

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082021\
 Data File : VX023854.D
 Acq On : 19 Aug 2021 21:43
 Operator : JC/MD
 Sample : M3483-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BB-TT-VPB-RW7-DUP-20210816

Quant Time: Aug 20 03:16:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

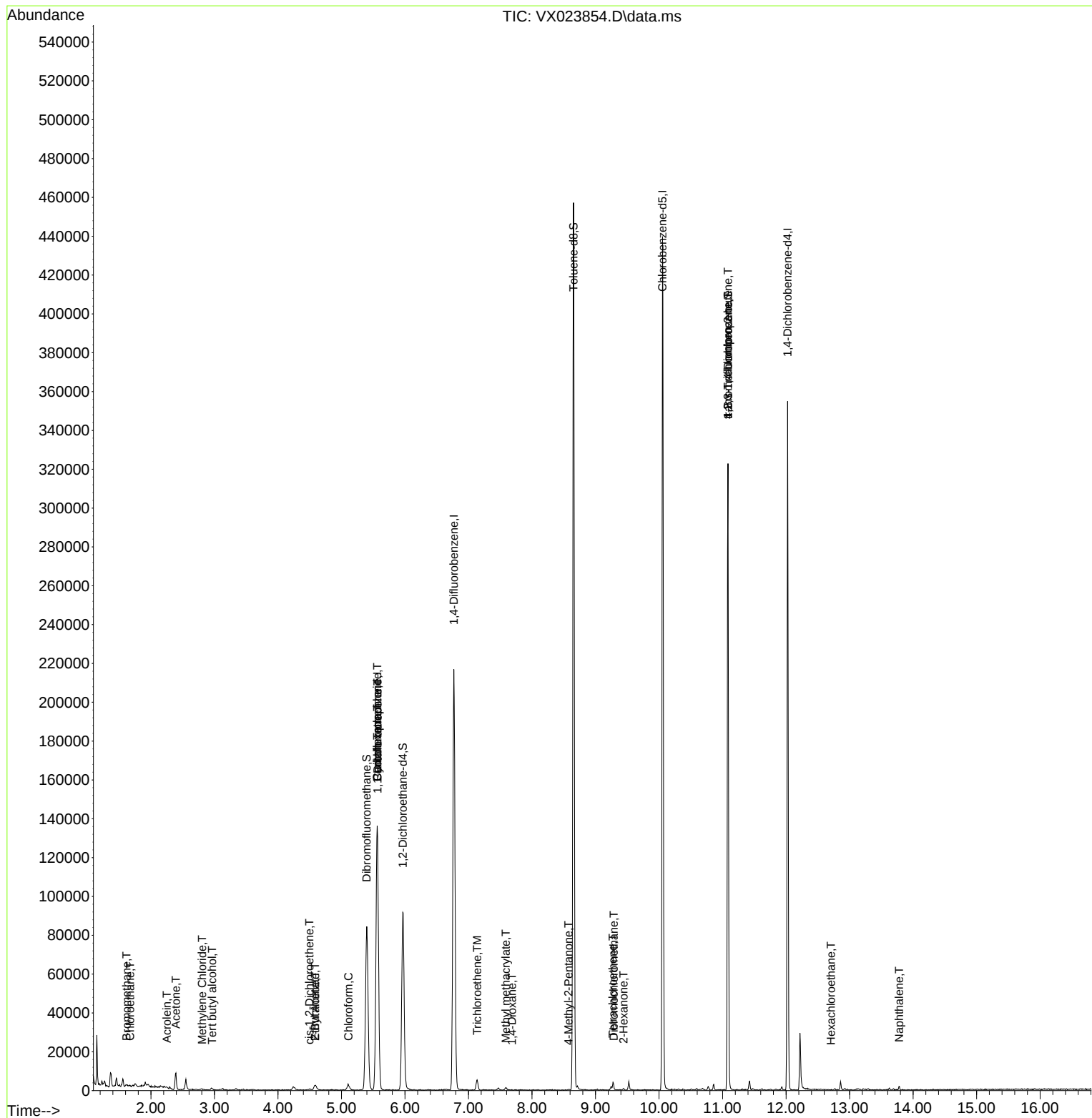
Internal Standards						
1) Pentafluorobenzene	5.562	168	125870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	215810	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	192367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	90219	51.356	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.720%			
35) Dibromofluoromethane	5.397	113	71249	49.881	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.760%			
50) Toluene-d8	8.653	98	264890	48.724	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.440%			
62) 4-Bromofluorobenzene	11.085	95	80025	39.986	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 79.980%#			
Target Compounds					Qvalue	
5) Bromomethane	1.618	94	512	0.573	ug/l	81
6) Chloroethane	1.672	64	190	2.370	ug/l #	43
11) Tert butyl alcohol	2.965	59	660	1.858	ug/l #	73
13) Acrolein	2.252	56	135	0.639	ug/l	98
16) Acetone	2.392	43	9037	11.505	ug/l #	86
20) Methylene Chloride	2.806	84	447	0.298	ug/l #	60
25) 2-Butanone	4.587	43	2918	2.453	ug/l #	87
27) cis-1,2-Dichloroethene	4.495	96	319	0.208	ug/l	81
30) Chloroform	5.111	83	3118	1.193	ug/l #	78
31) Cyclohexane	5.562	56	3043	1.348	ug/l #	12
36) 1,1-Dichloropropene	5.568	75	9593	4.800	ug/l #	51
37) Ethyl Acetate	4.587	43	2918	1.188	ug/l #	64
38) Carbon Tetrachloride	5.562	117	13026	6.250	ug/l #	16
44) Trichloroethene	7.135	130	2011	1.232	ug/l	96
48) Methyl methacrylate	7.586	41	417	0.222	ug/l #	15
49) 1,4-Dioxane	7.684	88	27	0.682	ug/l #	24
51) 4-Methyl-2-Pentanone	8.574	43	497	0.200	ug/l #	32
59) 2-Hexanone	9.439	43	482	0.252	ug/l	65
60) Dibromochloromethane	9.287	129	613	2.028	ug/l #	11
64) Tetrachloroethene	9.275	164	612	0.398	ug/l #	77
76) 1,2,3-Trichloropropane	11.085	75	43172	27.972	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	43172	82.280	ug/l #	12
90) Hexachloroethane	12.707	117	31	1.507	ug/l #	9
95) Naphthalene	13.780	128	1471	1.579	ug/l #	84

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

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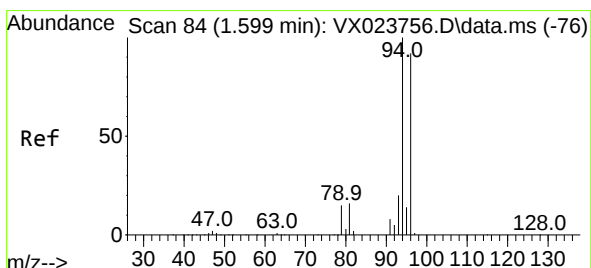
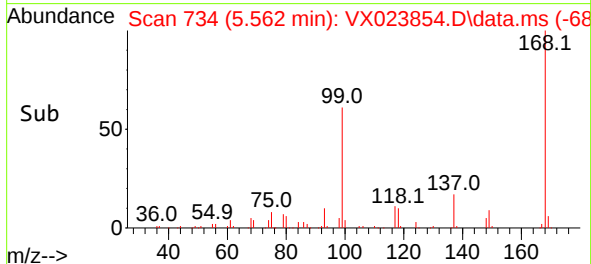
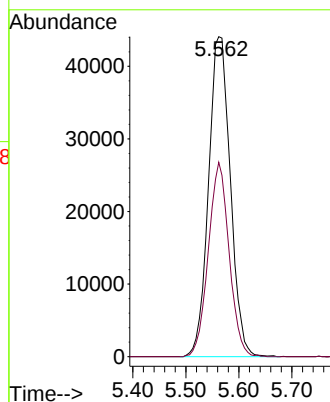
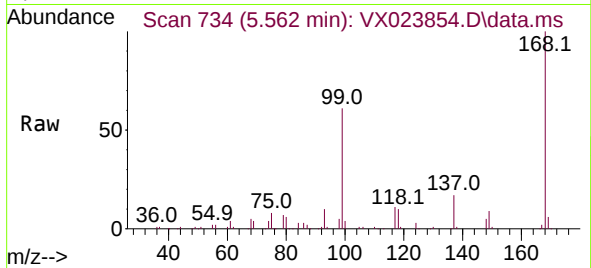




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

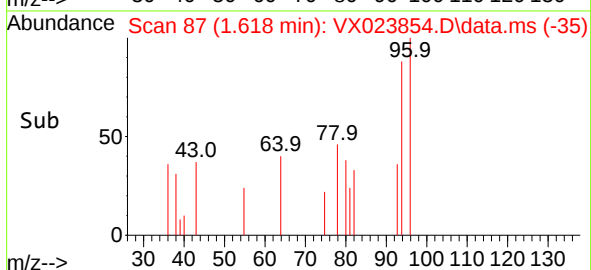
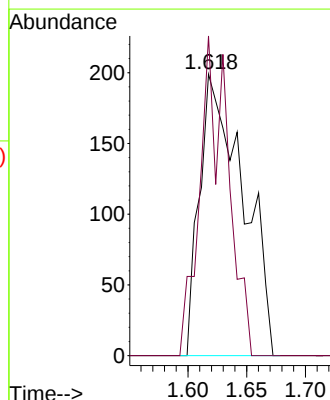
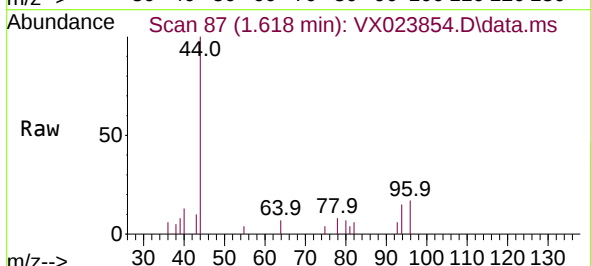
Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-DUP-20210816

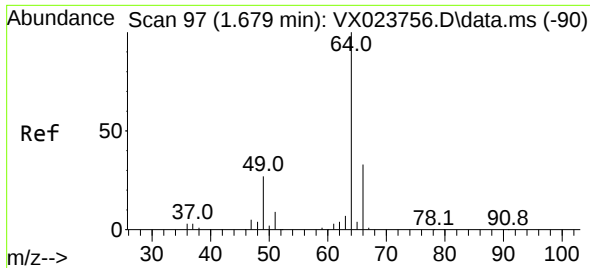
Tgt Ion:168 Resp: 125870
Ion Ratio Lower Upper
168 100
99 60.8 45.8 68.6



#5
Bromomethane
Concen: 0.573 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

Tgt Ion: 94 Resp: 512
Ion Ratio Lower Upper
94 100
96 113.6 76.4 114.6

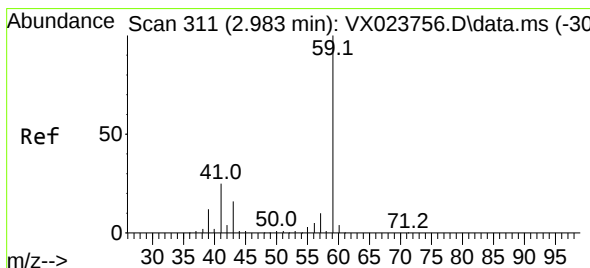
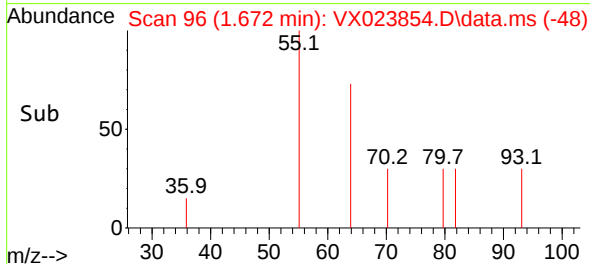
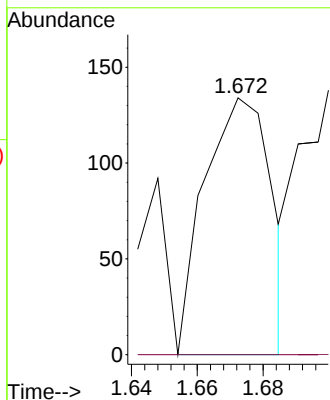
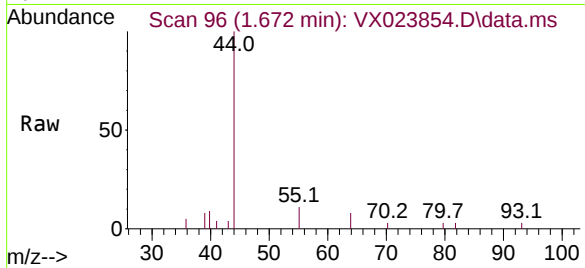




#6
Chloroethane
Concen: 2.370 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

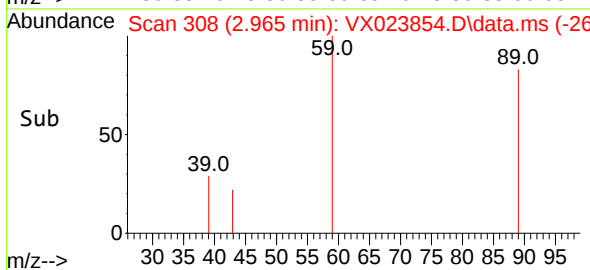
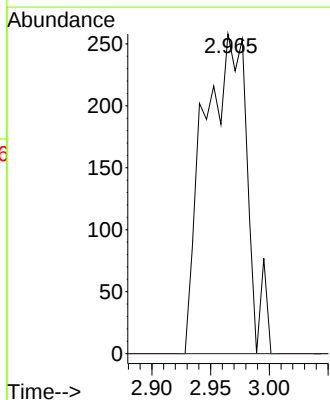
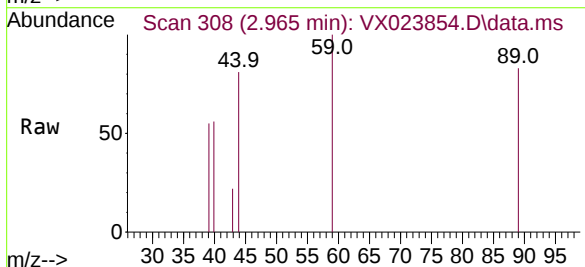
Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-DUP-20210816

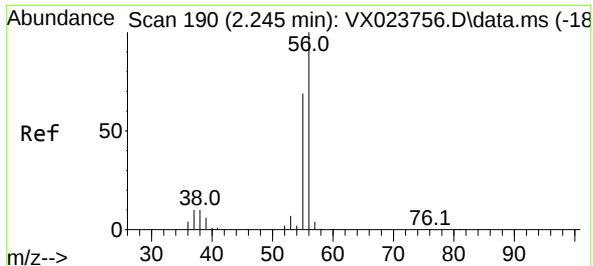
Tgt Ion: 64 Resp: 190
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 1.858 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

Tgt Ion: 59 Resp: 660
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

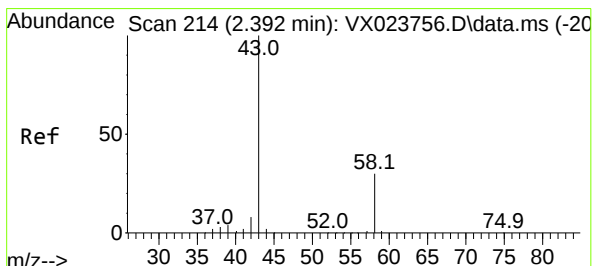
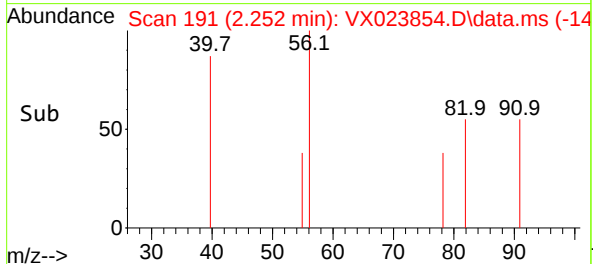
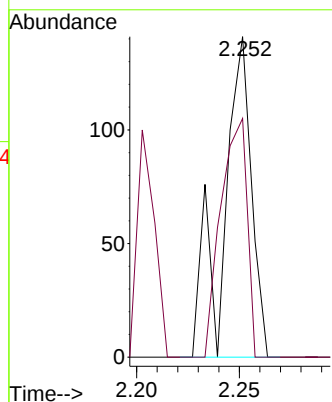
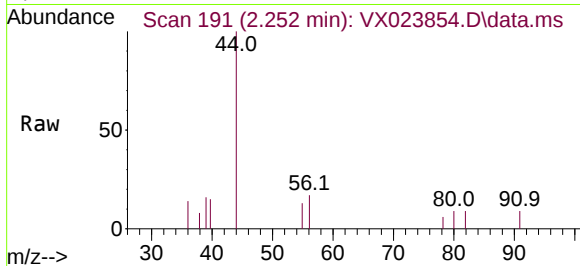




#13
Acrolein
Concen: 0.639 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.007 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

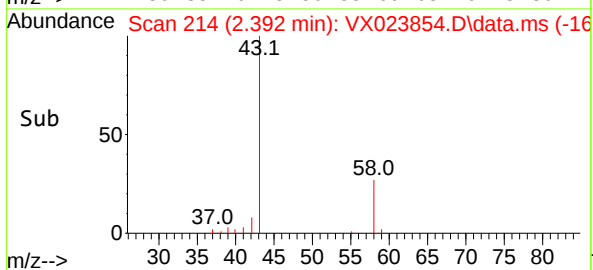
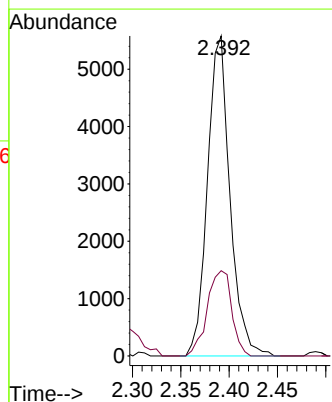
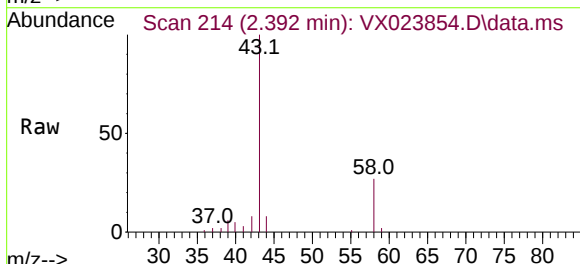
Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-DUP-20210816

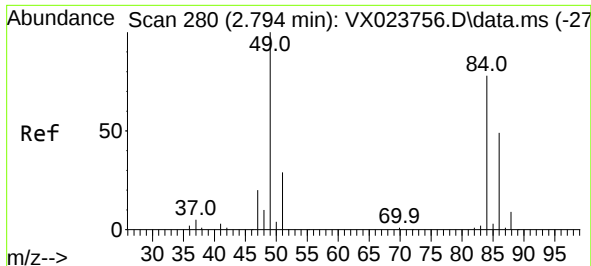
Tgt Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 68.9 56.4 84.6



#16
Acetone
Concen: 11.505 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

Tgt Ion: 43 Resp: 9037
Ion Ratio Lower Upper
43 100
58 26.6 27.8 41.8#

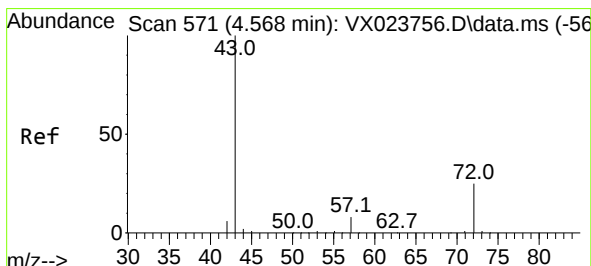
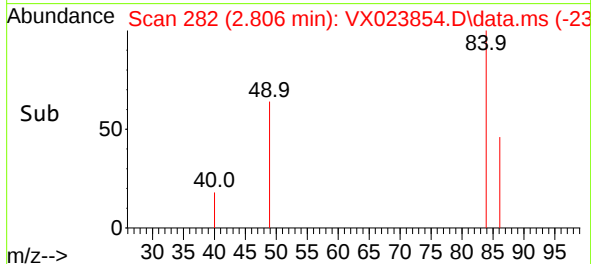
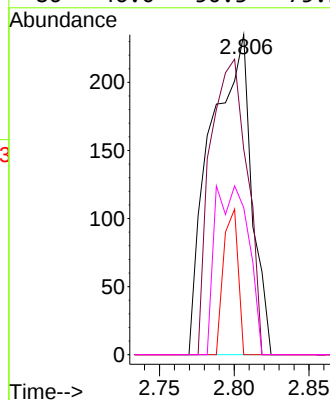
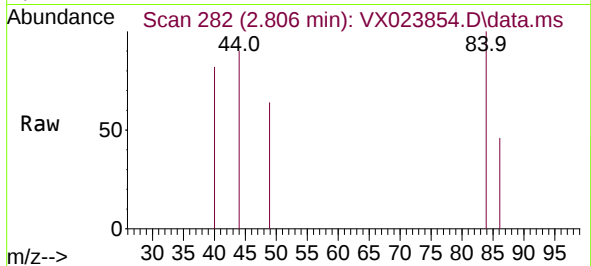




#20
Methylene Chloride
Concen: 0.298 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.012 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

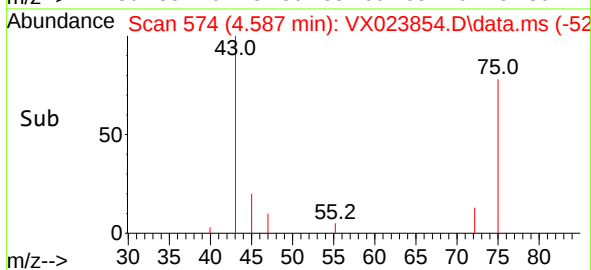
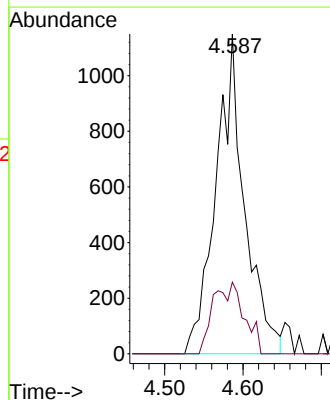
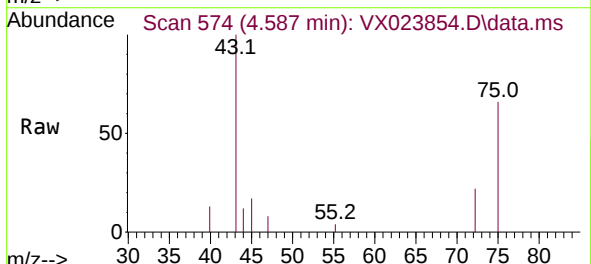
Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-DUP-20210816

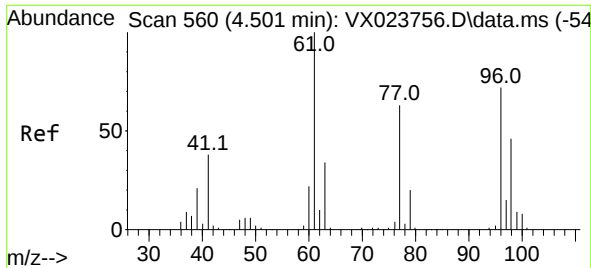
Tgt Ion: 84	Resp: 447
Ion Ratio	Lower Upper
84	100
49	64.3 88.6 132.8#
51	0.0 27.0 40.6#
86	46.0 50.3 75.5#



#25
2-Butanone
Concen: 2.453 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

Tgt Ion: 43	Resp: 2918
Ion Ratio	Lower Upper
43	100
72	22.4 23.7 35.5#





#27

cis-1,2-Dichloroethene

Concen: 0.208 ug/l

RT: 4.495 min Scan# 559

Delta R.T. -0.006 min

Lab File: VX023854.D

Acq: 19 Aug 2021 21:43

Tgt Ion: 96 Resp: 319

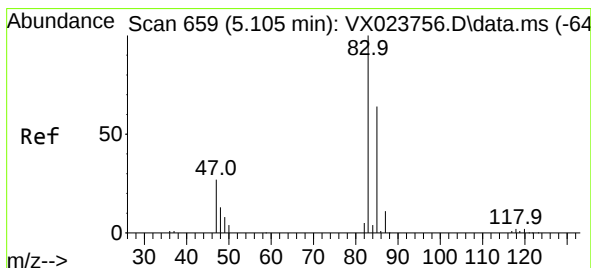
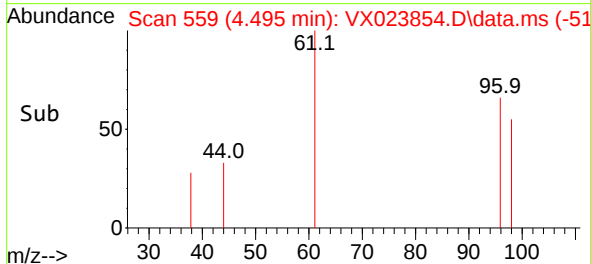
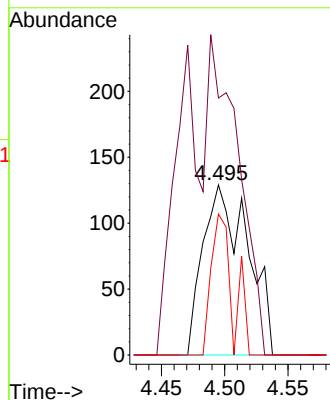
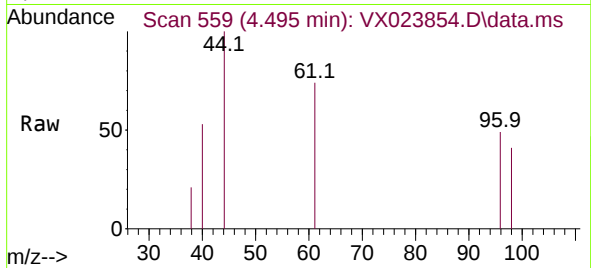
Ion	Ratio	Lower	Upper
96	100		
61	127.6	0.0	285.6
98	39.5	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

BB-TT-VPB-RW7-DUP-20210816



#30

Chloroform

Concen: 1.193 ug/l

RT: 5.111 min Scan# 660

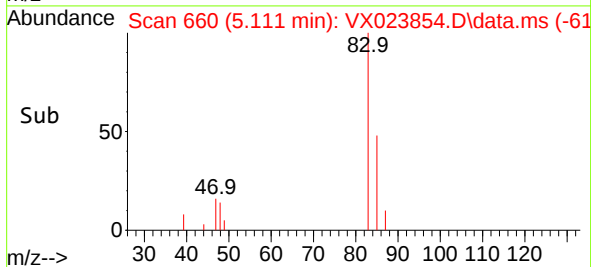
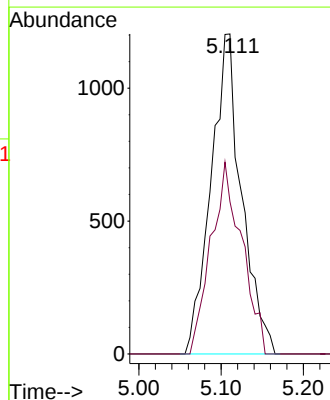
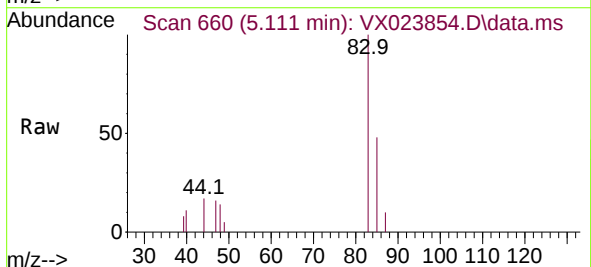
Delta R.T. 0.006 min

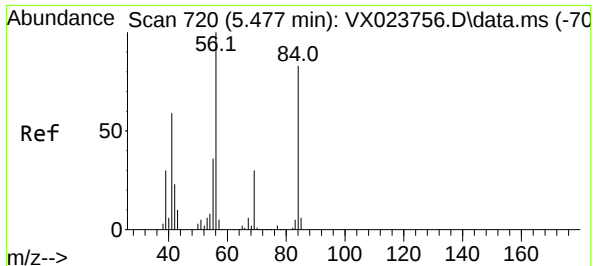
Lab File: VX023854.D

Acq: 19 Aug 2021 21:43

Tgt Ion: 83 Resp: 3118

Ion	Ratio	Lower	Upper
83	100		
85	47.6	52.0	78.0#

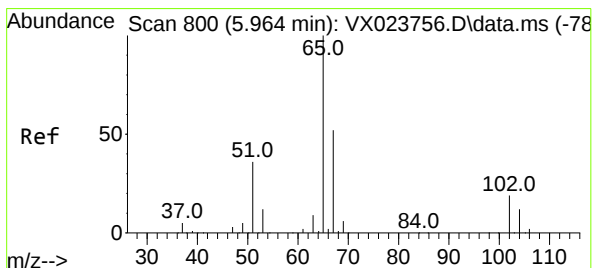
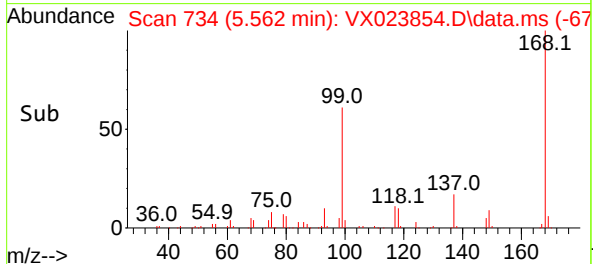
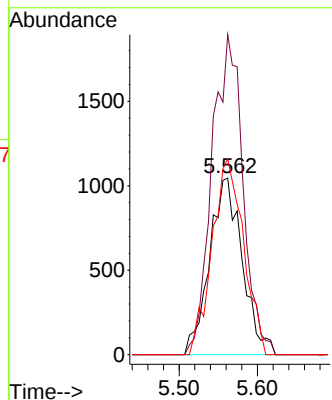
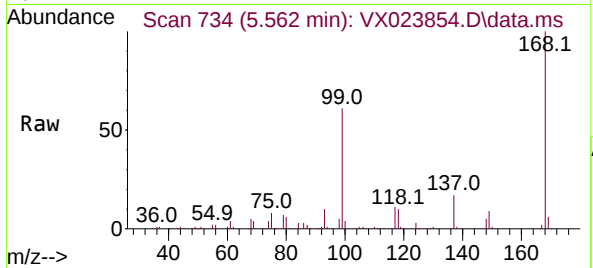




#31
Cyclohexane
Concen: 1.348 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

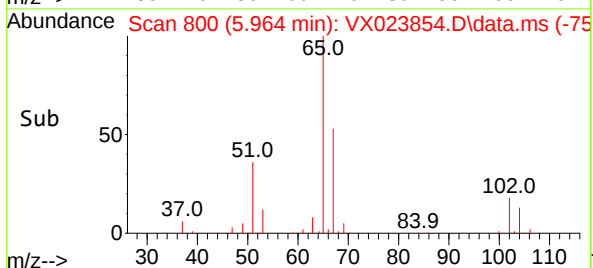
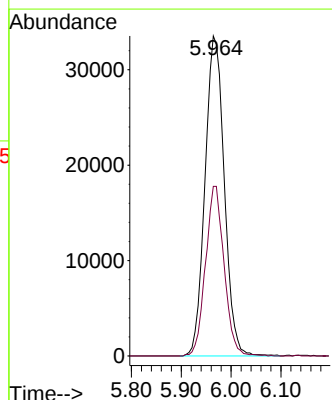
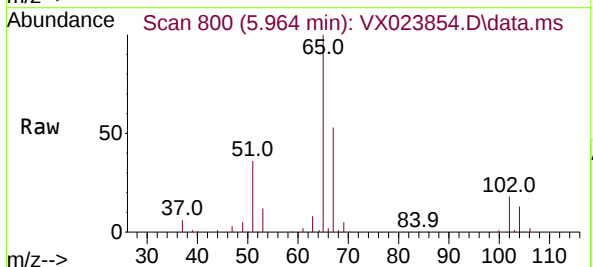
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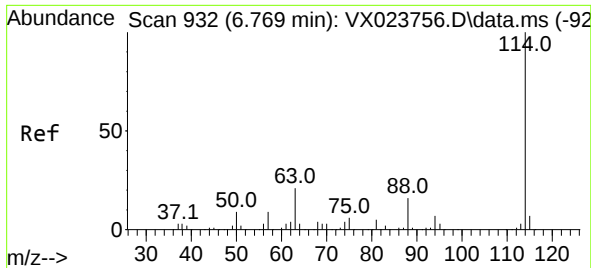
Tgt Ion: 56 Resp: 3043
Ion Ratio Lower Upper
56 100
69 181.2 25.3 37.9#
84 110.9 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.356 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

Tgt Ion: 65 Resp: 90219
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.4

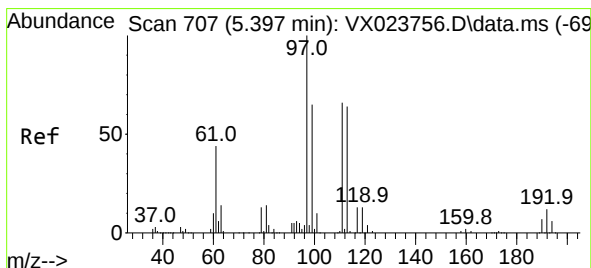
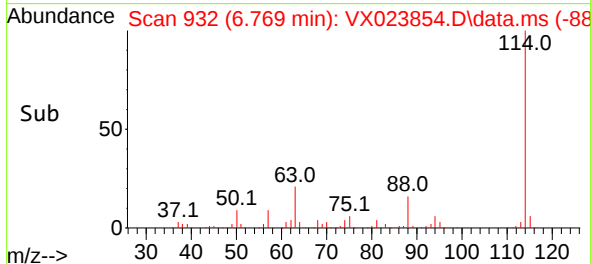
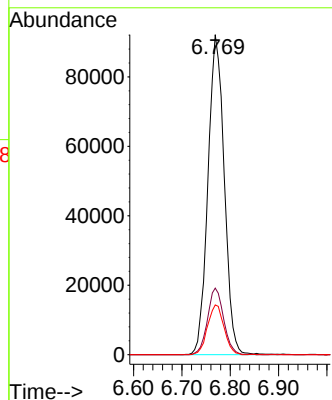
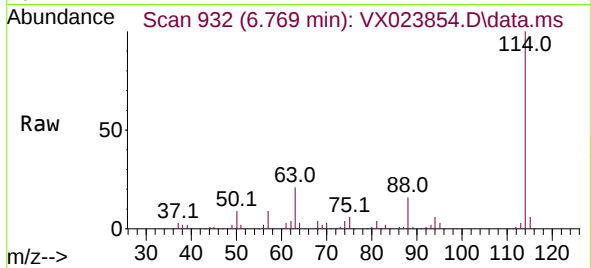




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

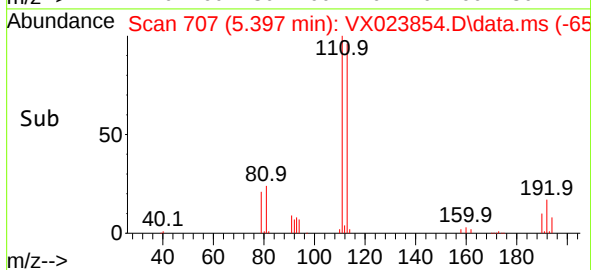
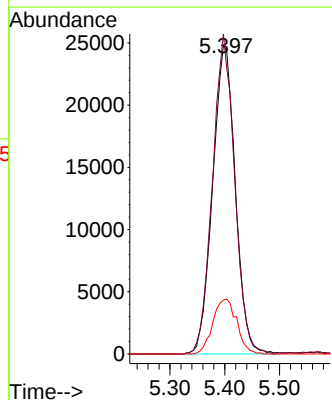
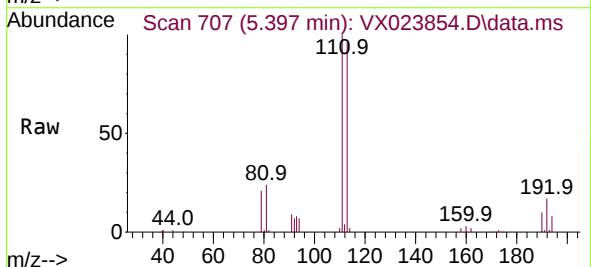
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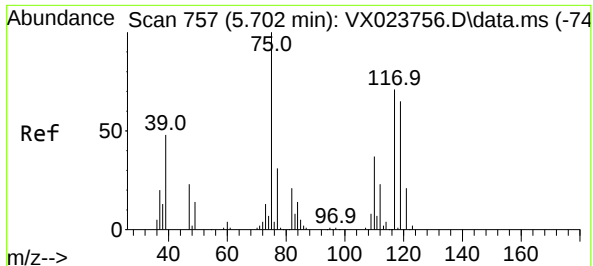
Tgt Ion:114 Resp: 215810
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 15.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.881 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

Tgt Ion:113 Resp: 71249
Ion Ratio Lower Upper
113 100
111 101.0 81.9 122.9
192 18.8 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.800 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX023854.D

Acq: 19 Aug 2021 21:43

Tgt Ion: 75 Resp: 9593

Ion Ratio Lower Upper

75 100

110 11.6 18.1 54.4#

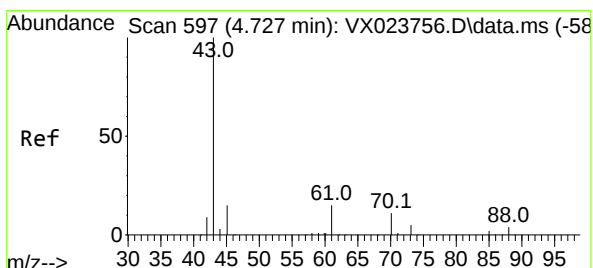
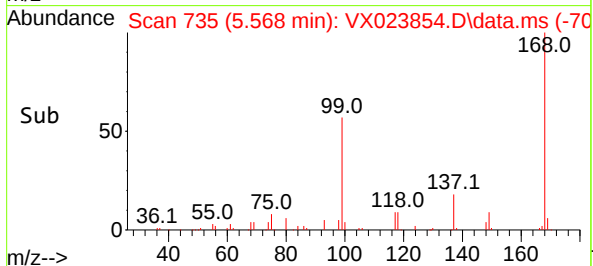
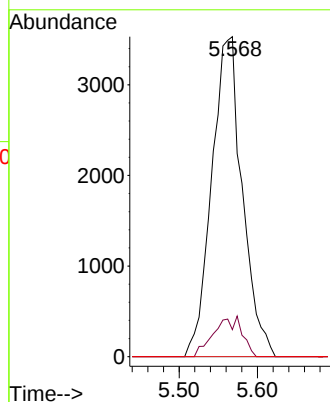
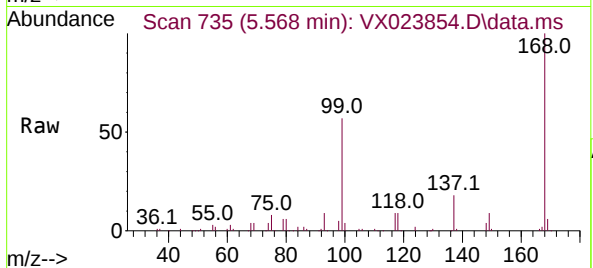
77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :

BB-TT-VPB-RW7-DUP-20210816



#37

Ethyl Acetate

Concen: 1.188 ug/l

RT: 4.587 min Scan# 574

Delta R.T. -0.141 min

Lab File: VX023854.D

Acq: 19 Aug 2021 21:43

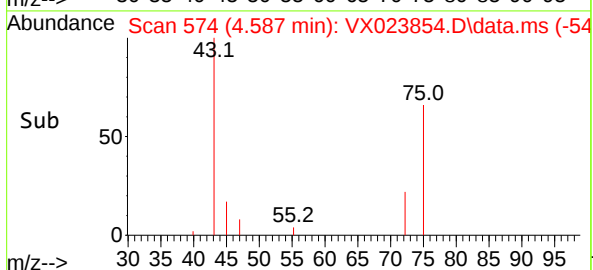
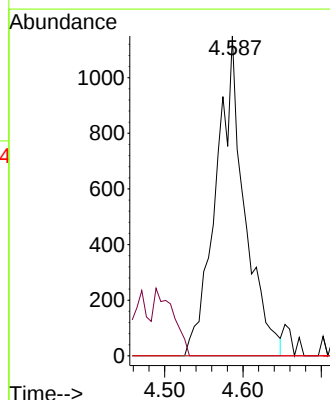
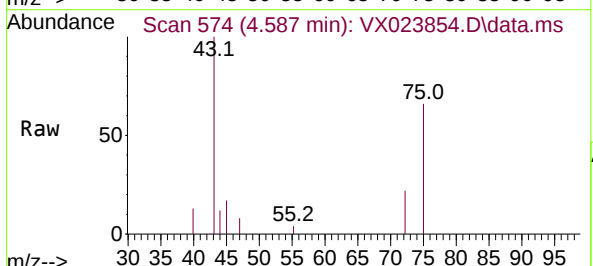
Tgt Ion: 43 Resp: 2918

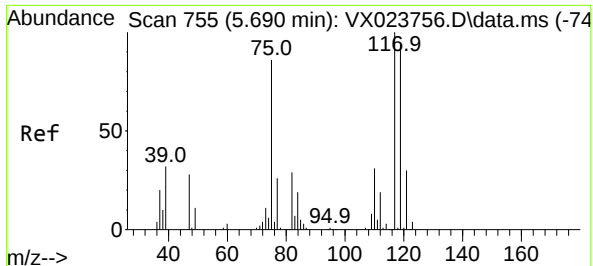
Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

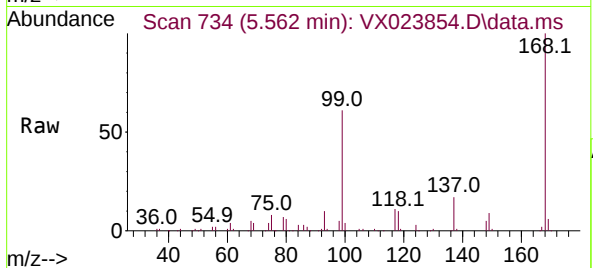
70 0.0 10.5 15.7#



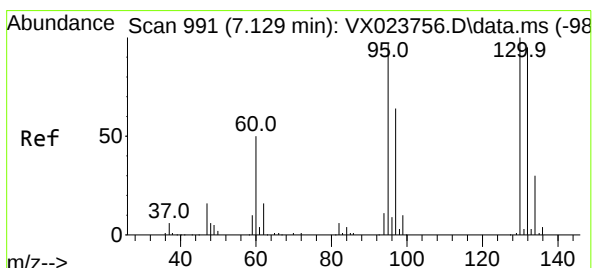
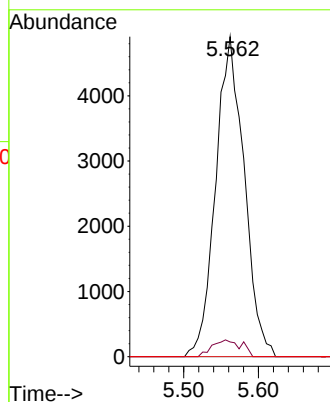
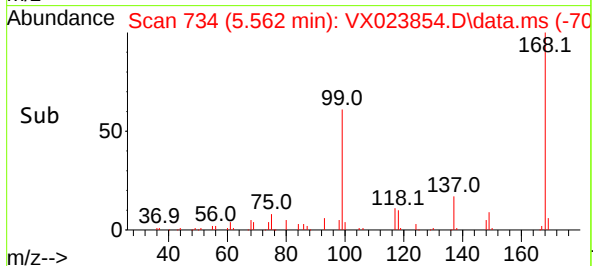


#38
Carbon Tetrachloride
Concen: 6.250 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

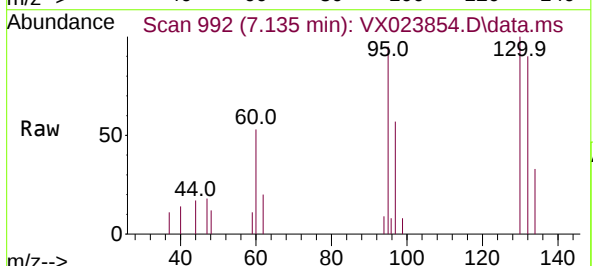
Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-DUP-20210816



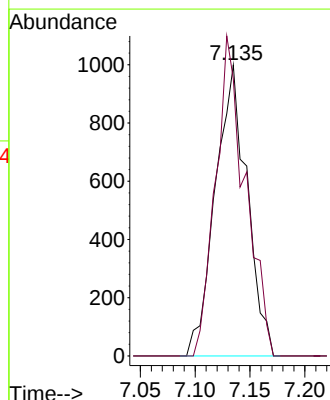
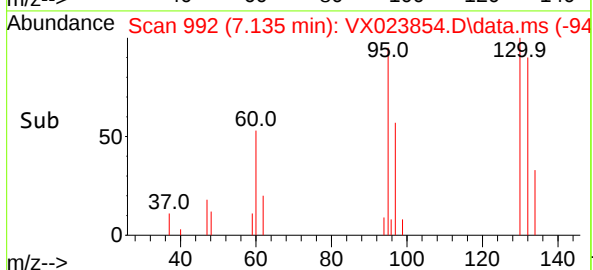
Tgt Ion:117 Resp: 13026
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 24.8 37.2#

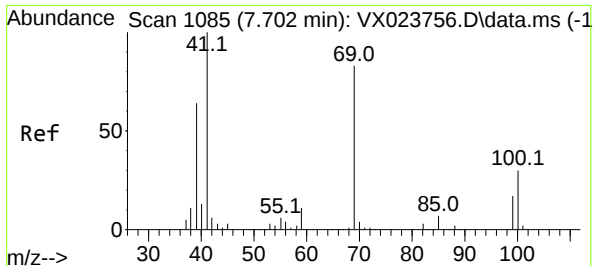


#44
Trichloroethene
Concen: 1.232 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43



Tgt Ion:130 Resp: 2011
Ion Ratio Lower Upper
130 100
95 95.2 0.0 198.0





#48

Methyl methacrylate

Concen: 0.222 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. -0.116 min

Lab File: VX023854.D

Acq: 19 Aug 2021 21:43

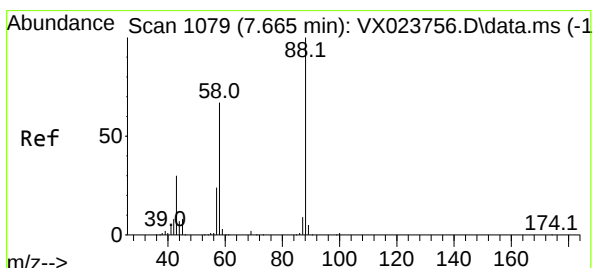
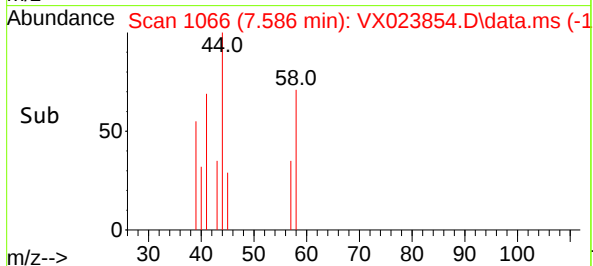
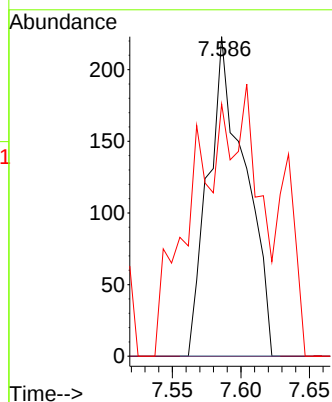
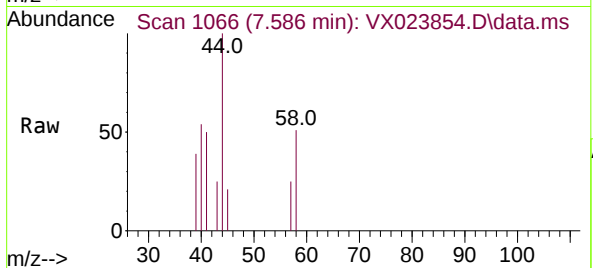
Tgt Ion:	41	Resp:	417
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	101.0	44.6	67.0#

Instrument :

MSVOA_X

ClientSampleId :

BB-TT-VPB-RW7-DUP-20210816



#49

1,4-Dioxane

Concen: 0.682 ug/l

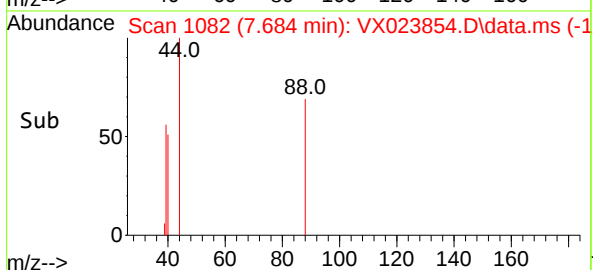
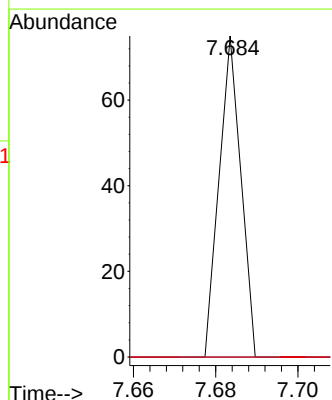
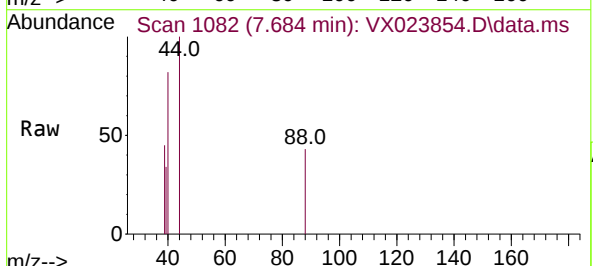
RT: 7.684 min Scan# 1082

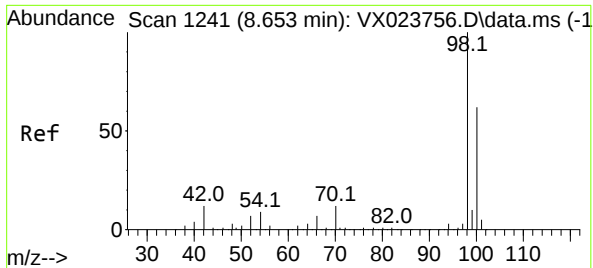
Delta R.T. 0.019 min

Lab File: VX023854.D

Acq: 19 Aug 2021 21:43

Tgt Ion:	88	Resp:	27
Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.2	34.8#
58	0.0	55.0	82.4#

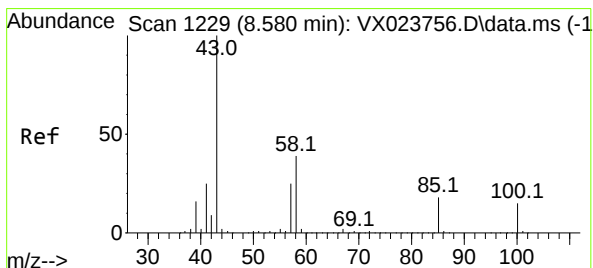
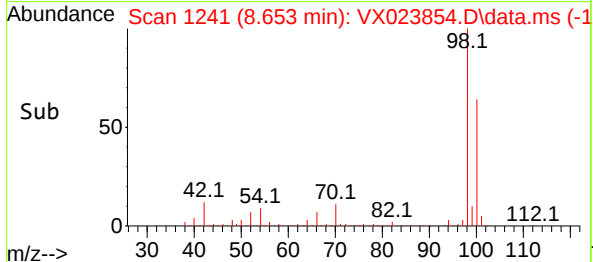
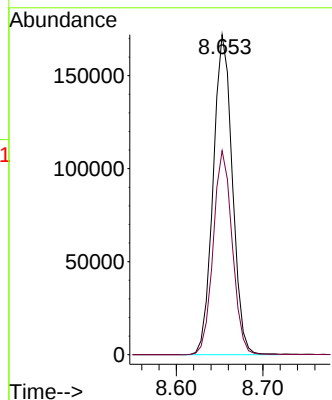
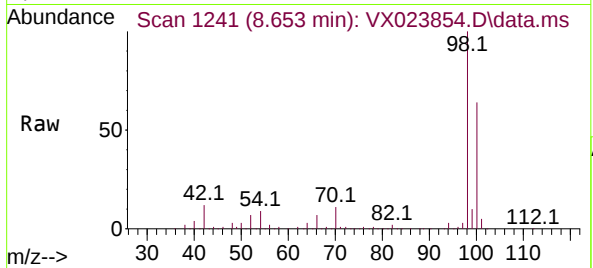




#50
Toluene-d8
Concen: 48.724 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

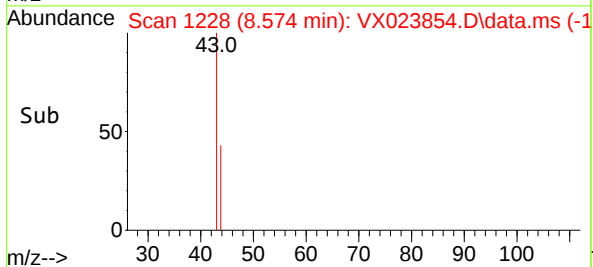
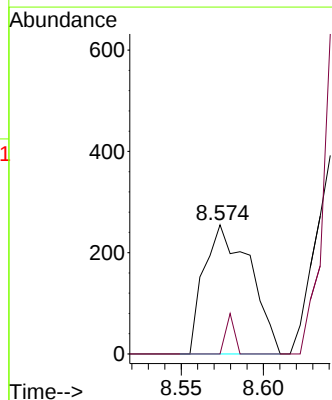
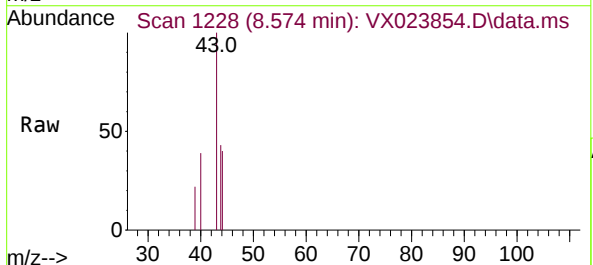
Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-DUP-20210816

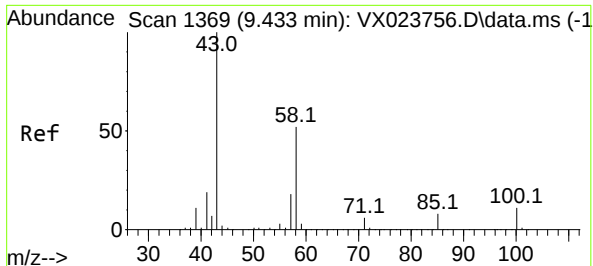
Tgt Ion: 98 Resp: 264890
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.200 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

Tgt Ion: 43 Resp: 497
Ion Ratio Lower Upper
43 100
58 0.0 35.4 53.0#

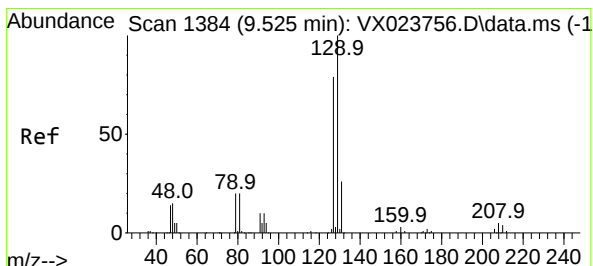
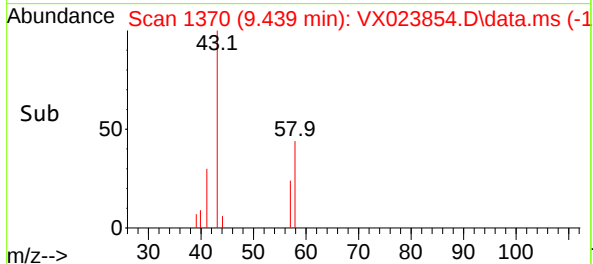
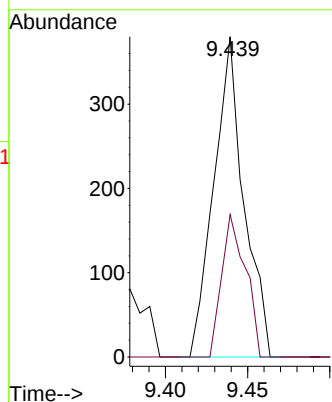
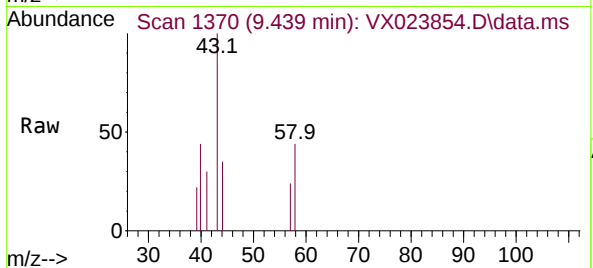




#59
2-Hexanone
Concen: 0.252 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

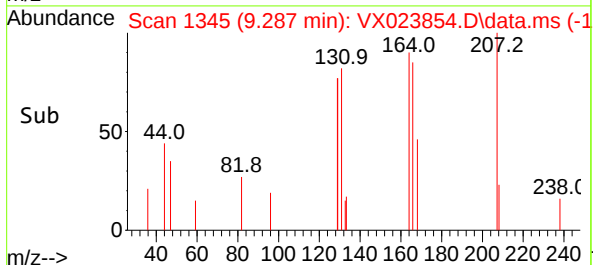
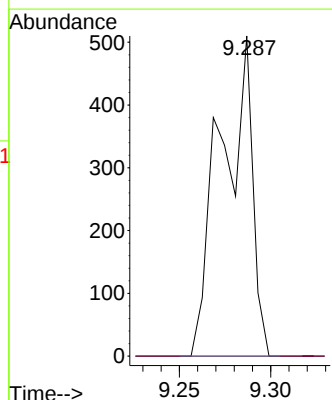
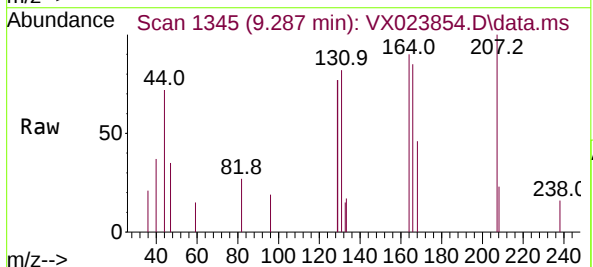
Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-DUP-20210816

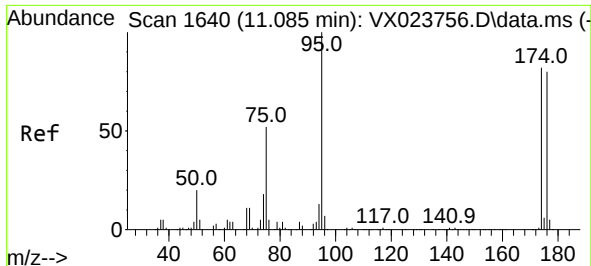
Tgt Ion: 43 Resp: 482
Ion Ratio Lower Upper
43 100
58 35.3 30.9 92.8



#60
Dibromochloromethane
Concen: 2.028 ug/l
RT: 9.287 min Scan# 1345
Delta R.T. -0.238 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

Tgt Ion: 129 Resp: 613
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

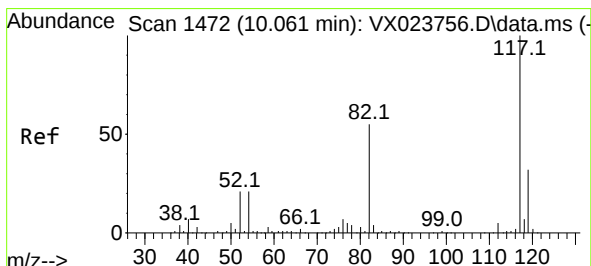
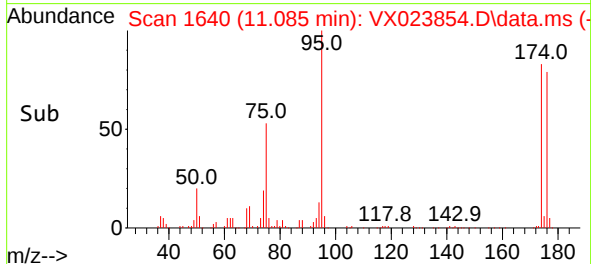
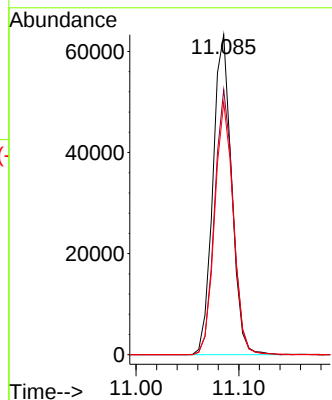
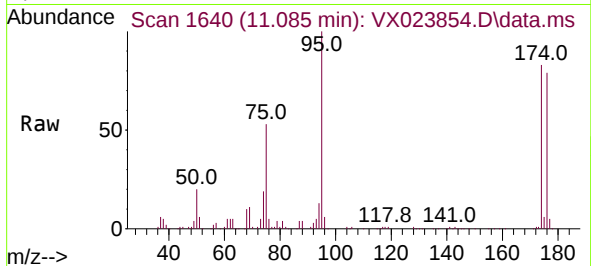




#62
4-Bromofluorobenzene
Concen: 39.986 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

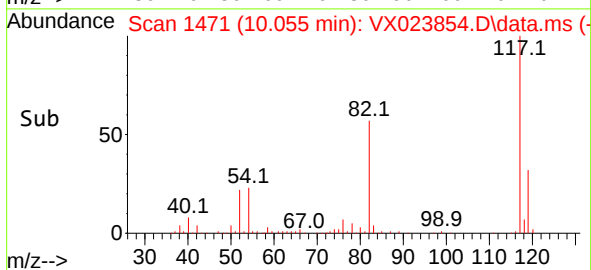
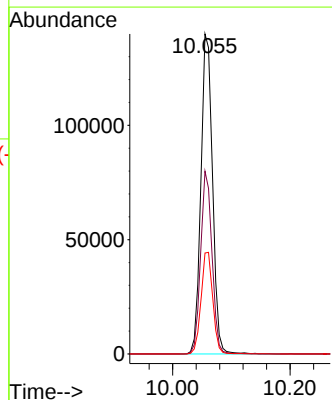
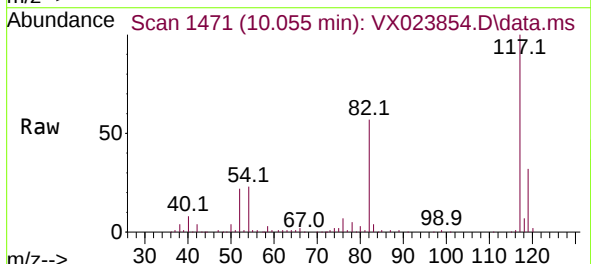
Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-DUP-20210816

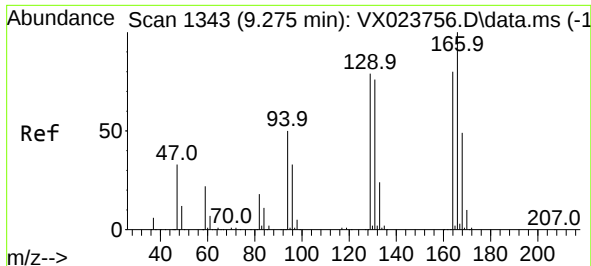
Tgt Ion: 95 Resp: 80025
Ion Ratio Lower Upper
95 100
174 82.4 0.0 154.6
176 78.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

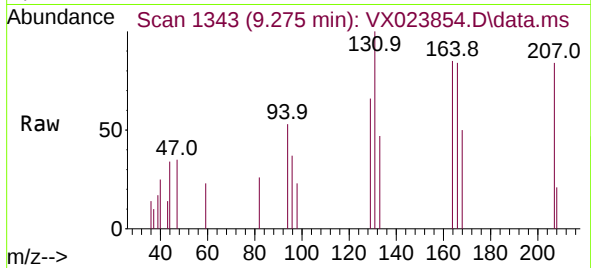
Tgt Ion: 117 Resp: 192367
Ion Ratio Lower Upper
117 100
82 57.1 47.4 71.2
119 31.6 26.6 39.8



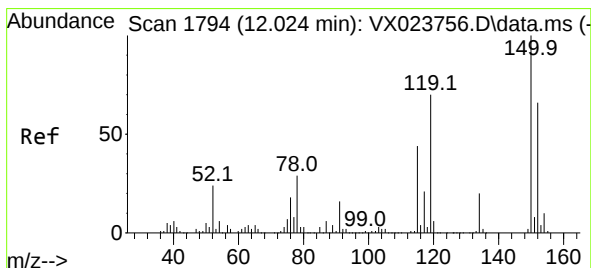
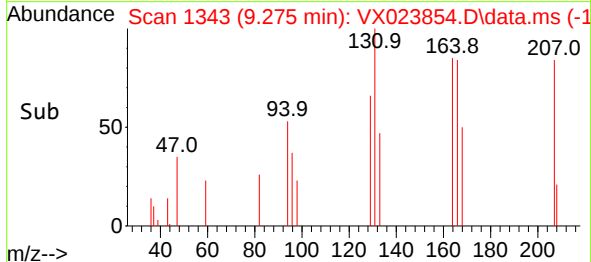
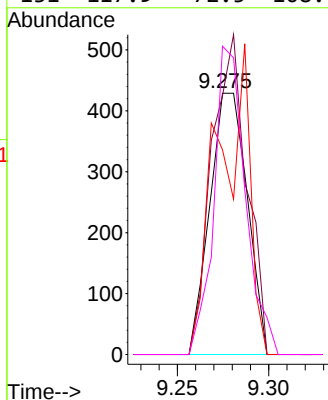


#64
Tetrachloroethene
Concen: 0.398 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-DUP-20210816

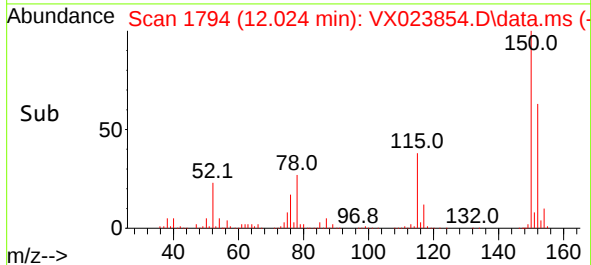
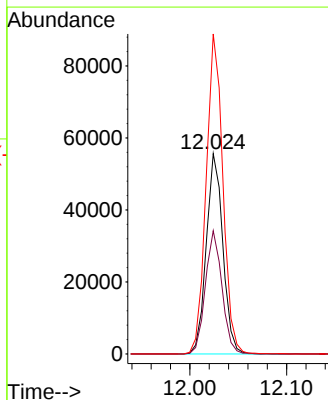
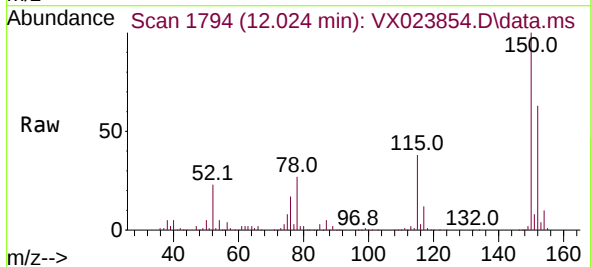


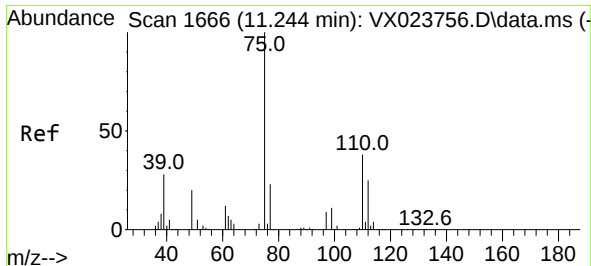
Tgt Ion:164 Resp: 612
Ion Ratio Lower Upper
164 100
166 99.1 103.4 155.2#
129 78.3 70.8 106.2
131 117.9 72.5 108.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

Tgt Ion:152 Resp: 66163
Ion Ratio Lower Upper
152 100
115 61.6 41.1 123.3
150 160.9 0.0 349.0

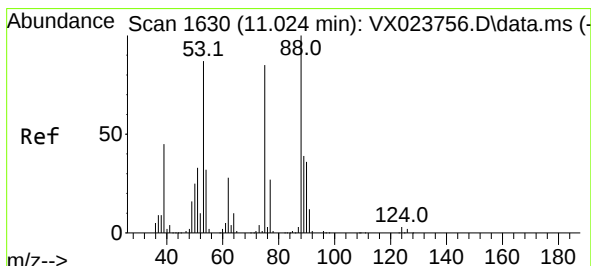
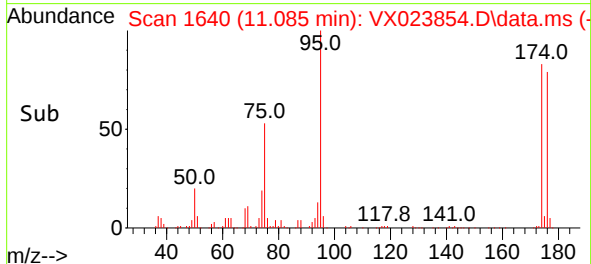
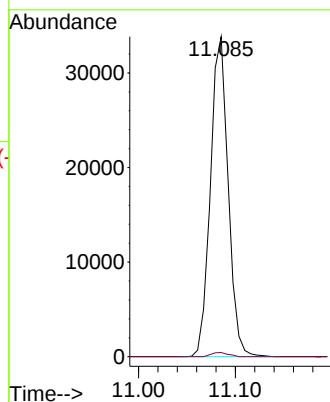
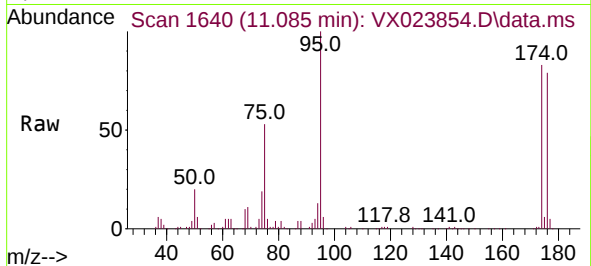




#76
1,2,3-Trichloropropane
Concen: 27.972 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

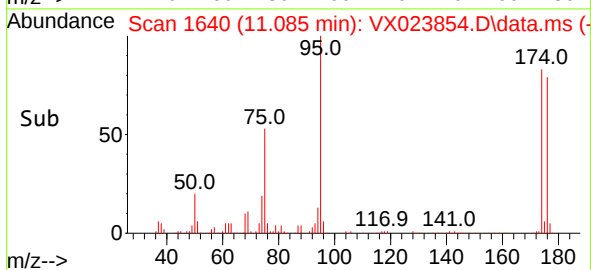
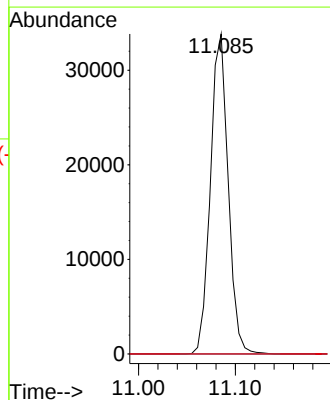
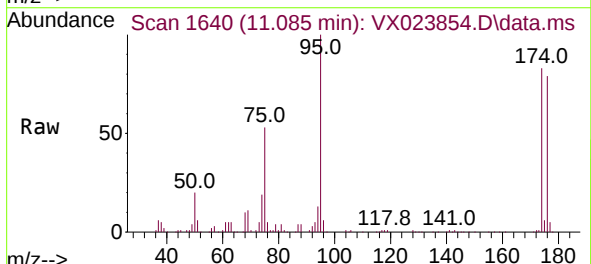
Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-DUP-20210816

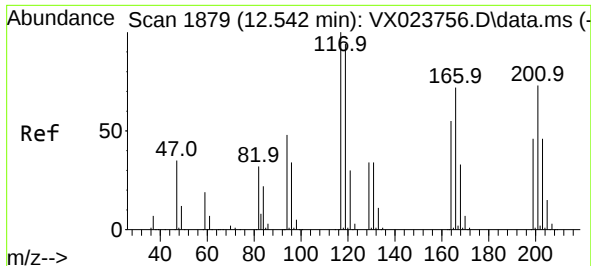
Tgt Ion: 75 Resp: 43172
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.280 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

Tgt Ion: 75 Resp: 43172
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

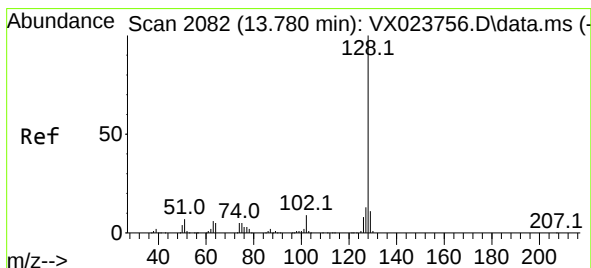
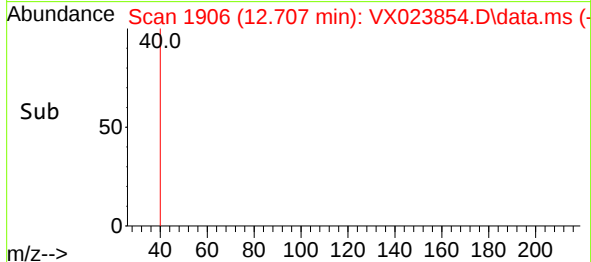
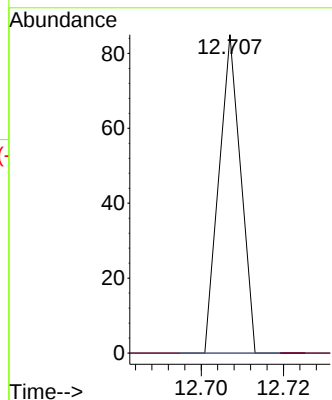
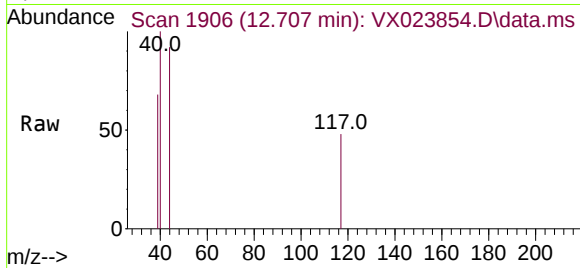




#90
Hexachloroethane
Concen: 1.507 ug/l
RT: 12.707 min Scan# 1906
Delta R.T. 0.165 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-DUP-20210816

Tgt Ion:117 Resp: 31
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#95
Naphthalene
Concen: 1.579 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023854.D
Acq: 19 Aug 2021 21:43

Tgt Ion:128 Resp: 1471
Ion Ratio Lower Upper
128 100
127 8.0 10.3 15.5#
129 2.9 8.8 13.2#

