

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092321\
 Data File : VX024469.D
 Acq On : 23 Sep 2021 23:10
 Operator : JC/MD
 Sample : M3833-04DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D-20210919DL

Quant Time: Sep 24 07:40:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

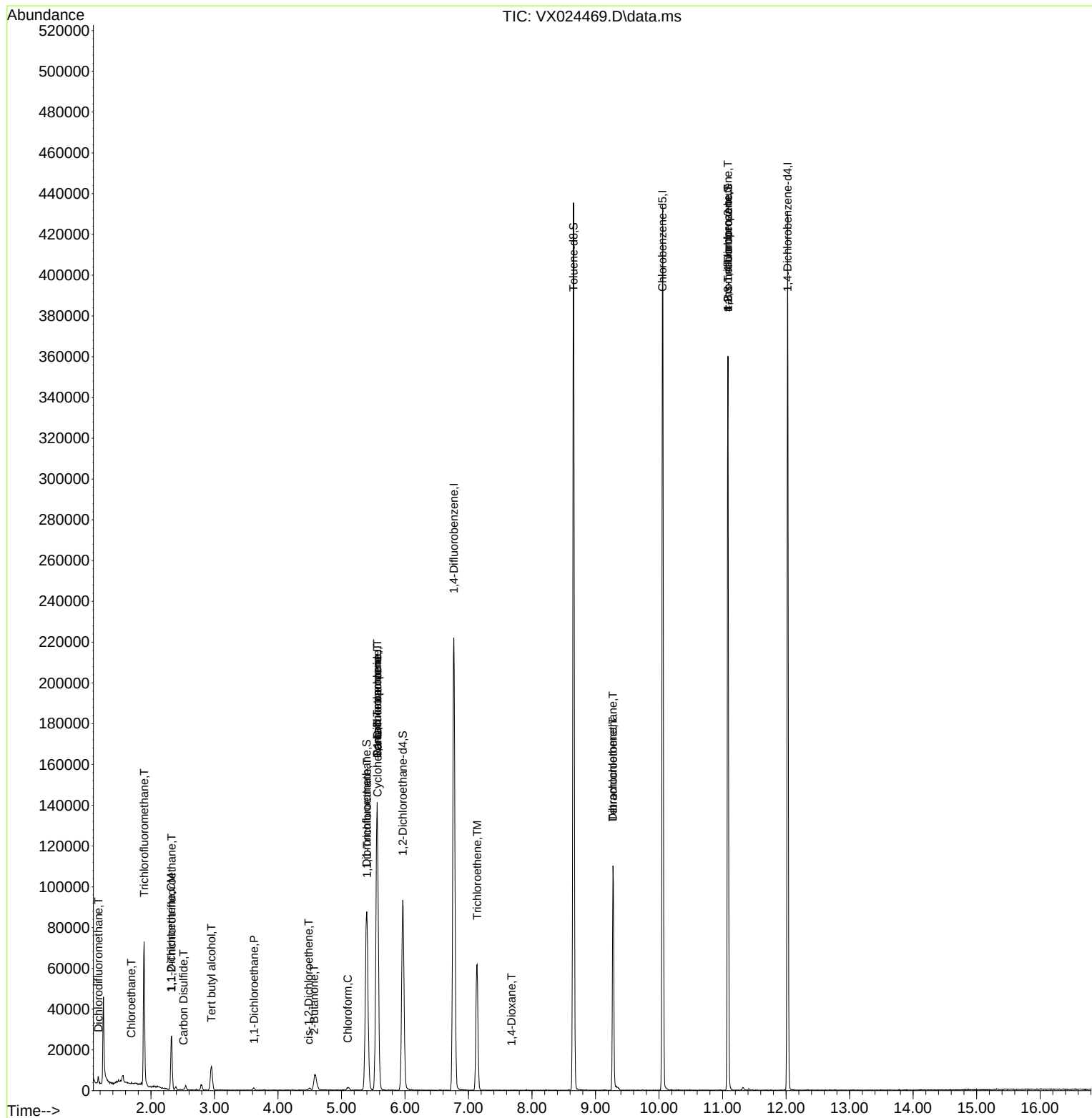
Internal Standards						
1) Pentafluorobenzene	5.562	168	128173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	218961	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	93356	51.679	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.360%			
35) Dibromofluoromethane	5.397	113	74384	51.137	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.280%			
50) Toluene-d8	8.653	98	243903	45.557	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.120%#			
62) 4-Bromofluorobenzene	11.085	95	91548	43.491	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	1794	1.391	ug/l	93
6) Chloroethane	1.691	64	270	0.575	ug/l #	43
7) Trichlorofluoromethane	1.892	101	43366	19.324	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	759	0.600	ug/l	91
11) Tert butyl alcohol	2.953	59	7114	4.804	ug/l #	73
12) 1,1-Dichloroethene	2.319	96	8231	7.005	ug/l	90
16) Acetone	2.386	43	1204	Below Cal		98
17) Carbon Disulfide	2.514	76	446	0.374	ug/l #	75
20) Methylene Chloride	2.788	84	1311	Below Cal		93
24) 1,1-Dichloroethane	3.623	63	1296	0.532	ug/l #	81
25) 2-Butanone	4.568	43	275	0.221	ug/l #	45
27) cis-1,2-Dichloroethene	4.483	96	414	0.265	ug/l	14
30) Chloroform	5.099	83	1758	0.653	ug/l #	80
31) Cyclohexane	5.568	56	2641	1.221	ug/l #	42
32) 1,1,1-Trichloroethane	5.403	97	1831	0.766	ug/l #	46
36) 1,1-Dichloropropene	5.562	75	10293	4.904	ug/l #	44
38) Carbon Tetrachloride	5.562	117	13512	5.914	ug/l #	16
44) Trichloroethene	7.135	130	24436	14.797	ug/l	95
49) 1,4-Dioxane	7.677	88	46	1.018	ug/l #	34
60) Dibromochloromethane	9.275	129	19530	11.668	ug/l #	11
64) Tetrachloroethene	9.275	164	19652	14.821	ug/l	95
76) 1,2,3-Trichloropropane	11.085	75	49228	25.590	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	49228	69.738	ug/l #	12

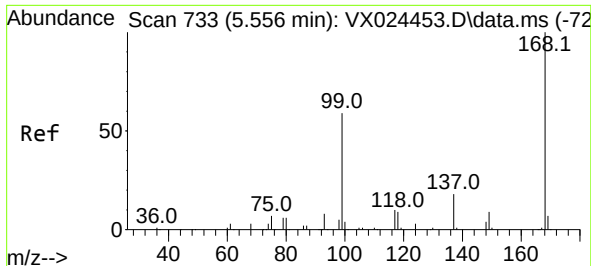
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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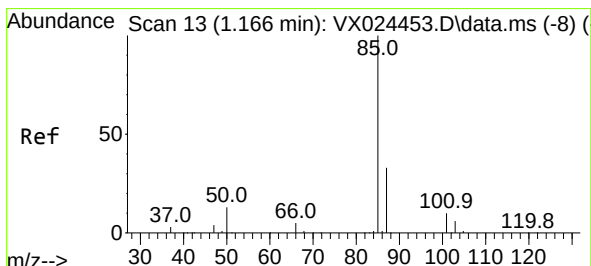
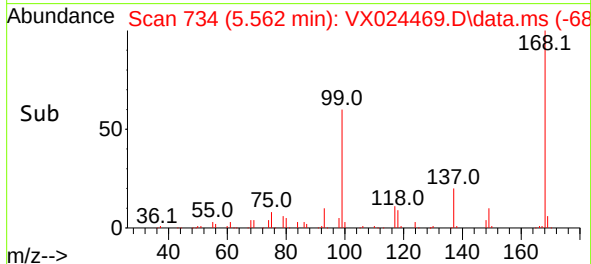
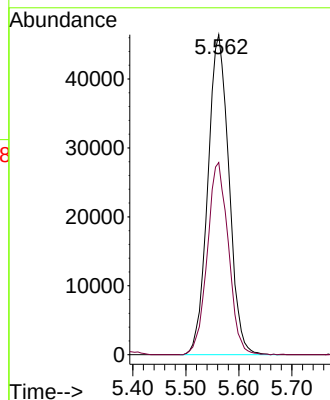
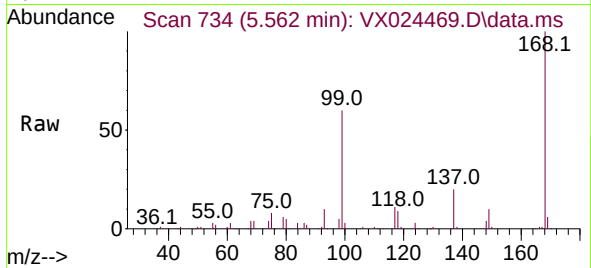




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

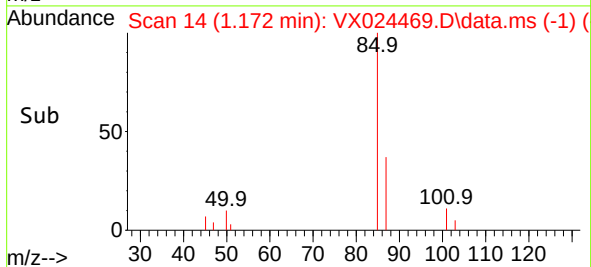
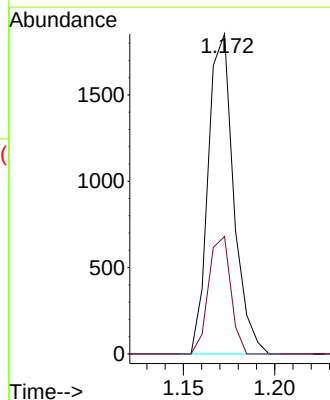
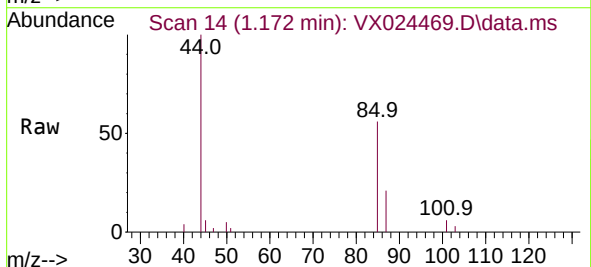
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20210919DL

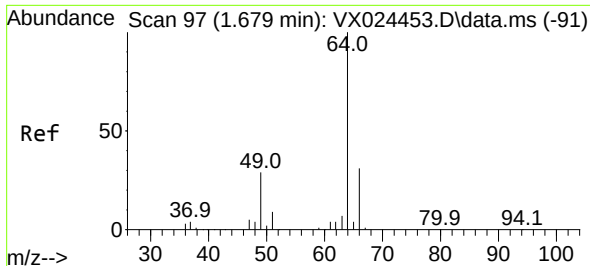
Tgt Ion:168 Resp: 128173
Ion Ratio Lower Upper
168 100
99 60.1 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 1.391 ug/l
RT: 1.172 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

Tgt Ion: 85 Resp: 1794
Ion Ratio Lower Upper
85 100
87 36.7 16.4 49.2

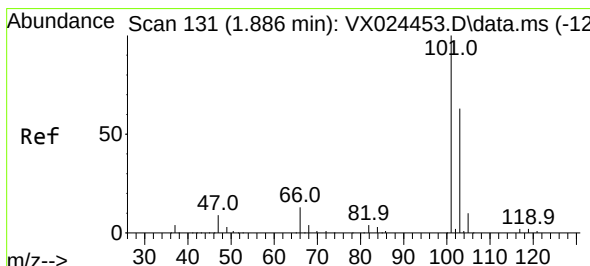
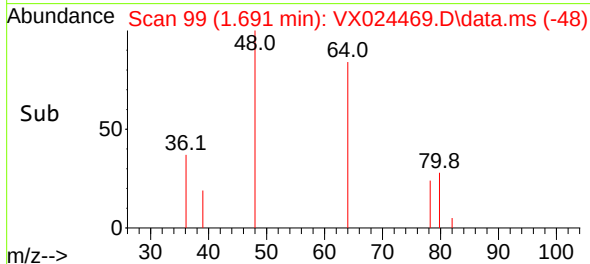
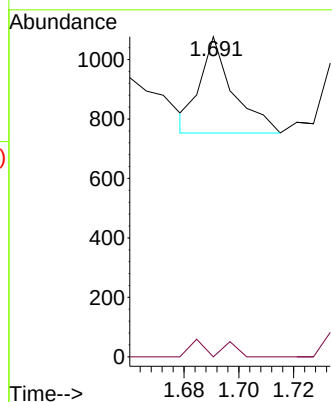
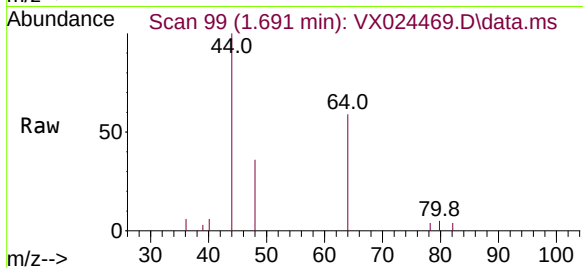




#6
Chloroethane
Concen: 0.575 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

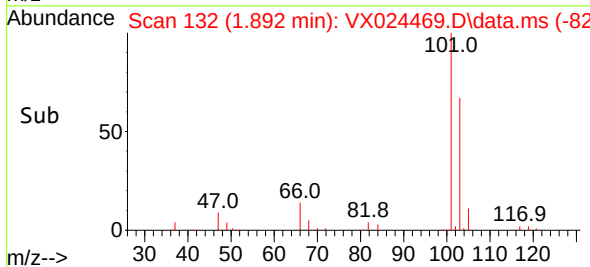
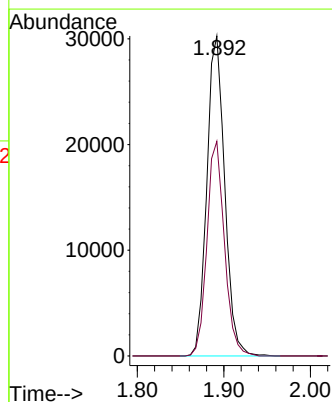
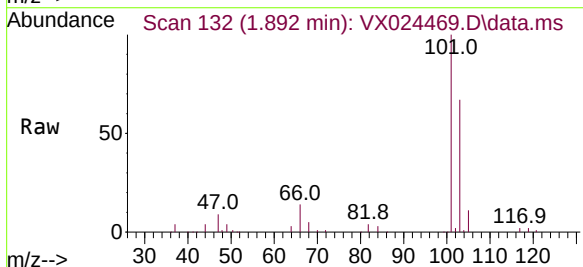
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20210919DL

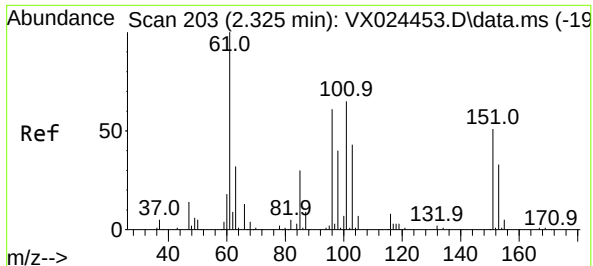
Tgt Ion: 64 Resp: 270
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#7
Trichlorofluoromethane
Concen: 19.324 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

Tgt Ion:101 Resp: 43366
Ion Ratio Lower Upper
101 100
103 67.0 53.2 79.8

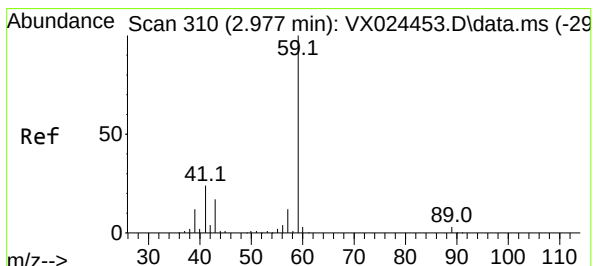
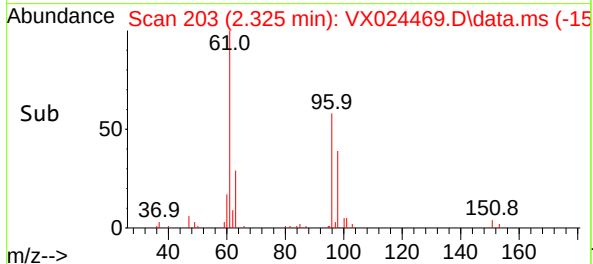
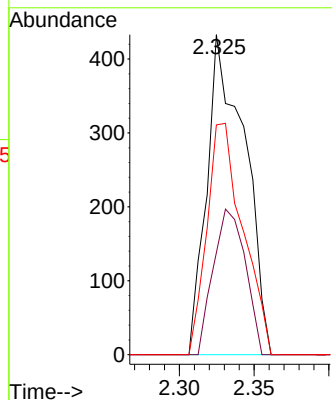
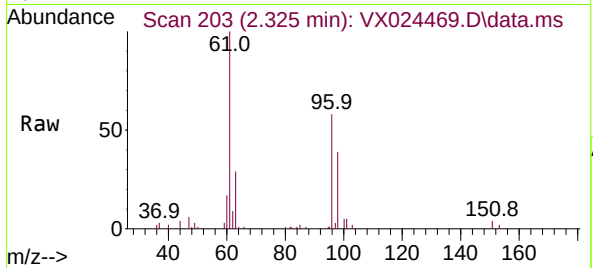




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.600 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

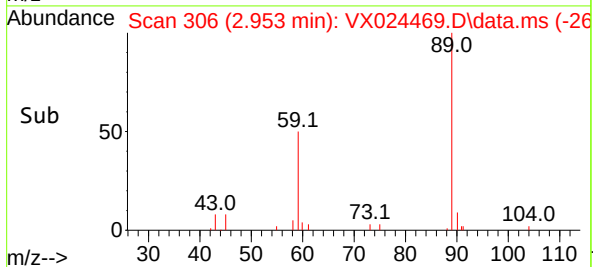
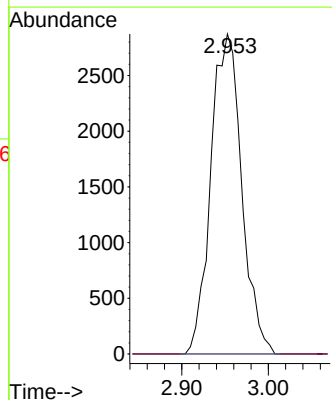
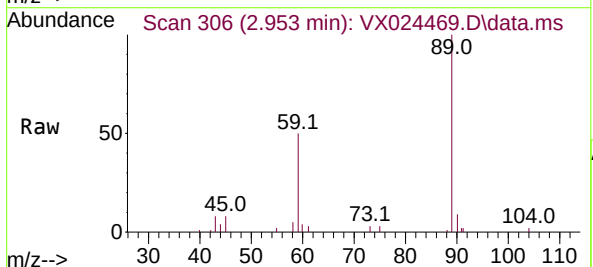
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20210919DL

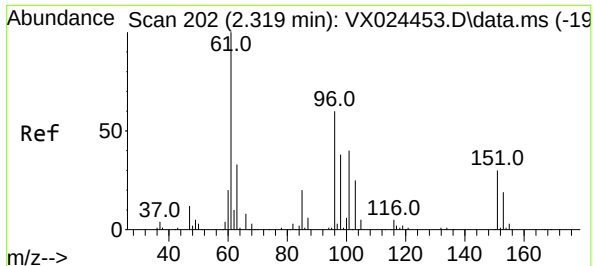
Tgt Ion:101 Resp: 759
Ion Ratio Lower Upper
101 100
85 38.7 34.9 52.3
151 68.9 61.4 92.2



#11
Tert butyl alcohol
Concen: 4.804 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

Tgt Ion: 59 Resp: 7114
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 7.005 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX024469.D

Acq: 23 Sep 2021 23:10

Tgt Ion: 96 Resp: 8231

Ion Ratio Lower Upper

96 100

61 172.3 124.6 187.0

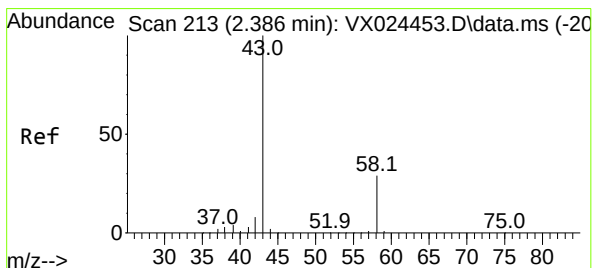
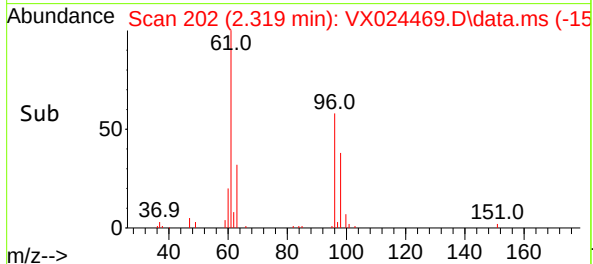
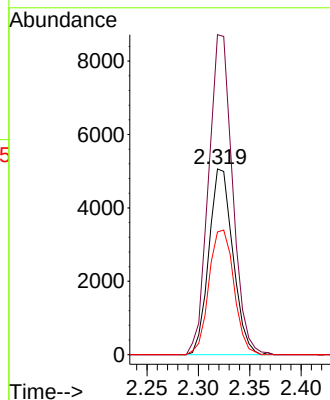
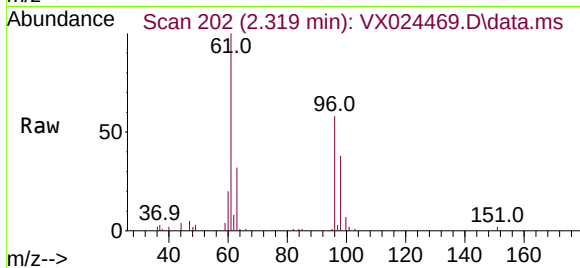
98 66.1 50.6 76.0

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20210919DL



#16

Acetone

Concen: Below Cal

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX024469.D

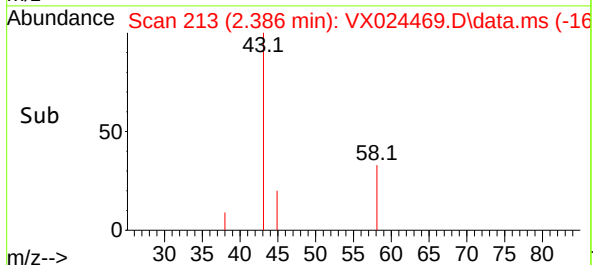
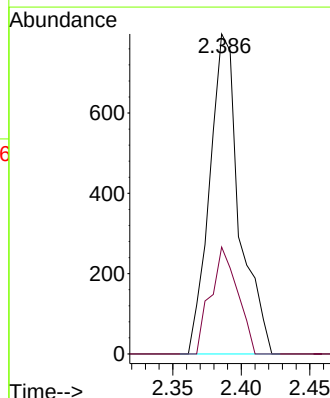
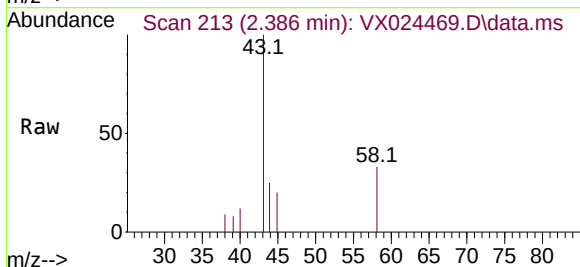
Acq: 23 Sep 2021 23:10

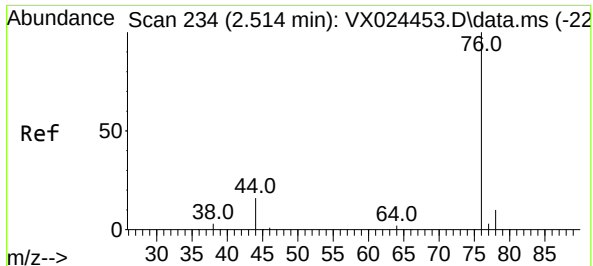
Tgt Ion: 43 Resp: 1204

Ion Ratio Lower Upper

43 100

58 33.4 27.8 41.8

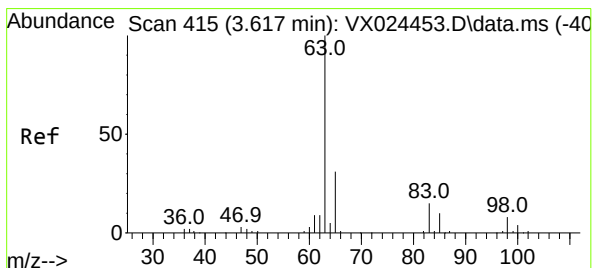
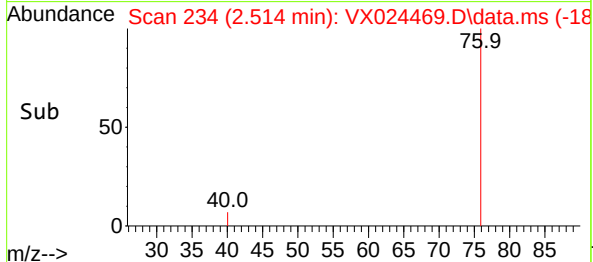
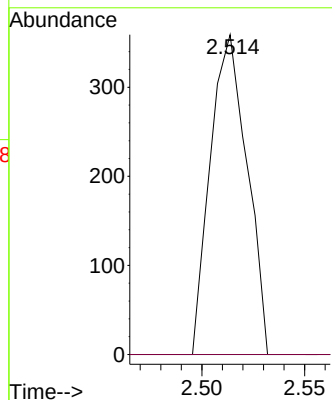
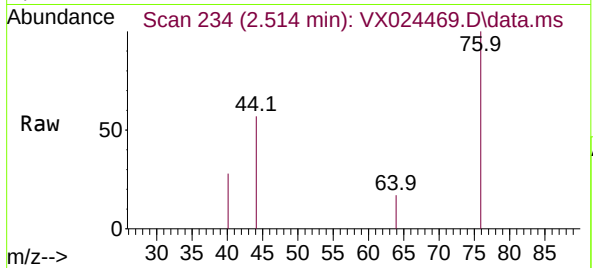




#17
Carbon Disulfide
Concen: 0.374 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

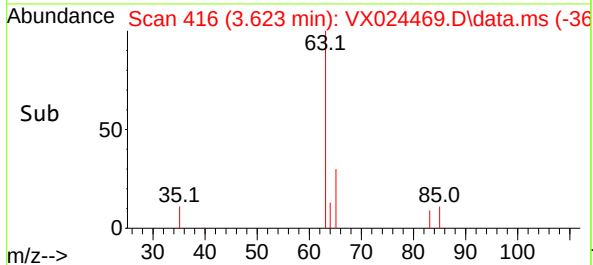
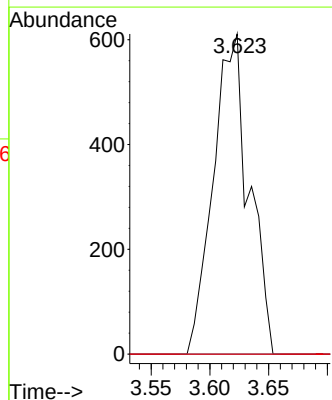
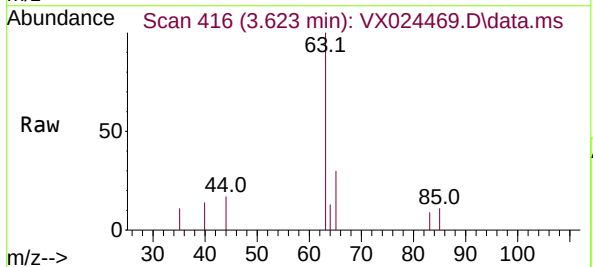
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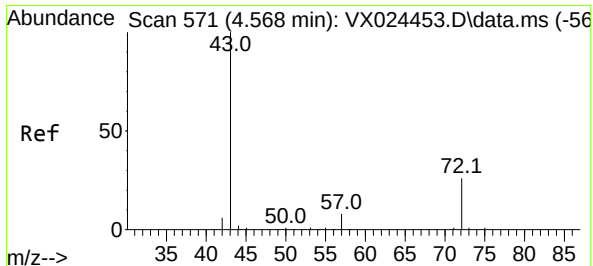
Tgt Ion: 76 Resp: 446
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#24
1,1-Dichloroethane
Concen: 0.532 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.006 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

Tgt Ion: 63 Resp: 1296
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#

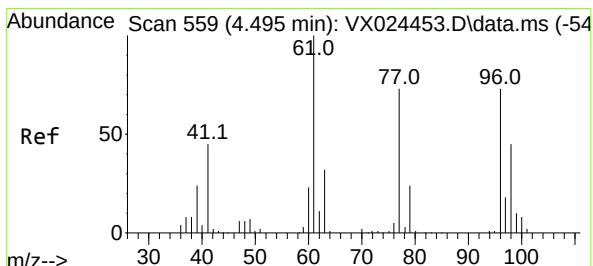
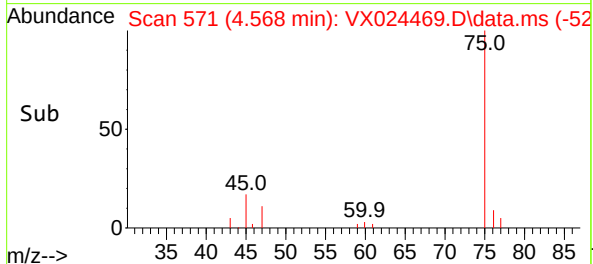
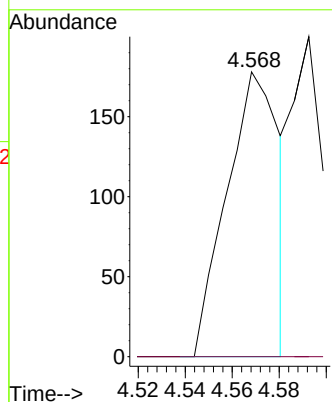
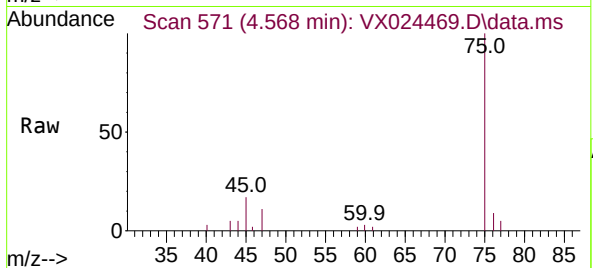




#25
2-Butanone
Concen: 0.221 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

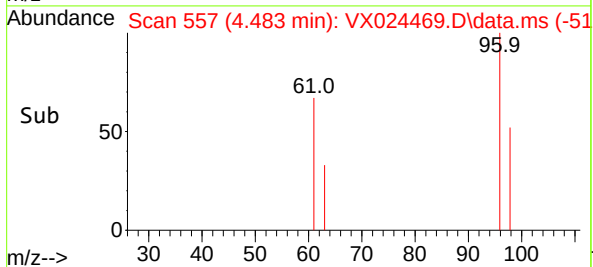
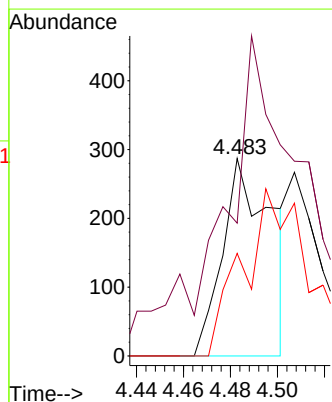
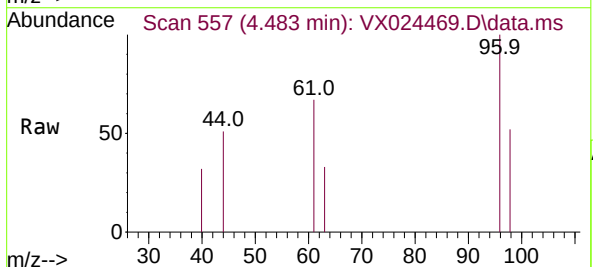
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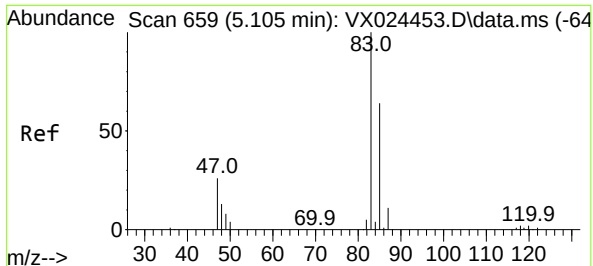
Tgt Ion: 43 Resp: 275
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 0.265 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.012 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

Tgt Ion: 96 Resp: 414
Ion Ratio Lower Upper
96 100
61 264.5 0.0 285.6
98 109.7 0.0 129.6





#30

Chloroform

Concen: 0.653 ug/l

RT: 5.099 min Scan# 658

Delta R.T. -0.006 min

Lab File: VX024469.D

Acq: 23 Sep 2021 23:10

Tgt Ion: 83 Resp: 1758

Ion Ratio Lower Upper

83 100

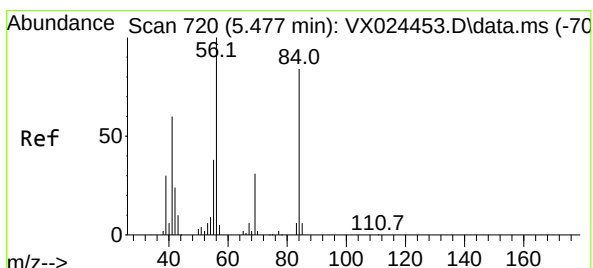
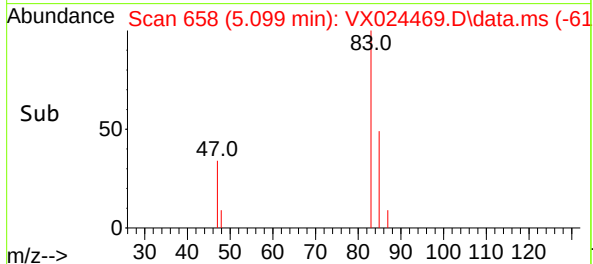
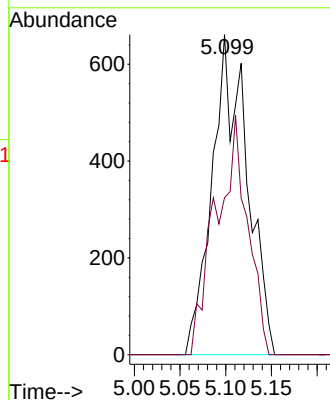
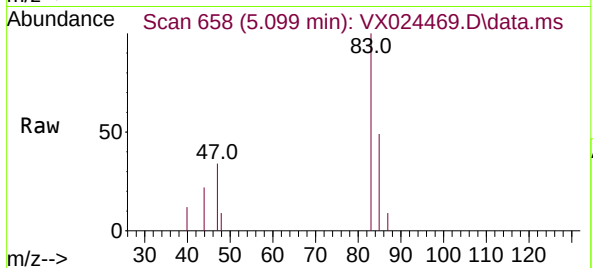
85 49.0 52.0 78.0#

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20210919DL



#31

Cyclohexane

Concen: 1.221 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.091 min

Lab File: VX024469.D

Acq: 23 Sep 2021 23:10

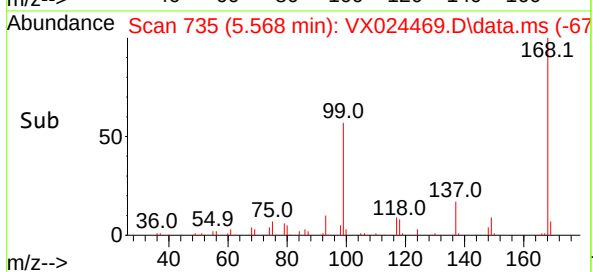
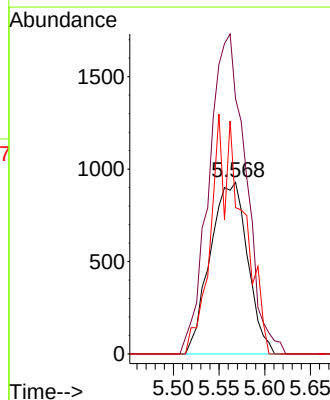
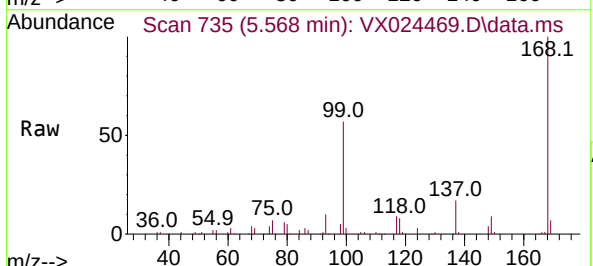
Tgt Ion: 56 Resp: 2641

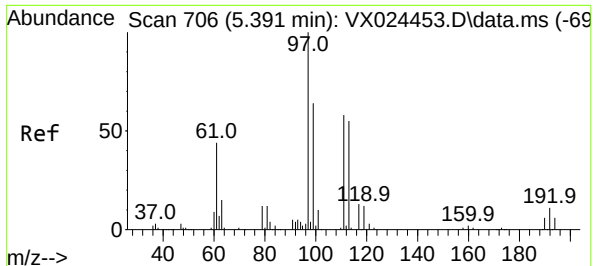
Ion Ratio Lower Upper

56 100

69 148.5 25.3 37.9#

84 85.3 71.4 107.0



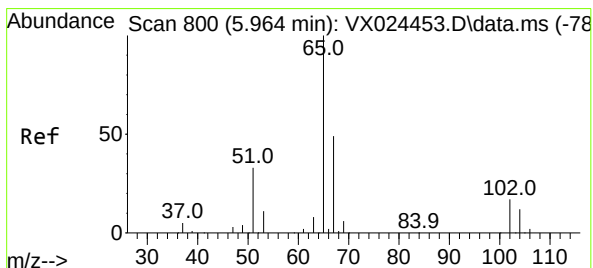
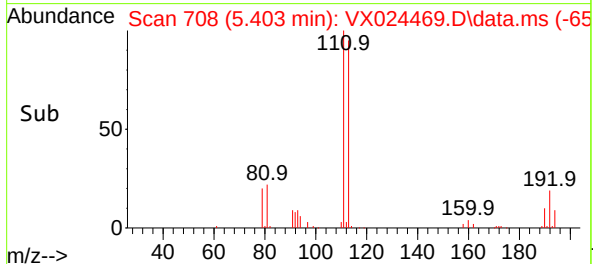
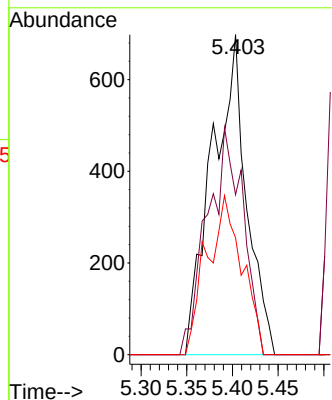
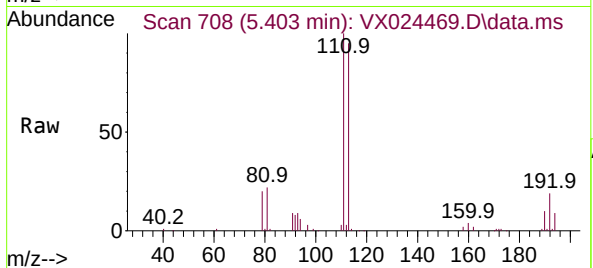


#32

1,1,1-Trichloroethane
Concen: 0.766 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.012 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20210919DL

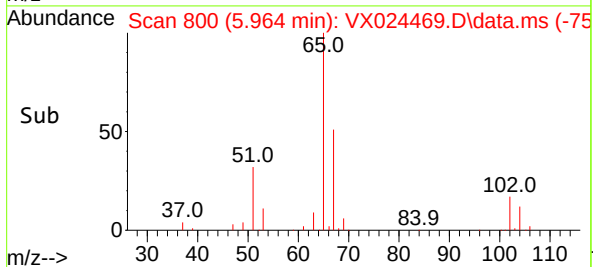
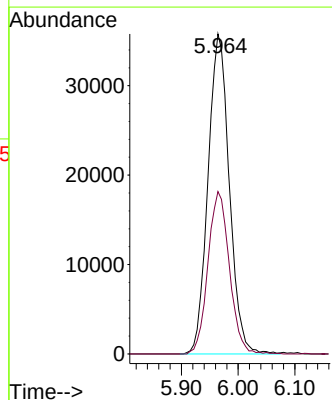
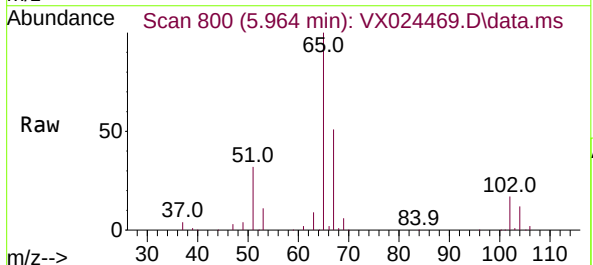
Tgt Ion: 97 Resp: 1831
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 51.0 34.2 51.4

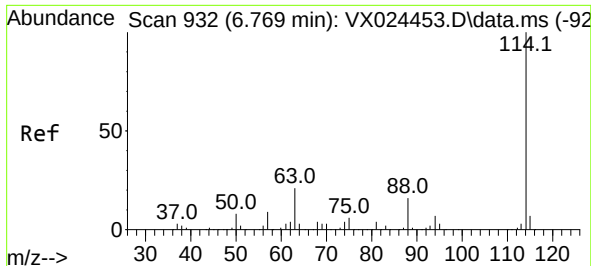


#33

1,2-Dichloroethane-d4
Concen: 51.679 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

Tgt Ion: 65 Resp: 93356
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.4

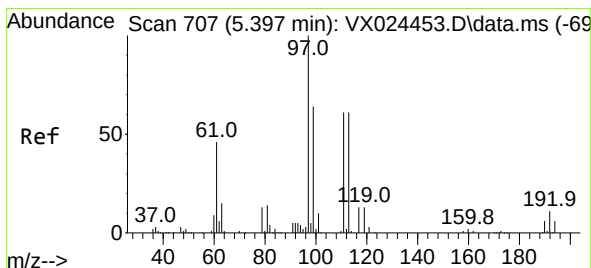
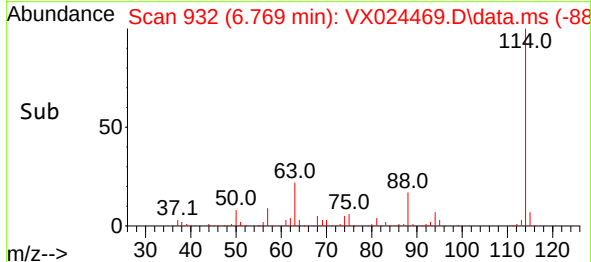
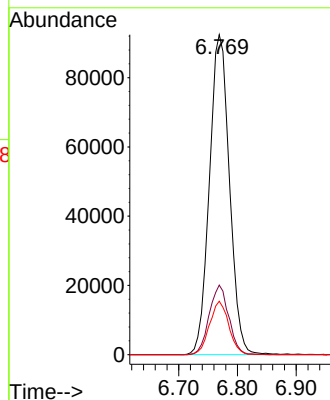
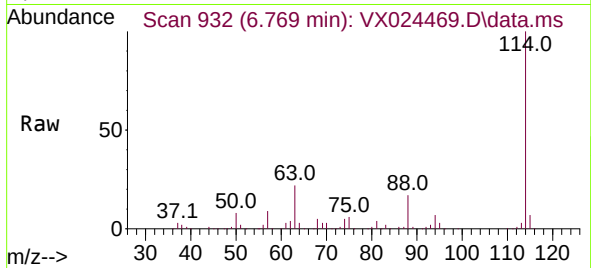




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

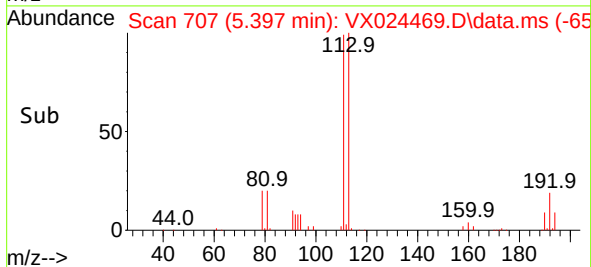
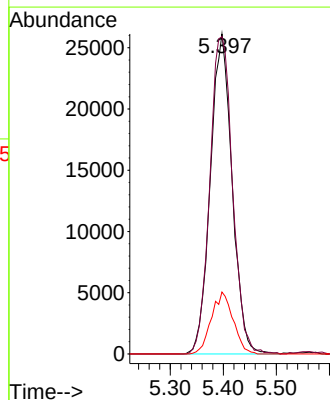
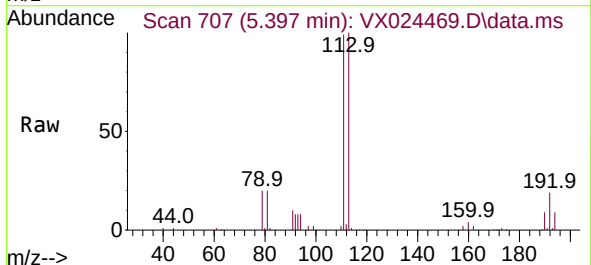
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20210919DL

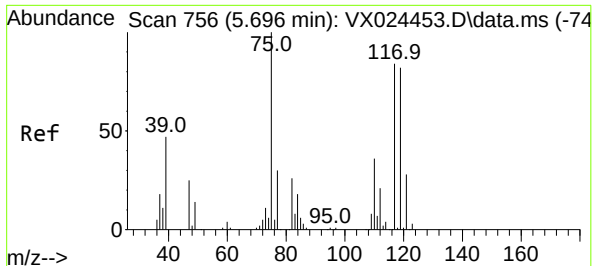
Tgt Ion:114 Resp: 218961
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.137 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

Tgt Ion:113 Resp: 74384
Ion Ratio Lower Upper
113 100
111 103.6 81.9 122.9
192 19.4 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.904 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX024469.D

Acq: 23 Sep 2021 23:10

Tgt Ion: 75 Resp: 10293

Ion Ratio Lower Upper

75 100

110 4.3 18.1 54.4#

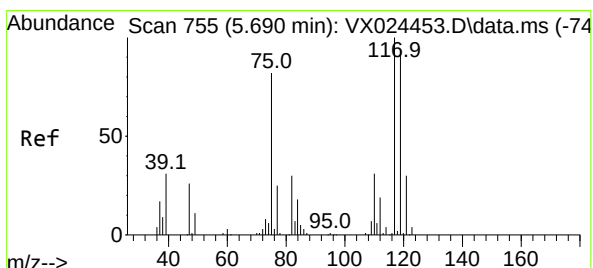
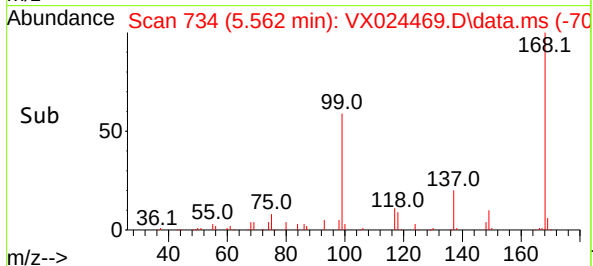
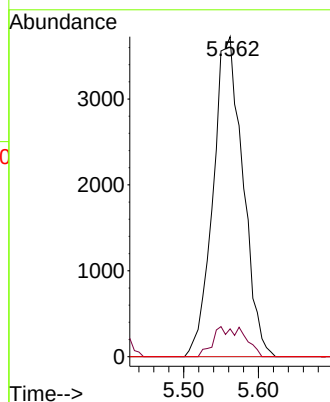
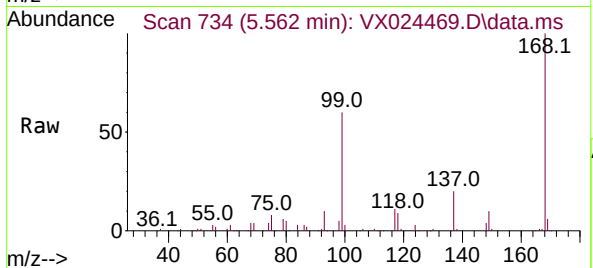
77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20210919DL



#38

Carbon Tetrachloride

Concen: 5.914 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX024469.D

Acq: 23 Sep 2021 23:10

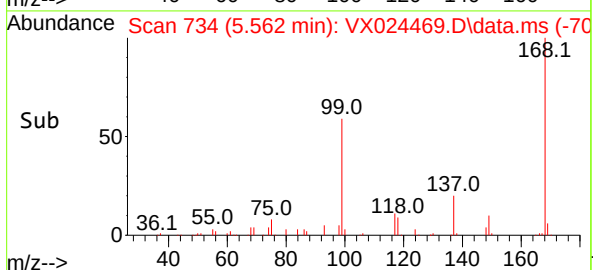
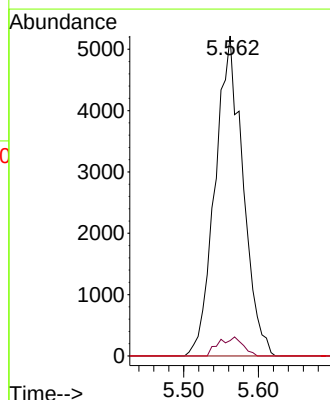
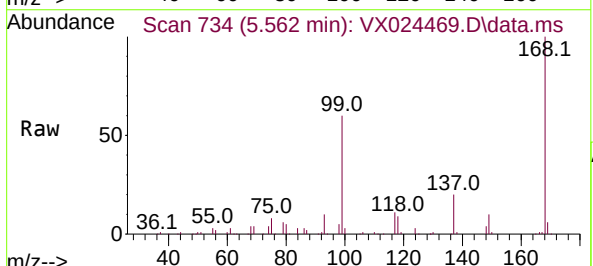
Tgt Ion: 117 Resp: 13512

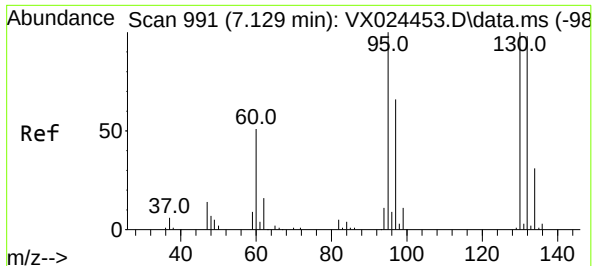
Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.2#

121 0.0 24.8 37.2#

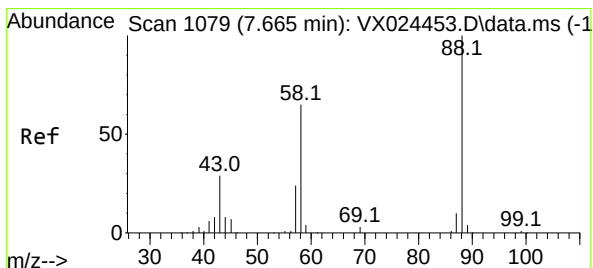
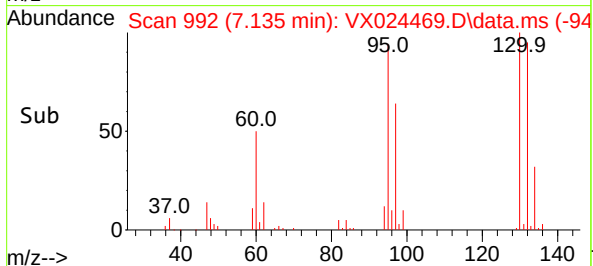
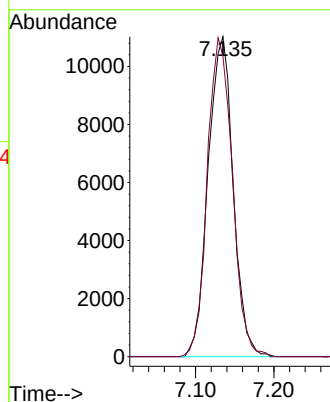
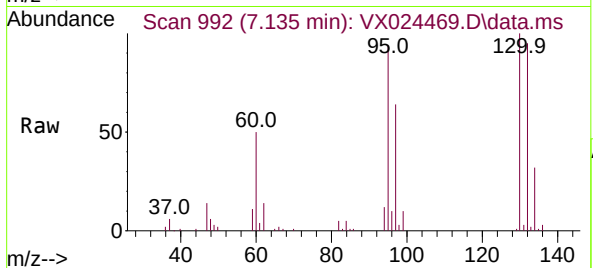




#44
Trichloroethene
Concen: 14.797 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

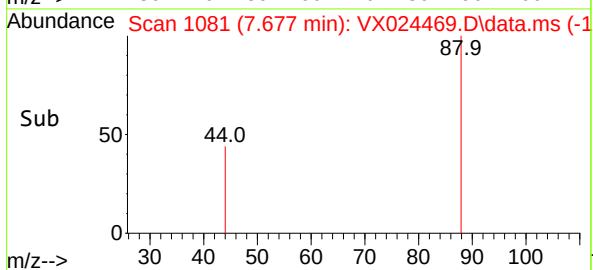
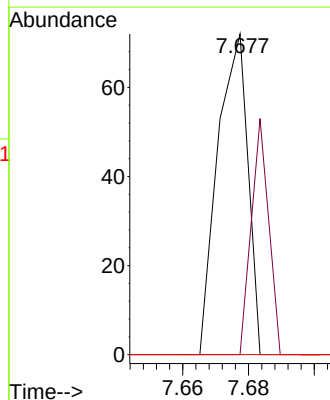
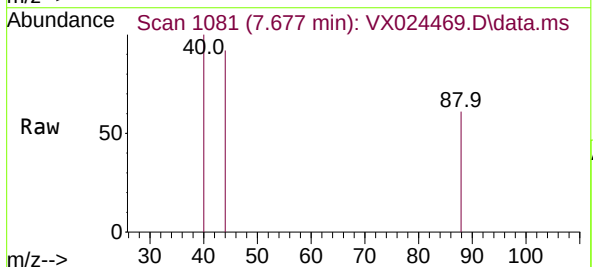
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20210919DL

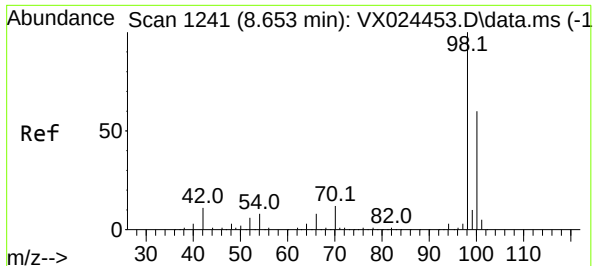
Tgt Ion:130 Resp: 24436
Ion Ratio Lower Upper
130 100
95 93.9 0.0 198.0



#49
1,4-Dioxane
Concen: 1.018 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 41.3 23.2 34.8#
58 0.0 55.0 82.4#

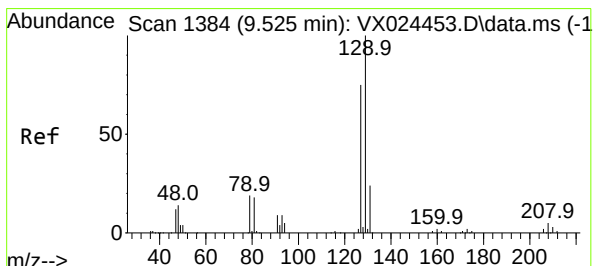
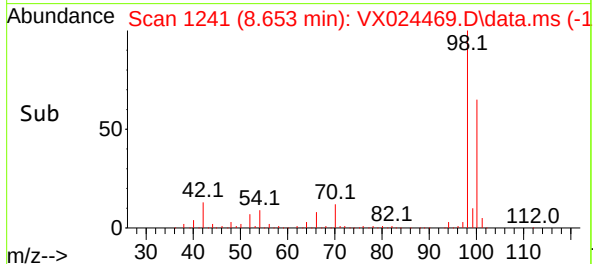
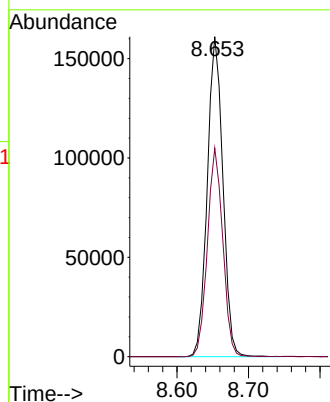
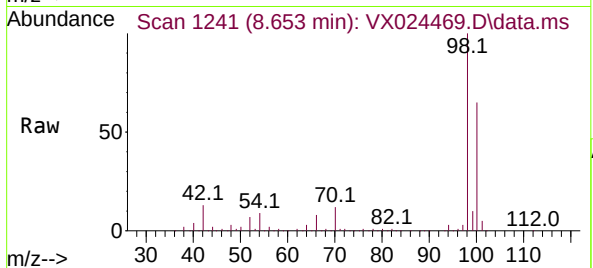




#50
Toluene-d8
Concen: 45.557 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

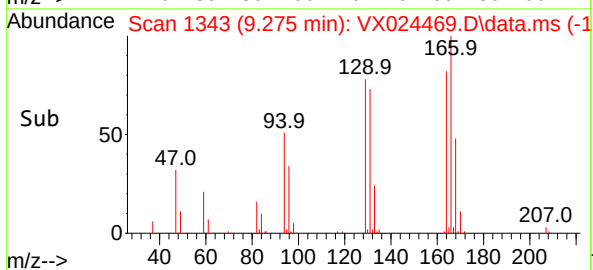
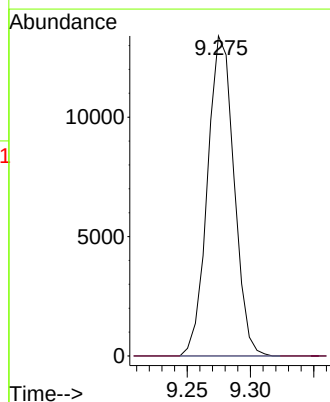
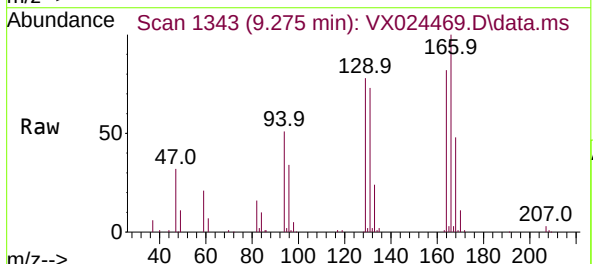
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20210919DL

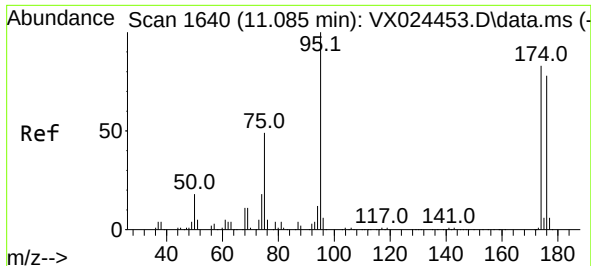
Tgt Ion: 98 Resp: 243903
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#60
Dibromochloromethane
Concen: 11.668 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

Tgt Ion:129 Resp: 19530
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

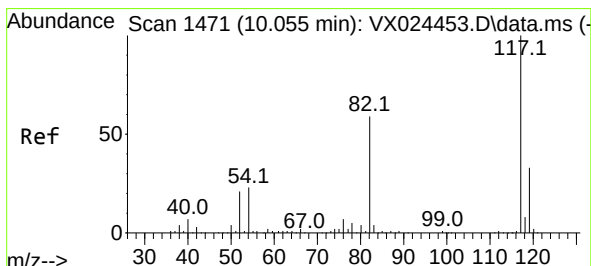
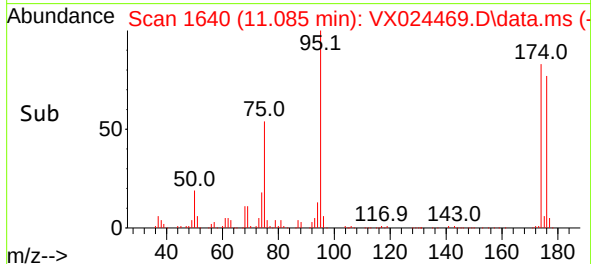
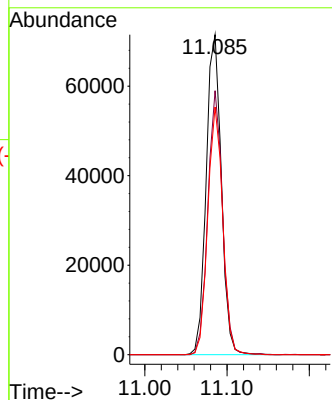
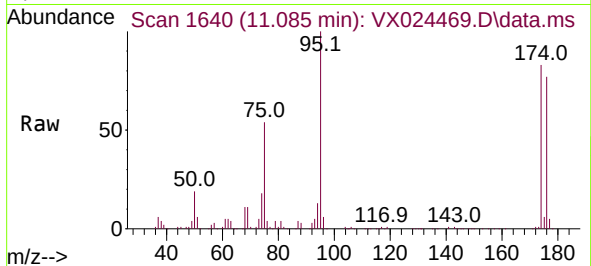




#62
4-Bromofluorobenzene
Concen: 43.491 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

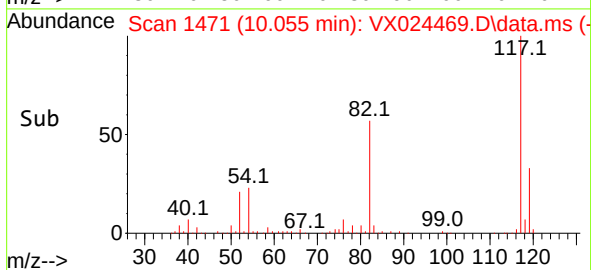
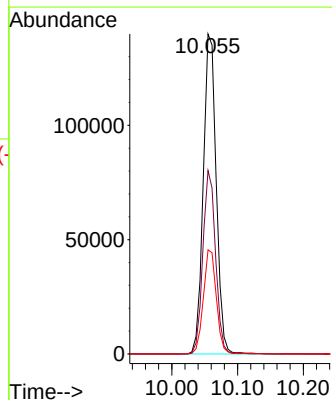
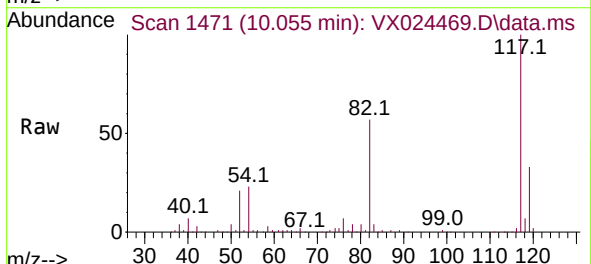
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20210919DL

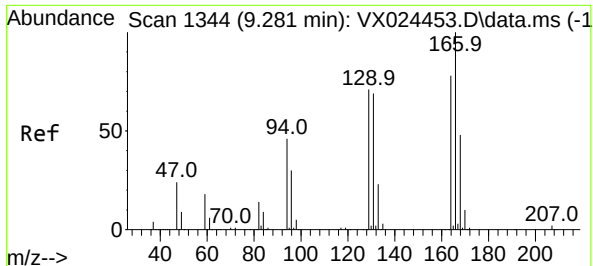
Tgt Ion: 95 Resp: 91548
Ion Ratio Lower Upper
95 100
174 80.1 0.0 154.6
176 76.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

Tgt Ion: 117 Resp: 191582
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 32.5 26.6 39.8

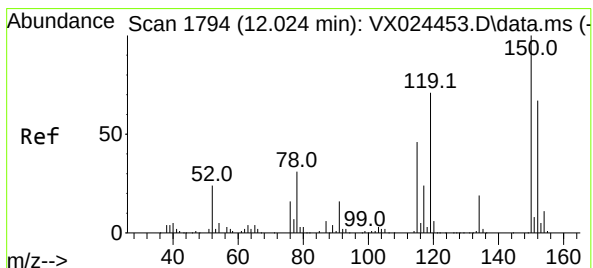
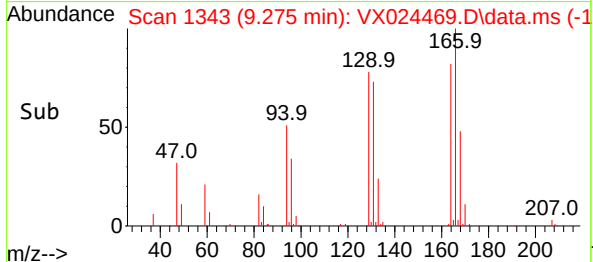
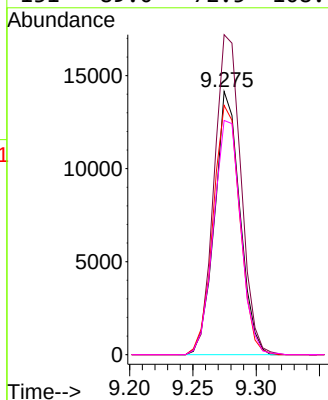
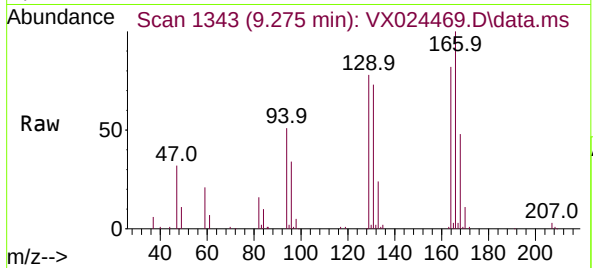




#64
Tetrachloroethene
Concen: 14.821 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.006 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

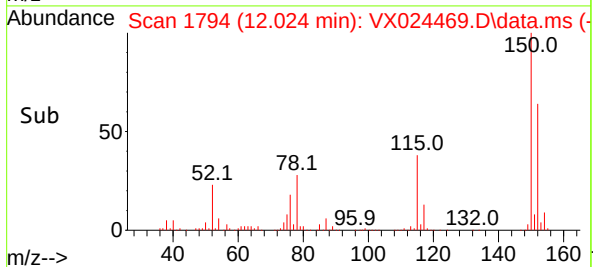
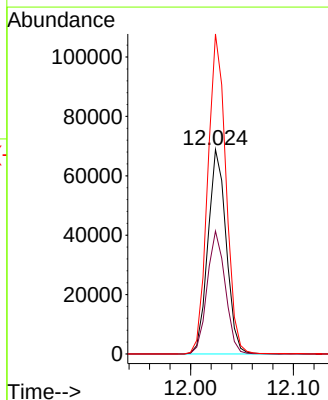
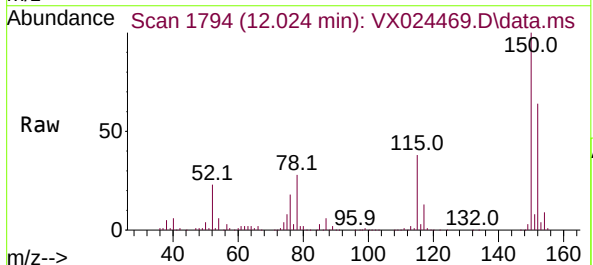
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20210919DL

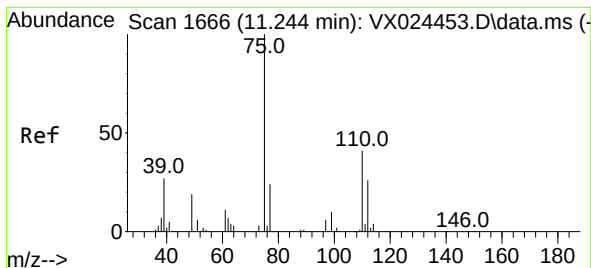
Tgt Ion:164	Resp:	19652
Ion Ratio	Lower	Upper
164	100	
166	121.6	103.4 155.2
129	94.8	70.8 106.2
131	89.0	72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024469.D
Acq: 23 Sep 2021 23:10

Tgt Ion:152	Resp:	84709
Ion Ratio	Lower	Upper
152	100	
115	59.7	41.1 123.3
150	156.2	0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 25.590 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX024469.D

Acq: 23 Sep 2021 23:10

Tgt Ion: 75 Resp: 49228

Ion Ratio Lower Upper

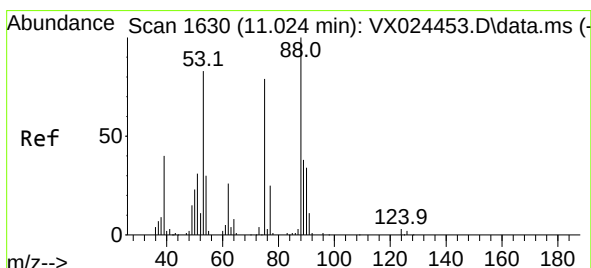
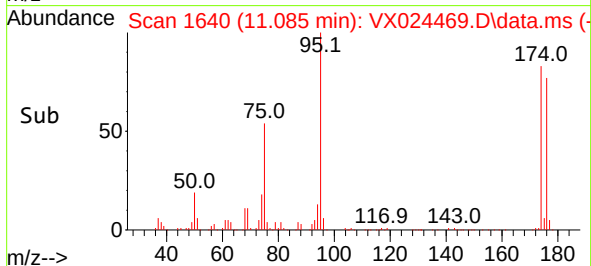
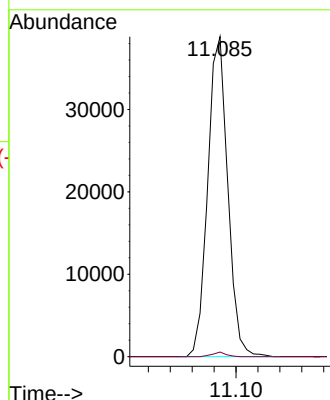
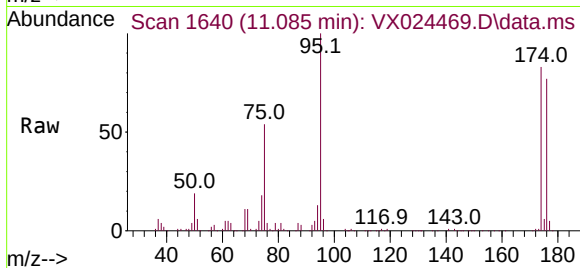
75 100
77 1.0 19.1 57.5#

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20210919DL



#81

trans-1,4-Dichloro-2-butene

Concen: 69.738 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.061 min

Lab File: VX024469.D

Acq: 23 Sep 2021 23:10

Tgt Ion: 75 Resp: 49228

Ion Ratio Lower Upper

75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

