20230306

Tgt Ion:168 Resp: 243788

Ion Ratio Lower Upper

168 100

99 52.1 39.6 59.4



#2

Dichlorodifluoromethane

Concen: 0.310 ug/l

RT: 1.166 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX034394.D

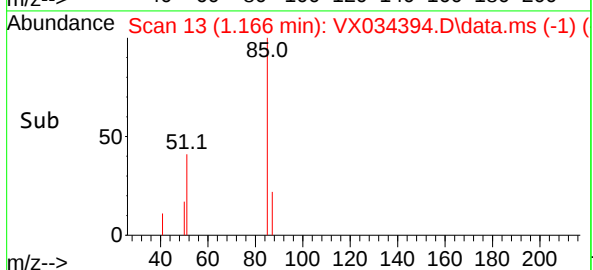
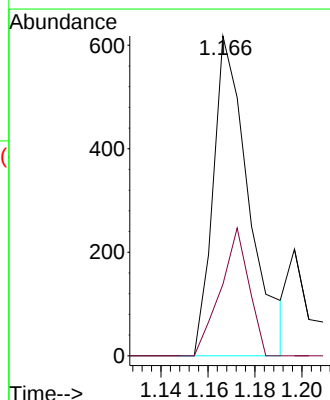
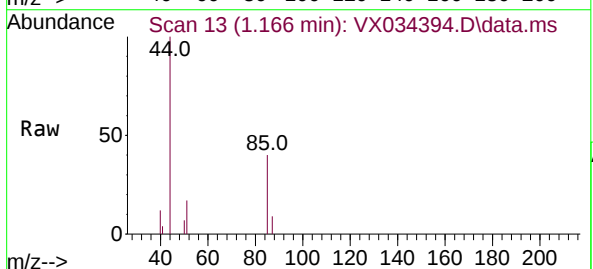
Acq: 08 Mar 2023 19:27

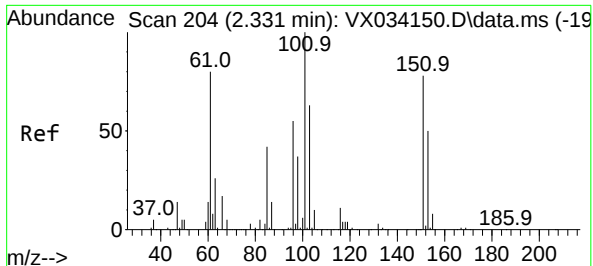
Tgt Ion: 85 Resp: 654

Ion Ratio Lower Upper

85 100

87 22.3 15.8 47.4

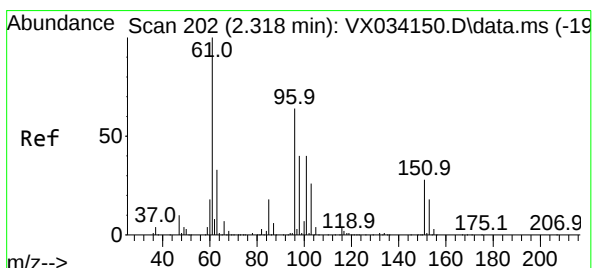
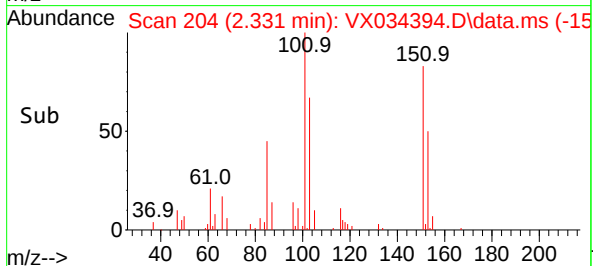
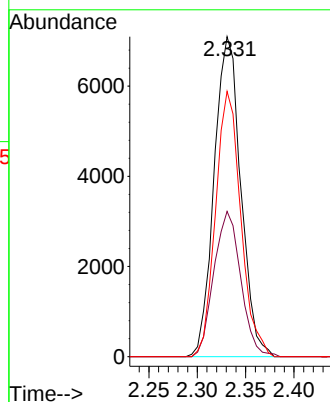
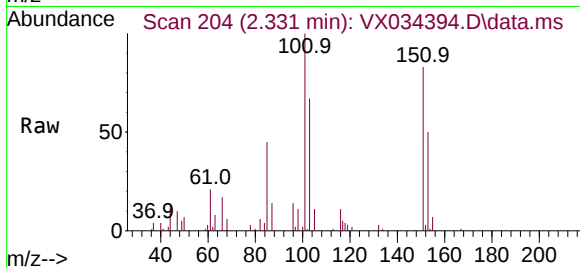




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.158 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.000 min
 Lab File: VX034394.D
 Acq: 08 Mar 2023 19:27

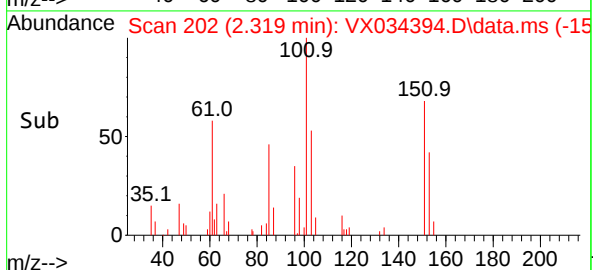
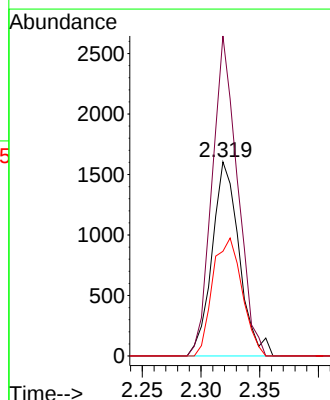
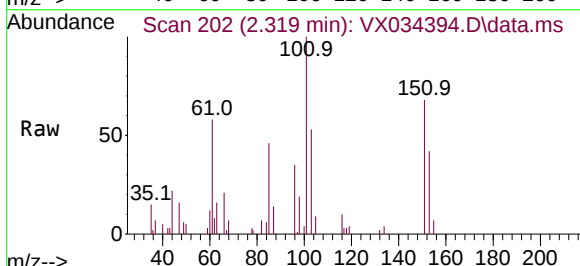
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20230306

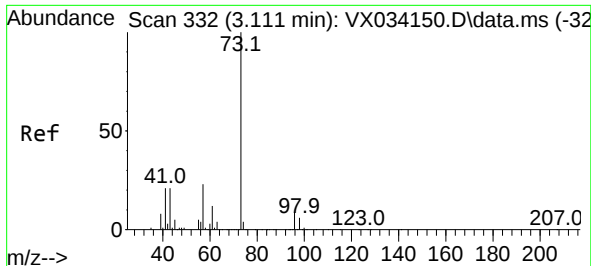
Tgt Ion:	101	Resp:	13567
Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.7	55.1
151	78.7	66.5	99.7



#12
 1,1-Dichloroethene
 Concen: 0.977 ug/l
 RT: 2.319 min Scan# 202
 Delta R.T. 0.000 min
 Lab File: VX034394.D
 Acq: 08 Mar 2023 19:27

Tgt Ion:	96	Resp:	2577
Ion	Ratio	Lower	Upper
96	100		
61	164.9	134.2	201.4
98	53.9	50.2	75.2

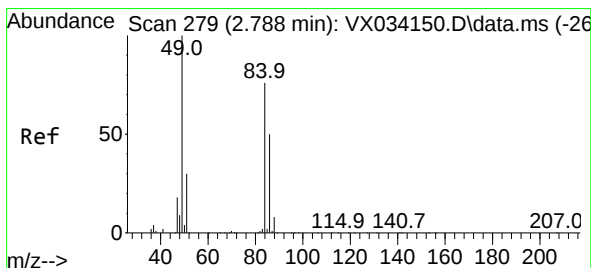
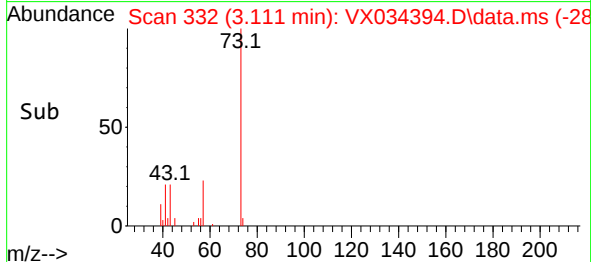
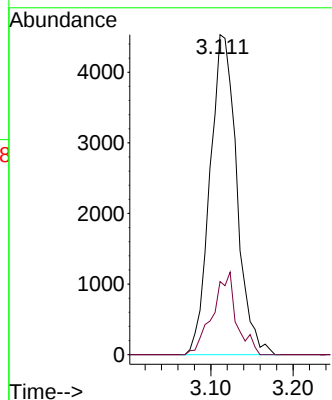
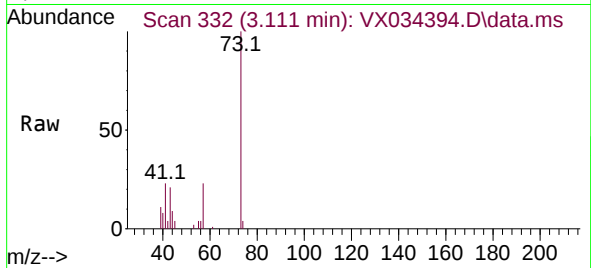




#19
Methyl tert-butyl Ether
Concen: 1.099 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

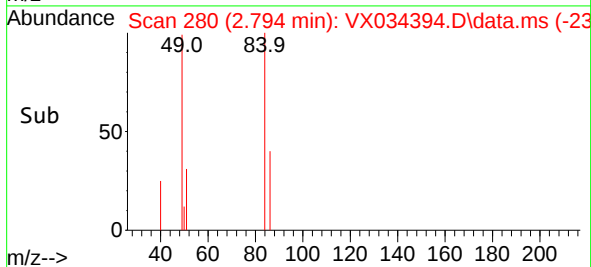
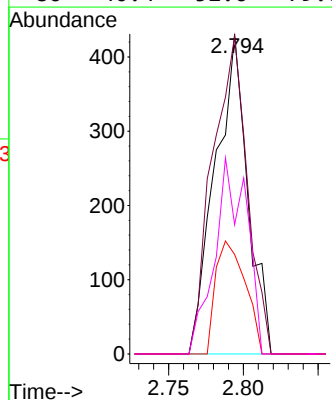
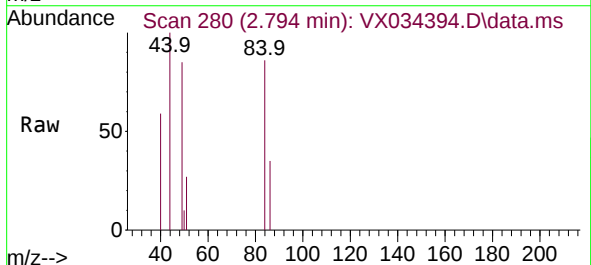
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20230306

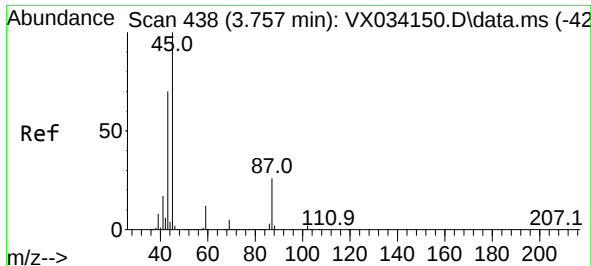
Tgt Ion: 73 Resp: 10229
Ion Ratio Lower Upper
73 100
57 22.8 17.4 26.0



#20
Methylene Chloride
Concen: 0.214 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Tgt Ion: 84 Resp: 652
Ion Ratio Lower Upper
84 100
49 99.3 101.1 151.7#
51 31.1 31.0 46.6
86 40.4 52.6 79.0#

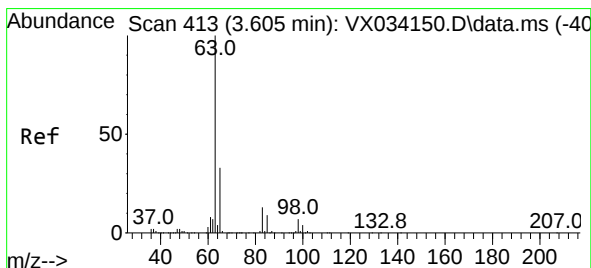
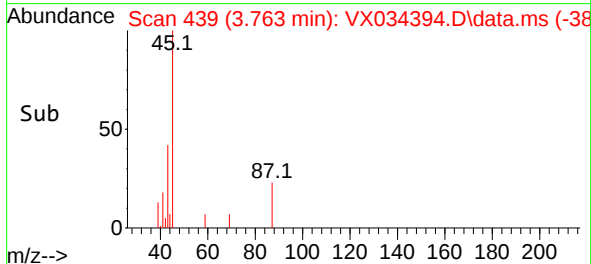
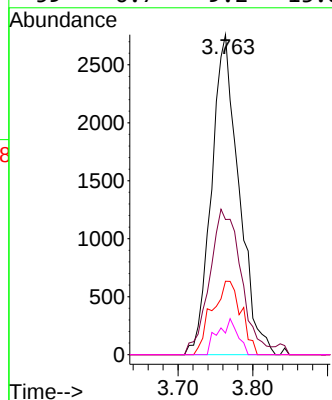
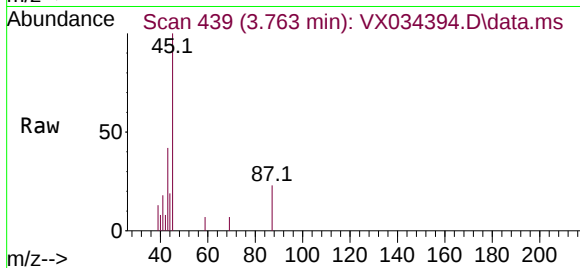




#22
Diisopropyl ether
Concen: 0.717 ug/l
RT: 3.763 min Scan# 411
Delta R.T. 0.006 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

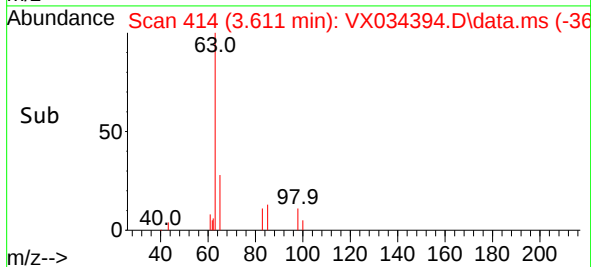
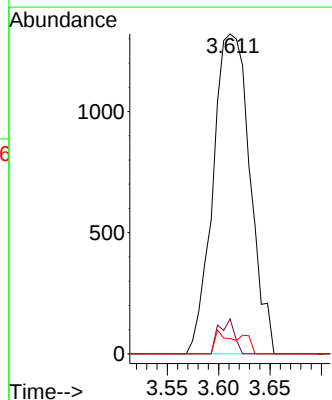
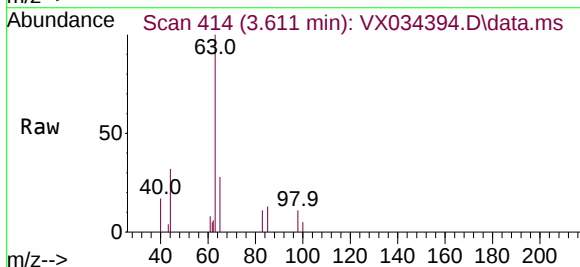
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20230306

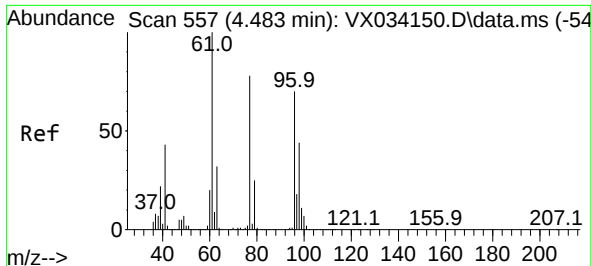
Tgt Ion: 45	Resp: 7031
Ion Ratio	Lower Upper
45 100	
43 42.2	64.6 97.0#
87 22.9	21.9 32.9
59 6.7	9.2 13.8#



#24
1,1-Dichloroethane
Concen: 0.613 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Tgt Ion: 63	Resp: 3301
Ion Ratio	Lower Upper
63 100	
98 10.9	3.8 11.2
100 4.8	2.4 7.2





#27

cis-1,2-Dichloroethene

Concen: 2.304 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX034394.D

Acq: 08 Mar 2023 19:27

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20230306

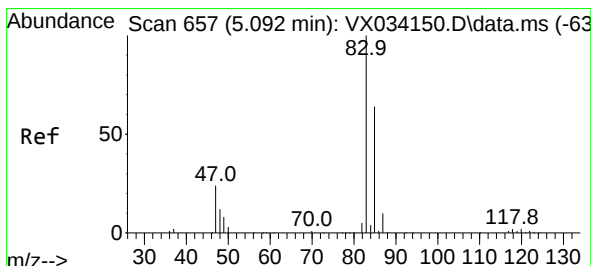
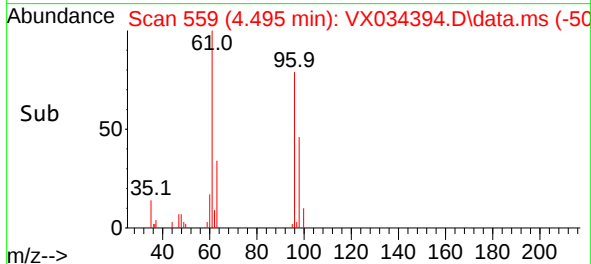
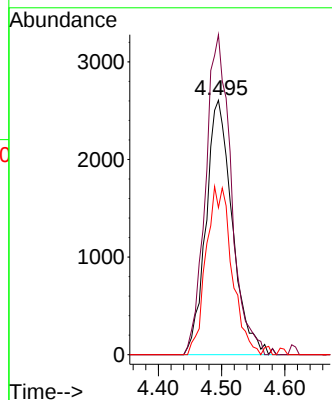
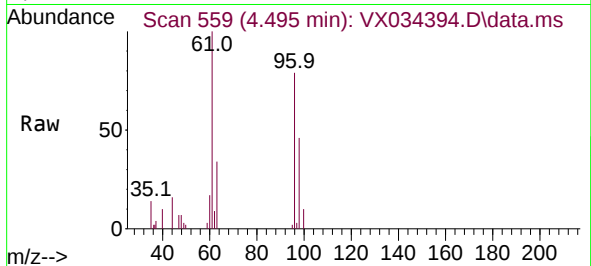
Tgt Ion: 96 Resp: 7540

Ion Ratio Lower Upper

96 100

61 122.7 0.0 277.6

98 64.9 0.0 128.0



#30

Chloroform

Concen: 2.324 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX034394.D

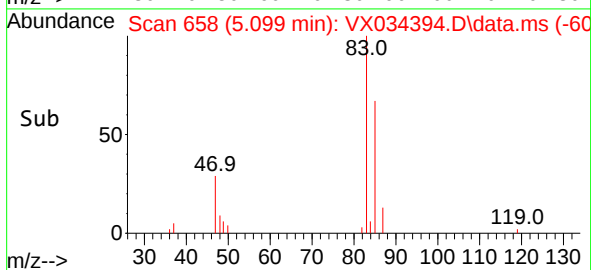
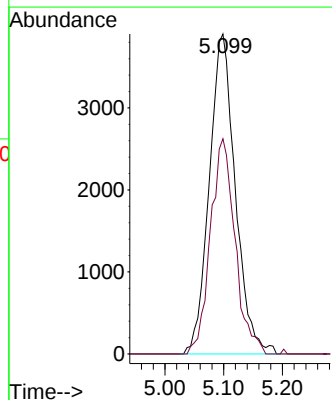
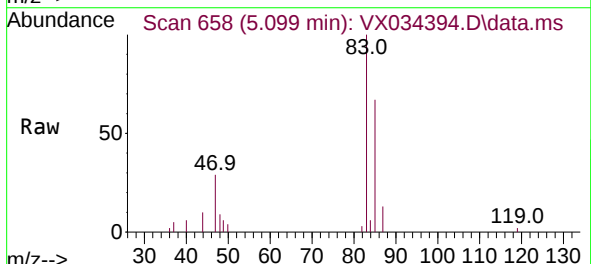
Acq: 08 Mar 2023 19:27

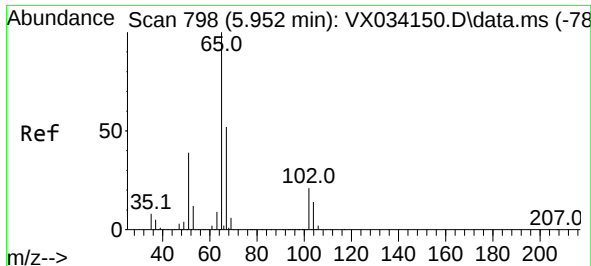
Tgt Ion: 83 Resp: 12011

Ion Ratio Lower Upper

83 100

85 67.2 52.1 78.1





#33

1,2-Dichloroethane-d4

Concen: 47.367 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034394.D

Acq: 08 Mar 2023 19:27

Instrument :

MSVOA_X

ClientSampleId :

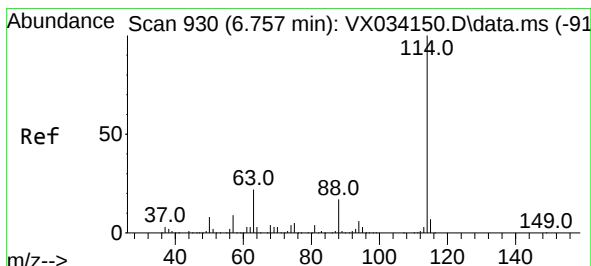
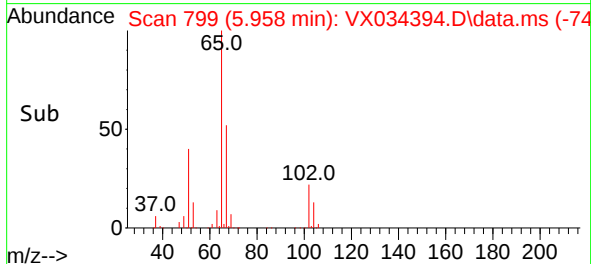
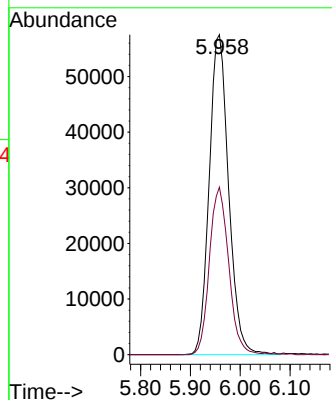
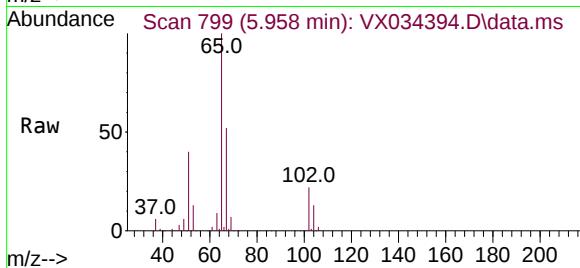
DUP04-20230306

Tgt Ion: 65 Resp: 155517

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034394.D

Acq: 08 Mar 2023 19:27

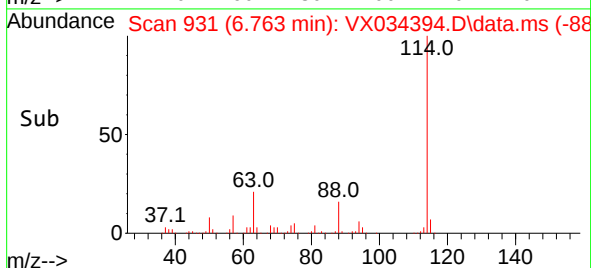
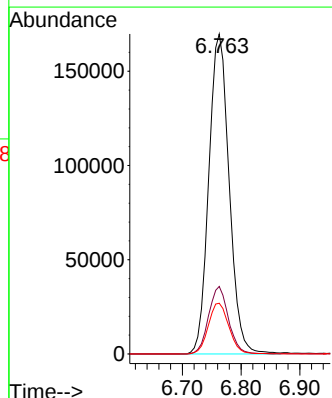
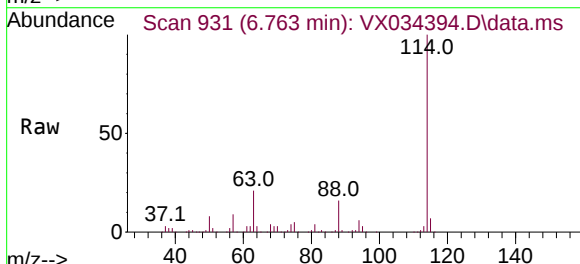
Tgt Ion: 114 Resp: 408726

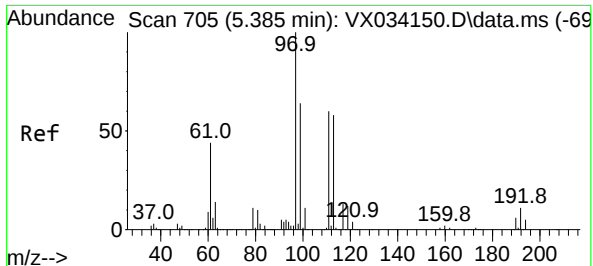
Ion Ratio Lower Upper

114 100

63 21.1 0.0 37.4

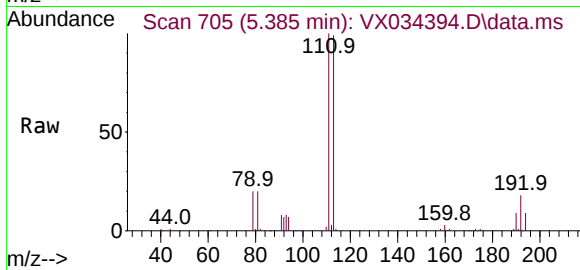
88 15.8 0.0 30.6



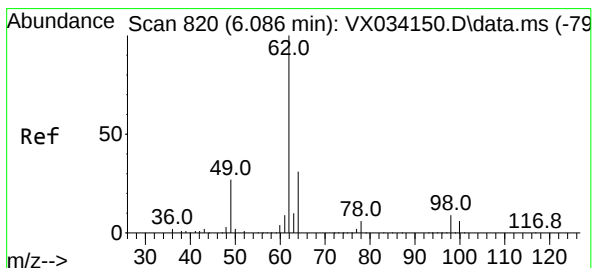
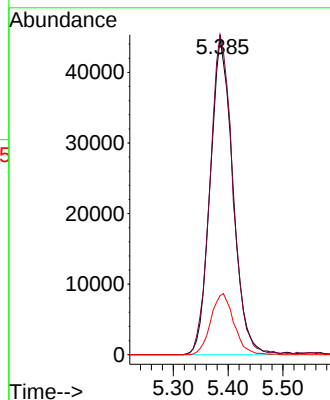
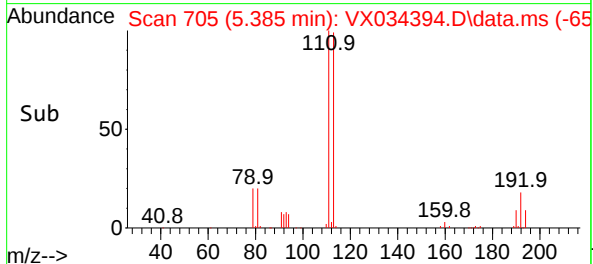


#35
Dibromofluoromethane
Concen: 48.364 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Instrument :
MSVOA_X
ClientSampleId :
DUP04-20230306

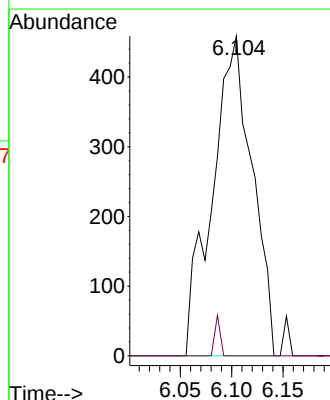
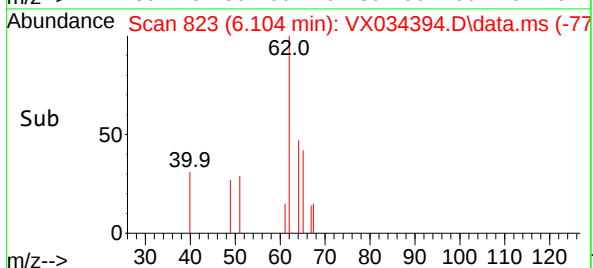
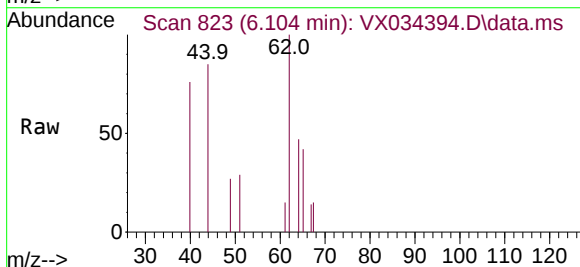


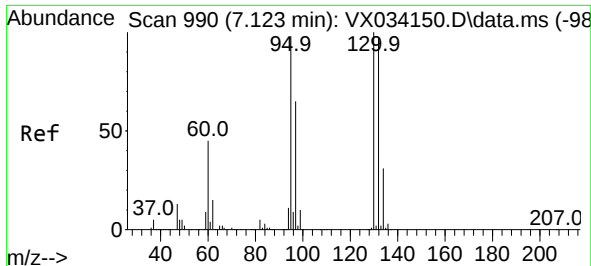
Tgt Ion:113 Resp: 128707
Ion Ratio Lower Upper
113 100
111 102.0 83.0 124.6
192 19.6 19.0 28.4



#42
1,2-Dichloroethane
Concen: 0.303 ug/l
RT: 6.104 min Scan# 823
Delta R.T. 0.018 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Tgt Ion: 62 Resp: 1244
Ion Ratio Lower Upper
62 100
98 1.7 0.0 20.2

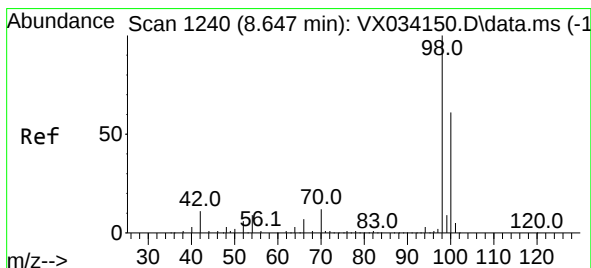
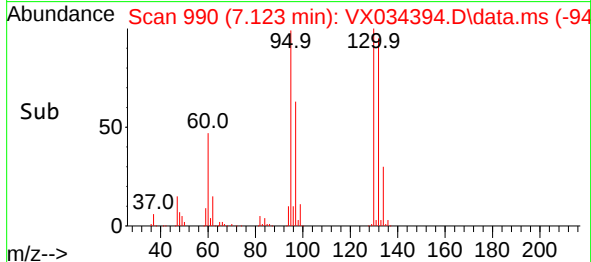
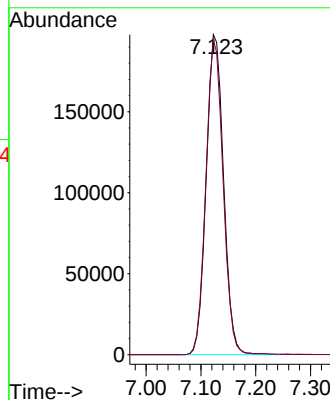
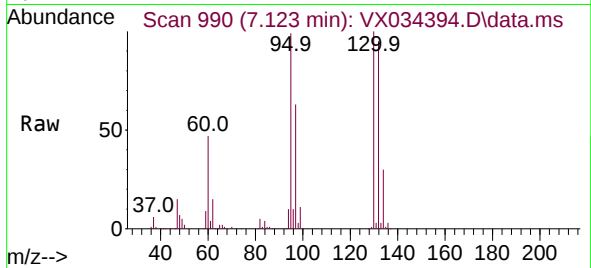




#44
Trichloroethene
Concen: 144.721 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

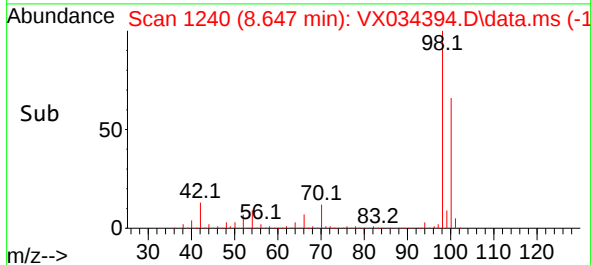
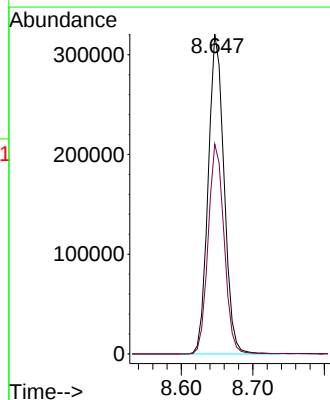
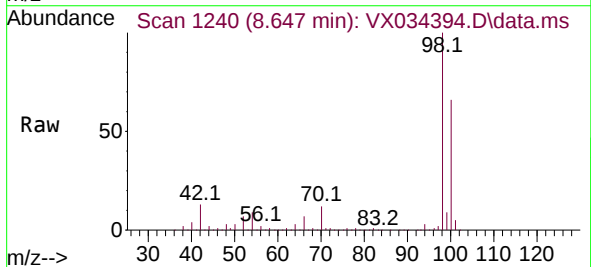
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20230306

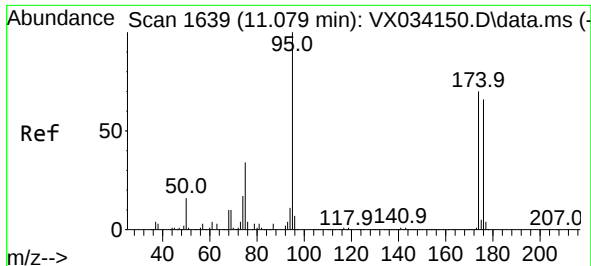
Tgt Ion:130 Resp: 433153
Ion Ratio Lower Upper
130 100
95 98.6 0.0 182.6



#50
Toluene-d8
Concen: 51.738 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Tgt Ion: 98 Resp: 494341
Ion Ratio Lower Upper
98 100
100 65.9 53.6 80.4

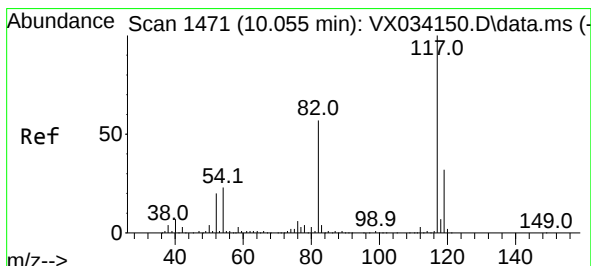
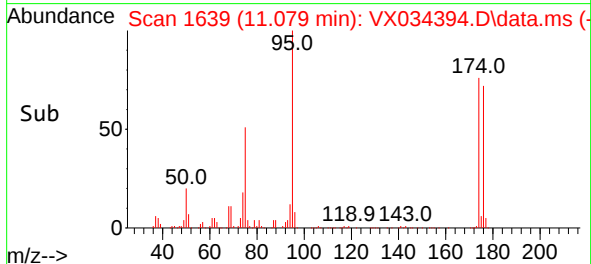
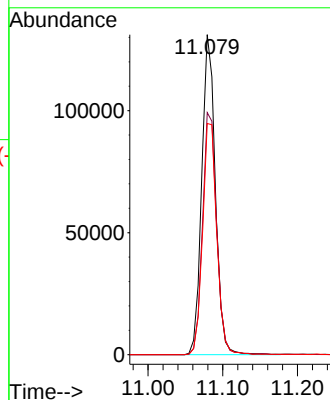
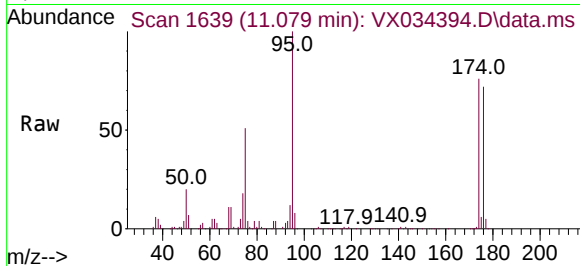




#62
4-Bromofluorobenzene
Concen: 45.307 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

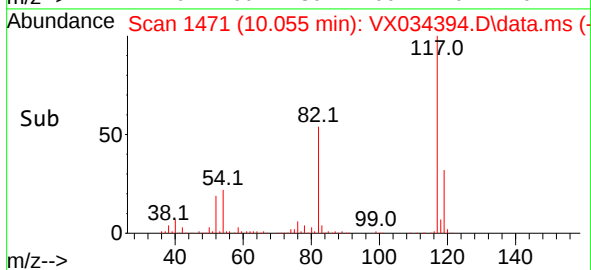
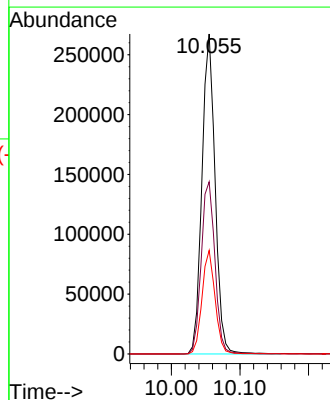
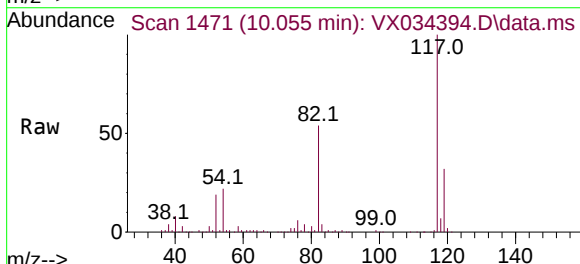
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20230306

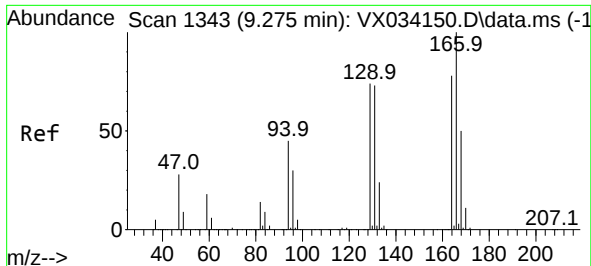
Tgt Ion: 95 Resp: 165582
Ion Ratio Lower Upper
95 100
174 78.5 0.0 184.4
176 75.6 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Tgt Ion: 117 Resp: 357972
Ion Ratio Lower Upper
117 100
82 53.8 40.6 60.8
119 32.4 25.6 38.4

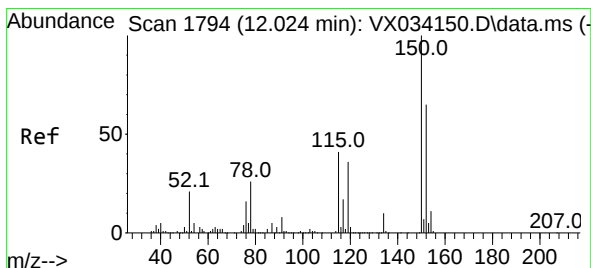
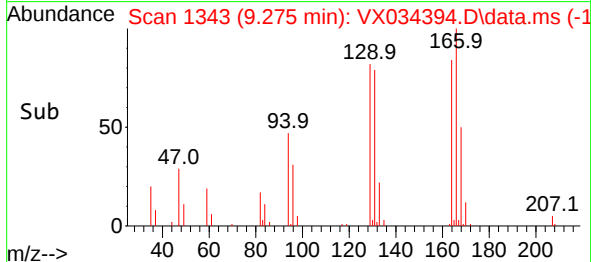
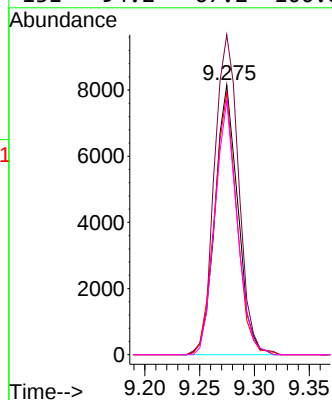
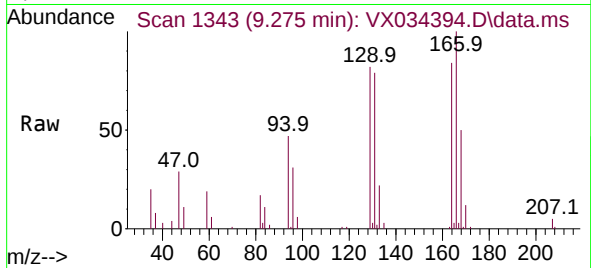




#64
Tetrachloroethene
Concen: 4.658 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Instrument :
MSVOA_X
ClientSampleId :
DUP04-20230306

Tgt Ion:164 Resp: 11769
Ion Ratio Lower Upper
164 100
166 118.6 100.2 150.2
129 97.2 69.2 103.8
131 94.2 67.2 100.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034394.D
Acq: 08 Mar 2023 19:27

Tgt Ion:152 Resp: 148613
Ion Ratio Lower Upper
152 100
115 60.4 38.7 116.1
150 157.9 0.0 348.2

