

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092321\
 Data File : VX024465.D
 Acq On : 23 Sep 2021 21:35
 Operator : JC/MD
 Sample : M3833-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20210920

Quant Time: Sep 24 07:39:46 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)

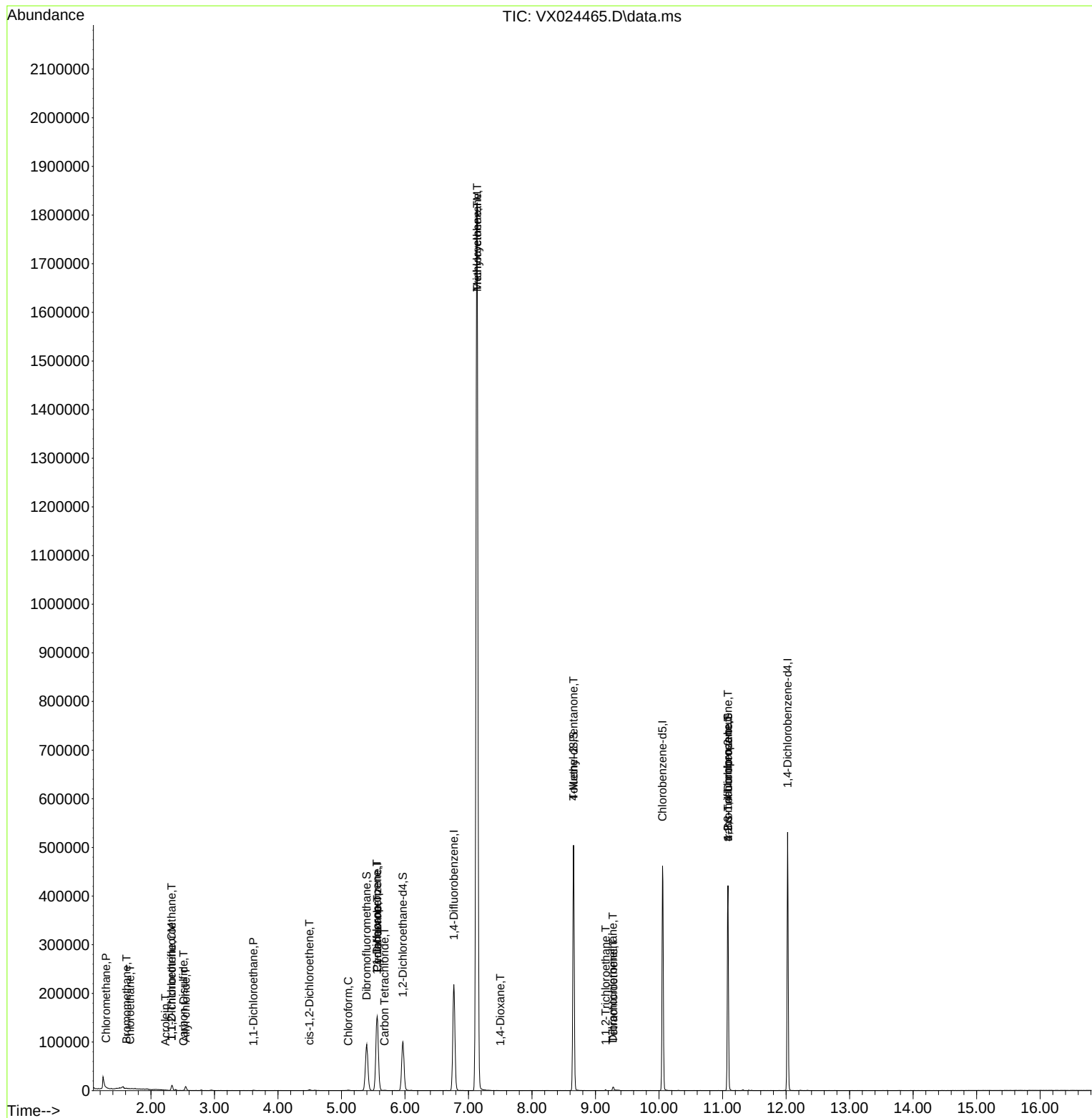
Internal Standards						
1) Pentafluorobenzene	5.562	168	141987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	213881	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105970	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	102086	51.014	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 102.020%		
35) Dibromofluoromethane	5.397	113	78523	55.264	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 110.520%		
50) Toluene-d8	8.653	98	286534	54.791	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 109.580%		
62) 4-Bromofluorobenzene	11.085	95	110112	53.552	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 107.100%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	491	0.365	ug/l #	42
5) Bromomethane	1.618	94	277	0.292	ug/l #	43
6) Chloroethane	1.672	64	283	0.558	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	3624	2.585	ug/l	95
11) Tert butyl alcohol	2.959	59	880	Below Cal	#	73
12) 1,1-Dichloroethene	2.325	96	577	0.443	ug/l #	73
13) Acrolein	2.227	56	21	10.244	ug/l #	14
14) Allyl chloride	2.544	41	947	0.398	ug/l #	63
16) Acetone	2.386	43	2185	Below Cal	#	87
17) Carbon Disulfide	2.514	76	677	0.429	ug/l #	75
20) Methylene Chloride	2.794	84	474	Below Cal		94
24) 1,1-Dichloroethane	3.611	63	1079	0.400	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	984	0.570	ug/l	91
30) Chloroform	5.105	83	1466	0.492	ug/l #	81
31) Cyclohexane	5.562	56	2873	1.199	ug/l #	4
36) 1,1-Dichloropropene	5.556	75	11087	5.407	ug/l #	50
38) Carbon Tetrachloride	5.678	117	743	0.333	ug/l #	57
39) Methylcyclohexane	7.135	83	8482	3.533	ug/l #	1
44) Trichloroethene	7.135	130	696409	431.710	ug/l	99
49) 1,4-Dioxane	7.501	88	19	0.430	ug/l #	24
51) 4-Methyl-2-Pentanone	8.653	43	1327	0.516	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	513	0.328	ug/l #	57
60) Dibromochloromethane	9.275	129	1183	1.837	ug/l #	11
64) Tetrachloroethene	9.281	164	1242	0.886	ug/l	98
76) 1,2,3-Trichloropropane	11.085	75	57572	23.923	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	57572	65.321	ug/l #	12

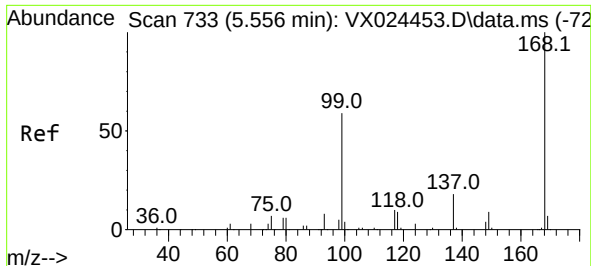
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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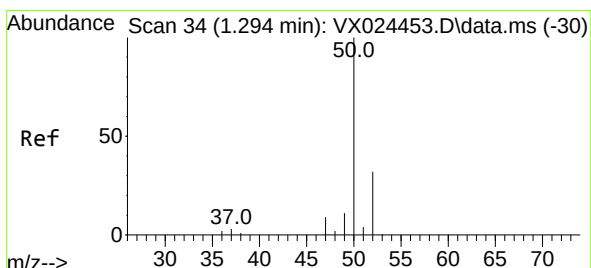
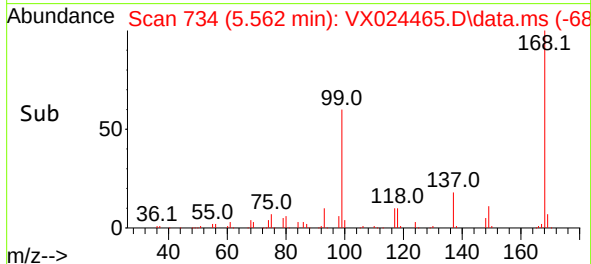
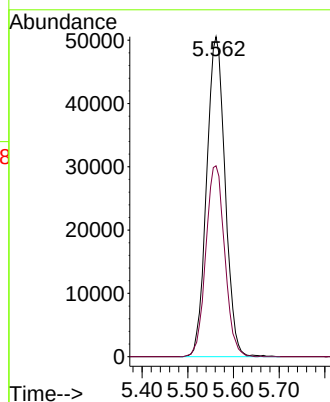
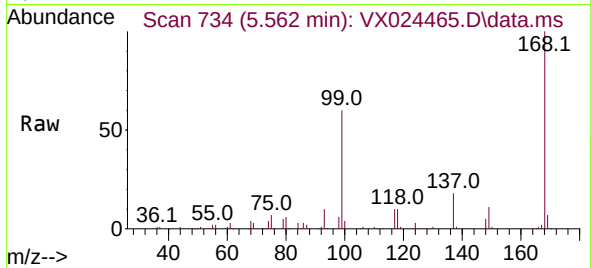




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

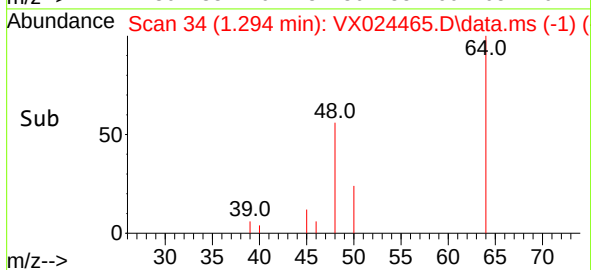
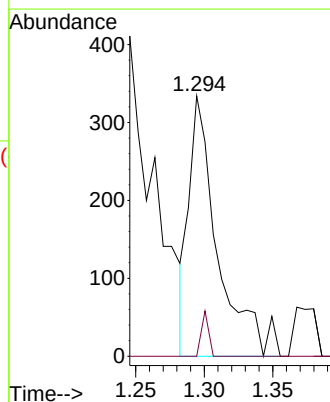
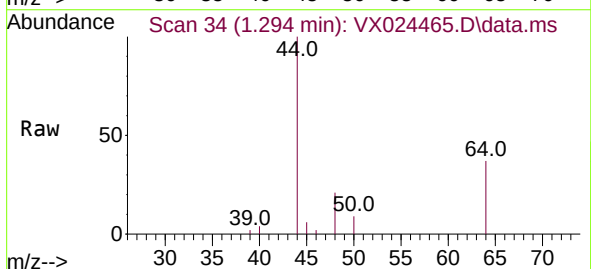
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210920

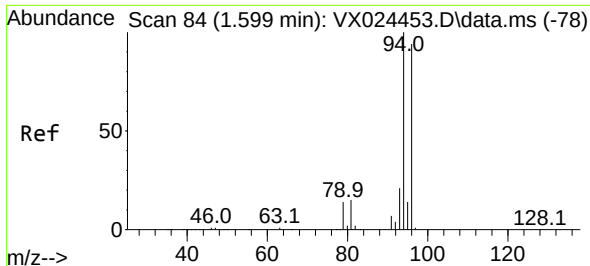
Tgt Ion:168 Resp: 141987
Ion Ratio Lower Upper
168 100
99 59.7 45.8 68.6



#3
Chloromethane
Concen: 0.365 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

Tgt Ion: 50 Resp: 491
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

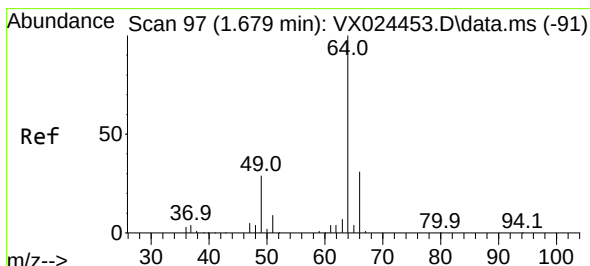
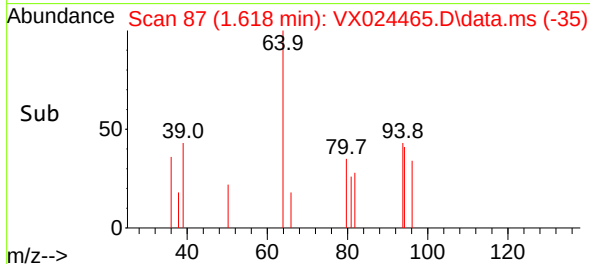
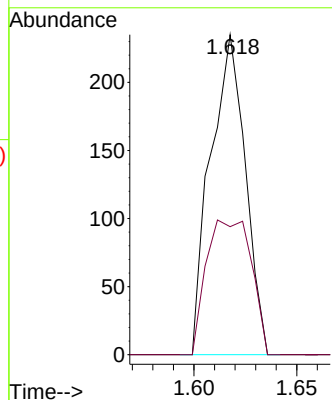
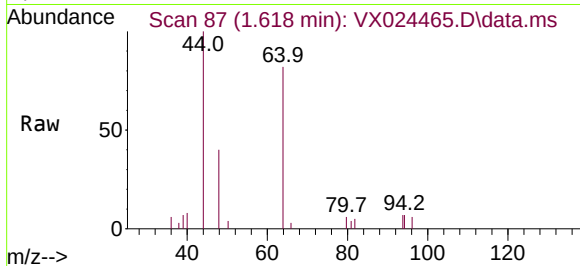




#5
Bromomethane
Concen: 0.292 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

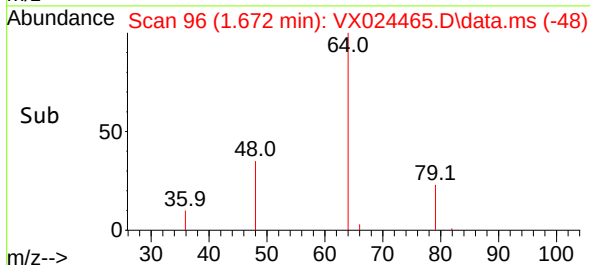
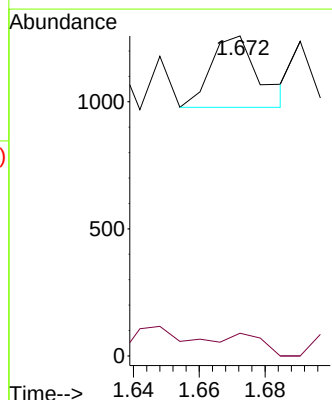
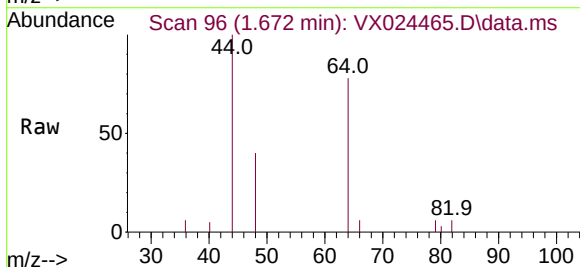
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210920

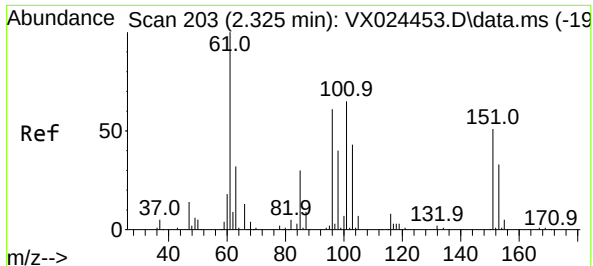
Tgt Ion: 94 Resp: 277
Ion Ratio Lower Upper
94 100
96 40.0 76.4 114.6#



#6
Chloroethane
Concen: 0.558 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

Tgt Ion: 64 Resp: 283
Ion Ratio Lower Upper
64 100
66 31.7 25.4 38.0

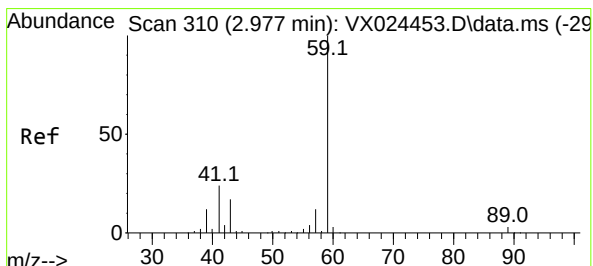
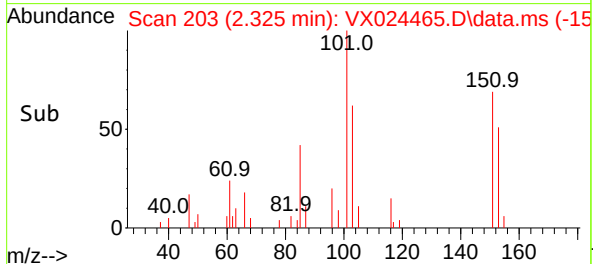
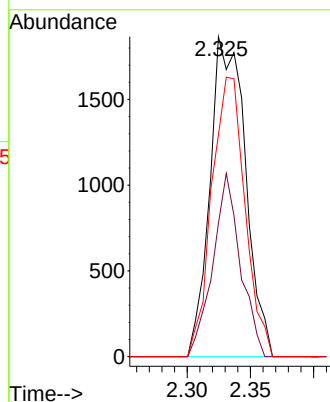
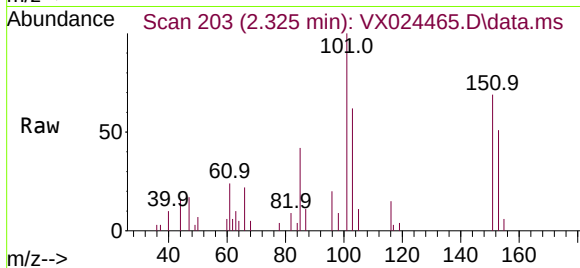




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.585 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

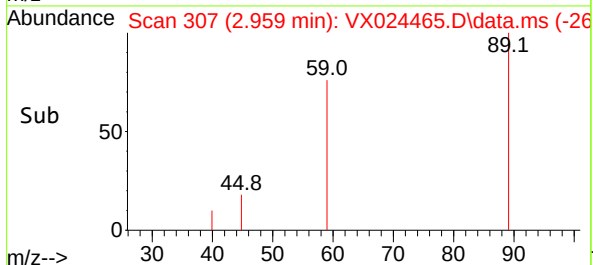
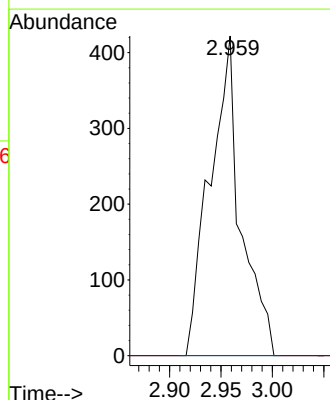
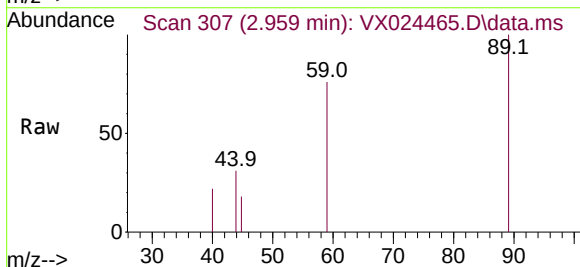
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210920

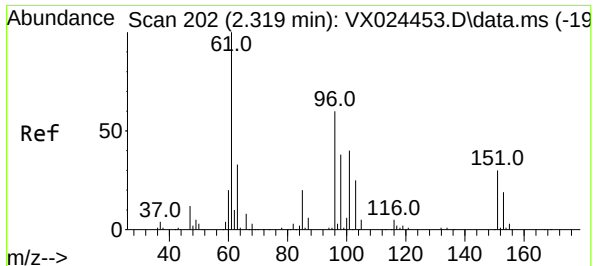
Tgt Ion:101 Resp: 3624
Ion Ratio Lower Upper
101 100
85 44.6 34.9 52.3
151 82.3 61.4 92.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

Tgt Ion: 59 Resp: 880
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.443 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX024465.D

Acq: 23 Sep 2021 21:35

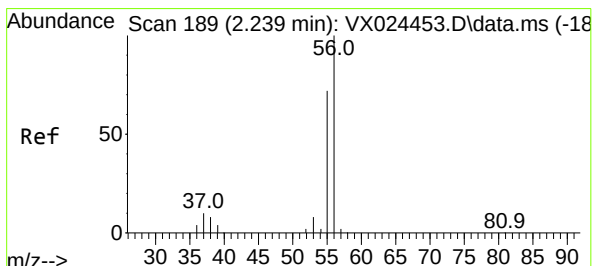
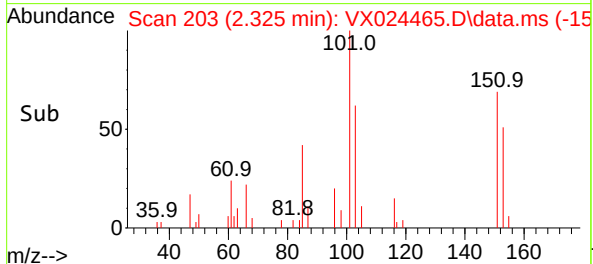
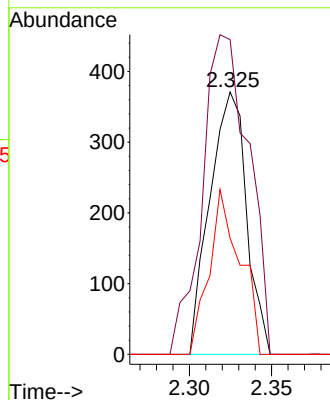
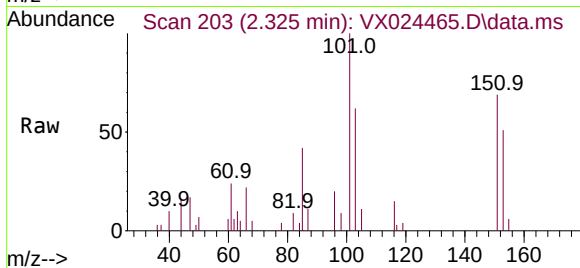
Tgt Ion: 96 Resp: 577

Ion Ratio Lower Upper

96 100

61 119.9 124.6 187.0#

98 44.2 50.6 76.0#



#13

Acrolein

Concen: 10.244 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.012 min

Lab File: VX024465.D

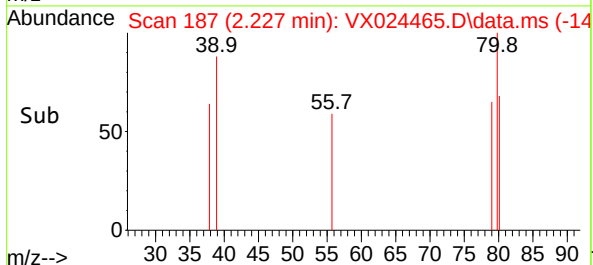
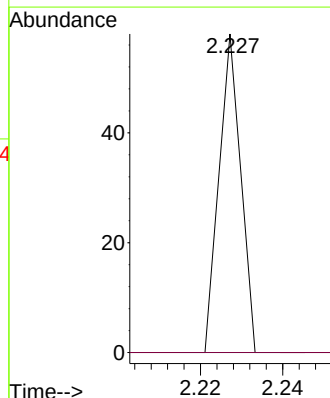
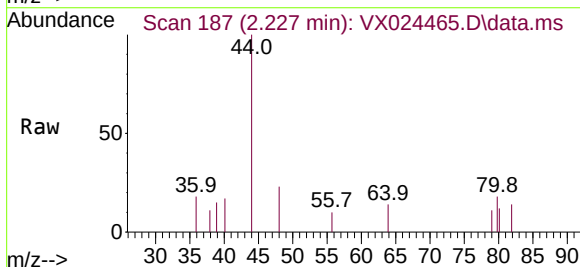
Acq: 23 Sep 2021 21:35

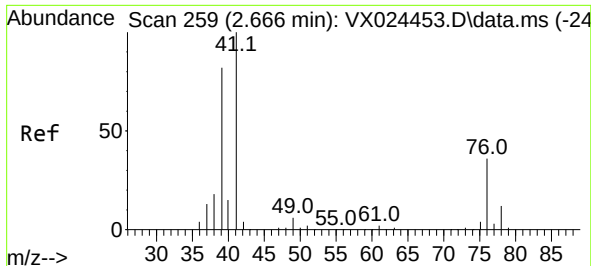
Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#

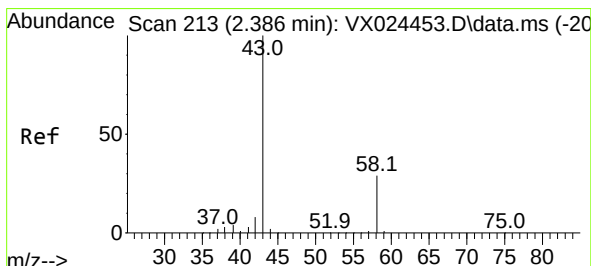
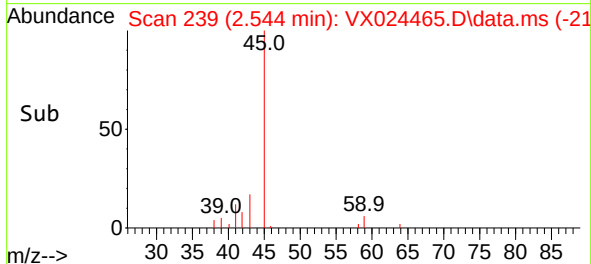
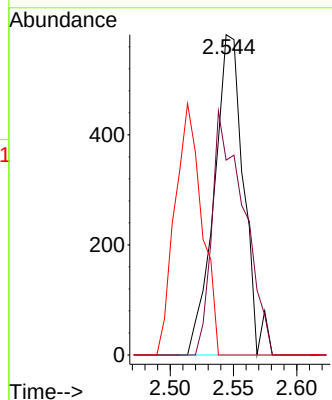
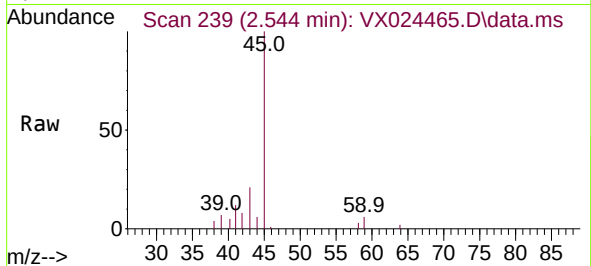




#14
Allyl chloride
Concen: 0.398 ug/l
RT: 2.544 min Scan# 239
Delta R.T. -0.122 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

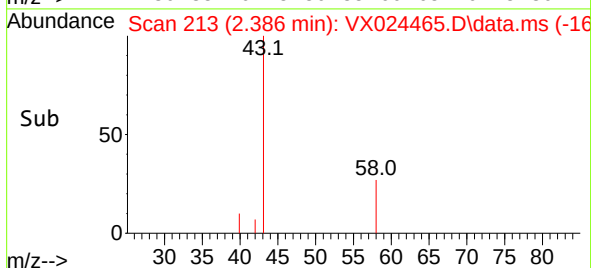
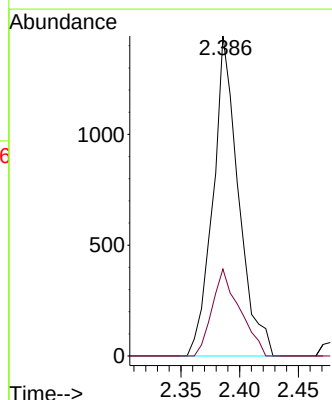
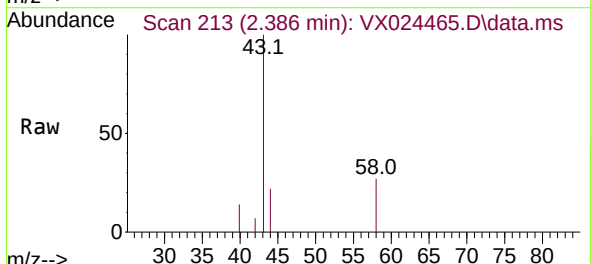
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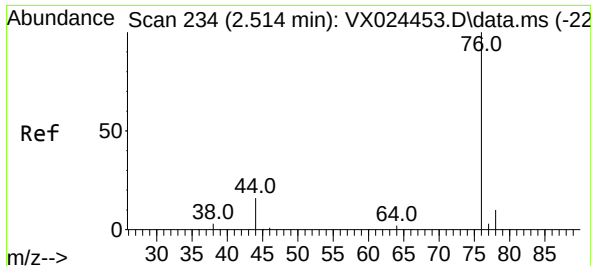
Tgt Ion:	41	Resp:	947
Ion	Ratio	Lower	Upper
41	100		
39	82.0	51.6	77.4#
76	0.0	30.5	45.7#



#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

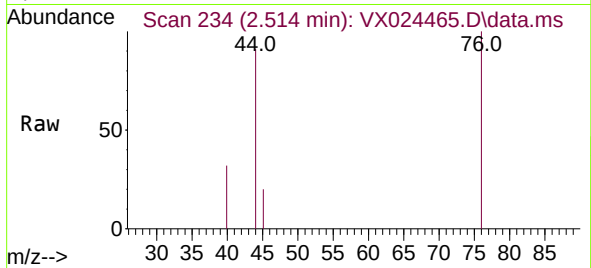
Tgt Ion:	43	Resp:	2185
Ion	Ratio	Lower	Upper
43	100		
58	27.1	27.8	41.8#



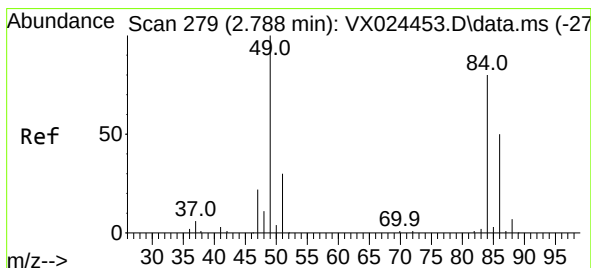
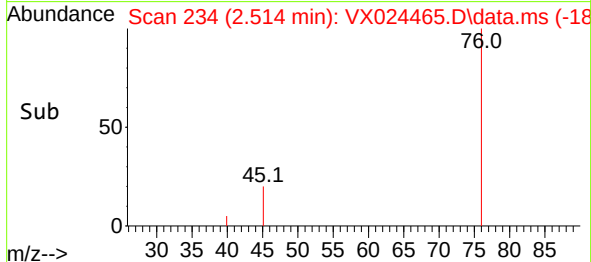
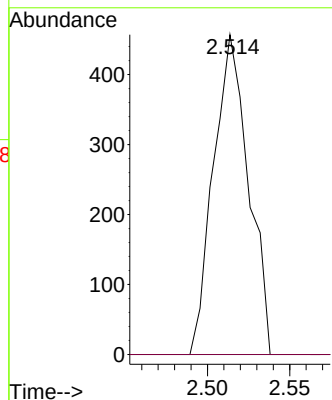


#17
Carbon Disulfide
Concen: 0.429 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

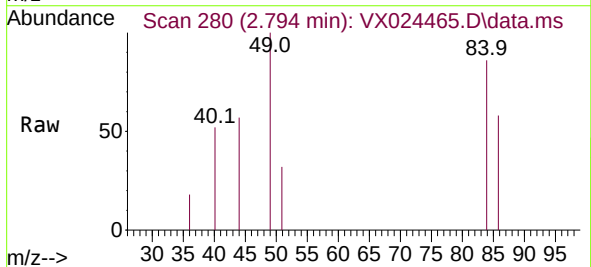
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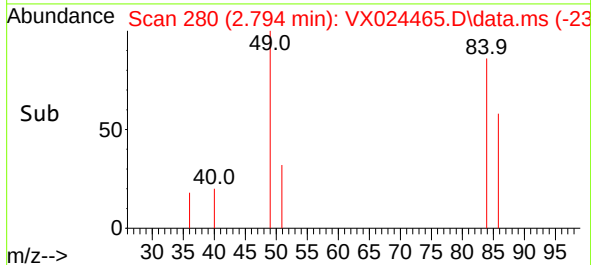
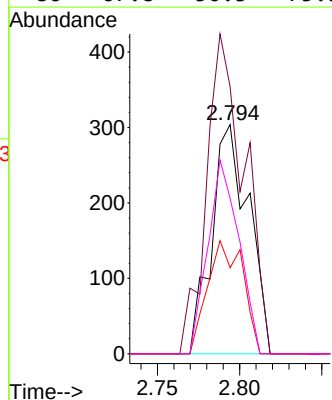
Tgt Ion: 76 Resp: 677
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

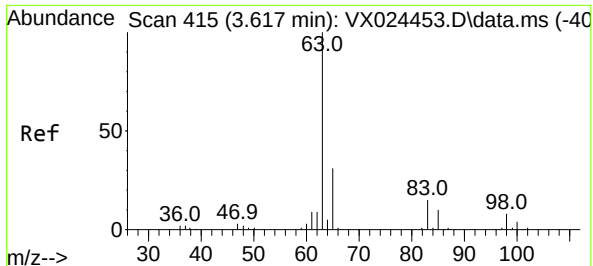


#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35



Tgt Ion: 84 Resp: 474
Ion Ratio Lower Upper
84 100
49 116.4 88.6 132.8
51 37.5 27.0 40.6
86 67.8 50.3 75.5

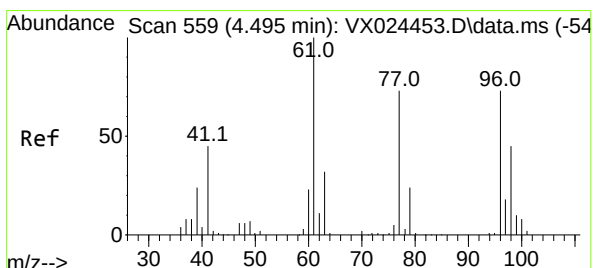
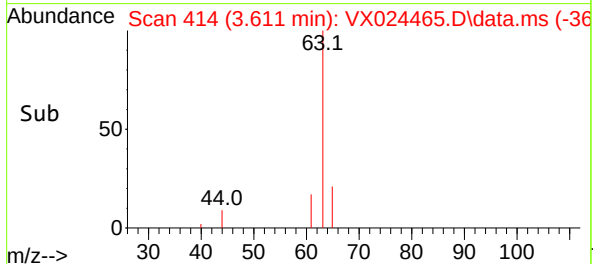
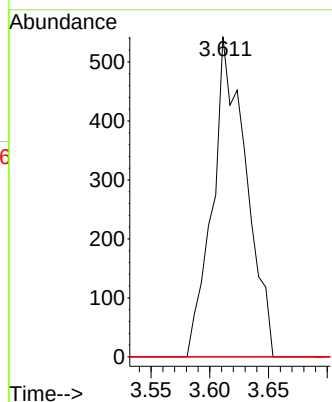
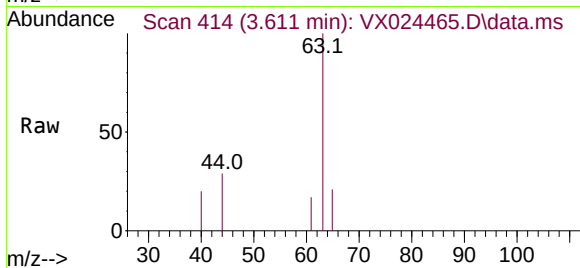




#24
1,1-Dichloroethane
Concen: 0.400 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.006 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

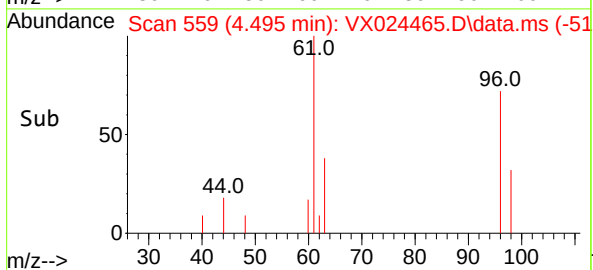
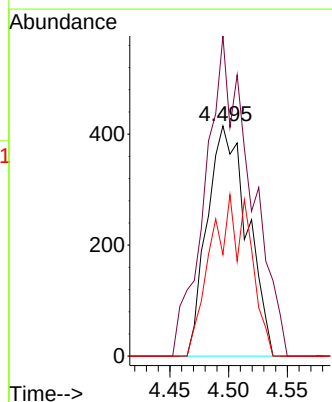
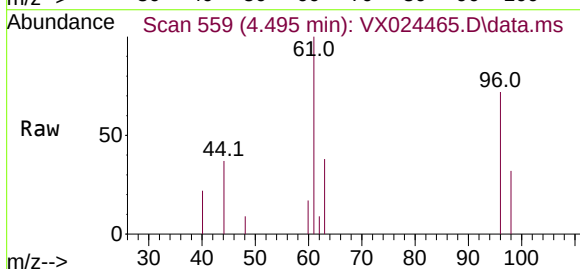
Instrument :
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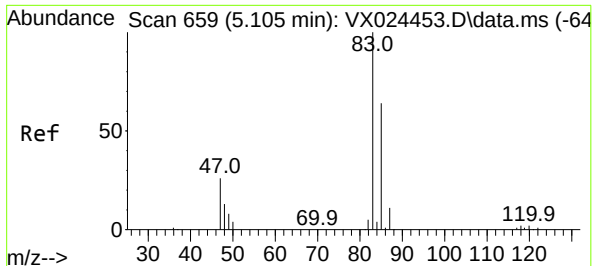
Tgt Ion: 63 Resp: 1079
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 0.570 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

Tgt Ion: 96 Resp: 984
Ion Ratio Lower Upper
96 100
61 156.8 0.0 285.6
98 68.4 0.0 129.6





#30

Chloroform

Concen: 0.492 ug/l

RT: 5.105 min Scan# 659

Delta R.T. -0.000 min

Lab File: VX024465.D

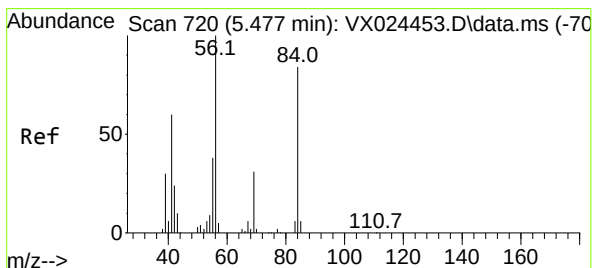
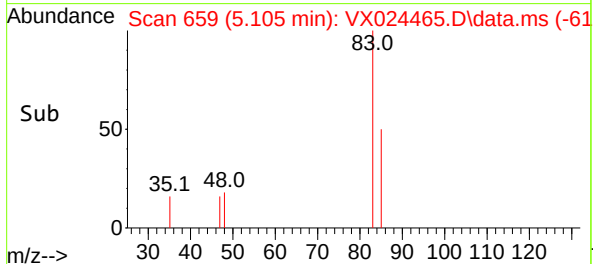
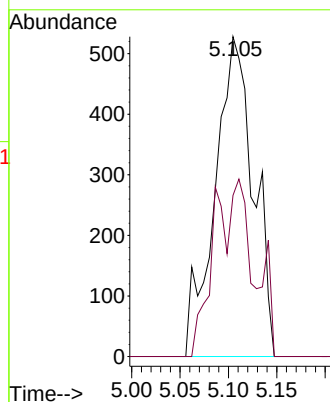
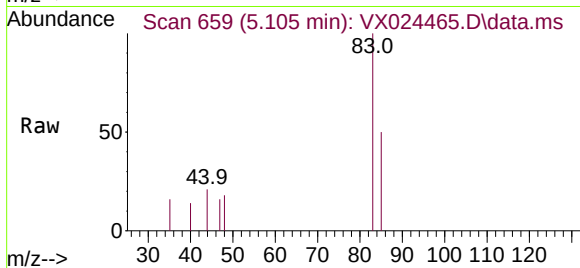
Acq: 23 Sep 2021 21:35

Tgt Ion: 83 Resp: 1466

Ion Ratio Lower Upper

83 100

85 50.4 52.0 78.0#



#31

Cyclohexane

Concen: 1.199 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX024465.D

Acq: 23 Sep 2021 21:35

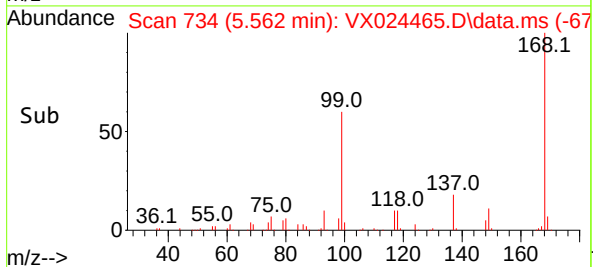
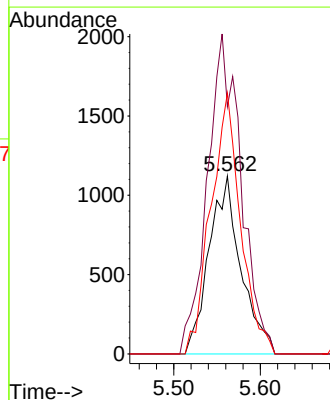
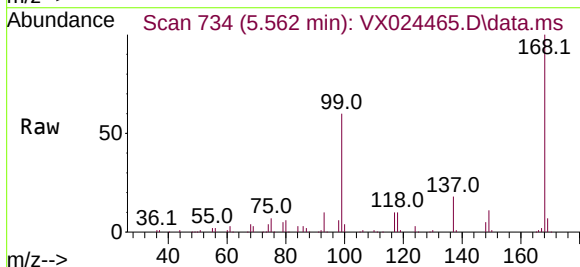
Tgt Ion: 56 Resp: 2873

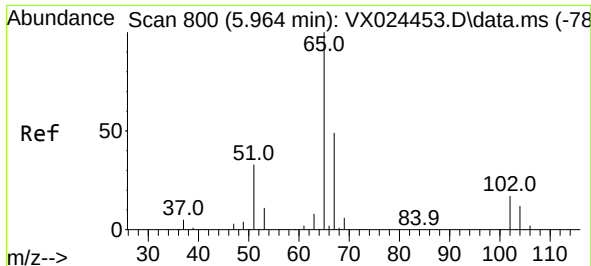
Ion Ratio Lower Upper

56 100

69 139.0 25.3 37.9#

84 146.7 71.4 107.0#

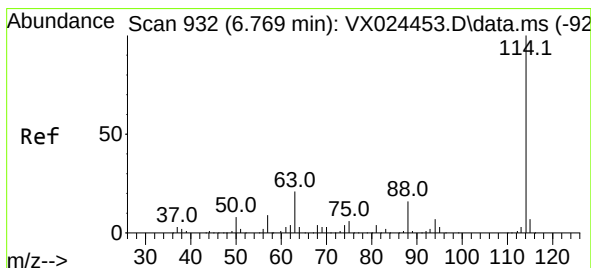
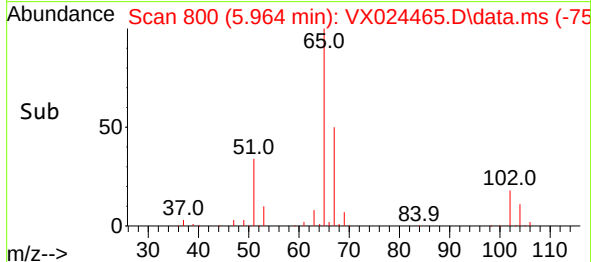
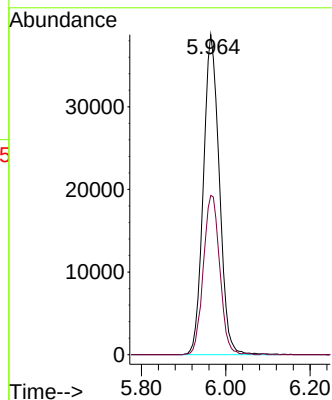
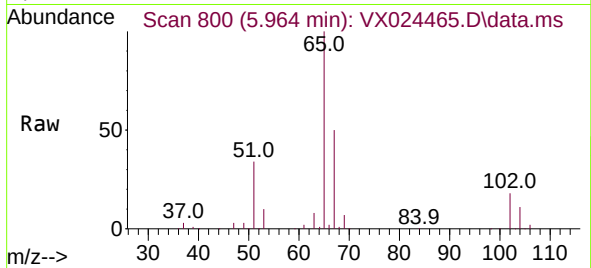




#33
1,2-Dichloroethane-d4
Concen: 51.014 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

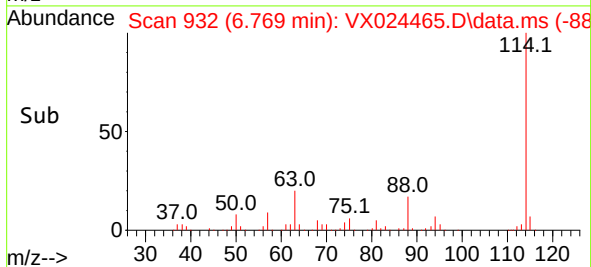
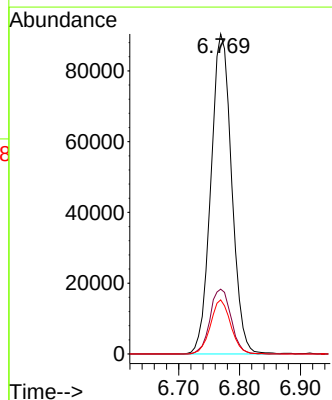
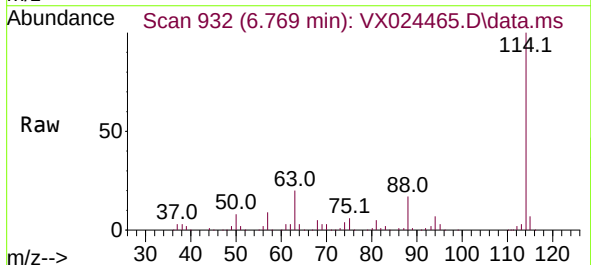
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210920

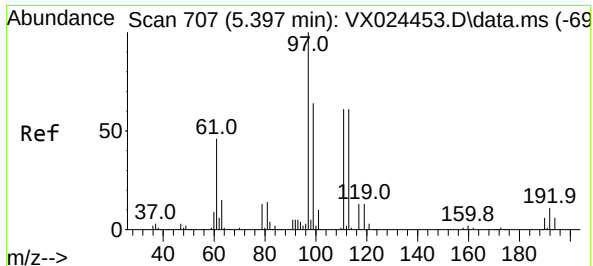
Tgt Ion: 65 Resp: 102086
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

Tgt Ion: 114 Resp: 213881
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 16.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 55.264 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024465.D

Acq: 23 Sep 2021 21:35

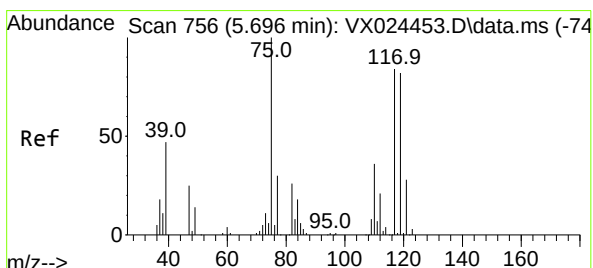
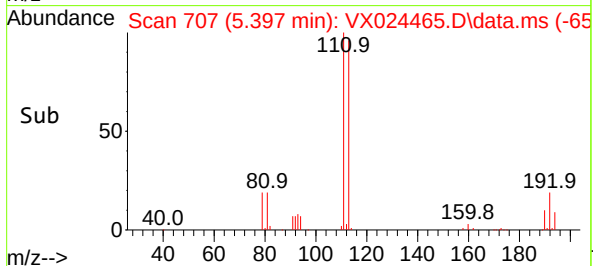
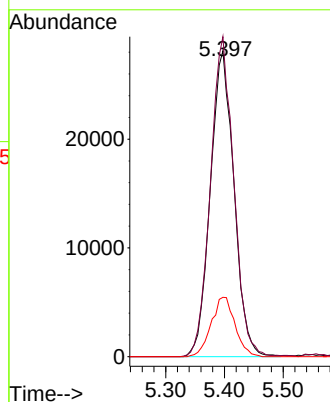
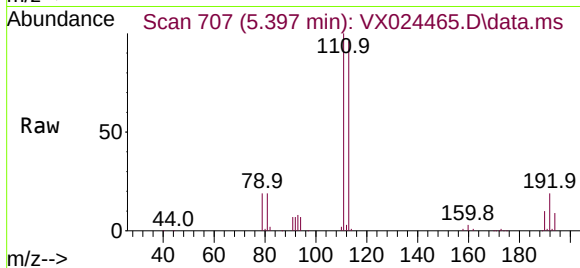
Tgt Ion:113 Resp: 78523

Ion Ratio Lower Upper

113 100

111 103.3 81.9 122.9

192 19.6 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.407 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX024465.D

Acq: 23 Sep 2021 21:35

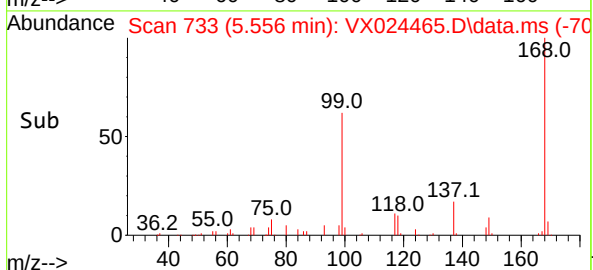
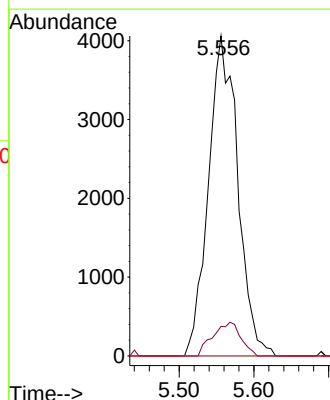
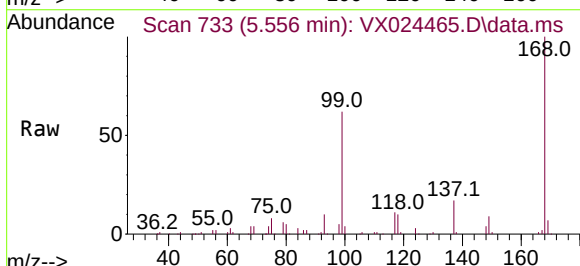
Tgt Ion: 75 Resp: 11087

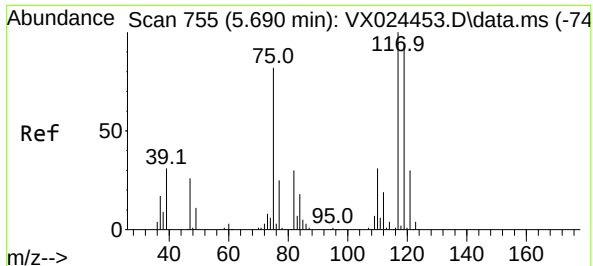
Ion Ratio Lower Upper

75 100

110 10.0 18.1 54.4#

77 0.0 25.3 37.9#

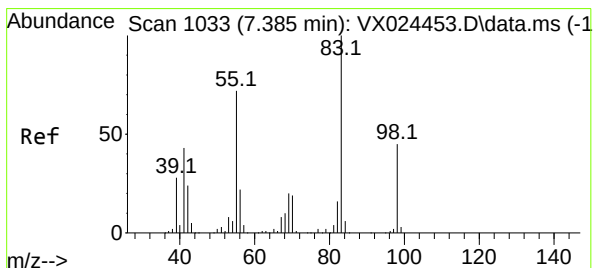
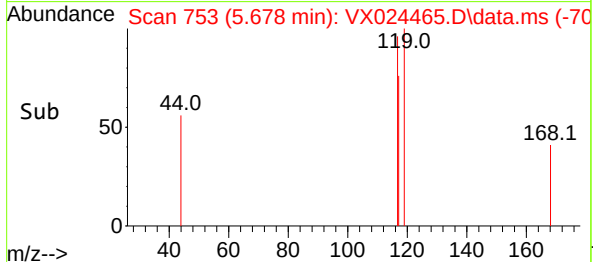
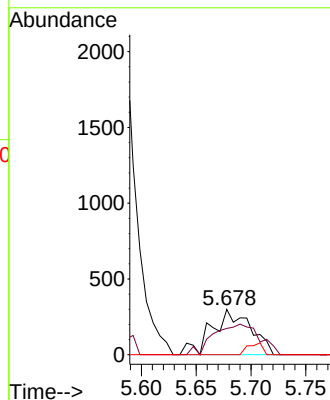
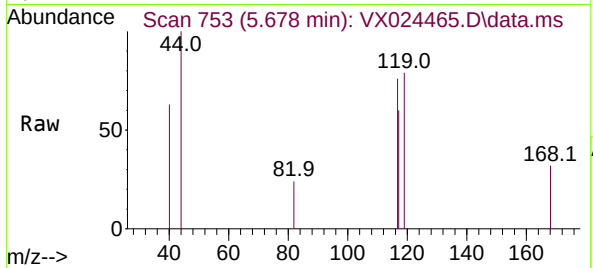




#38
Carbon Tetrachloride
Concen: 0.333 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.012 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

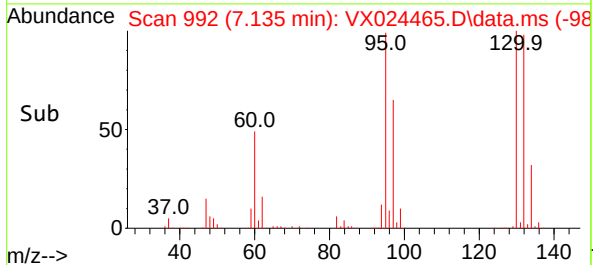
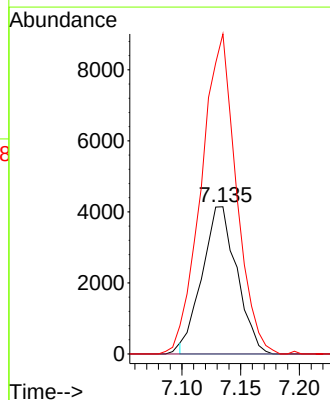
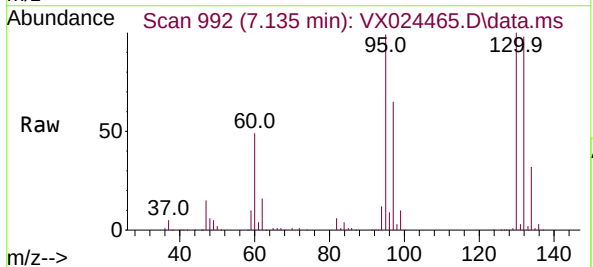
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210920

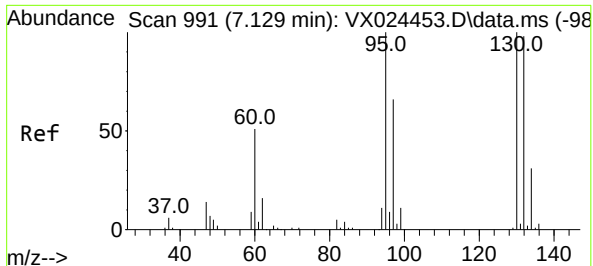
Tgt Ion:117 Resp: 743
Ion Ratio Lower Upper
117 100
119 58.2 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 3.533 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

Tgt Ion: 83 Resp: 8482
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 217.3 38.1 57.1#

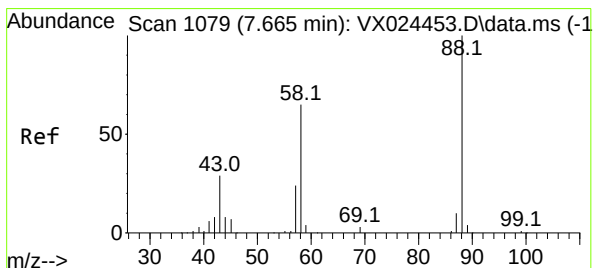
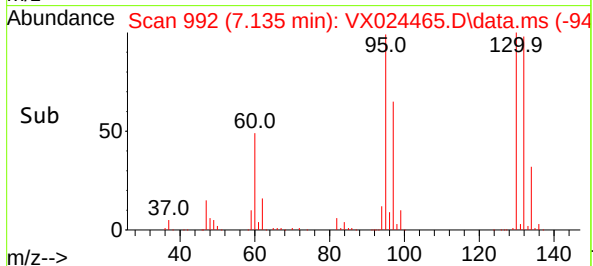
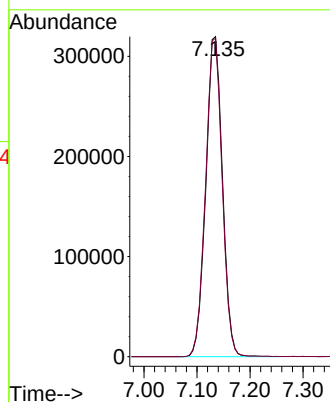
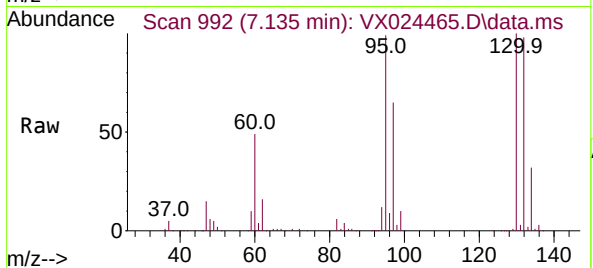




#44
Trichloroethene
Concen: 431.710 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

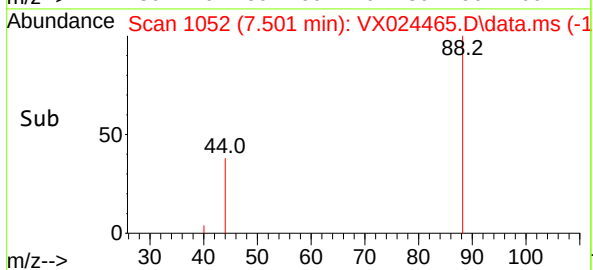
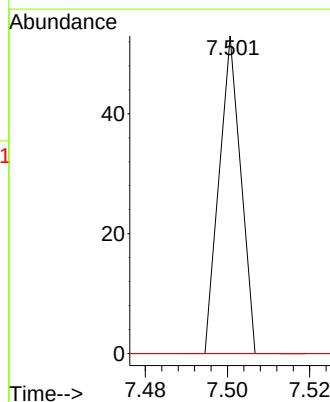
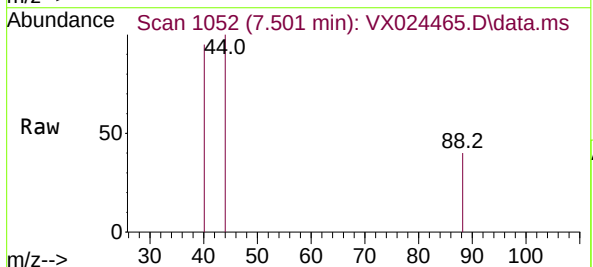
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210920

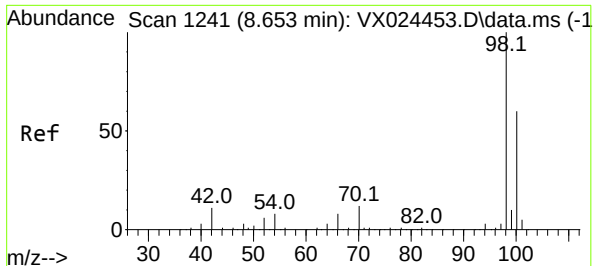
Tgt Ion:130 Resp: 696409
Ion Ratio Lower Upper
130 100
95 99.5 0.0 198.0



#49
1,4-Dioxane
Concen: 0.430 ug/l
RT: 7.501 min Scan# 1052
Delta R.T. -0.164 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 0.0 55.0 82.4#

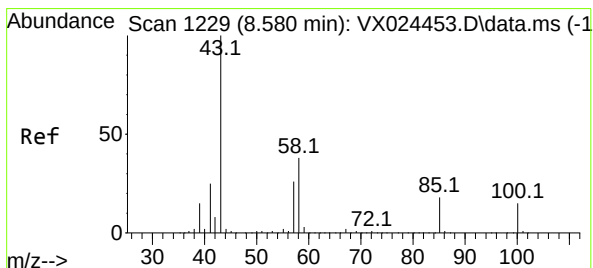
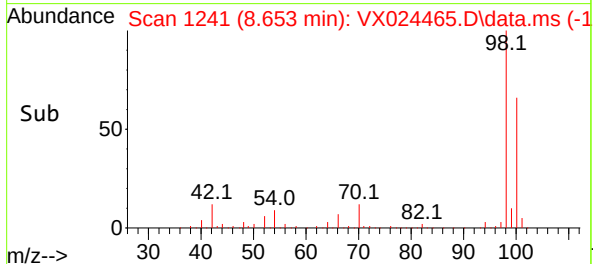
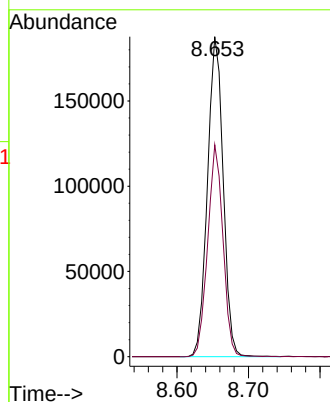
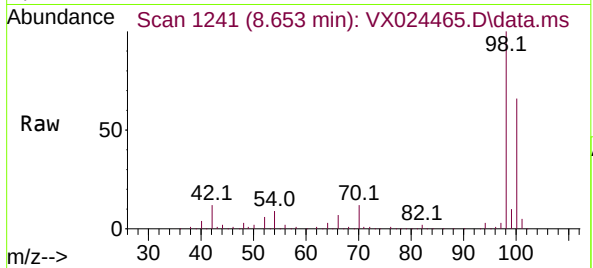




#50
Toluene-d8
Concen: 54.791 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

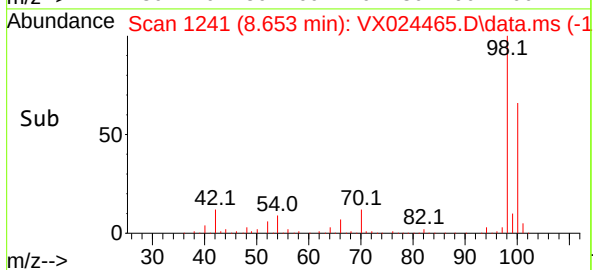
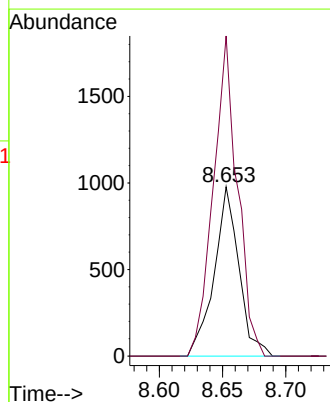
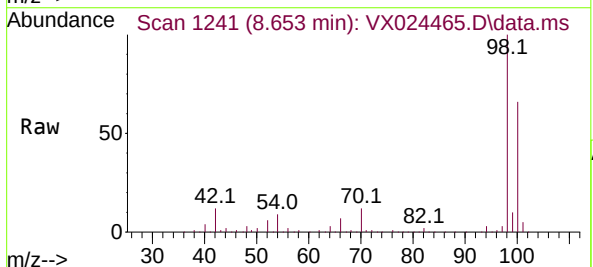
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210920

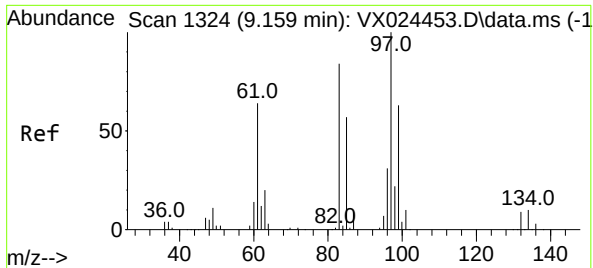
Tgt Ion: 98 Resp: 286534
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.516 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

Tgt Ion: 43 Resp: 1327
Ion Ratio Lower Upper
43 100
58 184.6 35.4 53.0#

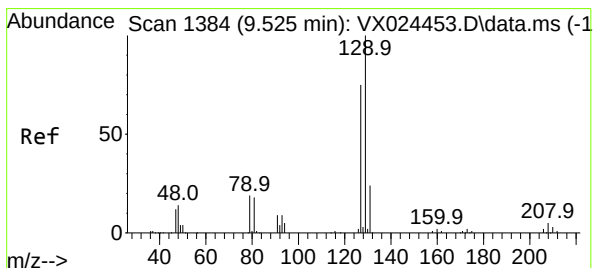
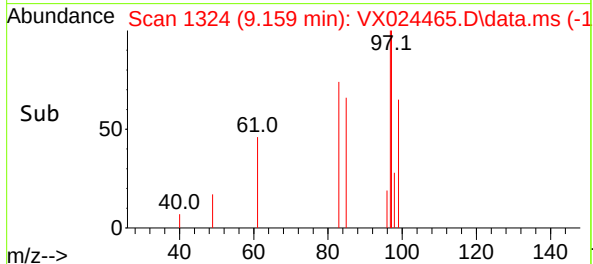
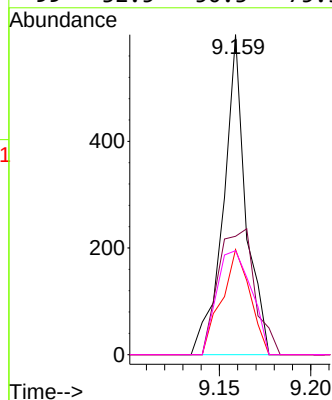
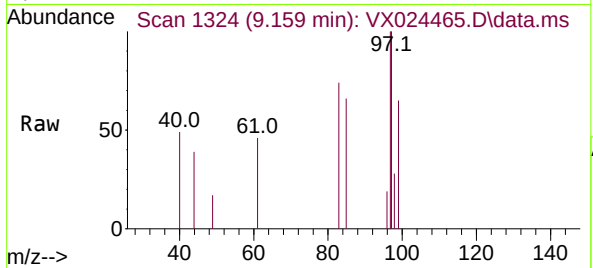




#55
1,1,2-Trichloroethane
Concen: 0.328 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. -0.000 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

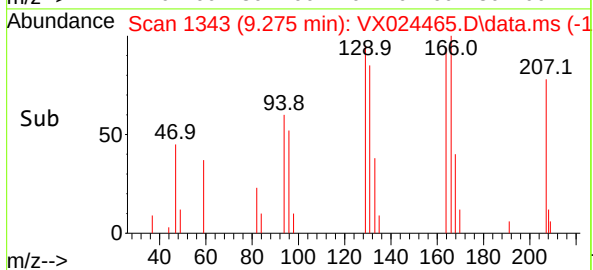
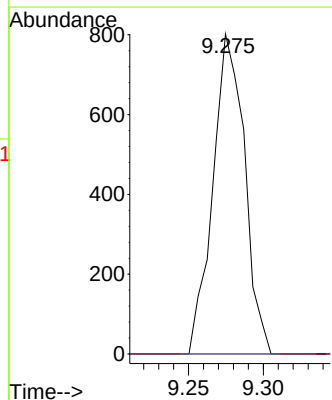
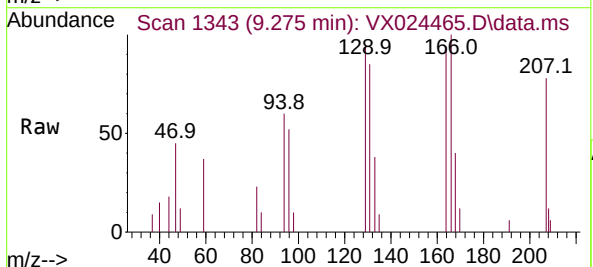
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210920

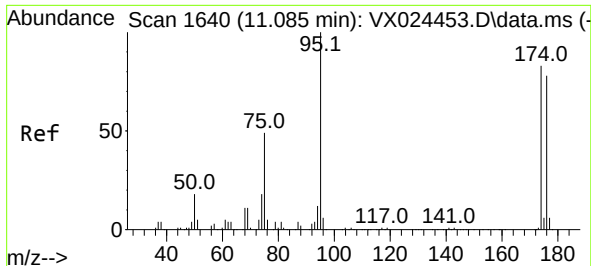
Tgt Ion: 97	Resp: 513
Ion Ratio	Lower Upper
97 100	
83 37.0	69.3 103.9#
85 32.8	44.3 66.5#
99 32.5	50.3 75.5#



#60
Dibromochloromethane
Concen: 1.837 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

Tgt Ion:129	Resp:	1183	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#

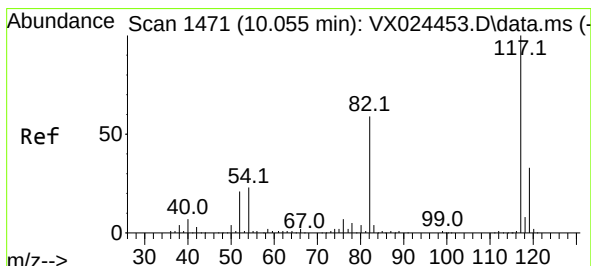
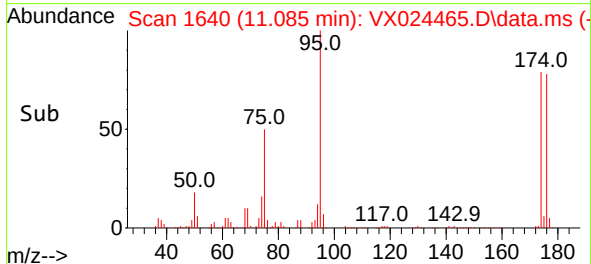
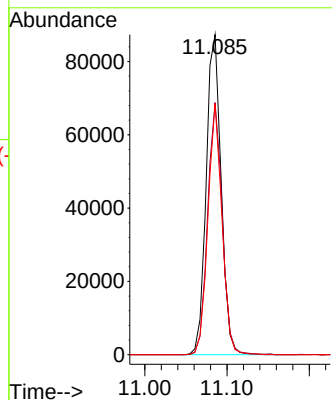
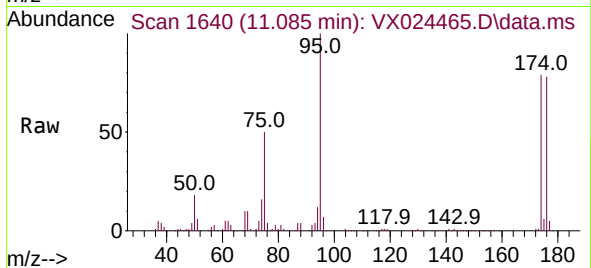




#62
4-Bromofluorobenzene
Concen: 53.552 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

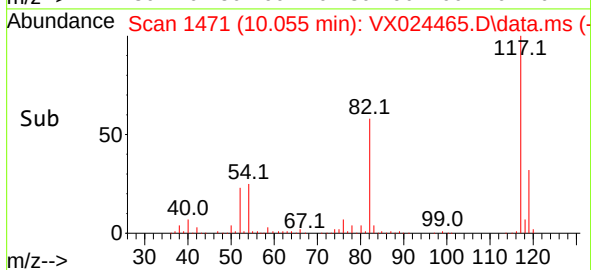
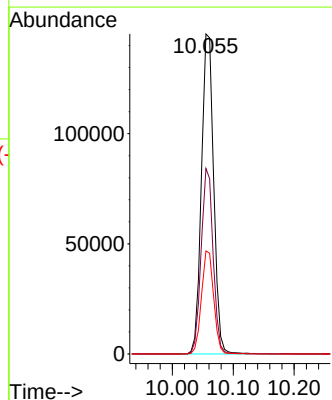
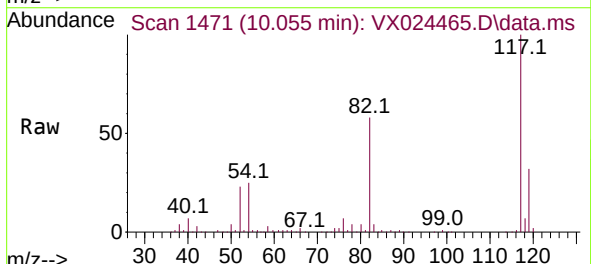
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210920

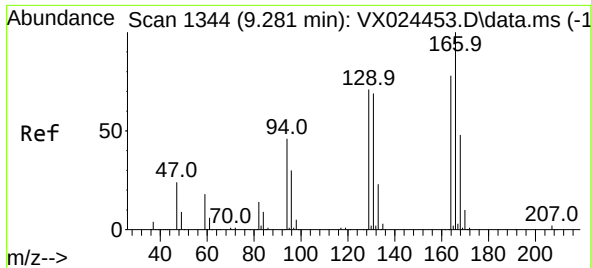
Tgt Ion: 95 Resp: 110112
Ion Ratio Lower Upper
95 100
174 77.4 0.0 154.6
176 73.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

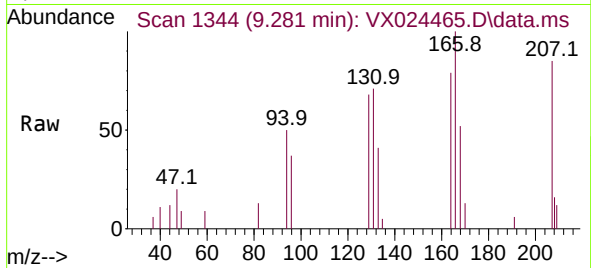
Tgt Ion: 117 Resp: 202609
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 32.2 26.6 39.8



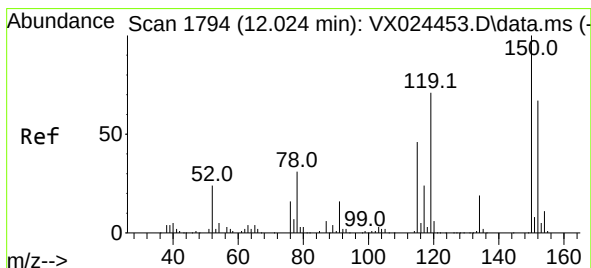
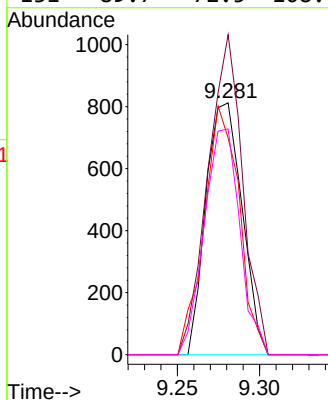
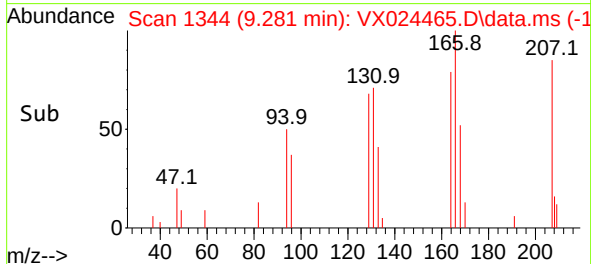


#64
Tetrachloroethene
Concen: 0.886 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.000 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

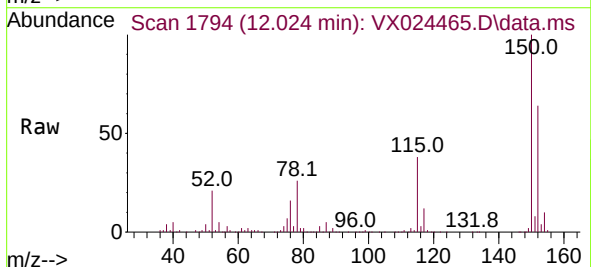
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210920



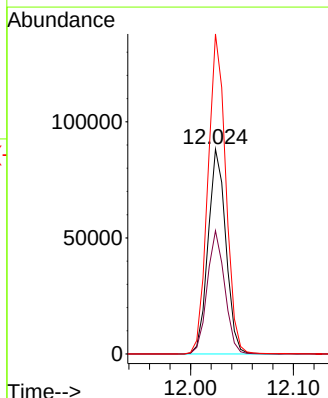
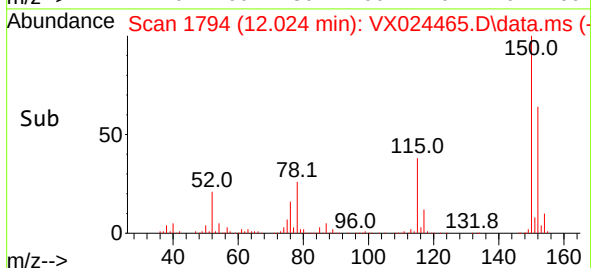
Tgt Ion:164	Resp:	1242
Ion	Ratio	Lower Upper
164	100	
166	127.1	103.4 155.2
129	86.1	70.8 106.2
131	89.7	72.5 108.7

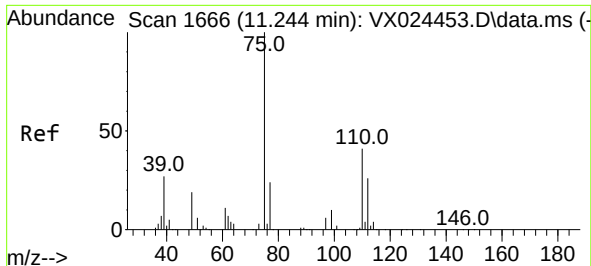


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35



Tgt Ion:152	Resp:	105970
Ion	Ratio	Lower Upper
152	100	
115	59.3	41.1 123.3
150	157.4	0.0 349.0

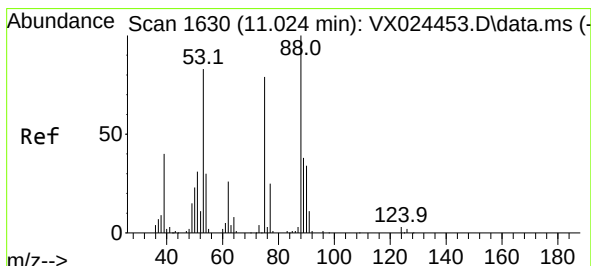
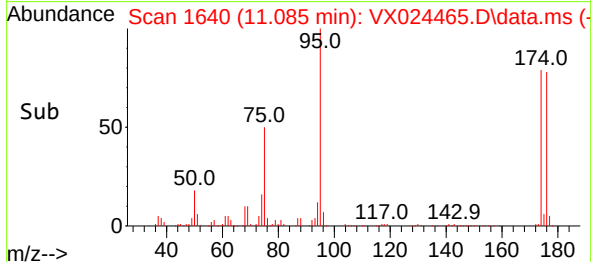
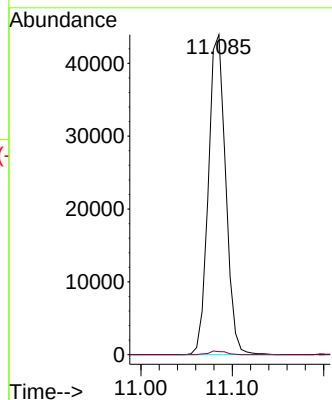
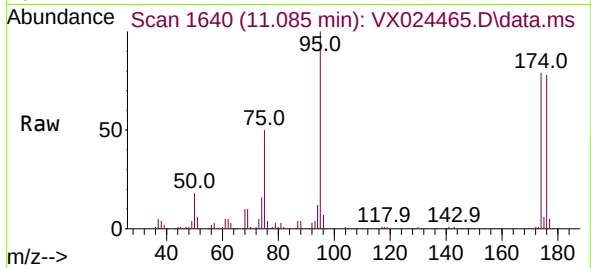




#76
1,2,3-Trichloropropane
Concen: 23.923 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210920

Tgt Ion: 75 Resp: 57572
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.321 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024465.D
Acq: 23 Sep 2021 21:35

Tgt Ion: 75 Resp: 57572
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

