

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092321\
 Data File : VX024482.D
 Acq On : 24 Sep 2021 05:02
 Operator : JC/MD
 Sample : M3829-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW203D1-20210918

Quant Time: Sep 24 07:44:26 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)

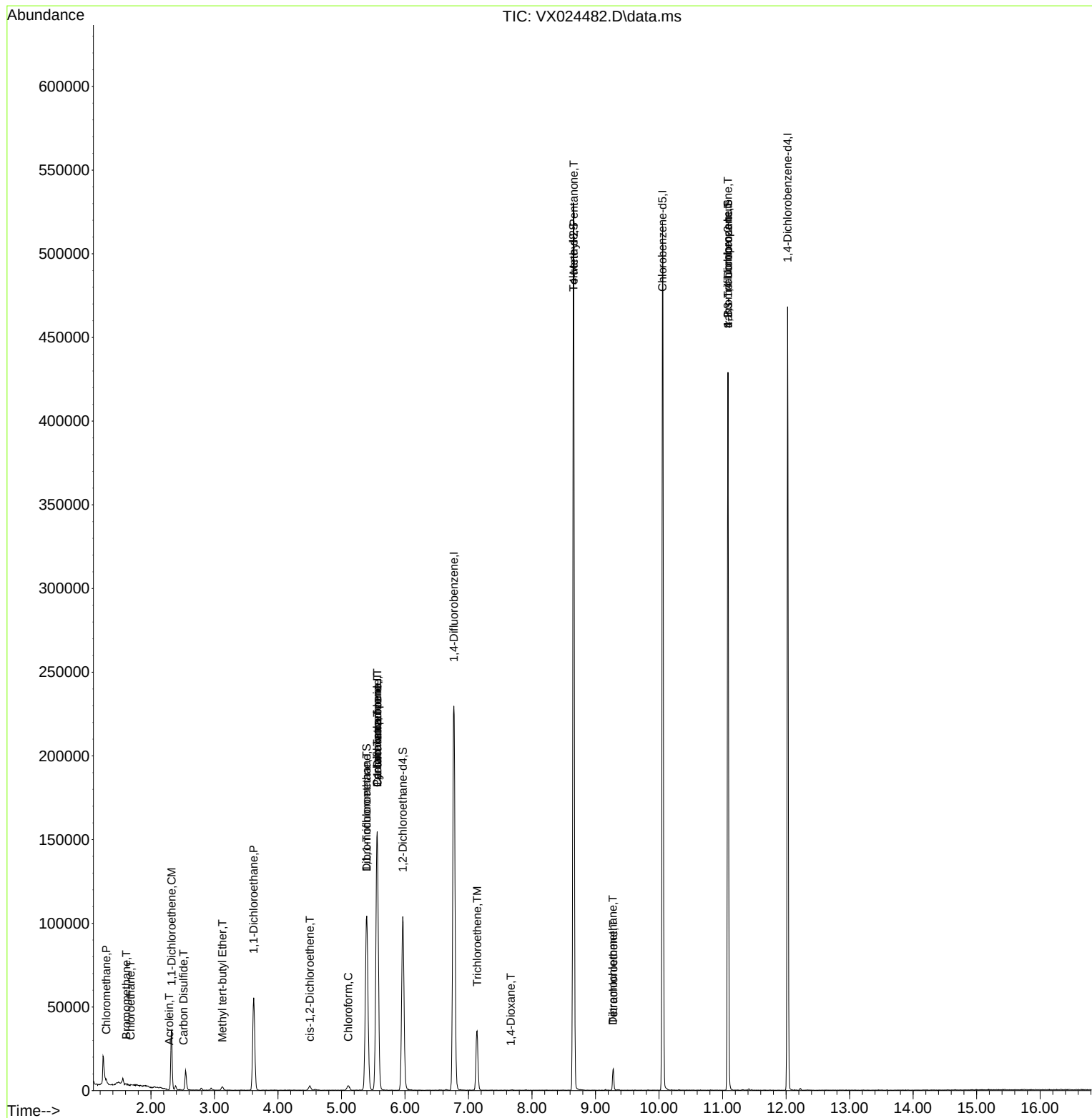
Internal Standards						
1) Pentafluorobenzene	5.562	168	145194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	244770	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92028	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	103975	50.810	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.620%			
35) Dibromofluoromethane	5.397	113	83566	51.391	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.780%			
50) Toluene-d8	8.653	98	305526	51.050	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.100%			
62) 4-Bromofluorobenzene	11.085	95	111604	47.428	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.860%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	547	0.397	ug/l #	83
5) Bromomethane	1.611	94	241	0.249	ug/l	89
6) Chloroethane	1.678	64	410	0.683	ug/l #	76
11) Tert butyl alcohol	2.946	59	705	Below Cal	#	73
12) 1,1-Dichloroethene	2.325	96	11627	8.736	ug/l	95
13) Acrolein	2.288	56	27	10.292	ug/l #	14
16) Acetone	2.386	43	2362	Below Cal		90
17) Carbon Disulfide	2.514	76	357	0.331	ug/l #	75
19) Methyl tert-butyl Ether	3.123	73	2362	0.471	ug/l	96
20) Methylene Chloride	2.788	84	559	Below Cal	#	92
24) 1,1-Dichloroethane	3.617	63	61546	22.296	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	1800	1.019	ug/l	89
30) Chloroform	5.105	83	3465	1.137	ug/l	84
31) Cyclohexane	5.562	56	2927	1.195	ug/l #	1
32) 1,1,1-Trichloroethane	5.397	97	8827	3.261	ug/l	96
36) 1,1-Dichloropropene	5.562	75	11183	4.766	ug/l #	49
38) Carbon Tetrachloride	5.562	117	15162	5.936	ug/l #	16
44) Trichloroethene	7.135	130	14135	7.657	ug/l	91
49) 1,4-Dioxane	7.665	88	274	5.424	ug/l #	71
51) 4-Methyl-2-Pentanone	8.659	43	1290	0.439	ug/l #	1
60) Dibromochloromethane	9.275	129	2395	2.337	ug/l #	11
64) Tetrachloroethene	9.281	164	2249	1.355	ug/l	93
76) 1,2,3-Trichloropropane	11.085	75	56518	27.043	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	56518	73.588	ug/l #	12

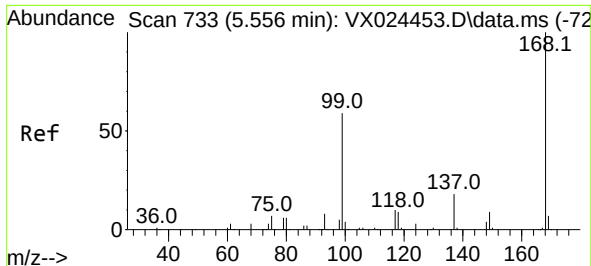
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

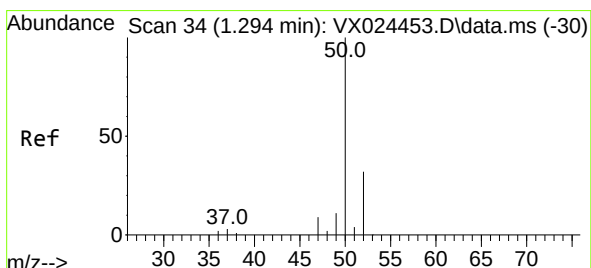
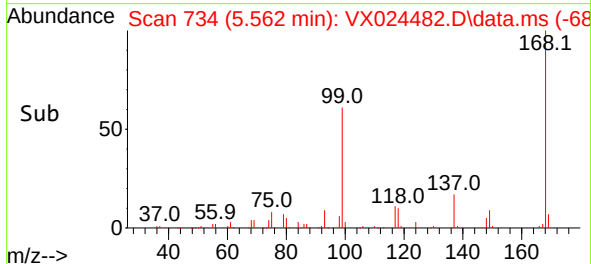
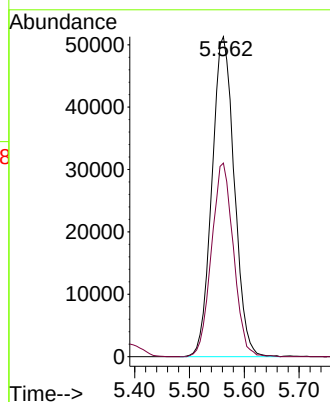
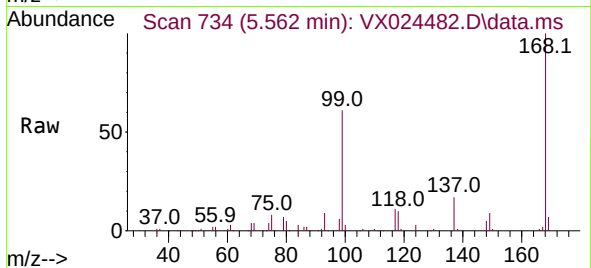




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02

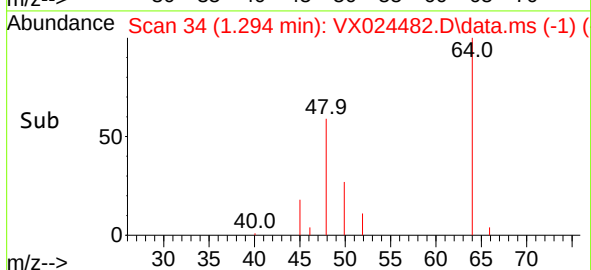
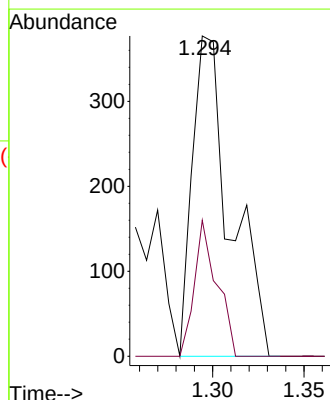
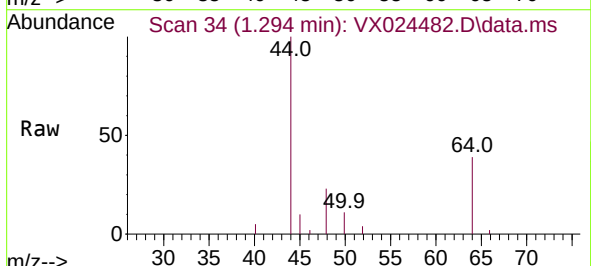
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20210918

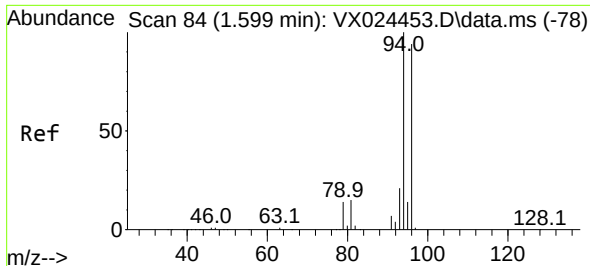
Tgt Ion:168 Resp: 145194
Ion Ratio Lower Upper
168 100
99 60.5 45.8 68.6



#3
Chloromethane
Concen: 0.397 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02

Tgt Ion: 50 Resp: 547
Ion Ratio Lower Upper
50 100
52 42.4 26.4 39.6#

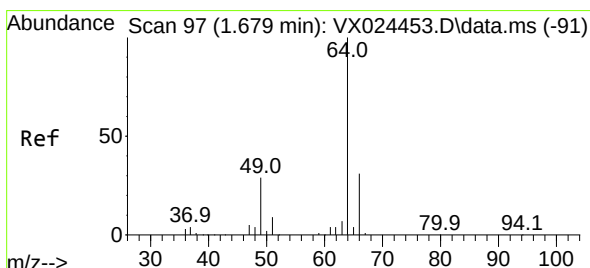
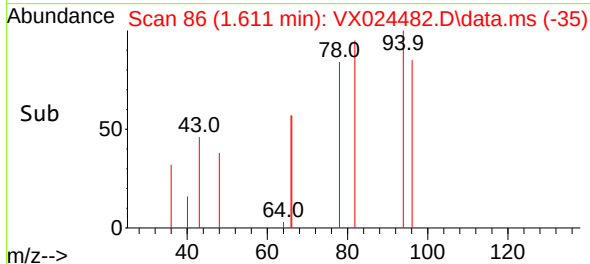
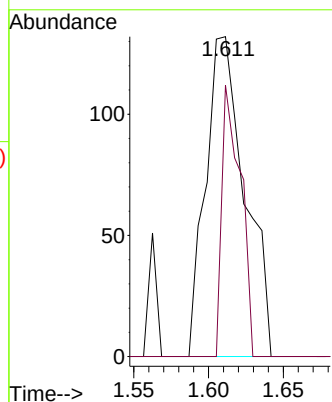
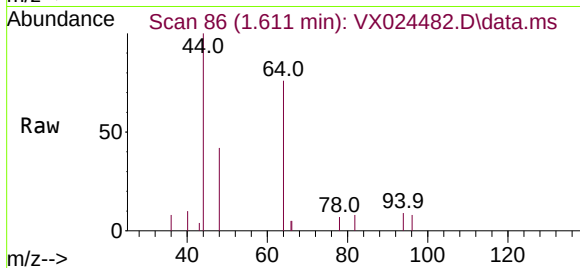




#5
Bromomethane
Concen: 0.249 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02

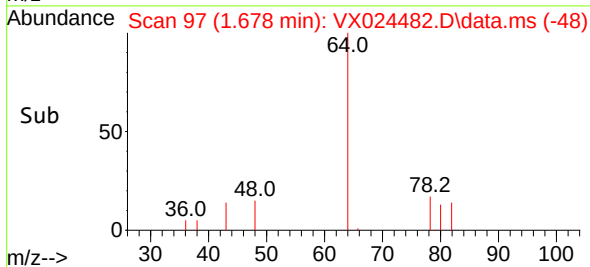
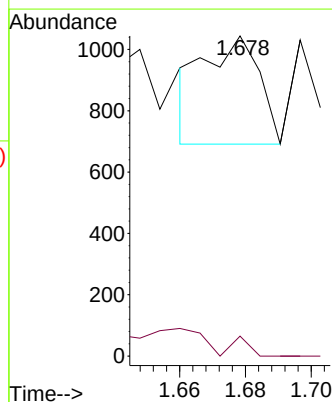
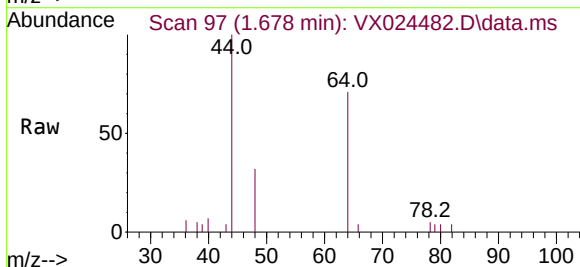
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20210918

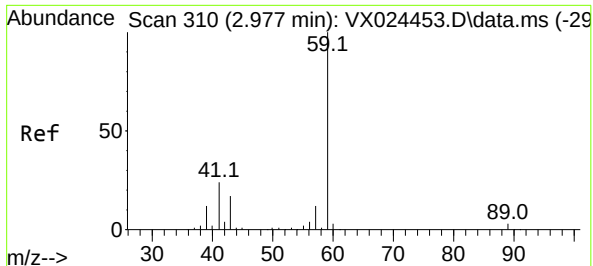
Tgt Ion: 94 Resp: 241
Ion Ratio Lower Upper
94 100
96 84.8 76.4 114.6



#6
Chloroethane
Concen: 0.683 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.001 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02

Tgt Ion: 64 Resp: 410
Ion Ratio Lower Upper
64 100
66 18.4 25.4 38.0#



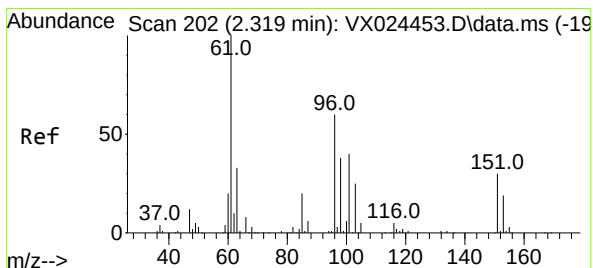
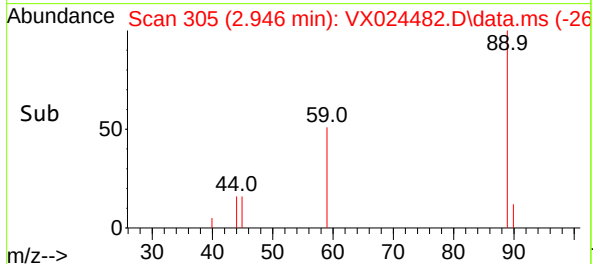
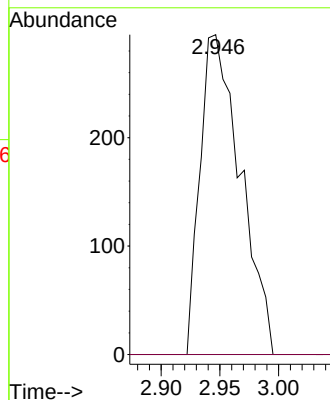
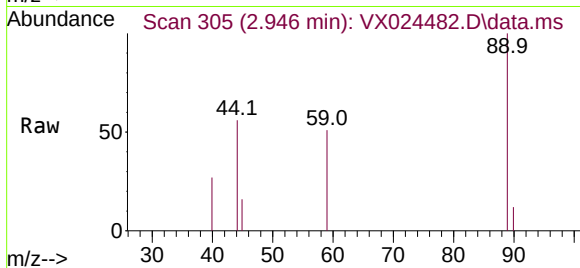


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02

Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20210918

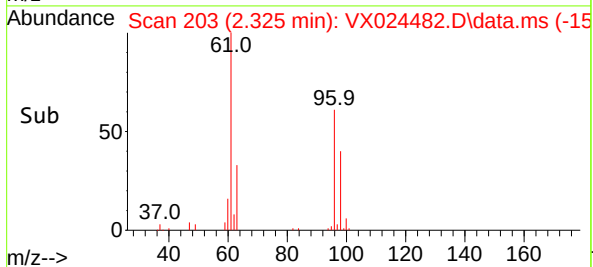
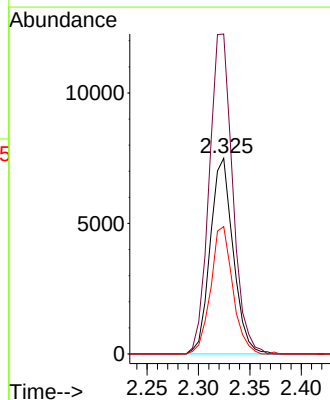
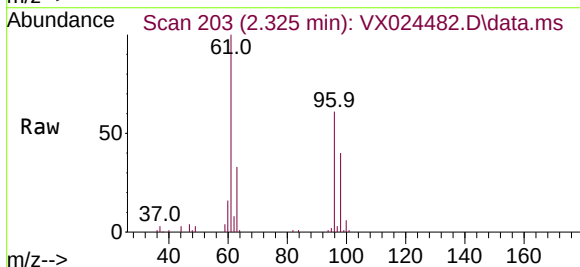
Tgt Ion: 59 Resp: 705
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

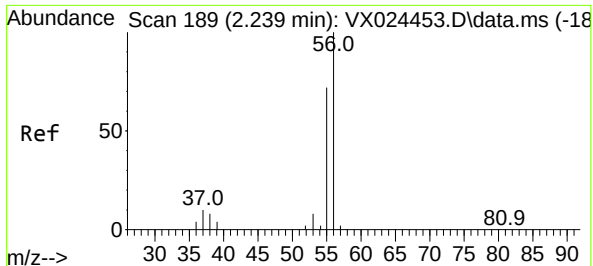


#12

1,1-Dichloroethene
Concen: 8.736 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02

Tgt Ion: 96 Resp: 11627
Ion Ratio Lower Upper
96 100
61 163.6 124.6 187.0
98 65.1 50.6 76.0

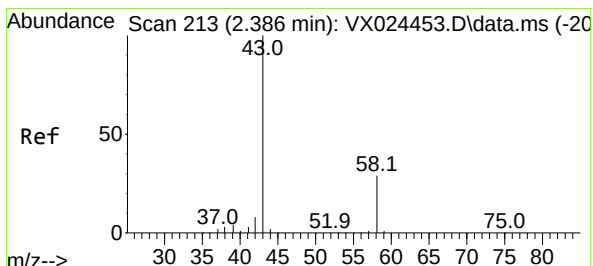
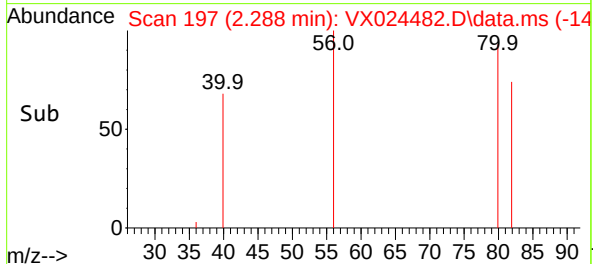
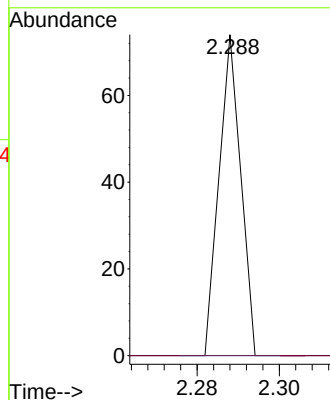
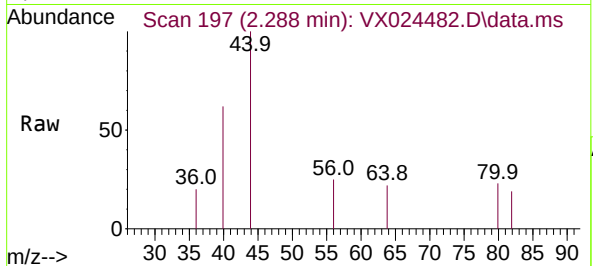




#13
Acrolein
Concen: 10.292 ug/l
RT: 2.288 min Scan# 197
Delta R.T. 0.049 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02

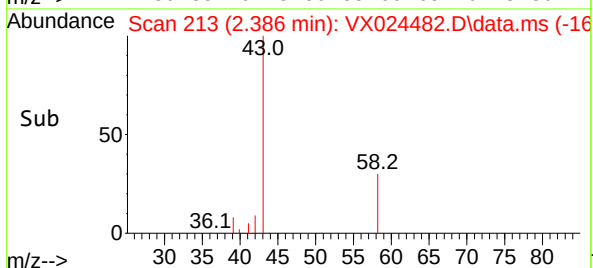
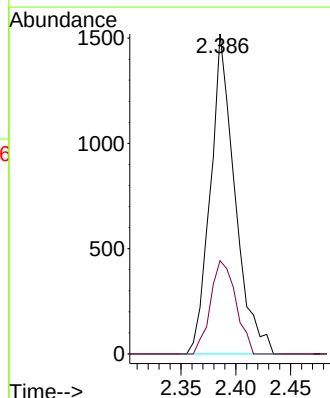
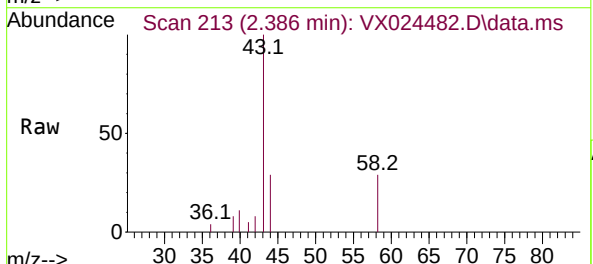
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20210918

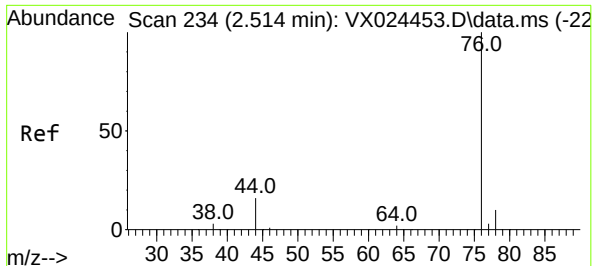
Tgt Ion: 56 Resp: 27
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02

Tgt Ion: 43 Resp: 2362
Ion Ratio Lower Upper
43 100
58 29.1 27.8 41.8

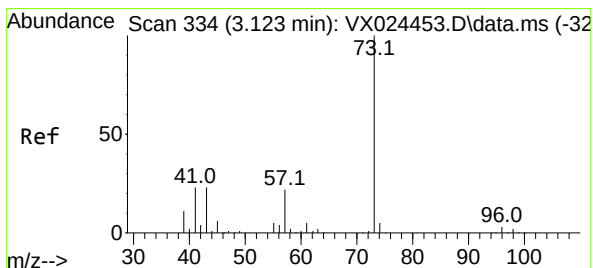
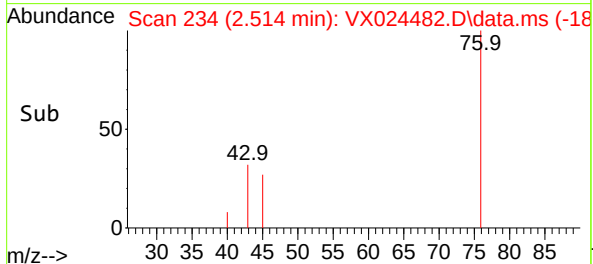
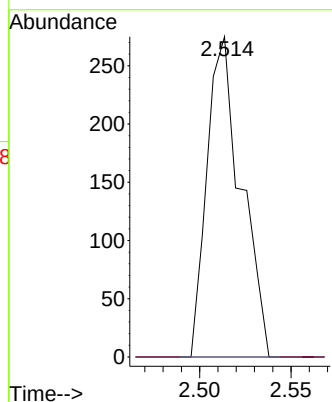
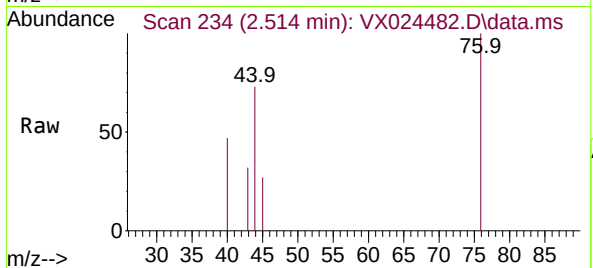




#17
Carbon Disulfide
Concen: 0.331 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02

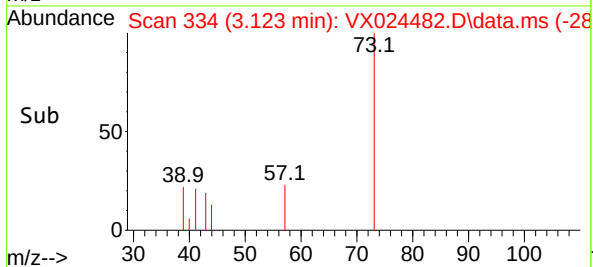
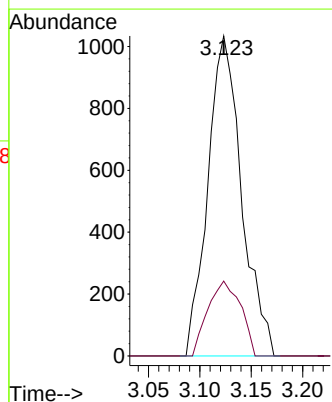
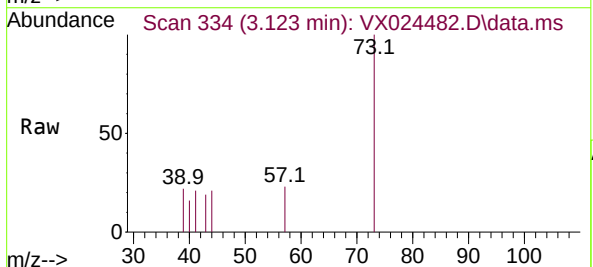
Instrument :
MSVOA_X
ClientSampleId :
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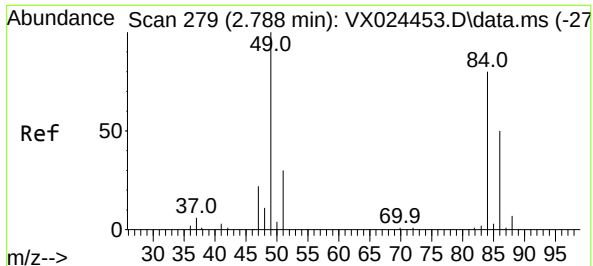
Tgt Ion: 76 Resp: 357
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#19
Methyl tert-butyl Ether
Concen: 0.471 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02

Tgt Ion: 73 Resp: 2362
Ion Ratio Lower Upper
73 100
57 23.4 17.1 25.7





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX024482.D

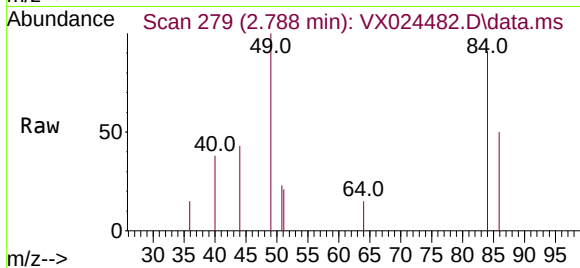
Acq: 24 Sep 2021 05:02

Instrument :

MSVOA_X

ClientSampleId :

MW203D1-20210918



Tgt Ion: 84 Resp: 559

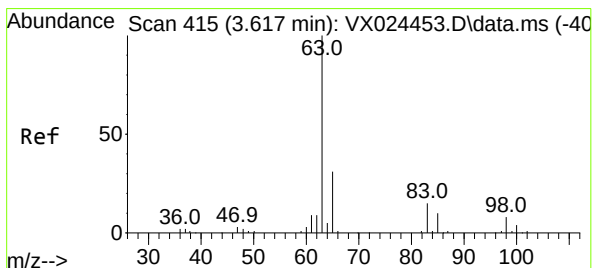
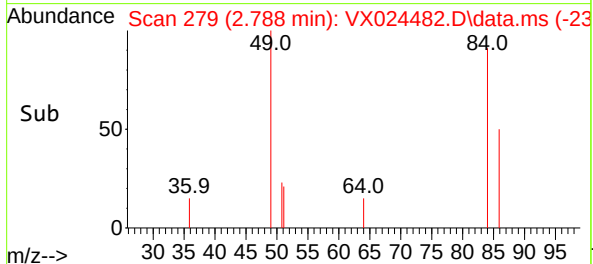
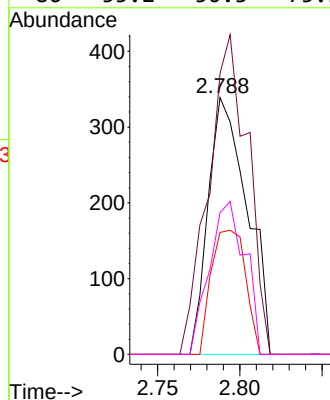
Ion Ratio Lower Upper

84 100

49 109.4 88.6 132.8

51 47.5 27.0 40.6#

86 55.2 50.3 75.5



#24

1,1-Dichloroethane

Concen: 22.296 ug/l

RT: 3.617 min Scan# 415

Delta R.T. 0.000 min

Lab File: VX024482.D

Acq: 24 Sep 2021 05:02

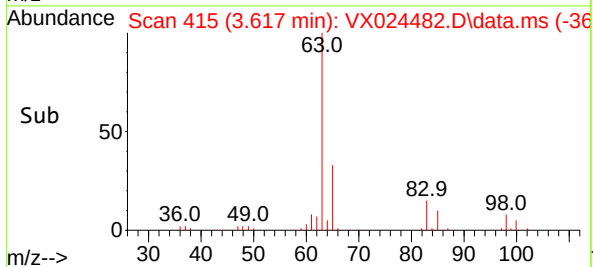
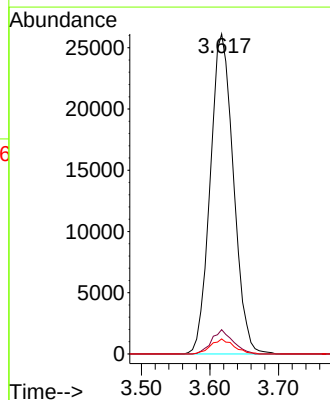
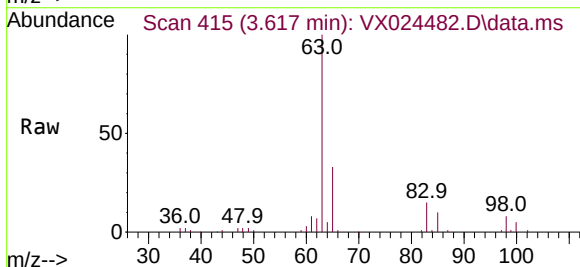
Tgt Ion: 63 Resp: 61546

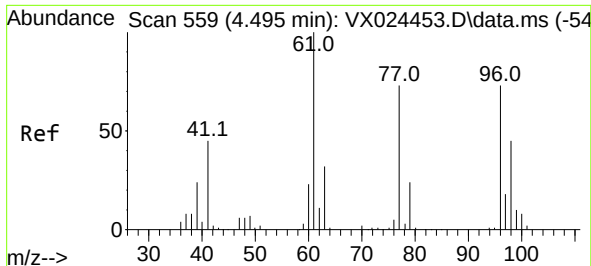
Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.2

100 4.7 2.5 7.5





#27

cis-1,2-Dichloroethene

Concen: 1.019 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX024482.D

Acq: 24 Sep 2021 05:02

Tgt Ion: 96 Resp: 1800

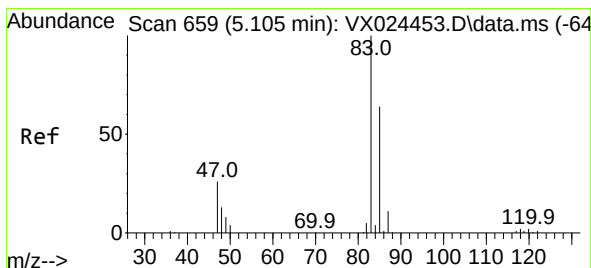
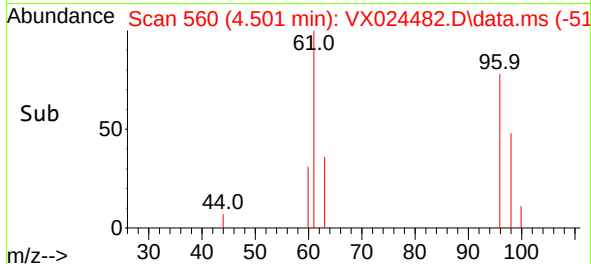
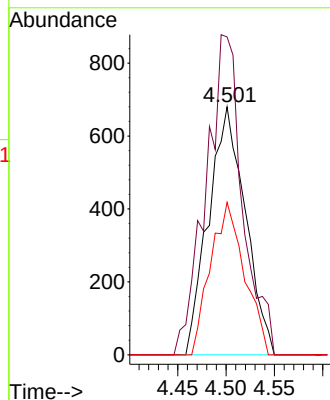
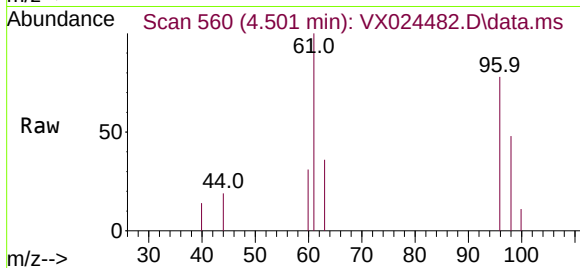
Ion	Ratio	Lower	Upper
96	100		
61	128.6	0.0	285.6
98	56.9	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

MW203D1-20210918



#30

Chloroform

Concen: 1.137 ug/l

RT: 5.105 min Scan# 659

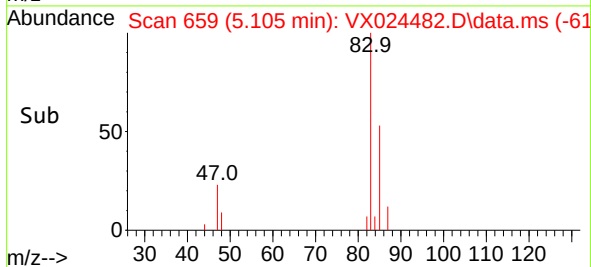
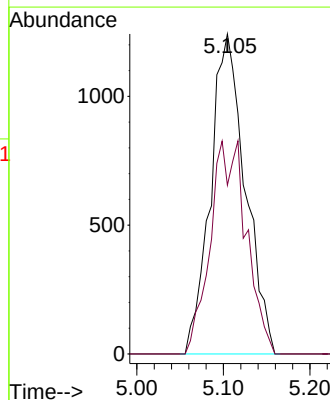
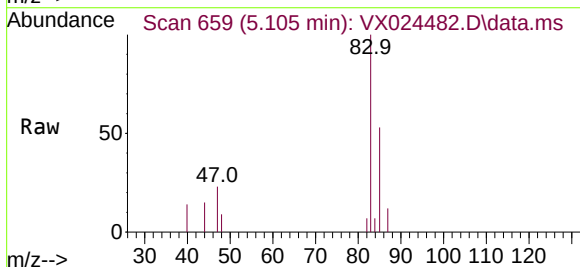
Delta R.T. -0.000 min

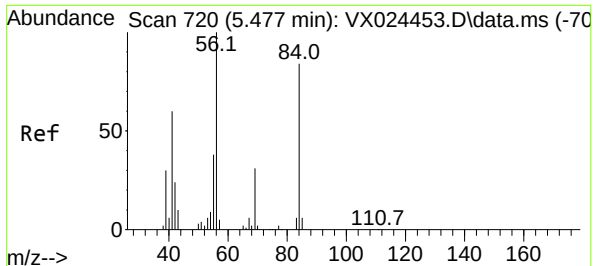
Lab File: VX024482.D

Acq: 24 Sep 2021 05:02

Tgt Ion: 83 Resp: 3465

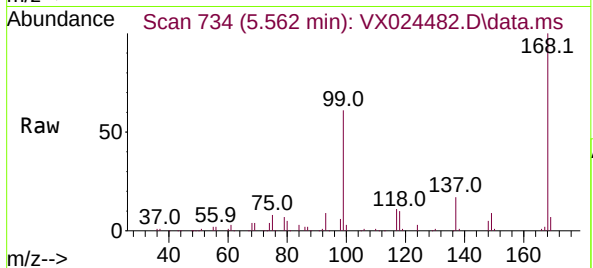
Ion	Ratio	Lower	Upper
83	100		
85	52.7	52.0	78.0



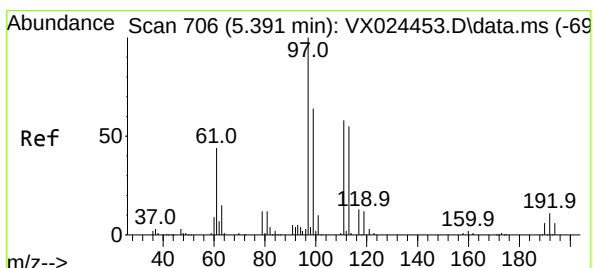
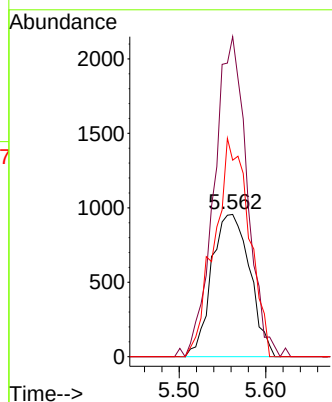
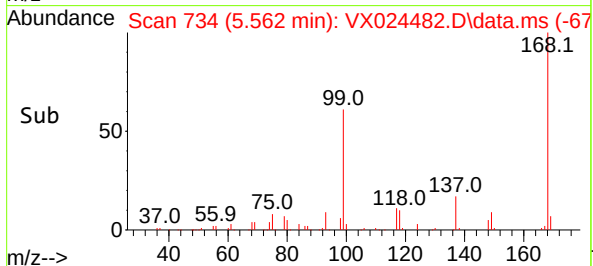


#31
Cyclohexane
Concen: 1.195 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02

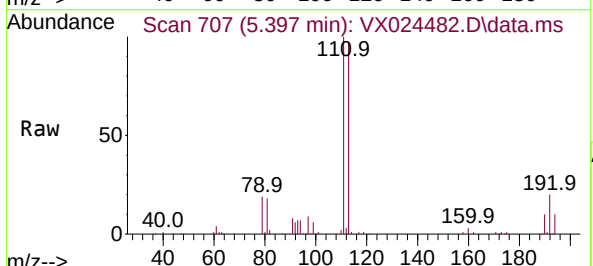
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20210918



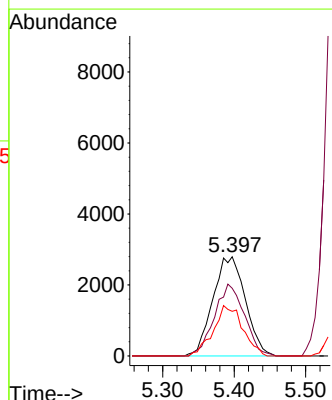
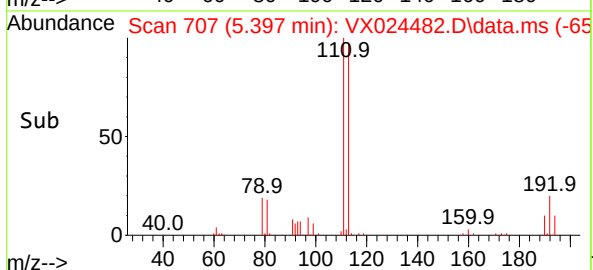
Tgt Ion: 56 Resp: 2927
Ion Ratio Lower Upper
56 100
69 224.8 25.3 37.9#
84 138.1 71.4 107.0#

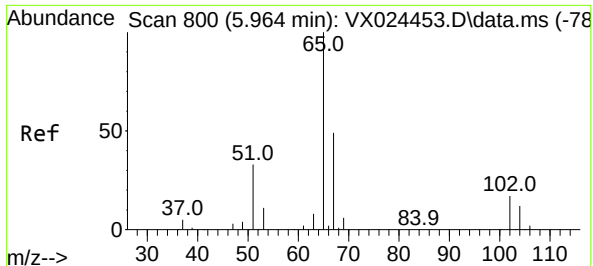


#32
1,1,1-Trichloroethane
Concen: 3.261 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02



Tgt Ion: 97 Resp: 8827
Ion Ratio Lower Upper
97 100
99 66.9 51.5 77.3
61 45.8 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 50.810 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX024482.D

Acq: 24 Sep 2021 05:02

Tgt Ion: 65 Resp: 103975

Ion Ratio Lower Upper

65 100

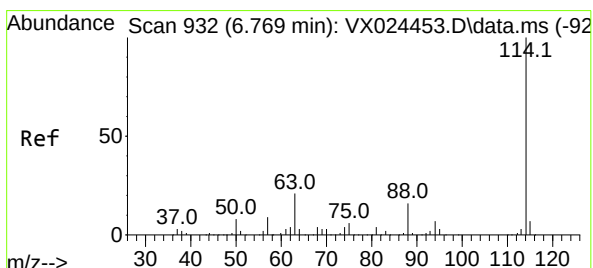
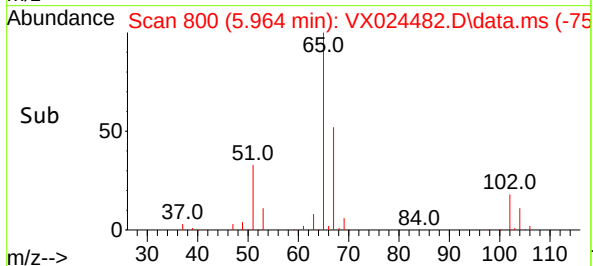
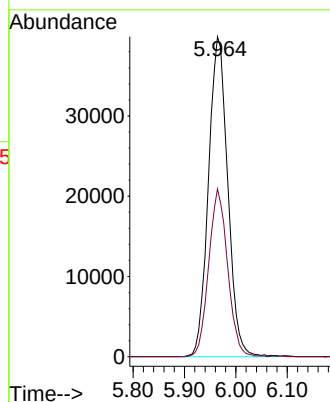
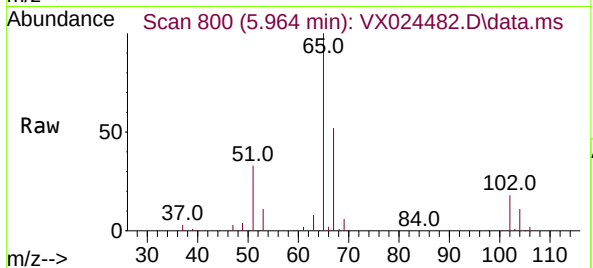
67 51.2 0.0 105.4

Instrument :

MSVOA_X

ClientSampleId :

MW203D1-20210918



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX024482.D

Acq: 24 Sep 2021 05:02

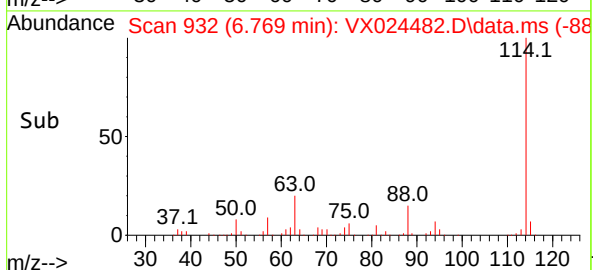
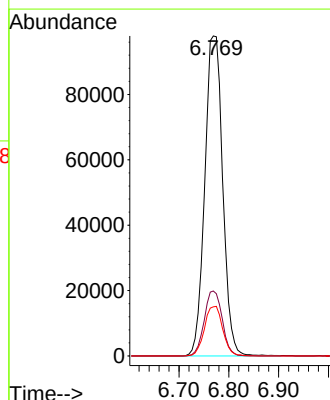
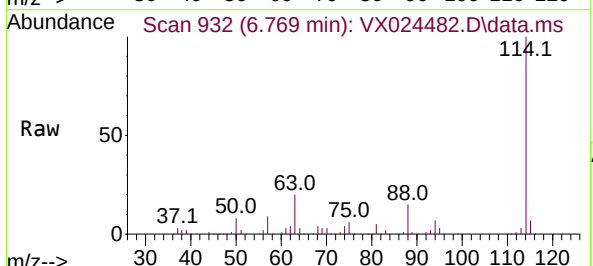
Tgt Ion: 114 Resp: 244770

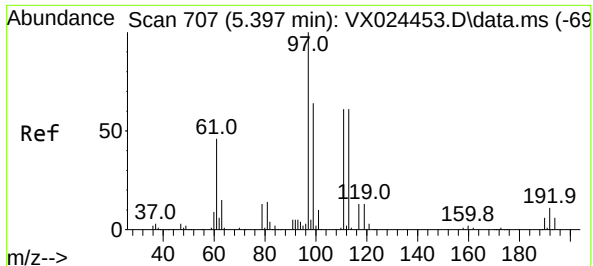
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

88 15.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.391 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024482.D

Acq: 24 Sep 2021 05:02

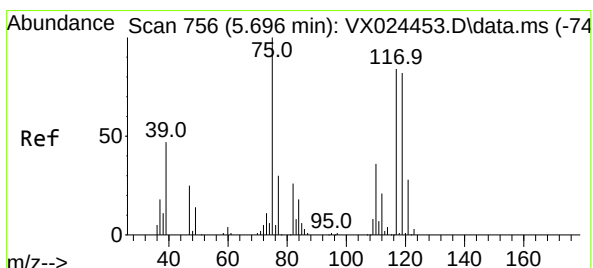
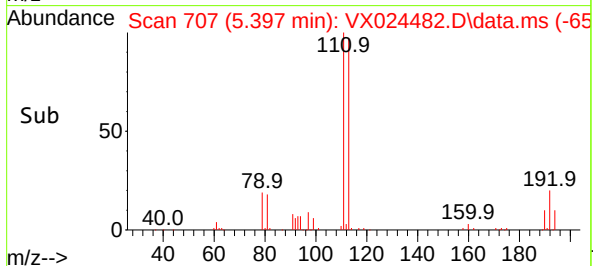
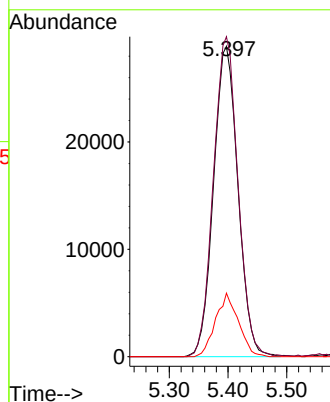
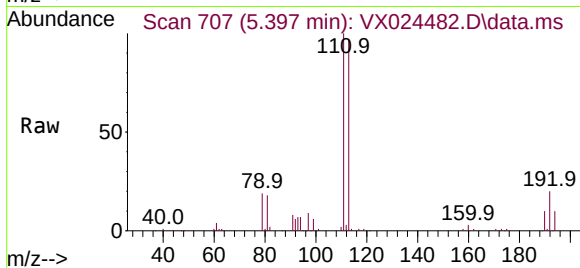
Tgt Ion:	113	Resp:	83566
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.9	122.9
192	19.2	16.7	25.1

Instrument :

MSVOA_X

ClientSampleId :

MW203D1-20210918



#36

1,1-Dichloropropene

Concen: 4.766 ug/l

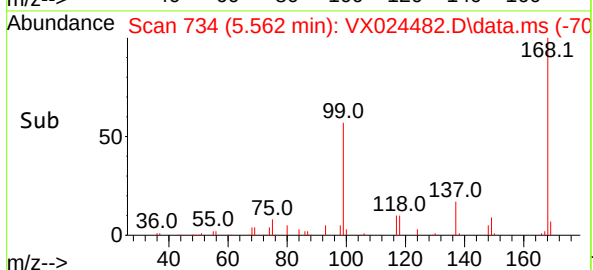
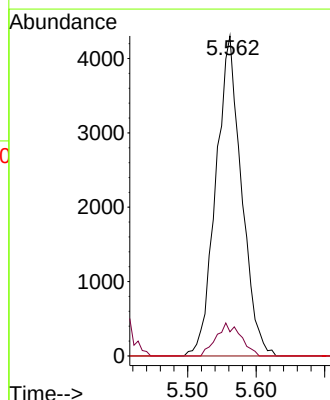
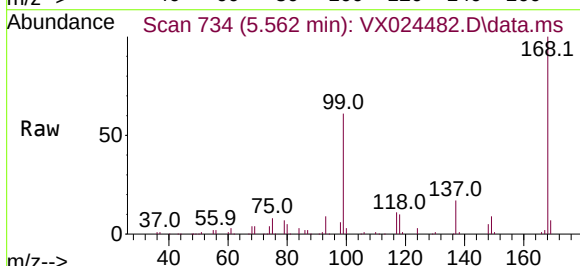
RT: 5.562 min Scan# 734

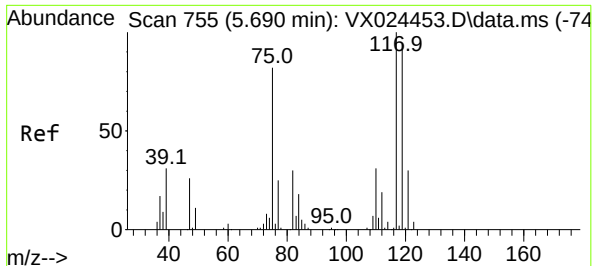
Delta R.T. -0.134 min

Lab File: VX024482.D

Acq: 24 Sep 2021 05:02

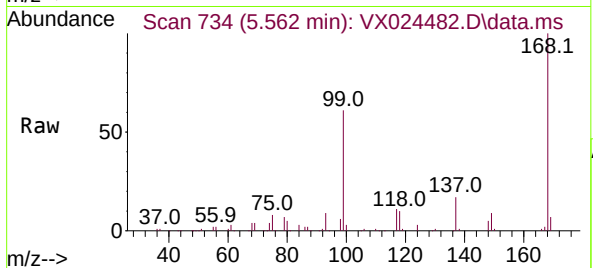
Tgt Ion:	75	Resp:	11183
Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.4#
77	0.0	25.3	37.9#



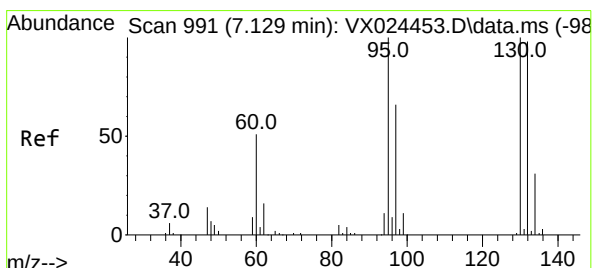
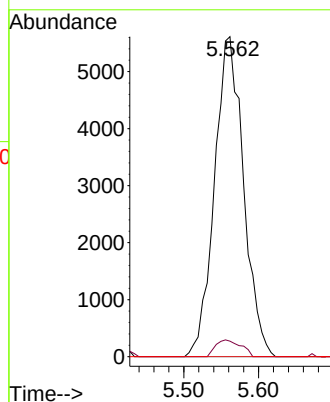
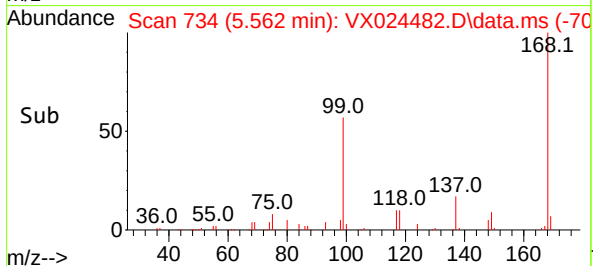


#38
Carbon Tetrachloride
Concen: 5.936 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02

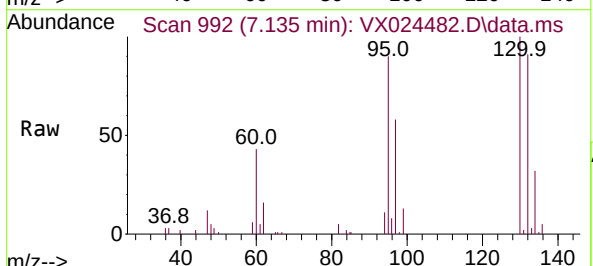
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20210918



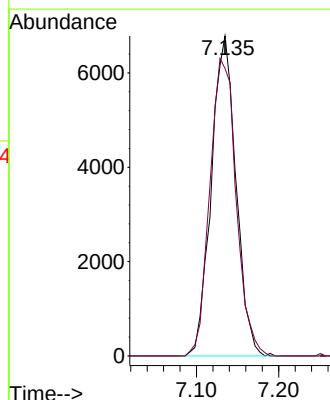
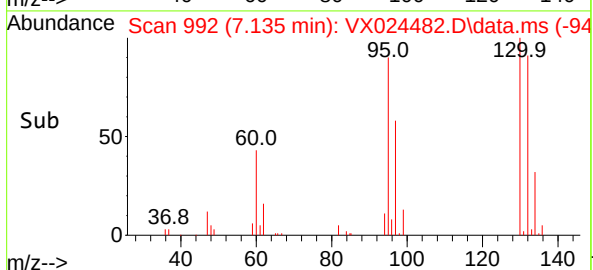
Tgt Ion:117 Resp: 15162
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#

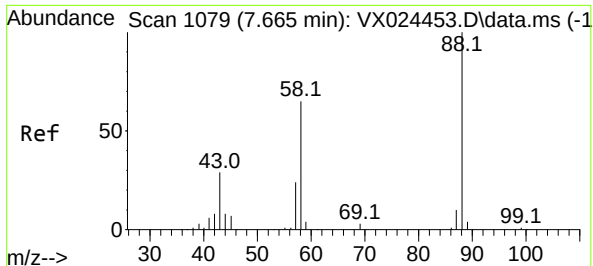


#44
Trichloroethene
Concen: 7.657 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02



Tgt Ion:130 Resp: 14135
Ion Ratio Lower Upper
130 100
95 89.8 0.0 198.0

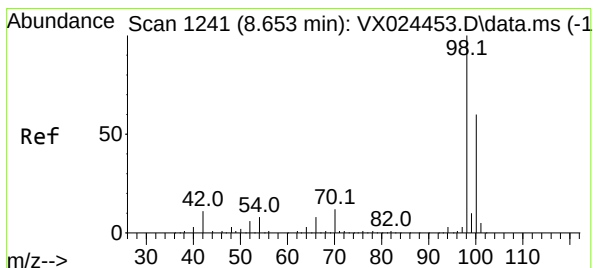
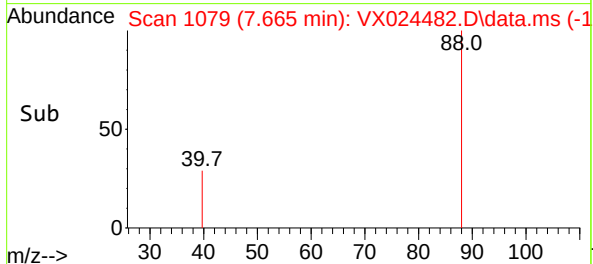
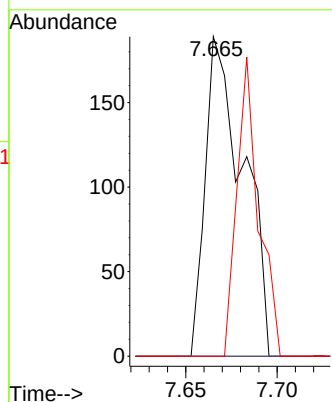
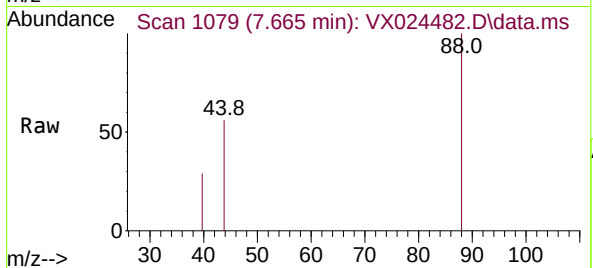




#49
1,4-Dioxane
Concen: 5.424 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.000 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02

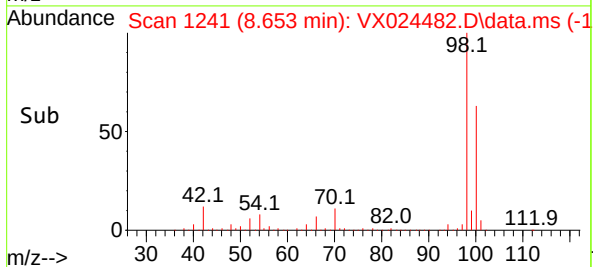
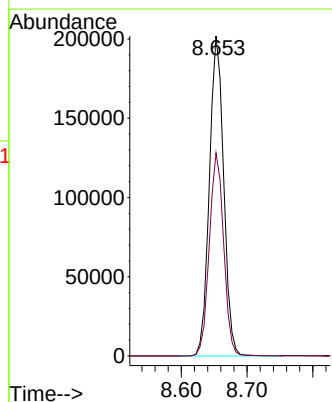
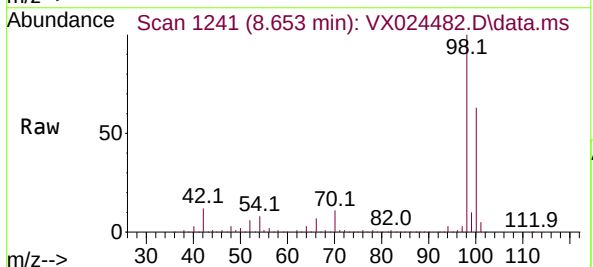
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20210918

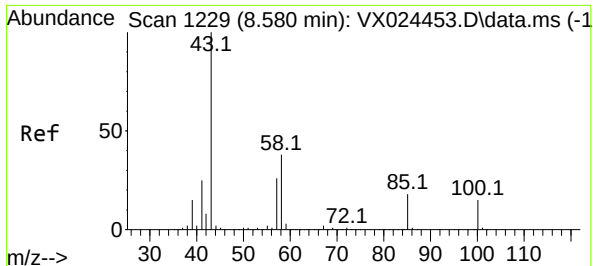
Tgt Ion: 88 Resp: 274
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 53.3 55.0 82.4#



#50
Toluene-d8
Concen: 51.050 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02

Tgt Ion: 98 Resp: 305526
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9

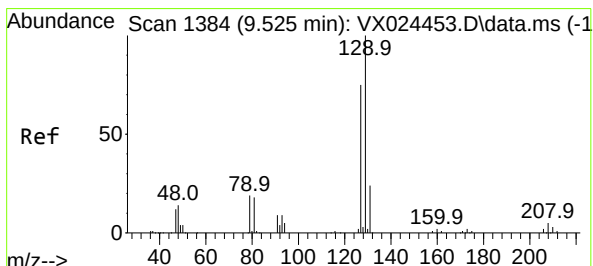
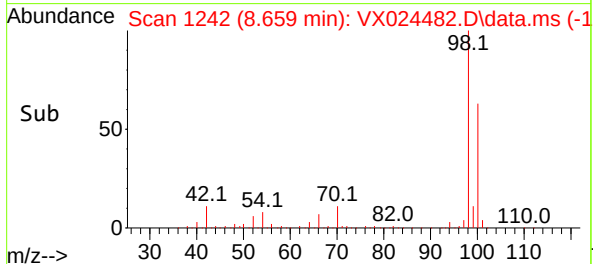
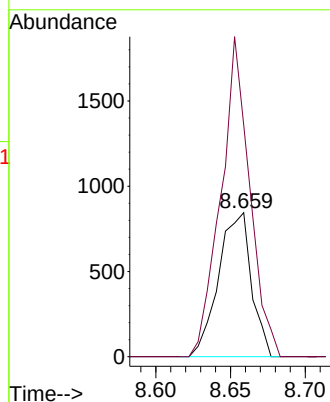
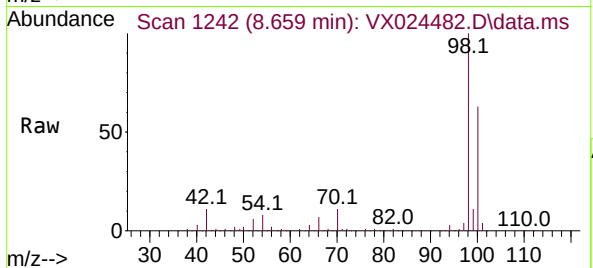




#51
4-Methyl-2-Pentanone
Concen: 0.439 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. 0.079 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02

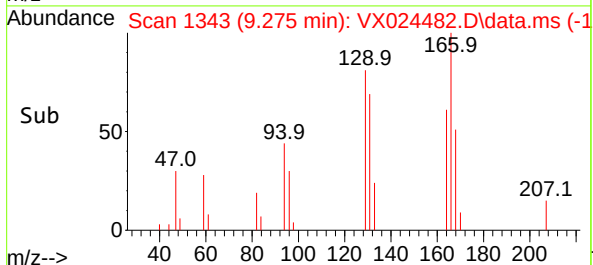
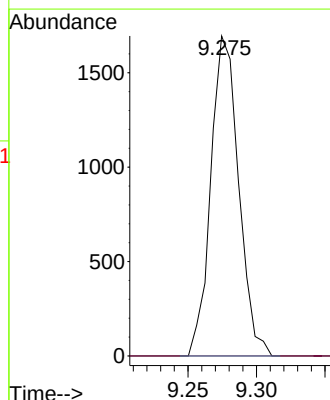
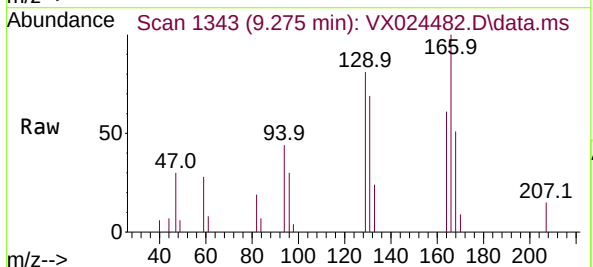
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20210918

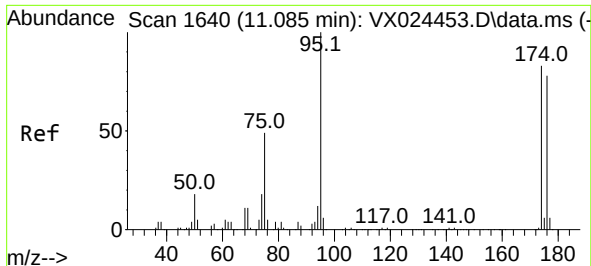
Tgt Ion: 43 Resp: 1290
Ion Ratio Lower Upper
43 100
58 195.3 35.4 53.0#



#60
Dibromochloromethane
Concen: 2.337 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02

Tgt Ion: 129 Resp: 2395
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

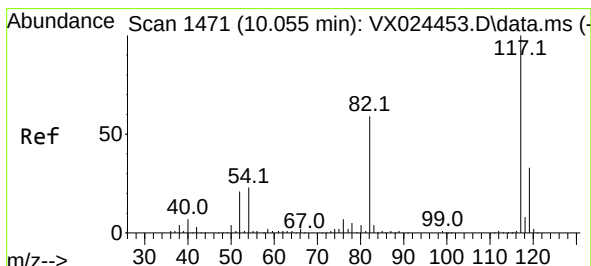
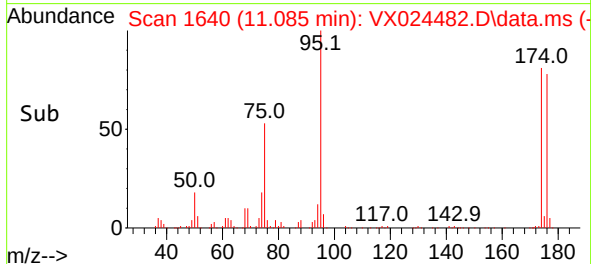
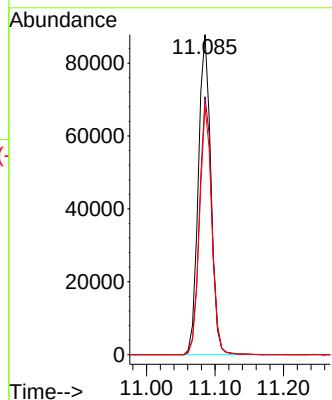
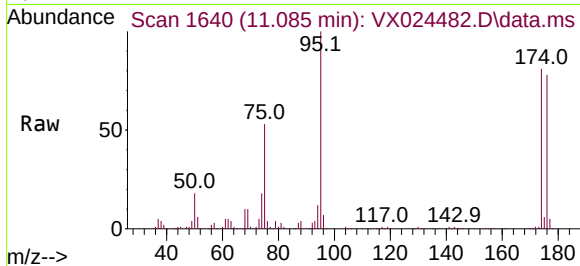




#62
4-Bromofluorobenzene
Concen: 47.428 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02

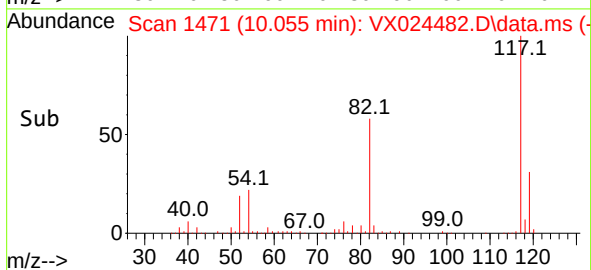
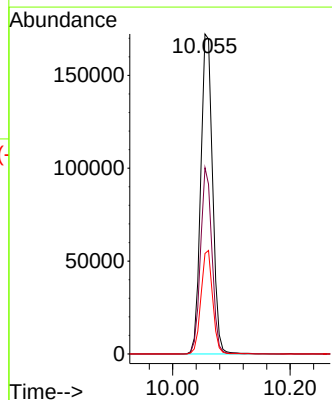
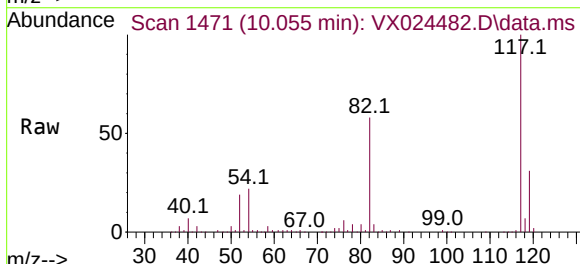
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20210918

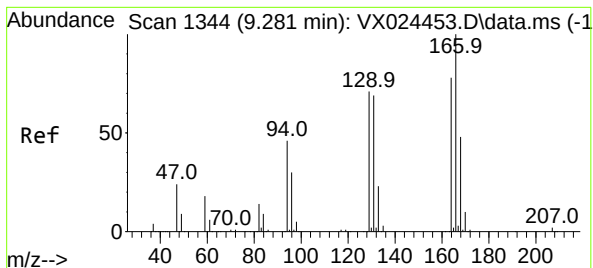
Tgt Ion: 95 Resp: 111604
Ion Ratio Lower Upper
95 100
174 79.9 0.0 154.6
176 76.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02

Tgt Ion: 117 Resp: 239775
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.2
119 31.4 26.6 39.8





#64

Tetrachloroethene

Concen: 1.355 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.000 min

Lab File: VX024482.D

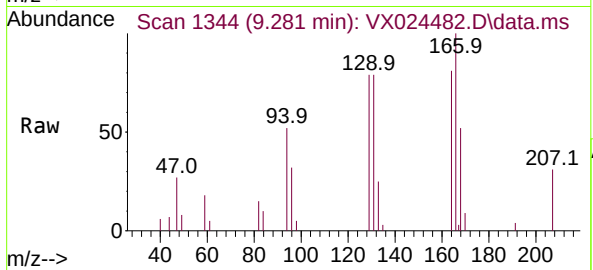
Acq: 24 Sep 2021 05:02

Instrument :

MSVOA_X

ClientSampleId :

MW203D1-20210918



Tgt Ion:164 Resp: 2249

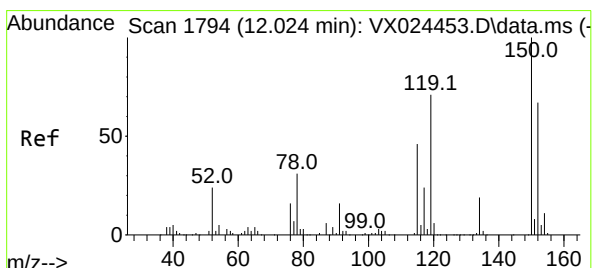
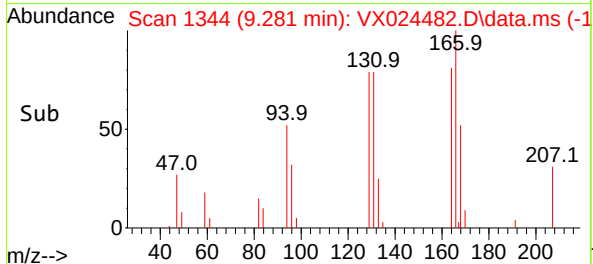
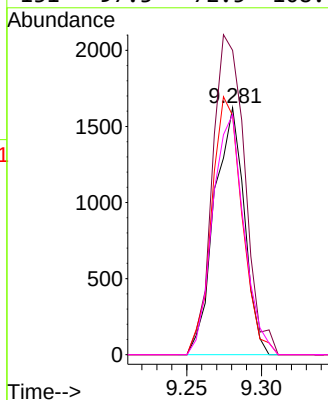
Ion Ratio Lower Upper

164 100

166 123.3 103.4 155.2

129 96.9 70.8 106.2

131 97.3 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: VX024482.D

Acq: 24 Sep 2021 05:02

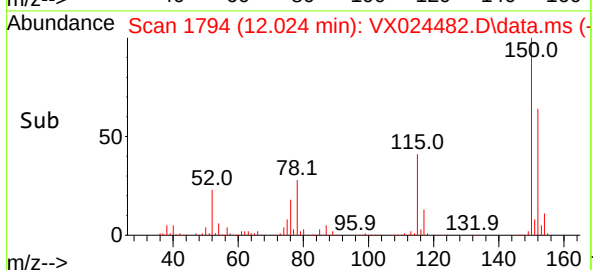
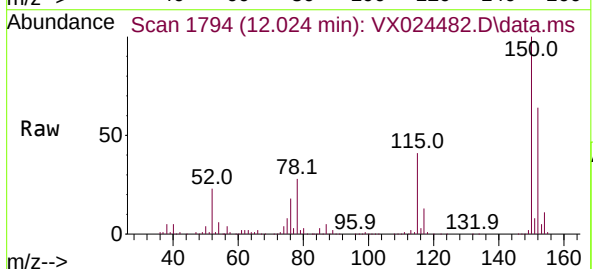
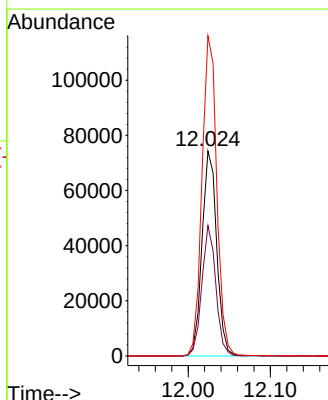
Tgt Ion:152 Resp: 92028

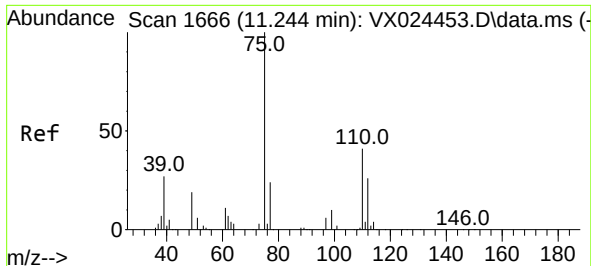
Ion Ratio Lower Upper

152 100

115 60.6 41.1 123.3

150 157.2 0.0 349.0

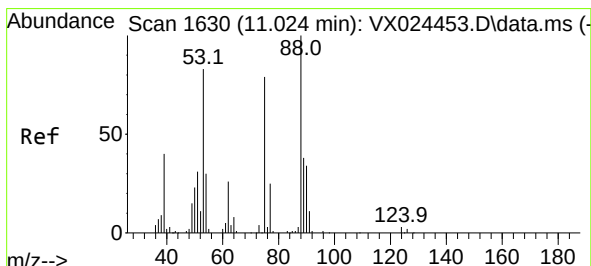
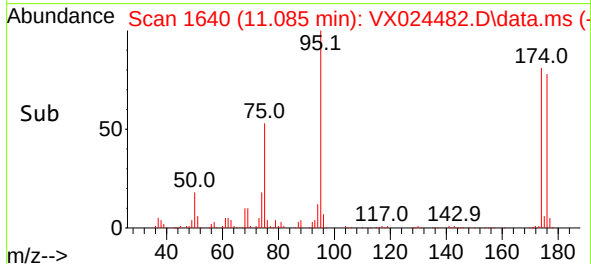
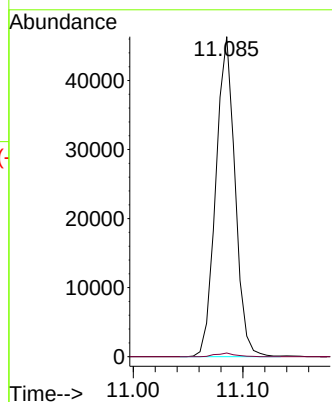
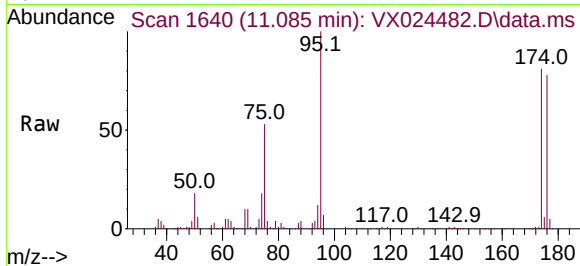




#76
1,2,3-Trichloropropane
Concen: 27.043 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02

Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20210918

Tgt Ion: 75 Resp: 56518
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.588 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024482.D
Acq: 24 Sep 2021 05:02

Tgt Ion: 75 Resp: 56518
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

