

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091621\
 Data File : VX024281.D
 Acq On : 16 Sep 2021 12:24
 Operator : JC/MD
 Sample : M3753-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1RE

Quant Time: Sep 22 08:59:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 21 10:52:48 2021
 Response via : Initial Calibration

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

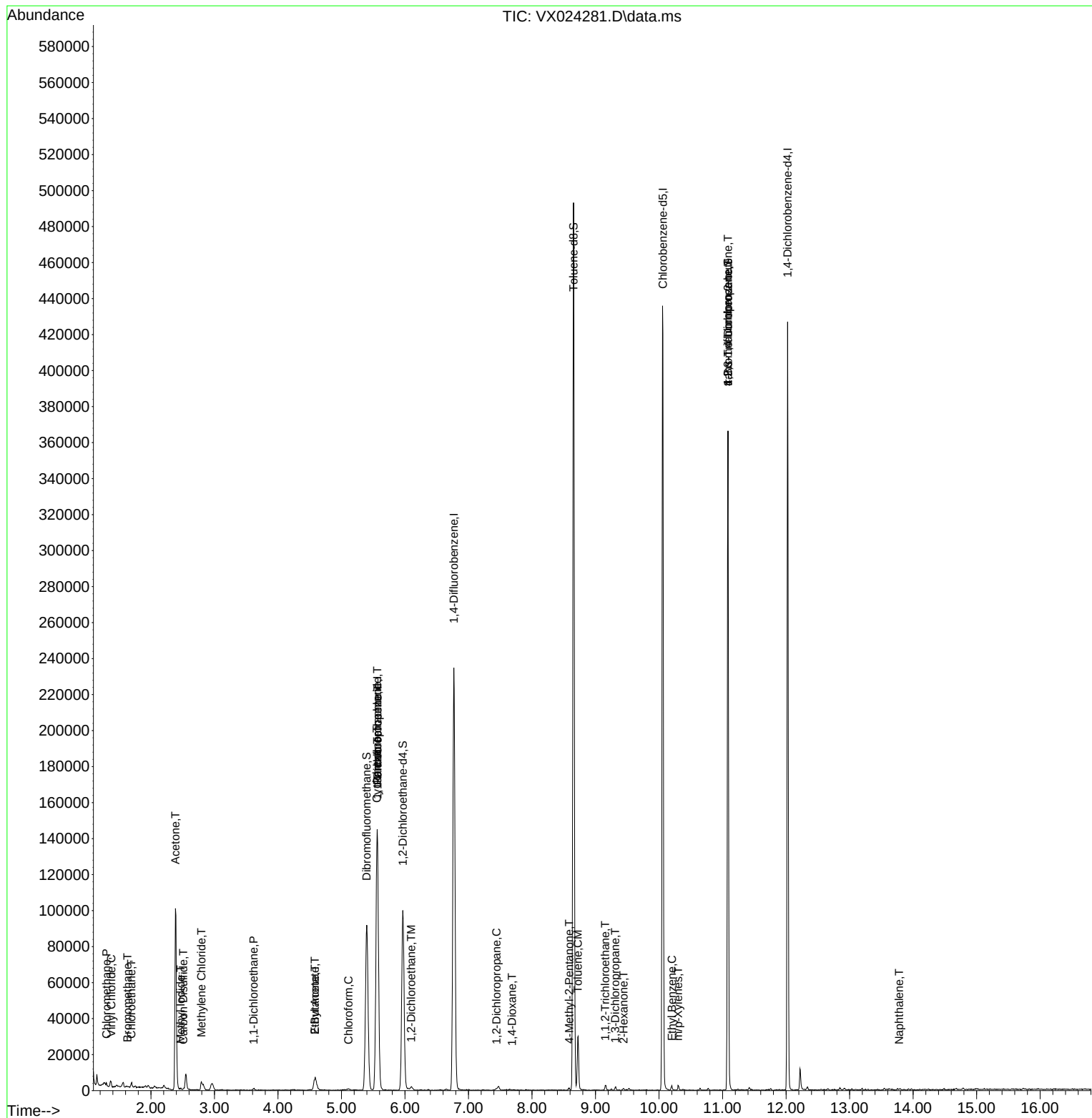
Internal Standards						
1) Pentafluorobenzene	5.562	168	132236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	231434	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	196277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100864	53.490	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 106.980%		
35) Dibromofluoromethane	5.397	113	78311	50.455	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.920%		
50) Toluene-d8	8.653	98	282906	50.034	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 100.060%		
62) 4-Bromofluorobenzene	11.085	95	90573	41.162	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 82.320%#		
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	1065	0.802	ug/l	91
4) Vinyl Chloride	1.374	62	385	0.291	ug/l	92
5) Bromomethane	1.630	94	495	0.629	ug/l #	51
6) Chloroethane	1.691	64	1459	1.672	ug/l	96
10) Methyl Iodide	2.465	142	844	0.469	ug/l #	81
11) Tert butyl alcohol	2.965	59	3980	Below Cal	#	73
16) Acetone	2.386	43	107340	133.503	ug/l	88
17) Carbon Disulfide	2.507	76	832	0.272	ug/l #	75
20) Methylene Chloride	2.794	84	2183	1.414	ug/l #	90
24) 1,1-Dichloroethane	3.617	63	1268	0.497	ug/l #	81
25) 2-Butanone	4.580	43	5984	5.053	ug/l #	86
30) Chloroform	5.111	83	973	0.358	ug/l #	80
31) Cyclohexane	5.556	56	2956	1.340	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	10675	5.017	ug/l #	50
37) Ethyl Acetate	4.580	43	5984	2.414	ug/l #	68
38) Carbon Tetrachloride	5.562	117	13557	5.661	ug/l #	17
42) 1,2-Dichloroethane	6.098	62	2230	0.876	ug/l	81
45) 1,2-Dichloropropane	7.440	63	326	0.202	ug/l	99
49) 1,4-Dioxane	7.683	88	49	1.188	ug/l #	24
51) 4-Methyl-2-Pentanone	8.586	43	739	0.294	ug/l #	85
52) Toluene	8.720	92	10915	2.729	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	900	0.528	ug/l	88
57) 1,3-Dichloropropane	9.311	76	743	0.268	ug/l #	81
59) 2-Hexanone	9.439	43	655	0.334	ug/l	85
67) Ethyl Benzene	10.201	91	1595	0.226	ug/l	94
68) m/p-Xylenes	10.299	106	766	0.283	ug/l	88
76) 1,2,3-Trichloropropane	11.085	75	49769	25.812	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	49769	75.913	ug/l #	12
95) Naphthalene	13.780	128	486	1.366	ug/l #	75

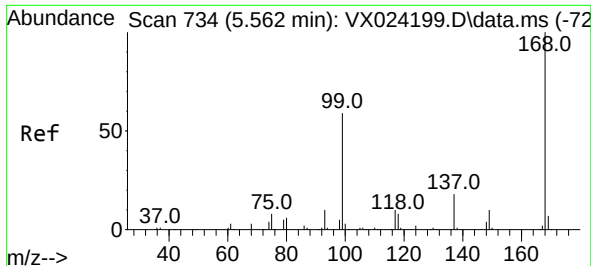
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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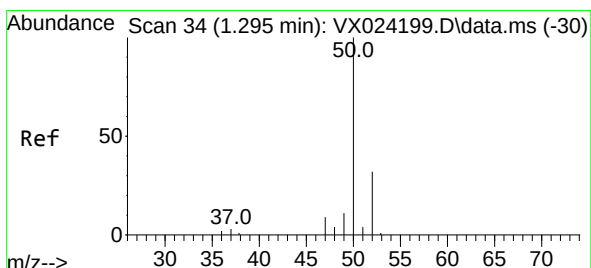
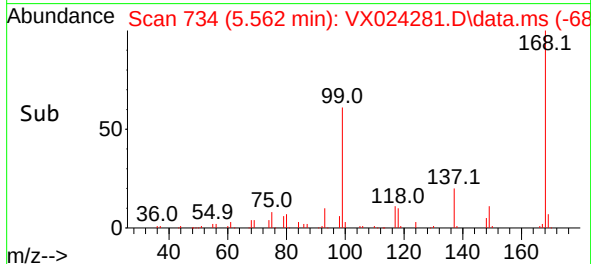
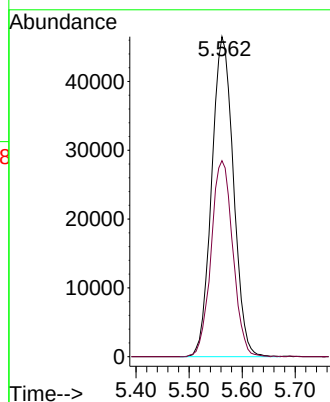
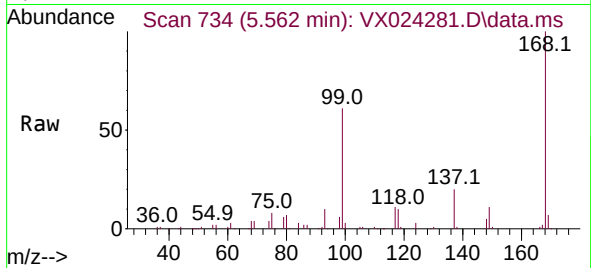




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

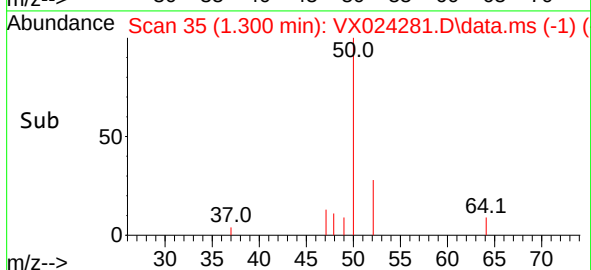
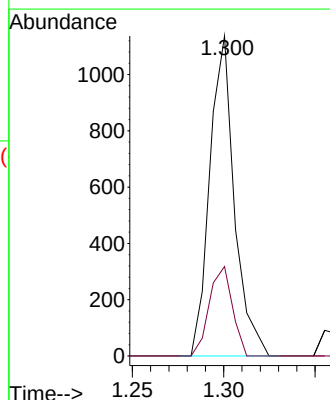
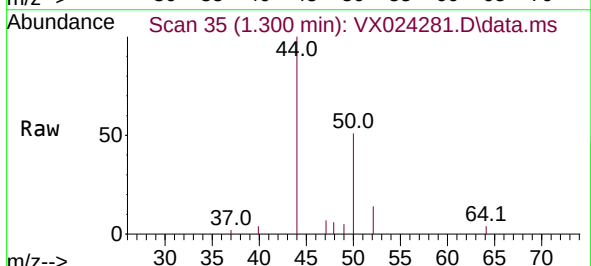
Instrument :
MSVOA_X
ClientSampleId :
MW-1RE

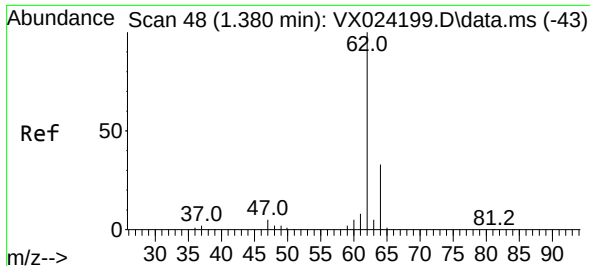
Tgt Ion:168 Resp: 132236
Ion Ratio Lower Upper
168 100
99 61.3 45.8 68.6



#3
Chloromethane
Concen: 0.802 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.005 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

Tgt Ion: 50 Resp: 1065
Ion Ratio Lower Upper
50 100
52 28.0 26.4 39.6

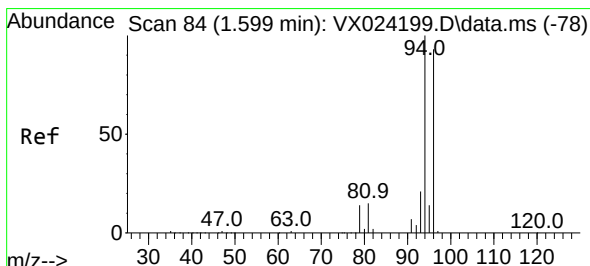
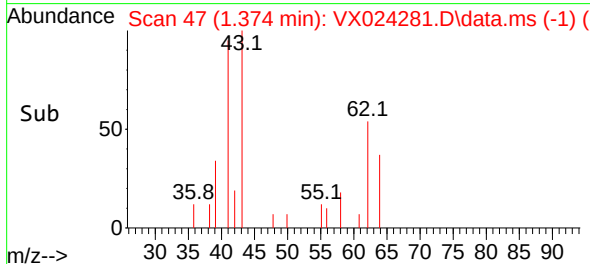
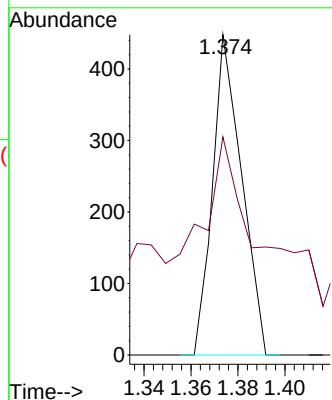
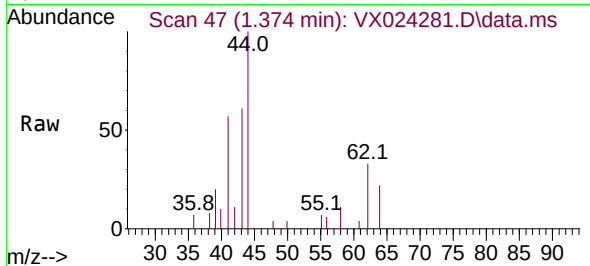




#4
 Vinyl Chloride
 Concen: 0.291 ug/l
 RT: 1.374 min Scan# 47
 Delta R.T. -0.006 min
 Lab File: VX024281.D
 Acq: 16 Sep 2021 12:24

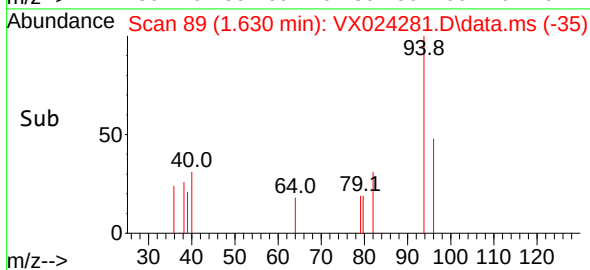
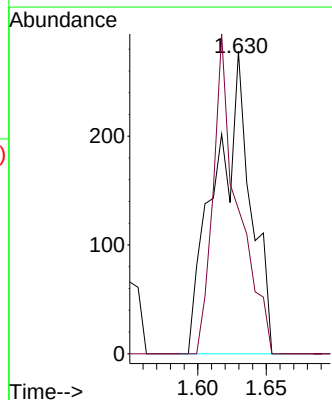
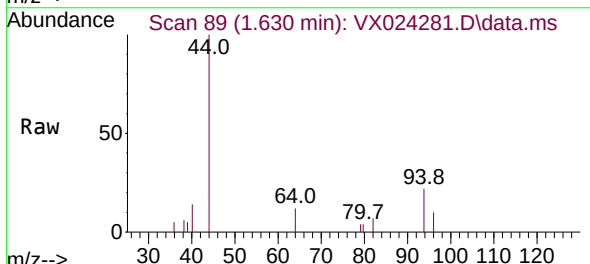
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1RE

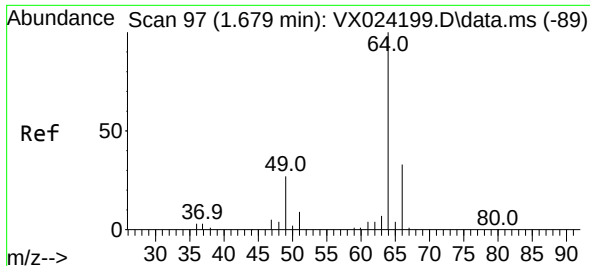
Tgt Ion: 62 Resp: 385
 Ion Ratio Lower Upper
 62 100
 64 36.6 25.7 38.5



#5
 Bromomethane
 Concen: 0.629 ug/l
 RT: 1.630 min Scan# 89
 Delta R.T. 0.031 min
 Lab File: VX024281.D
 Acq: 16 Sep 2021 12:24

Tgt Ion: 94 Resp: 495
 Ion Ratio Lower Upper
 94 100
 96 47.8 76.4 114.6#

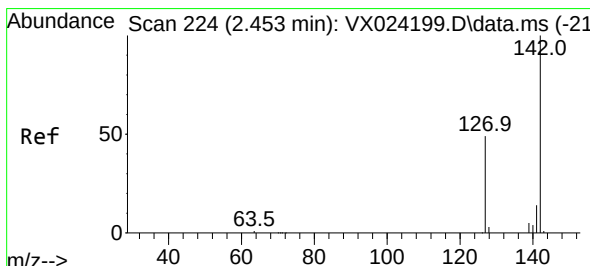
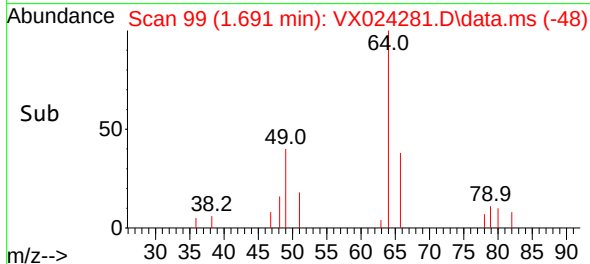
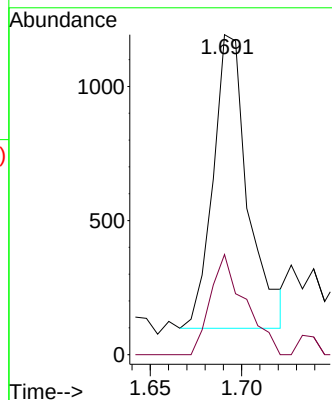
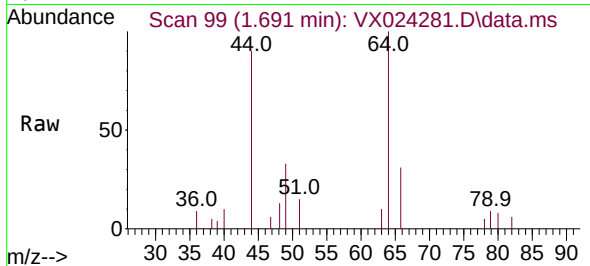




#6
Chloroethane
Concen: 1.672 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

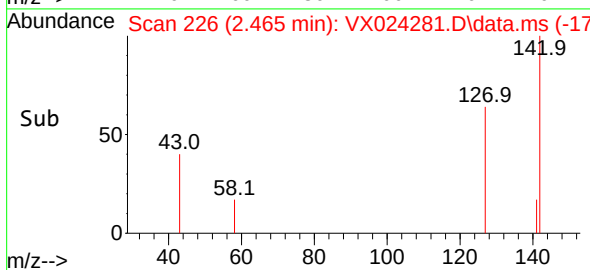
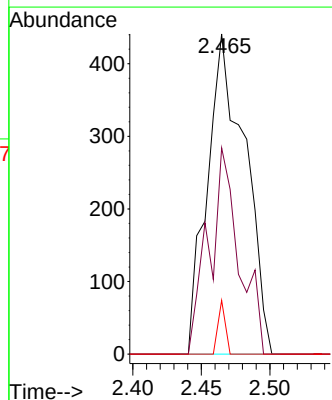
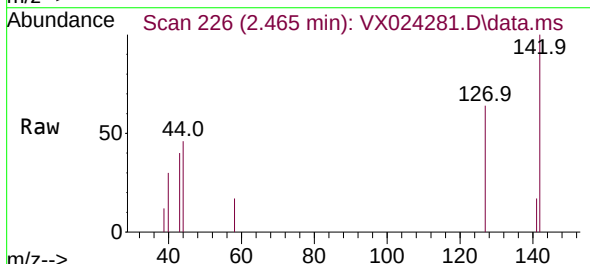
Instrument :
MSVOA_X
ClientSampled :
MW-1RE

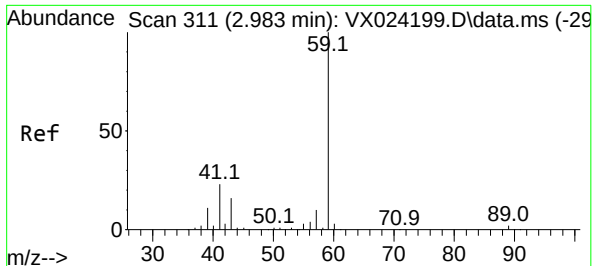
Tgt Ion: 64 Resp: 1459
Ion Ratio Lower Upper
64 100
66 34.1 25.4 38.0



#10
Methyl Iodide
Concen: 0.469 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

Tgt Ion: 142 Resp: 844
Ion Ratio Lower Upper
142 100
127 51.5 33.3 49.9#
141 3.2 11.4 17.0#



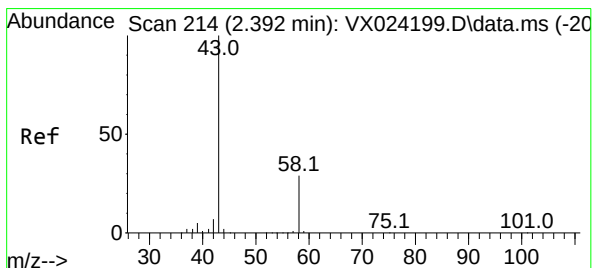
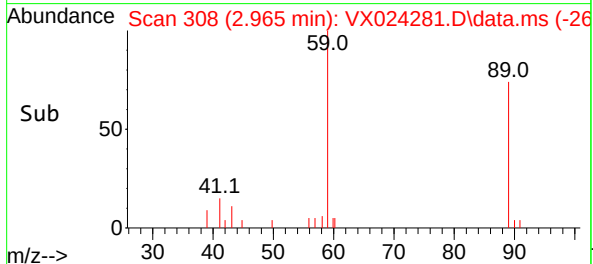
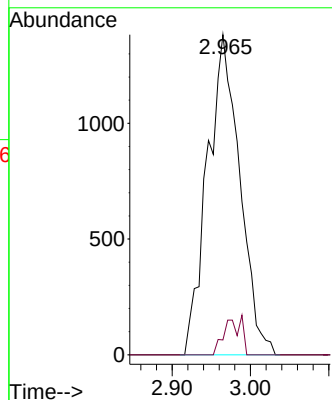
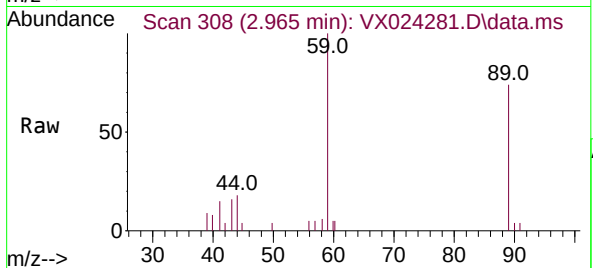


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

Instrument :
MSVOA_X
ClientSampled :
MW-1RE

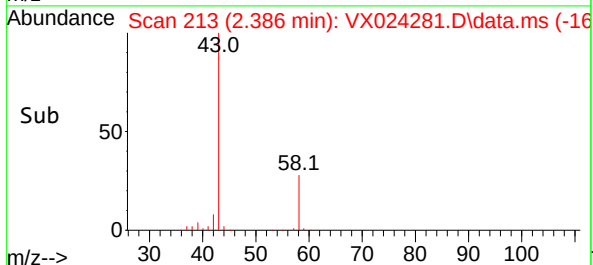
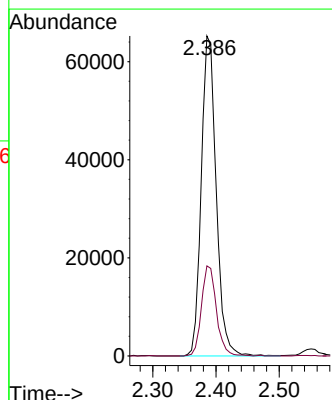
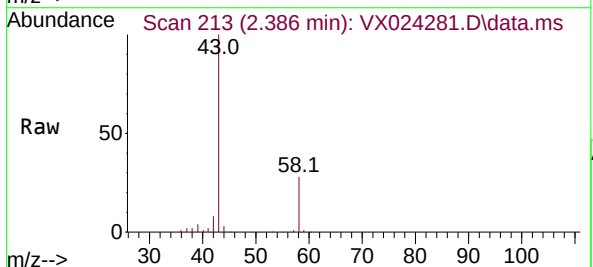
Tgt Ion: 59 Resp: 3980
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

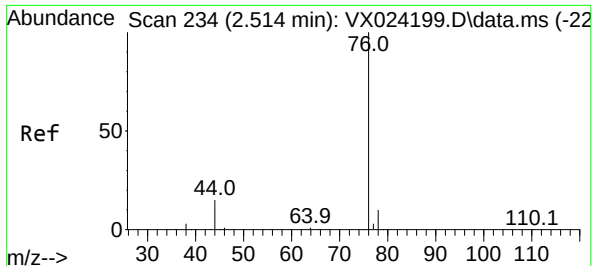


#16

Acetone
Concen: 133.503 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

Tgt Ion: 43 Resp: 107340
Ion Ratio Lower Upper
43 100
58 28.1 27.8 41.8

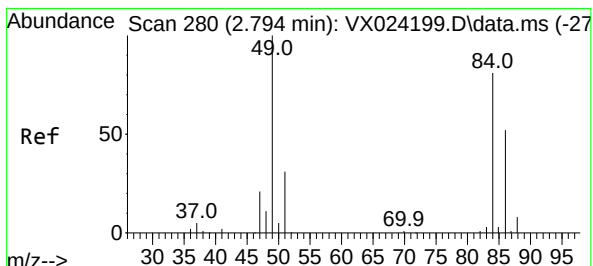
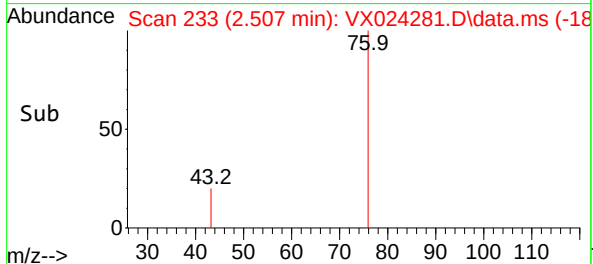
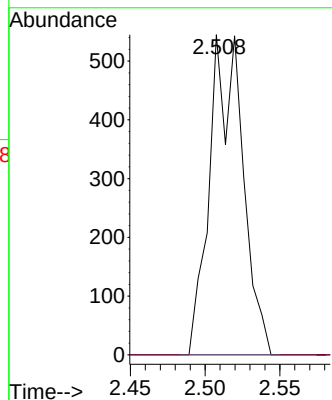
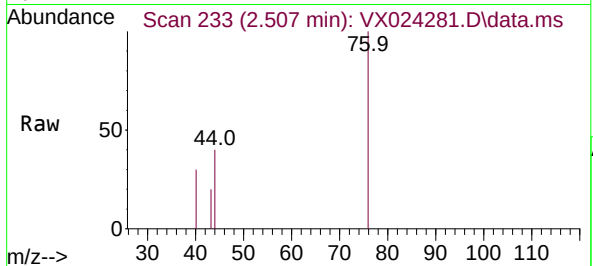




#17
Carbon Disulfide
Concen: 0.272 ug/l
RT: 2.507 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

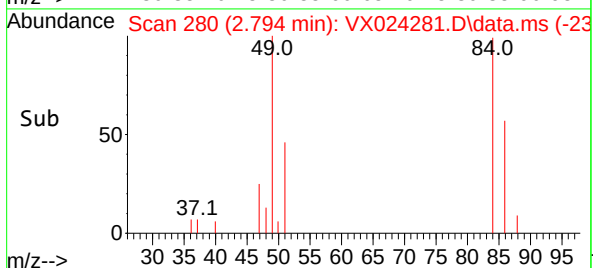
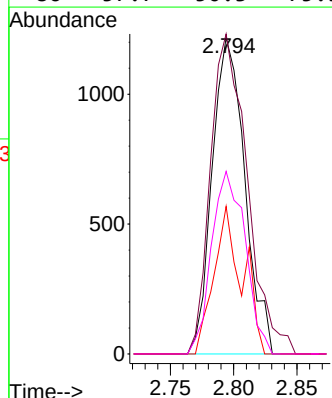
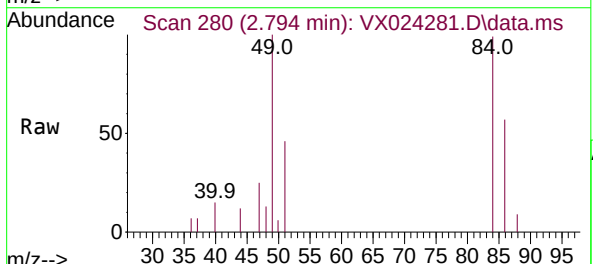
Instrument :
MSVOA_X
ClientSampleId :
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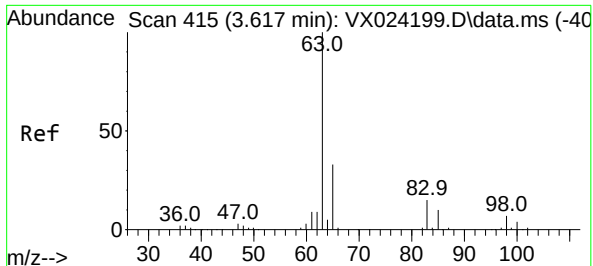
Tgt Ion: 76 Resp: 832
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 1.414 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

Tgt Ion: 84 Resp: 2183
Ion Ratio Lower Upper
84 100
49 101.1 88.6 132.8
51 46.6 27.0 40.6#
86 57.7 50.3 75.5

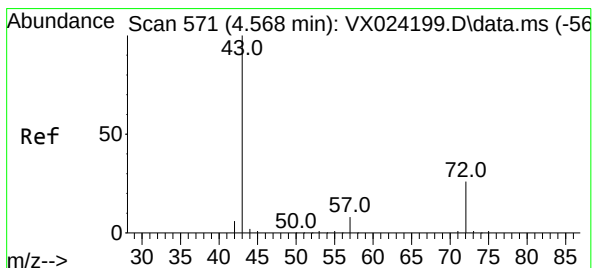
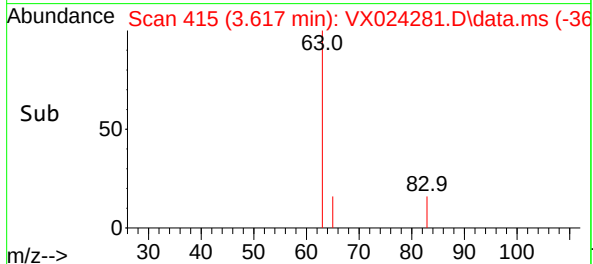
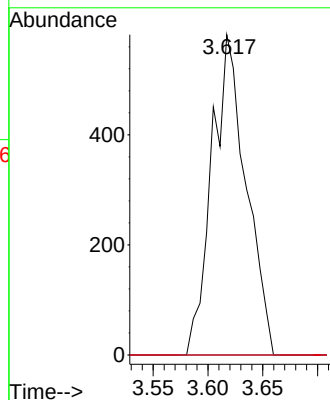
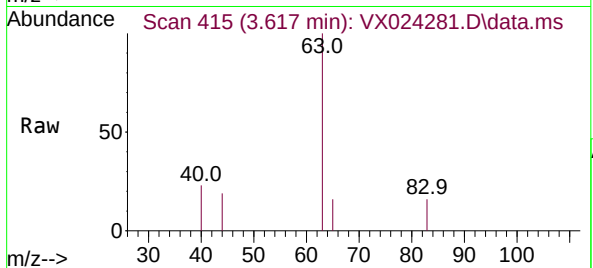




#24
1,1-Dichloroethane
Concen: 0.497 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.000 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

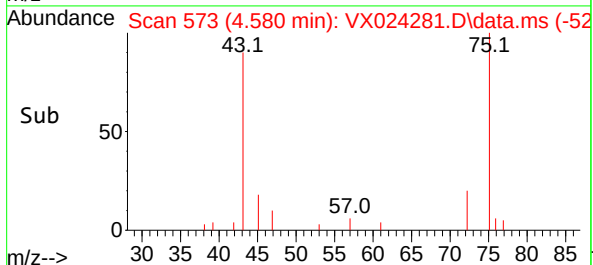
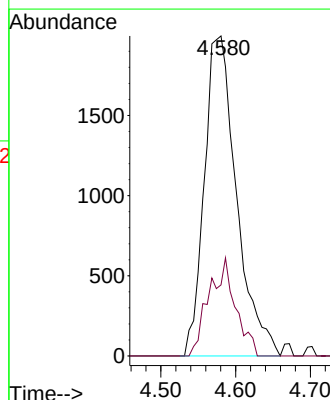
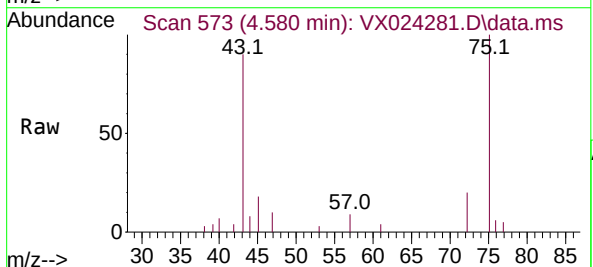
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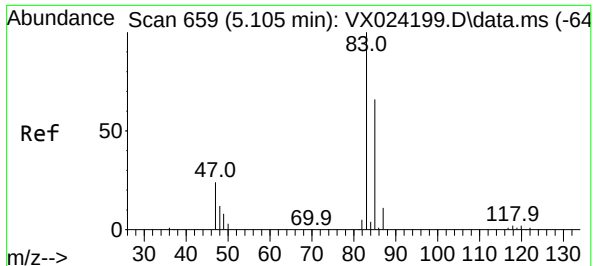
Tgt Ion: 63 Resp: 1268
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#25
2-Butanone
Concen: 5.053 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

Tgt Ion: 43 Resp: 5984
Ion Ratio Lower Upper
43 100
72 22.2 23.7 35.5#





#30

Chloroform

Concen: 0.358 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.006 min

Lab File: VX024281.D

Acq: 16 Sep 2021 12:24

Tgt Ion: 83 Resp: 973

Ion Ratio Lower Upper

83 100

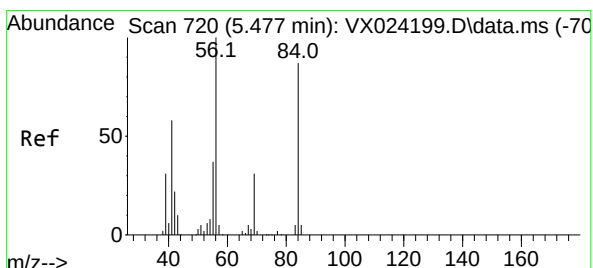
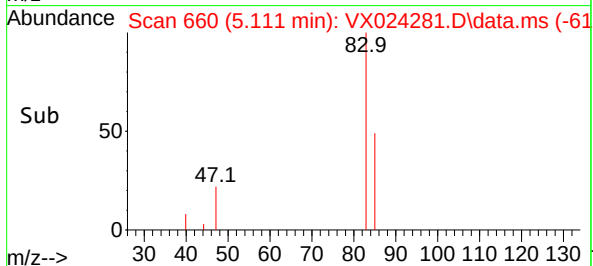
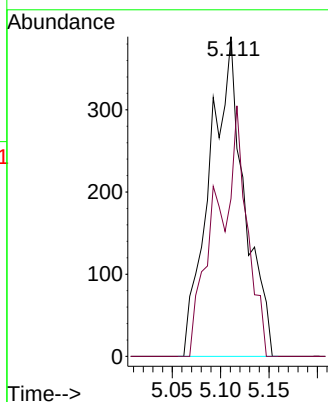
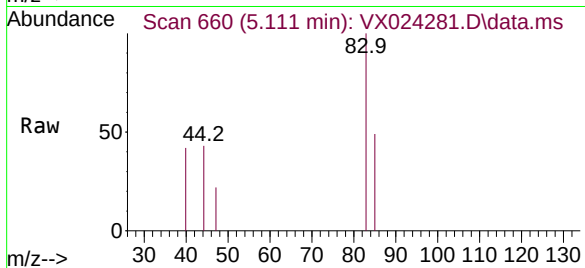
85 49.4 52.0 78.0#

Instrument :

MSVOA_X

ClientSampleId :

MW-1RE



#31

Cyclohexane

Concen: 1.340 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX024281.D

Acq: 16 Sep 2021 12:24

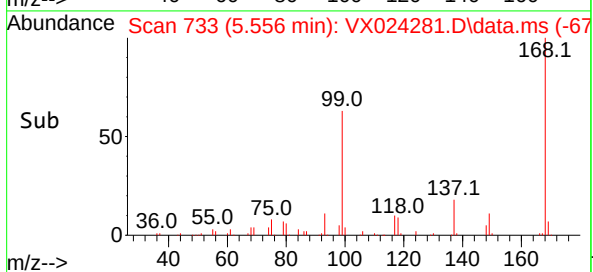
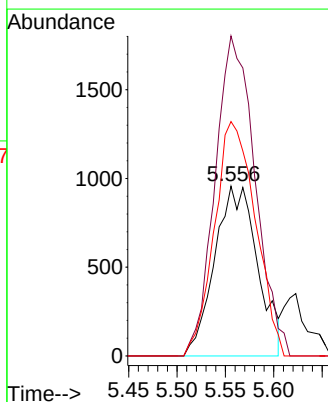
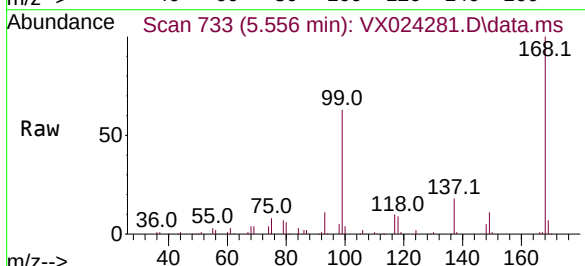
Tgt Ion: 56 Resp: 2956

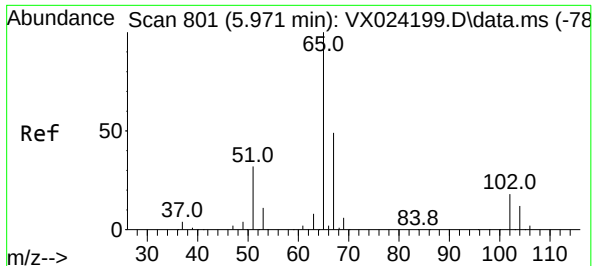
Ion Ratio Lower Upper

56 100

69 188.4 25.3 37.9#

84 138.0 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 53.490 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.007 min

Lab File: VX024281.D

Acq: 16 Sep 2021 12:24

Tgt Ion: 65 Resp: 100864

Ion Ratio Lower Upper

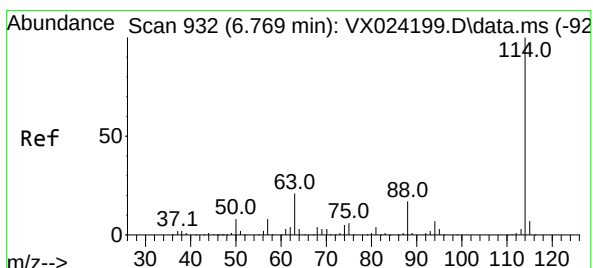
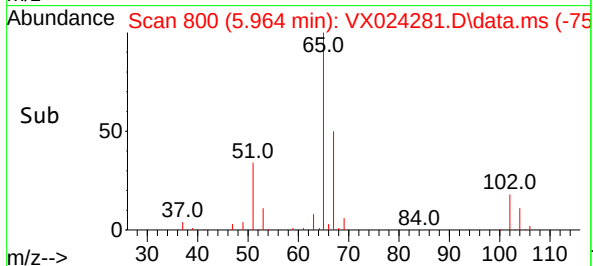
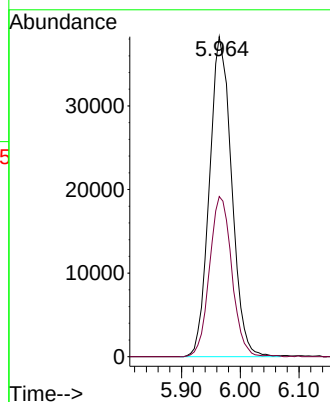
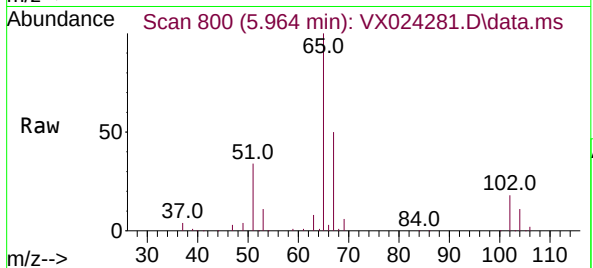
65	100		
67	50.2	0.0	105.4

Instrument :

MSVOA_X

ClientSampleId :

MW-1RE



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

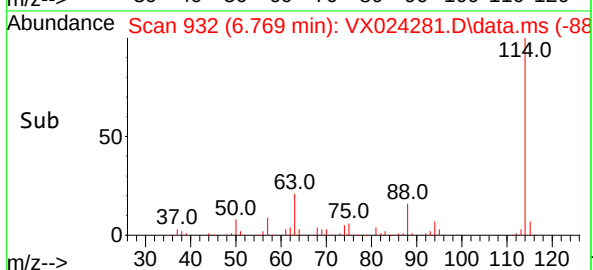
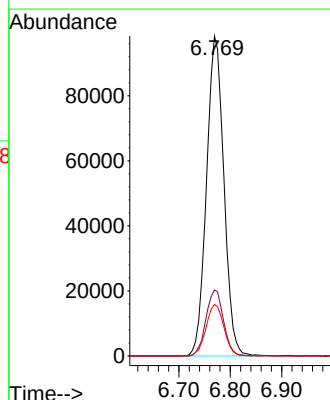
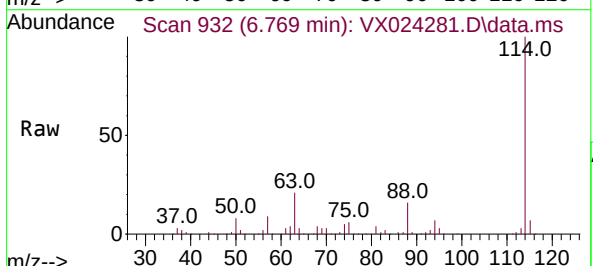
Lab File: VX024281.D

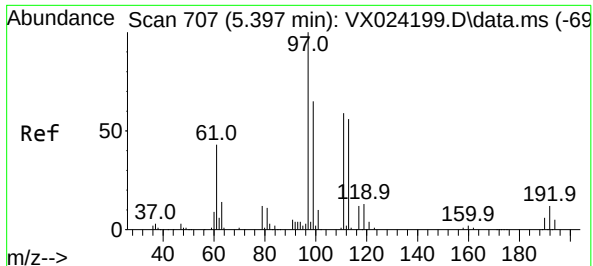
Acq: 16 Sep 2021 12:24

Tgt Ion: 114 Resp: 231434

Ion Ratio Lower Upper

114	100		
63	20.6	0.0	40.8
88	16.1	0.0	32.8

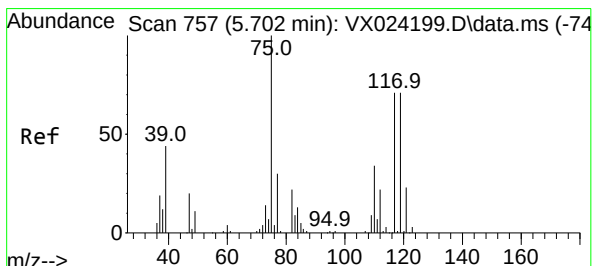
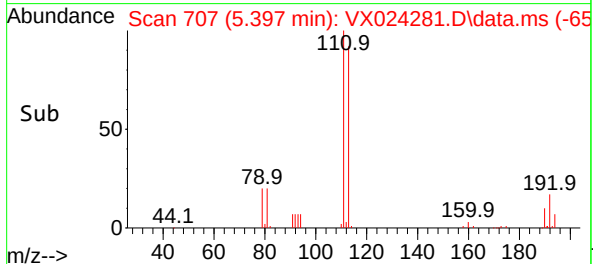
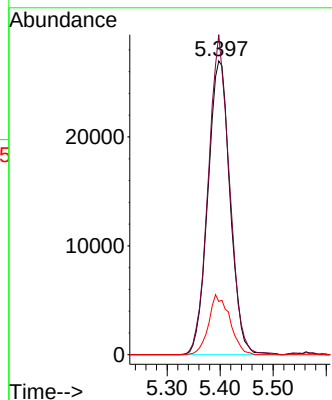
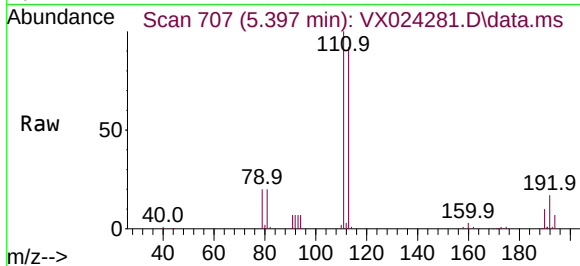




#35
Dibromofluoromethane
Concen: 50.455 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

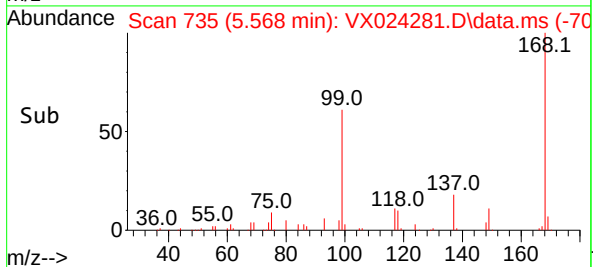
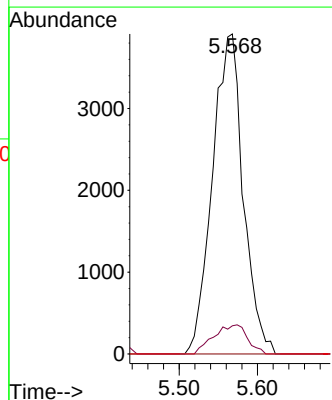
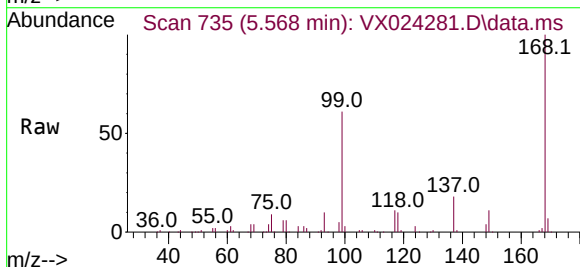
Instrument :
MSVOA_X
ClientSampleId :
MW-1RE

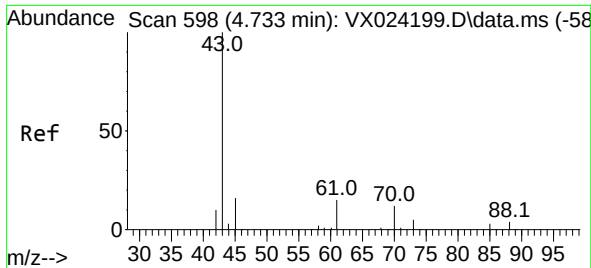
Tgt Ion:	113	Resp:	78311
Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.9	122.9
192	19.5	16.7	25.1



#36
1,1-Dichloropropene
Concen: 5.017 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

Tgt Ion:	75	Resp:	10675
Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.1	54.4#
77	0.0	25.3	37.9#





#37

Ethyl Acetate

Concen: 2.414 ug/l

RT: 4.580 min Scan# 573

Delta R.T. -0.153 min

Lab File: VX024281.D

Acq: 16 Sep 2021 12:24

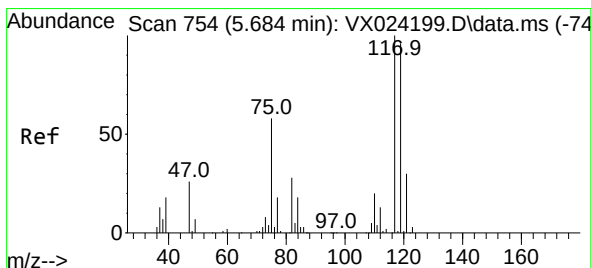
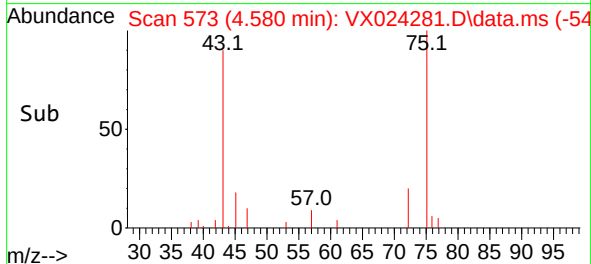
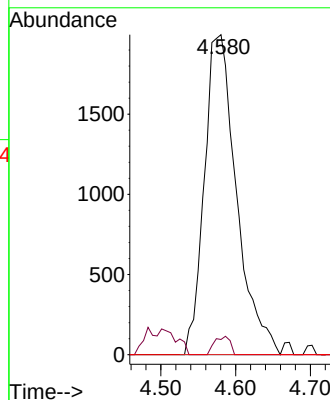
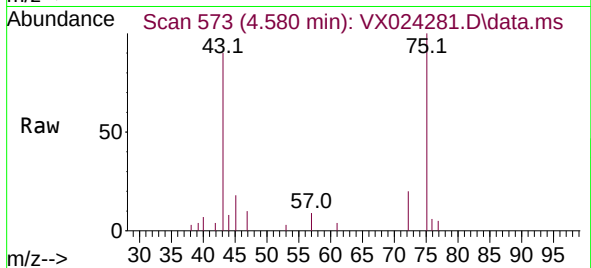
Instrument :

MSVOA_X

ClientSampleId :

MW-1RE

Tgt Ion:	43	Resp:	5984
Ion	Ratio	Lower	Upper
43	100		
61	2.8	12.8	19.2#
70	0.0	10.5	15.7#



#38

Carbon Tetrachloride

Concen: 5.661 ug/l

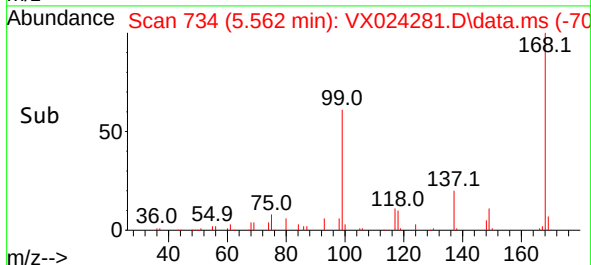
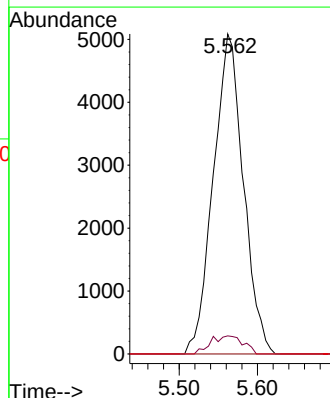
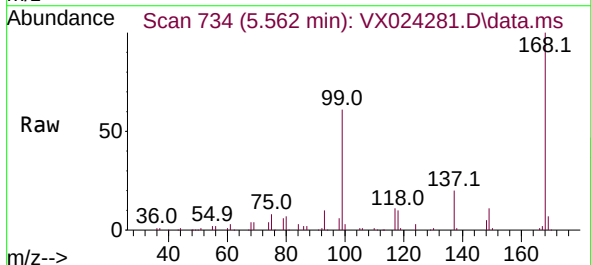
RT: 5.562 min Scan# 734

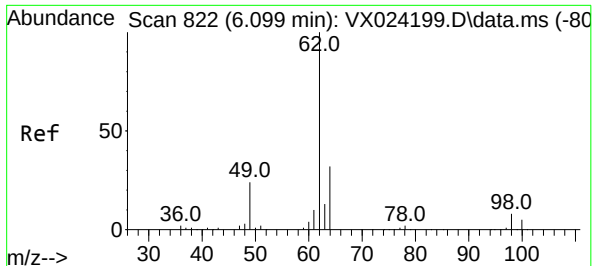
Delta R.T. -0.122 min

Lab File: VX024281.D

Acq: 16 Sep 2021 12:24

Tgt Ion:	117	Resp:	13557
Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.2	114.2#
121	0.0	24.8	37.2#





#42

1,2-Dichloroethane

Concen: 0.876 ug/l

RT: 6.098 min Scan# 822

Delta R.T. -0.001 min

Lab File: VX024281.D

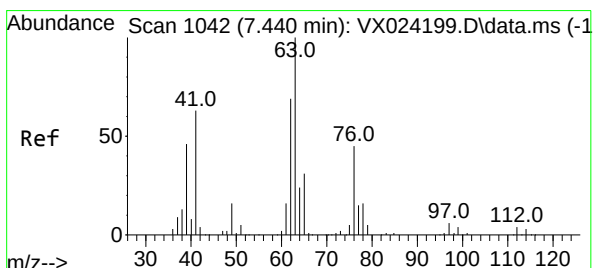
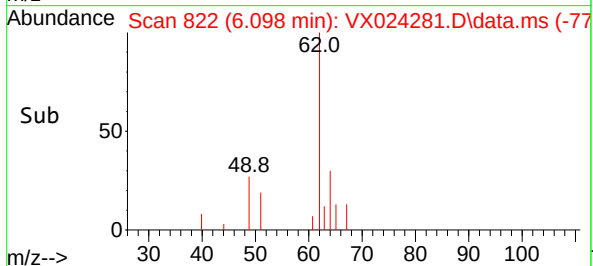
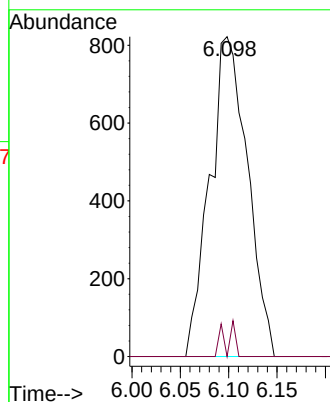
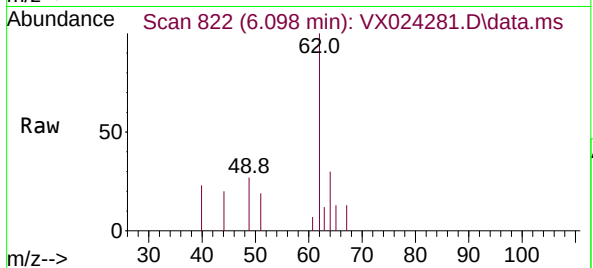
Acq: 16 Sep 2021 12:24

Tgt Ion: 62 Resp: 2230

Ion Ratio Lower Upper

62 100

98 2.9 0.0 20.2



#45

1,2-Dichloropropane

Concen: 0.202 ug/l

RT: 7.440 min Scan# 1042

Delta R.T. -0.000 min

Lab File: VX024281.D

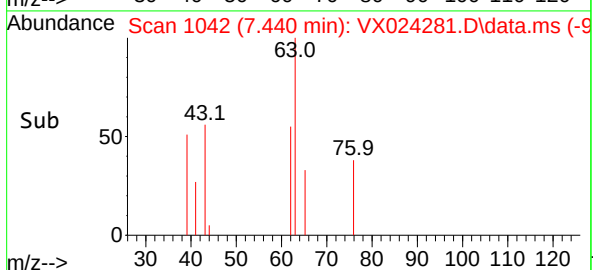
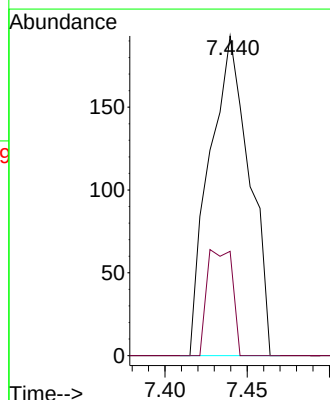
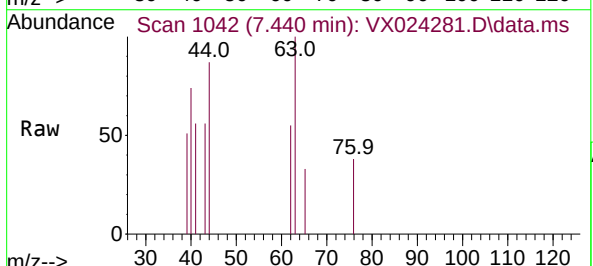
Acq: 16 Sep 2021 12:24

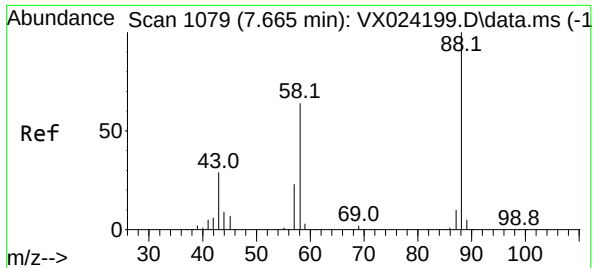
Tgt Ion: 63 Resp: 326

Ion Ratio Lower Upper

63 100

65 32.6 25.7 38.5

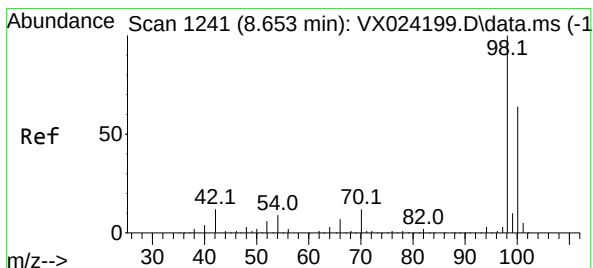
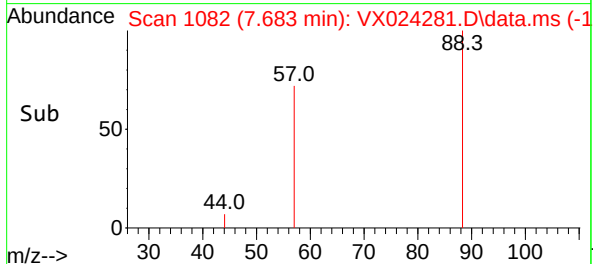
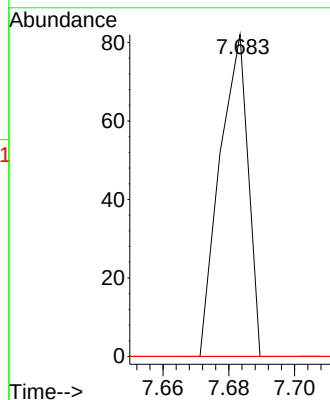
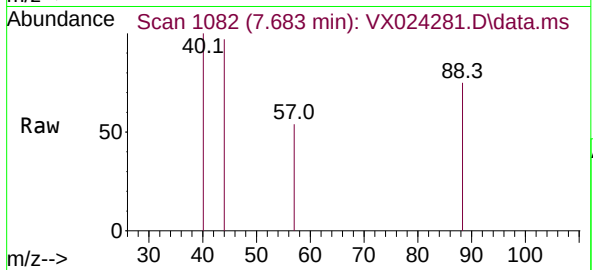




#49
1,4-Dioxane
Concen: 1.188 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.018 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

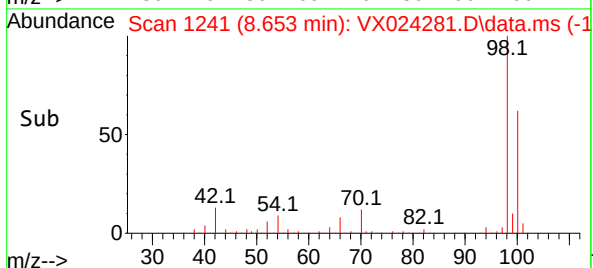
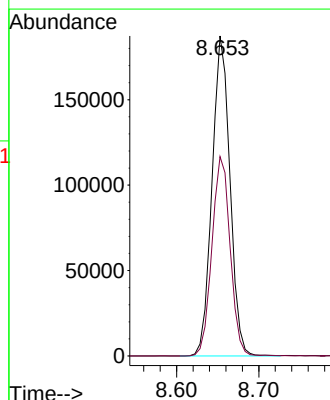
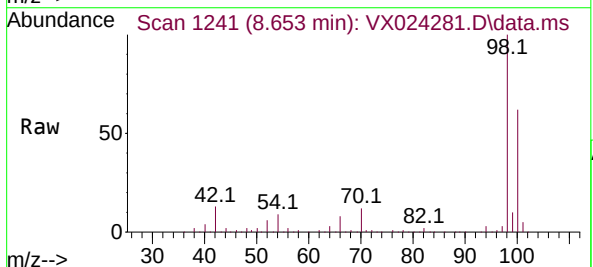
Instrument :
MSVOA_X
ClientSampled :
MW-1RE

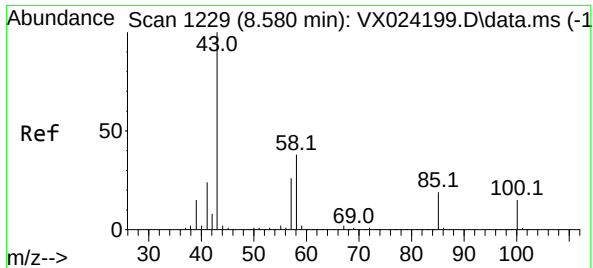
Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 0.0 55.0 82.4#



#50
Toluene-d8
Concen: 50.034 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

Tgt Ion: 98 Resp: 282906
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9

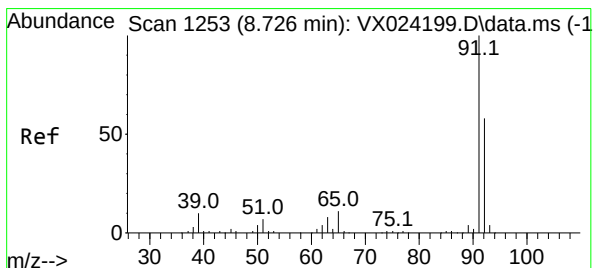
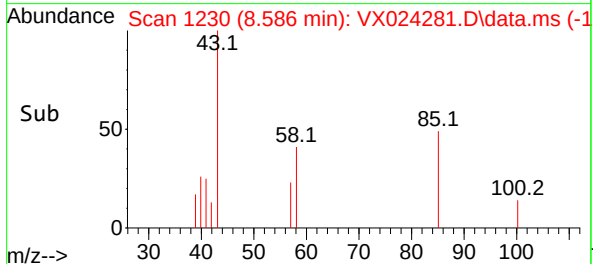
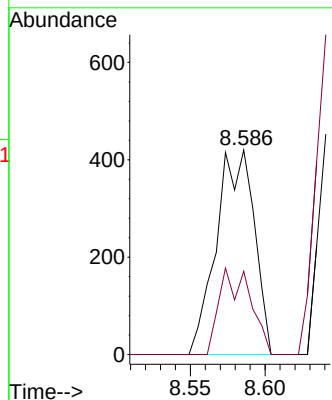
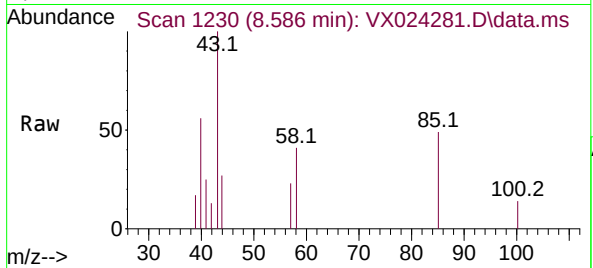




#51
4-Methyl-2-Pentanone
Concen: 0.294 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

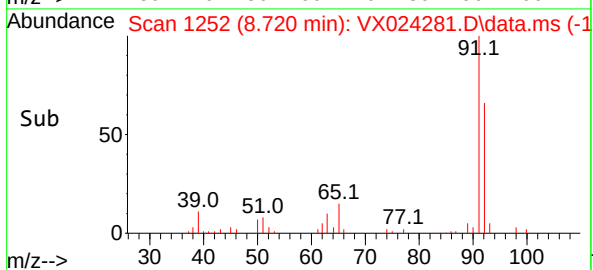
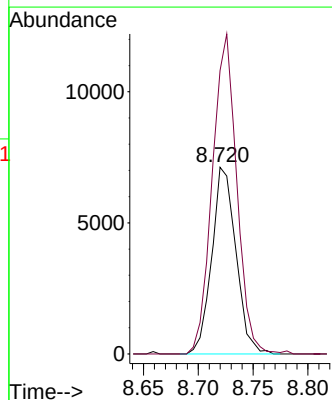
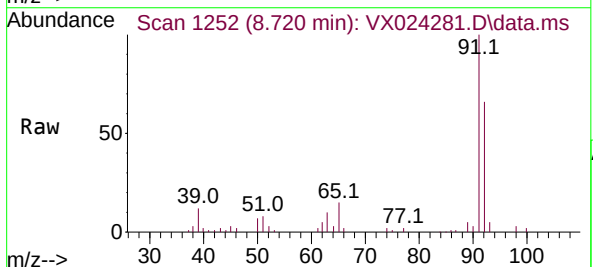
Instrument :
MSVOA_X
ClientSampled :
MW-1RE

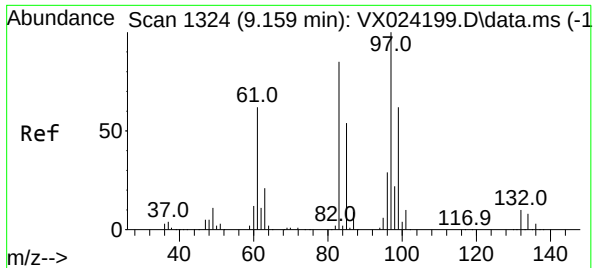
Tgt Ion: 43 Resp: 739
Ion Ratio Lower Upper
43 100
58 34.6 35.4 53.0#



#52
Toluene
Concen: 2.729 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

Tgt Ion: 92 Resp: 10915
Ion Ratio Lower Upper
92 100
91 173.8 137.1 205.7

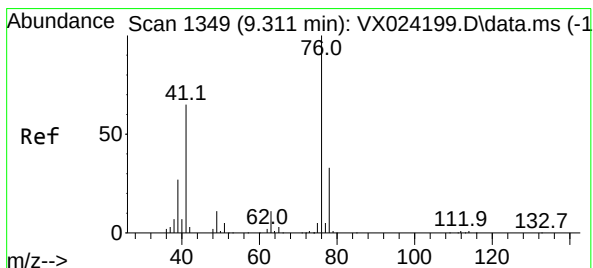
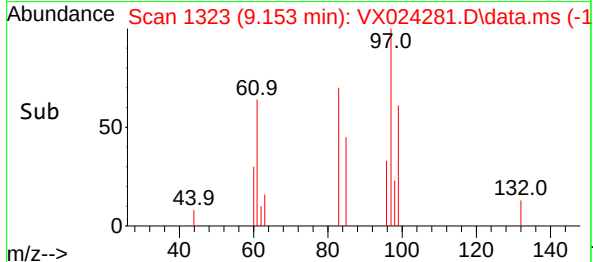
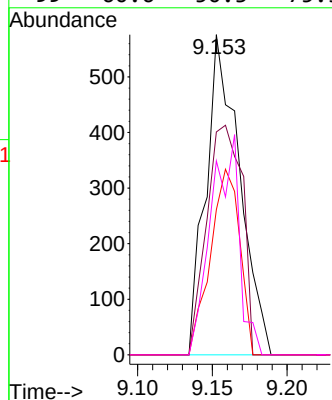
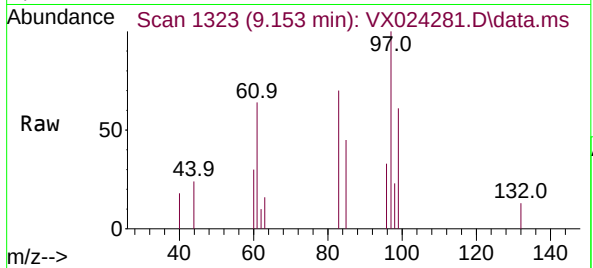




#55
 1,1,2-Trichloroethane
 Concen: 0.528 ug/l
 RT: 9.153 min Scan# 1323
 Delta R.T. -0.006 min
 Lab File: VX024281.D
 Acq: 16 Sep 2021 12:24

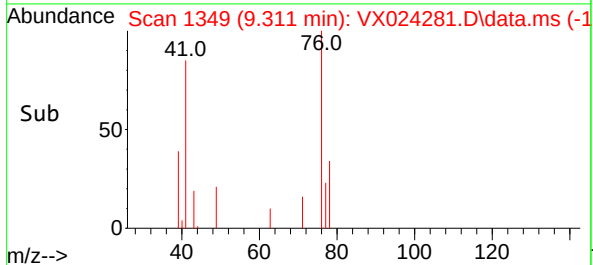
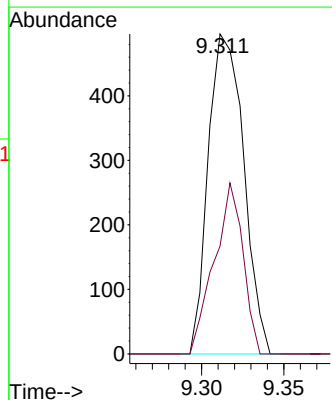
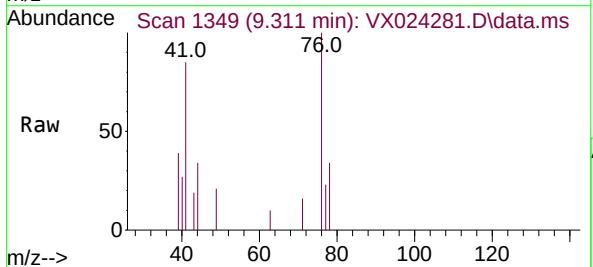
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1RE

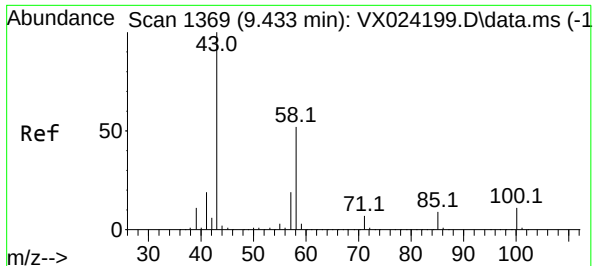
Tgt Ion: 97	Resp: 900
Ion Ratio	Lower Upper
97 100	
83 69.6	69.3 103.9
85 45.3	44.3 66.5
99 60.6	50.3 75.5



#57
 1,3-Dichloropropane
 Concen: 0.268 ug/l
 RT: 9.311 min Scan# 1349
 Delta R.T. 0.000 min
 Lab File: VX024281.D
 Acq: 16 Sep 2021 12:24

Tgt Ion: 76	Resp: 743		
Ion Ratio	Lower	Upper	
76 100			
78 43.3	26.2	39.2#	

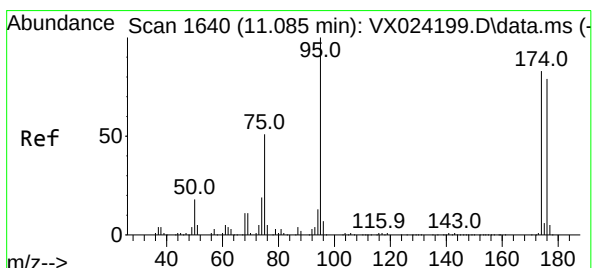
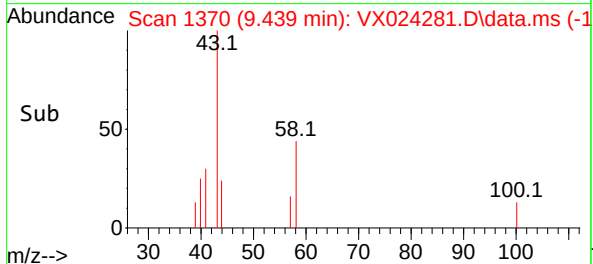
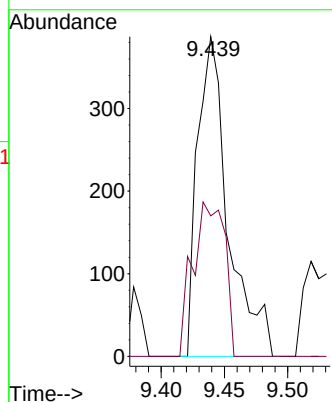
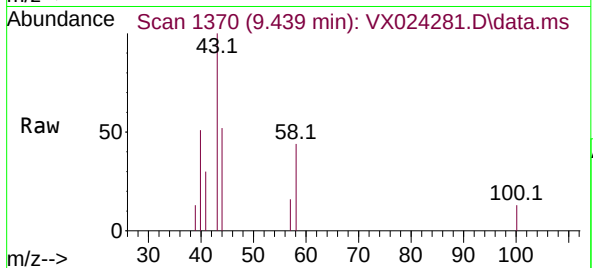




#59
2-Hexanone
Concen: 0.334 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

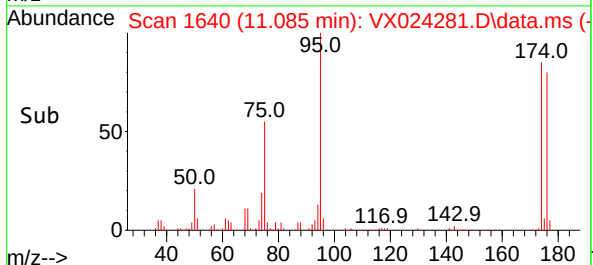
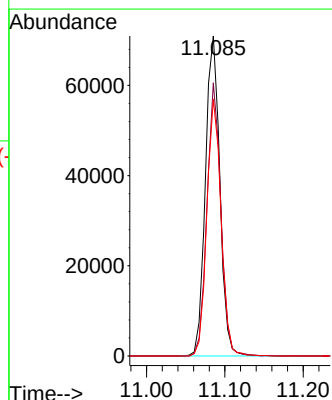
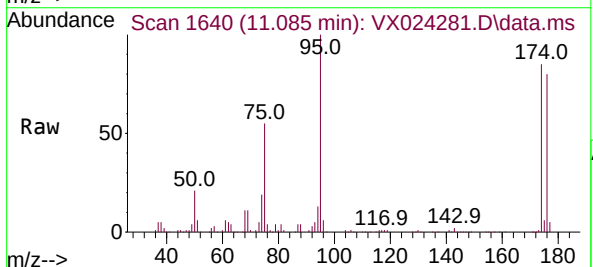
Instrument :
MSVOA_X
ClientSampleId :
MW-1RE

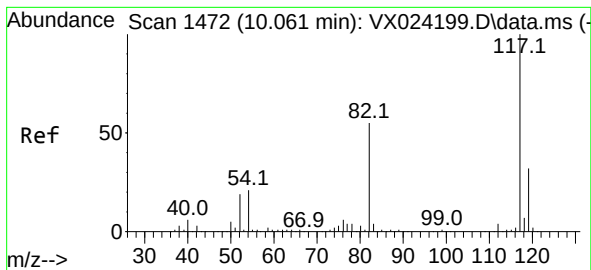
Tgt Ion: 43 Resp: 655
Ion Ratio Lower Upper
43 100
58 50.1 30.9 92.8



#62
4-Bromofluorobenzene
Concen: 41.162 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

Tgt Ion: 95 Resp: 90573
Ion Ratio Lower Upper
95 100
174 82.3 0.0 154.6
176 79.0 0.0 155.8

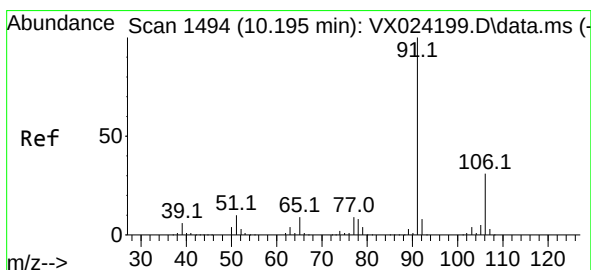
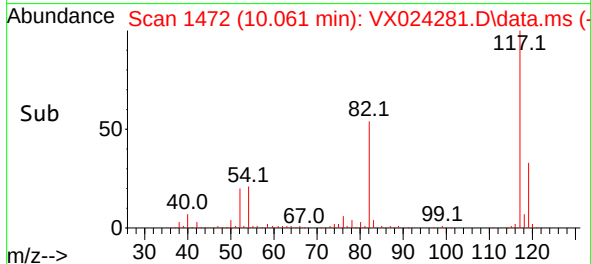
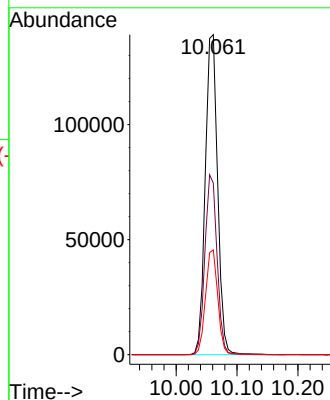
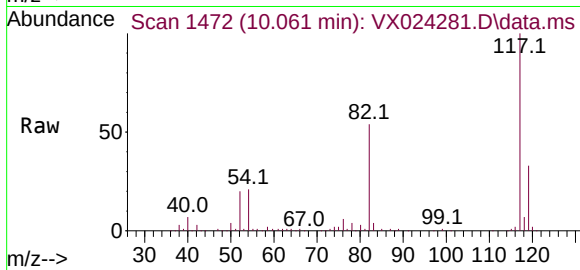




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

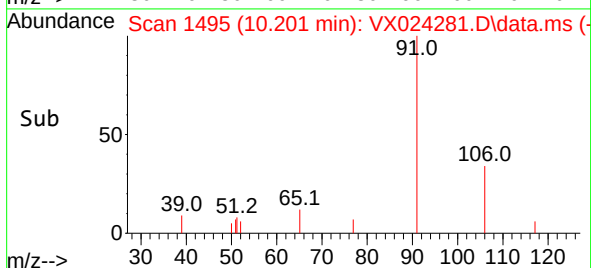
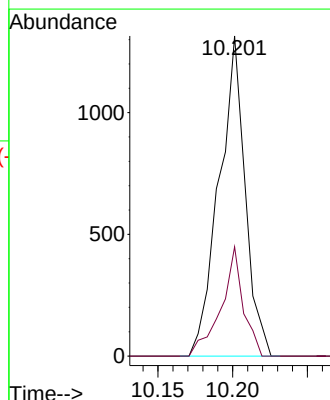
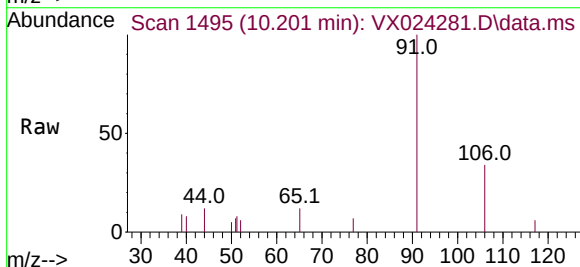
Instrument :
MSVOA_X
ClientSampleId :
MW-1RE

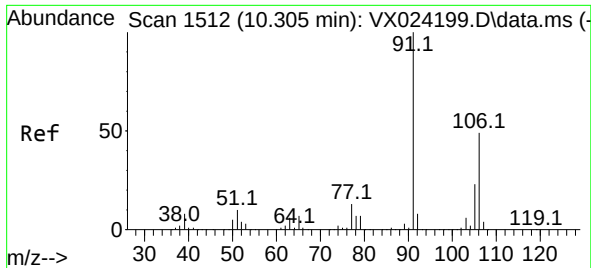
Tgt Ion:117 Resp: 196277
Ion Ratio Lower Upper
117 100
82 53.6 47.4 71.2
119 32.8 26.6 39.8



#67
Ethyl Benzene
Concen: 0.226 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

Tgt Ion: 91 Resp: 1595
Ion Ratio Lower Upper
91 100
106 34.1 24.6 37.0

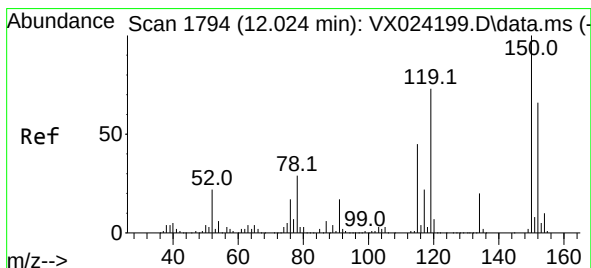
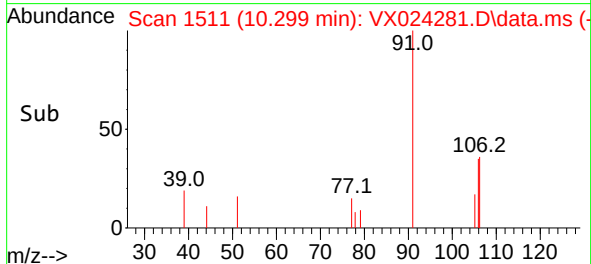
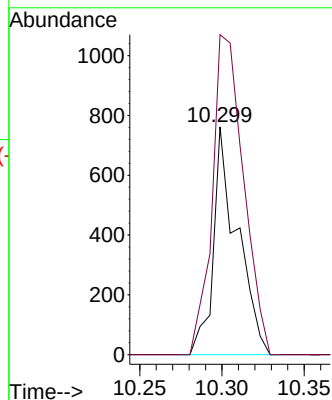
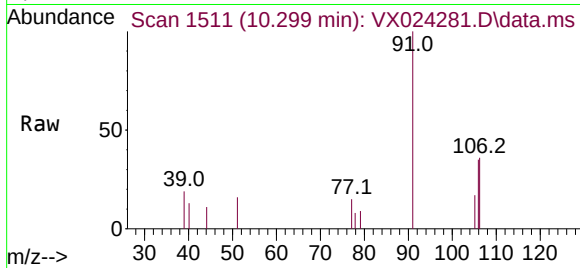




#68
m/p-Xylenes
Concen: 0.283 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

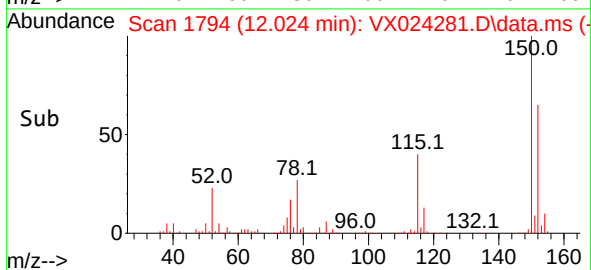
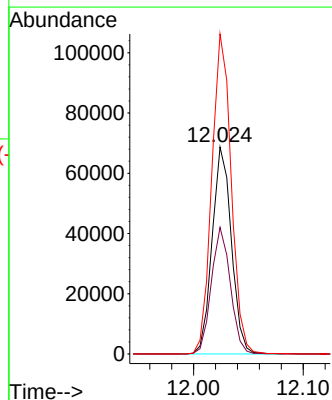
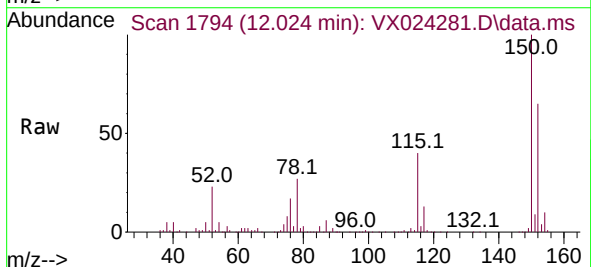
Instrument :
MSVOA_X
ClientSampleID :
MW-1RE

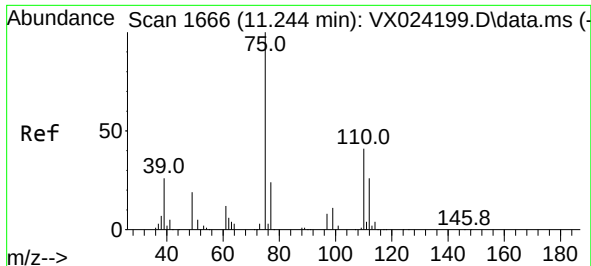
Tgt Ion:106 Resp: 766
Ion Ratio Lower Upper
106 100
91 184.5 162.8 244.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

Tgt Ion:152 Resp: 83854
Ion Ratio Lower Upper
152 100
115 60.4 41.1 123.3
150 156.1 0.0 349.0

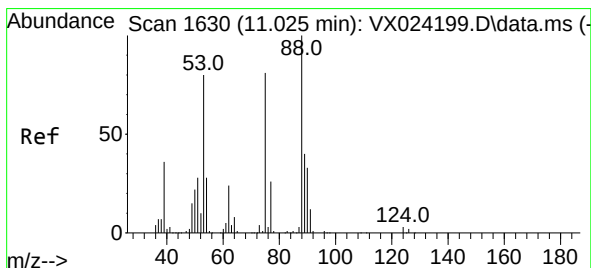
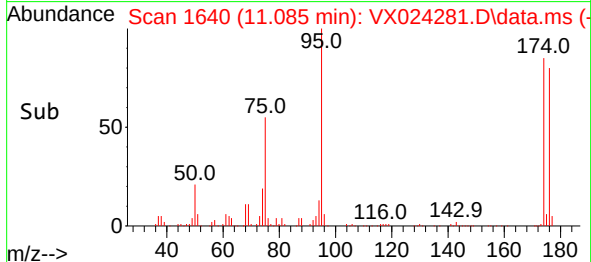
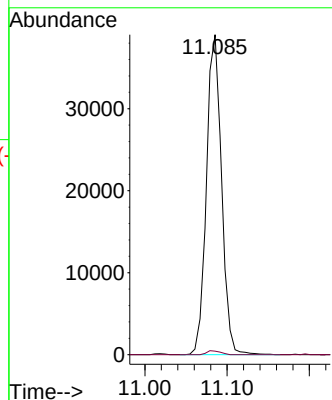
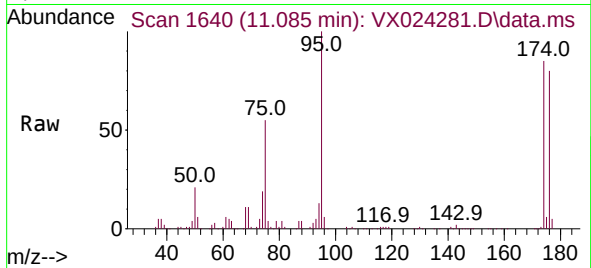




#76
1,2,3-Trichloropropane
Concen: 25.812 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

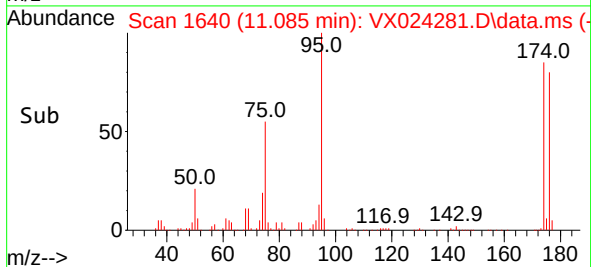
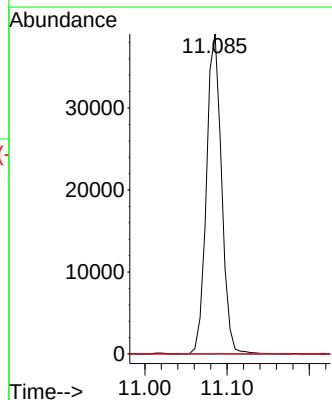
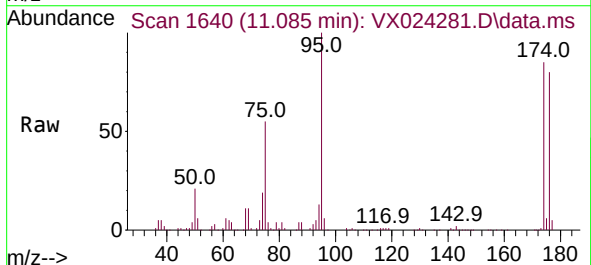
Instrument :
MSVOA_X
ClientSampled :
MW-1RE

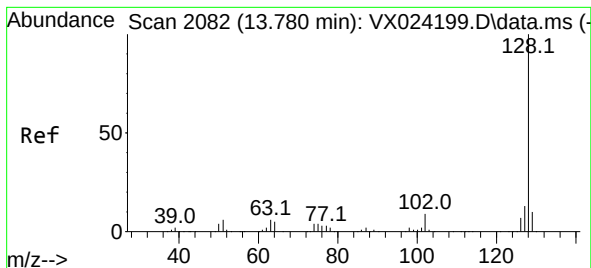
Tgt Ion: 75 Resp: 49769
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.913 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

Tgt Ion: 75 Resp: 49769
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.366 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024281.D
Acq: 16 Sep 2021 12:24

Instrument :
MSVOA_X
ClientSampleId :
MW-1RE

Tgt Ion:128 Resp: 486
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 4.5 8.8 13.2#

