

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032921\
 Data File : VX021612.D
 Acq On : 30 Mar 2021 05:45
 Operator : JC/MD
 Sample : M1843-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP08-20210325

Quant Time: Mar 30 06:57:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

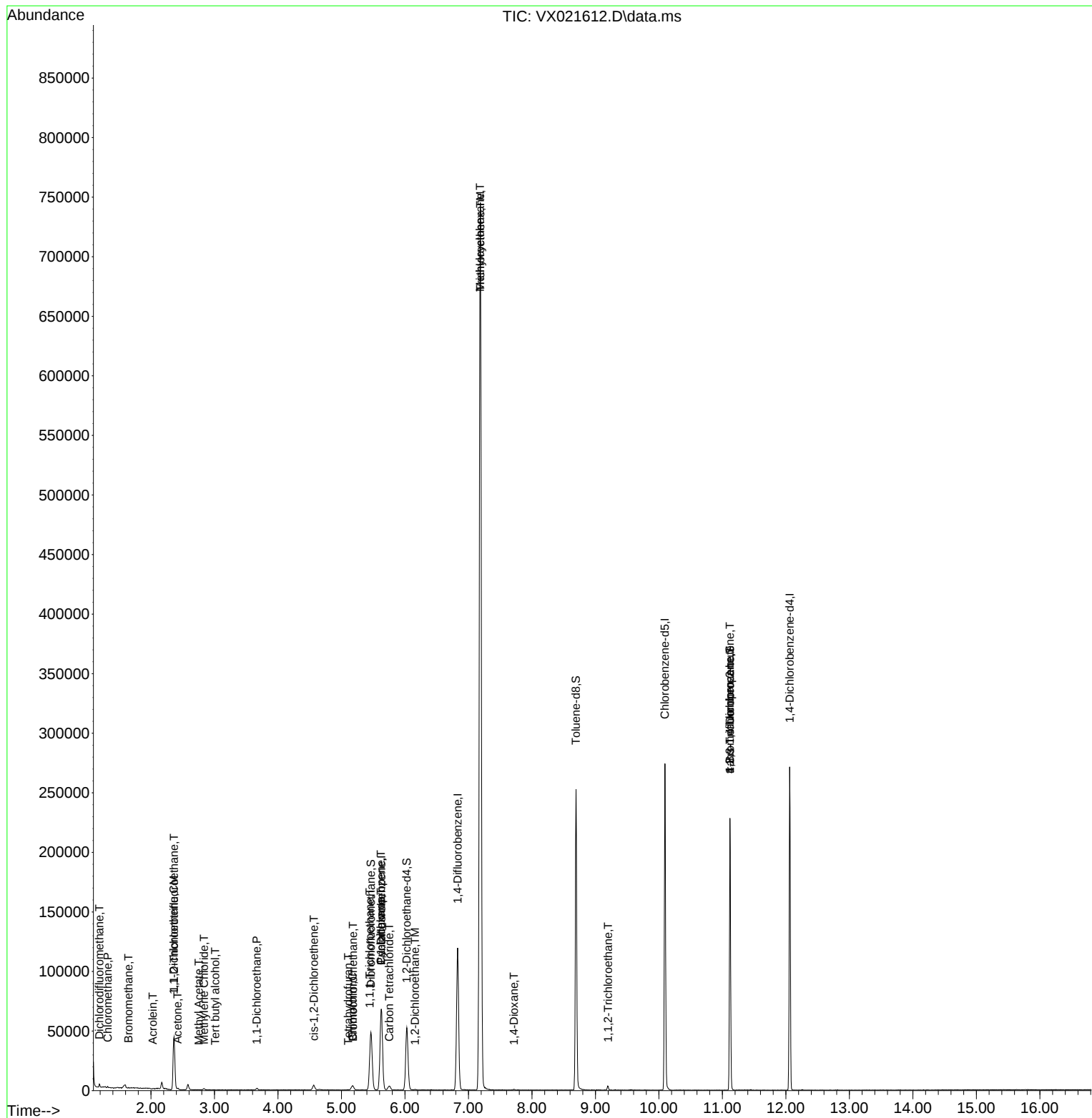
Internal Standards						
1) Pentafluorobenzene	5.629	168	59671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	109380	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	112771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	49133	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	51759	52.13	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.26%			
35) Dibromofluoromethane	5.464	113	39902	51.36	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.72%			
50) Toluene-d8	8.694	98	139705	50.46	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.92%			
62) 4-Bromofluorobenzene	11.118	95	56569	52.55	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.10%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.187	85	1212	1.85	ug/l	98
3) Chloromethane	1.316	50	1260	1.71	ug/l	91
5) Bromomethane	1.646	94	64	0.24	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.364	101	13401	21.82	ug/l	97
11) Tert butyl alcohol	3.011	59	44	0.27	ug/l #	73
12) 1,1-Dichloroethene	2.358	96	4449	7.40	ug/l	97
13) Acrolein	2.028	56	20	4.54	ug/l #	14
16) Acetone	2.417	43	1257	3.35	ug/l	93
18) Methyl Acetate	2.752	43	238	0.22	ug/l #	47
20) Methylene Chloride	2.834	84	433	0.59	ug/l #	69
24) 1,1-Dichloroethane	3.664	63	1558	1.22	ug/l #	80
27) cis-1,2-Dichloroethene	4.564	96	2427	3.16	ug/l	94
28) Bromochloromethane	5.182	49	445	0.70	ug/l #	9
29) Tetrahydrofuran	5.105	42	171	0.46	ug/l #	27
30) Chloroform	5.176	83	3941	2.92	ug/l	97
31) Cyclohexane	5.623	56	1546	1.42	ug/l #	49
32) 1,1,1-Trichloroethane	5.446	97	573	0.48	ug/l #	23
36) 1,1-Dichloropropene	5.623	75	5259	4.91	ug/l #	48
38) Carbon Tetrachloride	5.752	117	2778	2.41	ug/l	90
39) Methylcyclohexane	7.182	83	3719	3.13	ug/l #	1
42) 1,2-Dichloroethane	6.158	62	521	0.39	ug/l #	73
44) Trichloroethene	7.188	130	264060	328.79	ug/l	89
49) 1,4-Dioxane	7.717	88	374	19.46	ug/l #	81
55) 1,1,2-Trichloroethane	9.200	97	801	1.01	ug/l	95
76) 1,2,3-Trichloropropane	11.118	75	32065	28.03	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	32065	85.39	ug/l #	12

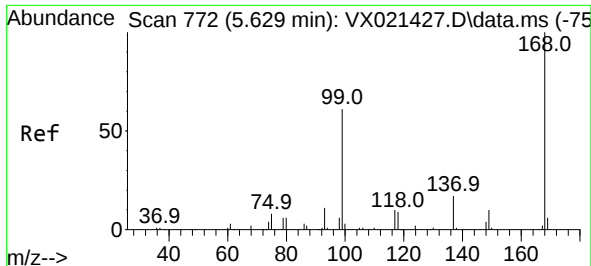
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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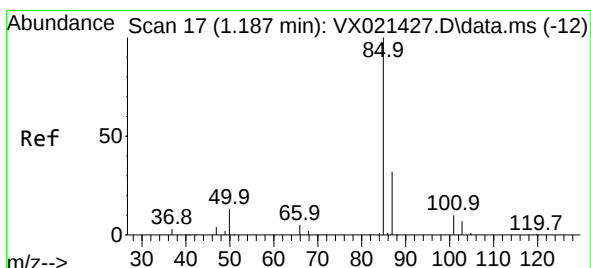
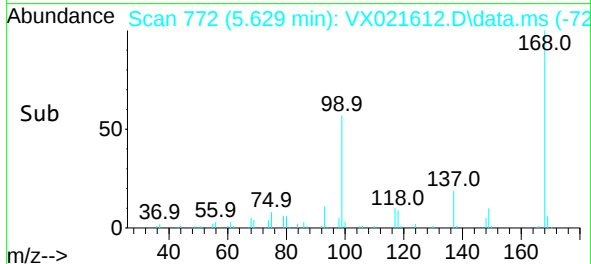
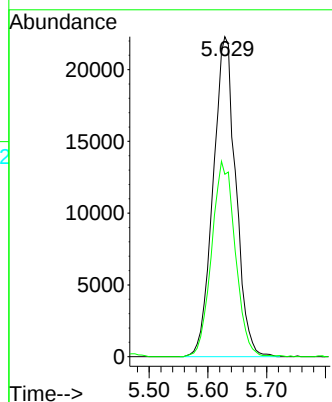
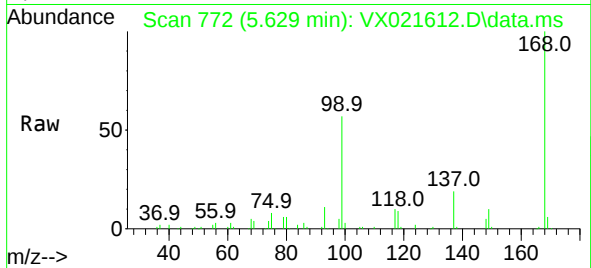




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

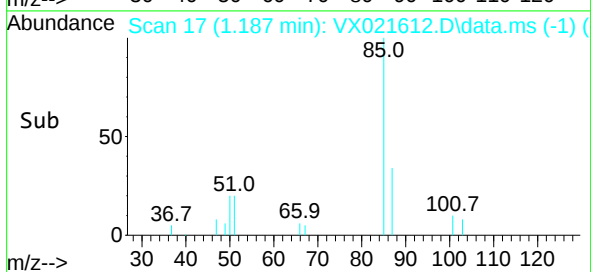
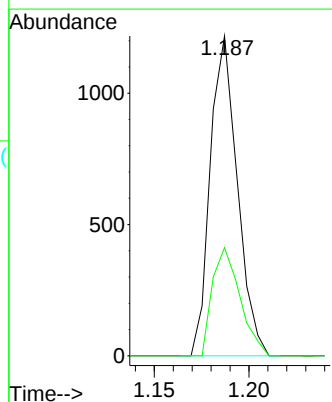
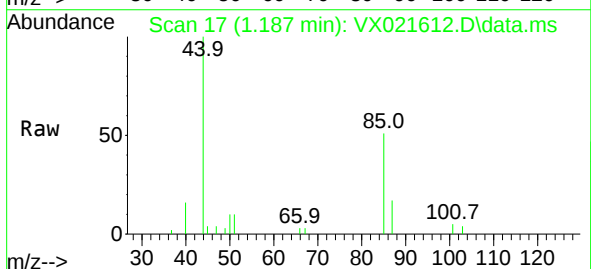
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20210325

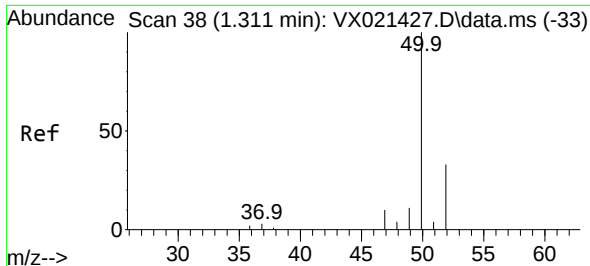
Tgt Ion:168 Resp: 59671
Ion Ratio Lower Upper
168 100
99 57.0 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 1.85 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

Tgt Ion: 85 Resp: 1212
Ion Ratio Lower Upper
85 100
87 33.8 16.4 49.2

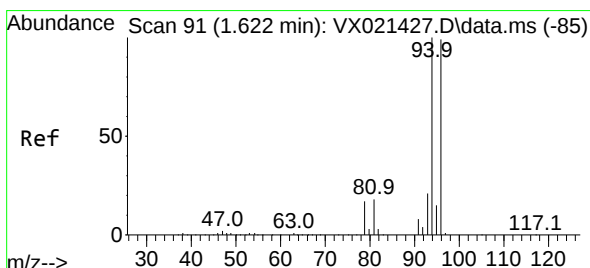
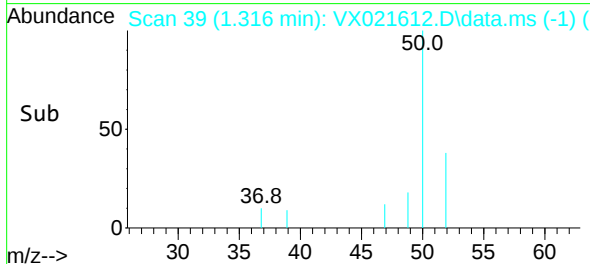
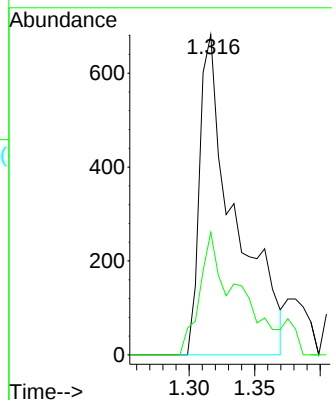
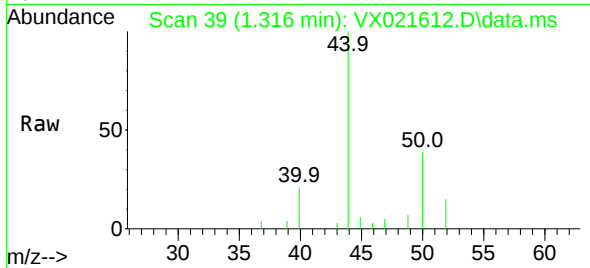




#3
Chloromethane
Concen: 1.71 ug/l
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

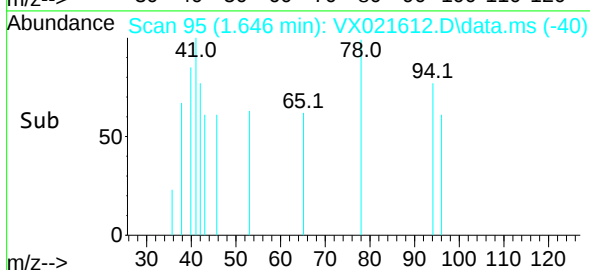
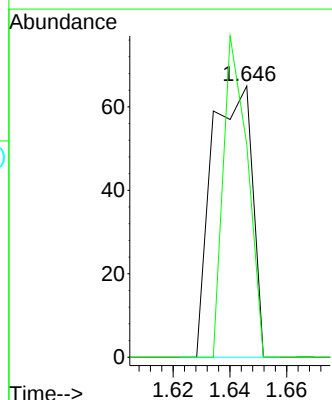
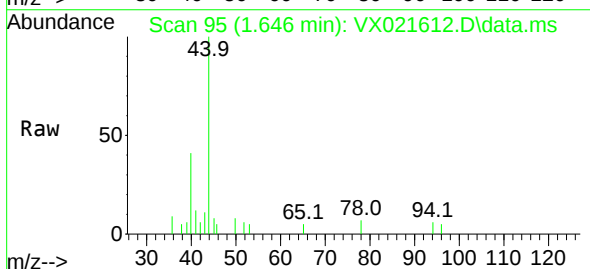
Instrument :
MSVOA_X
ClientSampleId :
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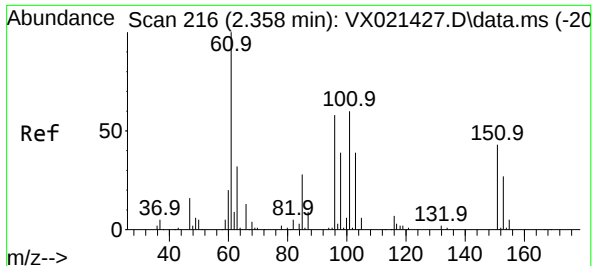
Tgt Ion: 50 Resp: 1260
Ion Ratio Lower Upper
50 100
52 38.3 26.4 39.6



#5
Bromomethane
Concen: 0.24 ug/l
RT: 1.646 min Scan# 95
Delta R.T. 0.024 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

Tgt Ion: 94 Resp: 64
Ion Ratio Lower Upper
94 100
96 78.5 76.4 114.6

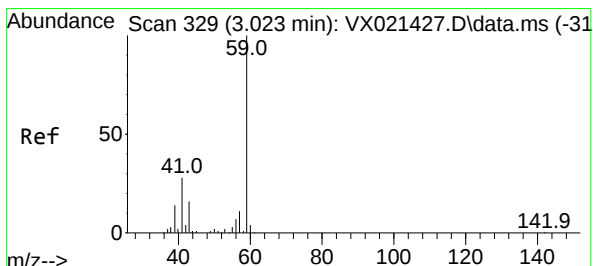
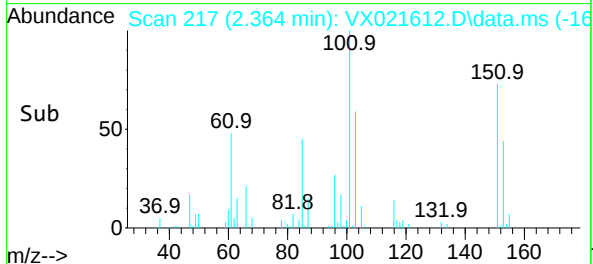
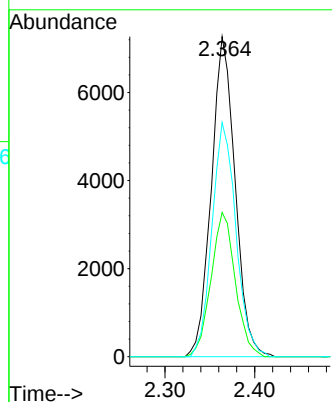
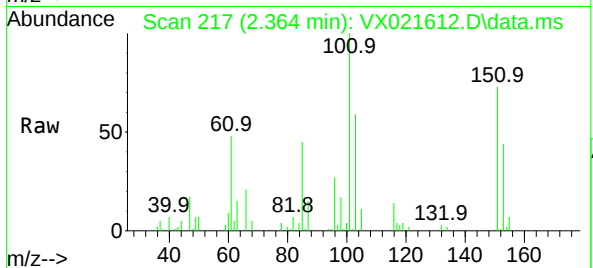




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.82 ug/l
RT: 2.364 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

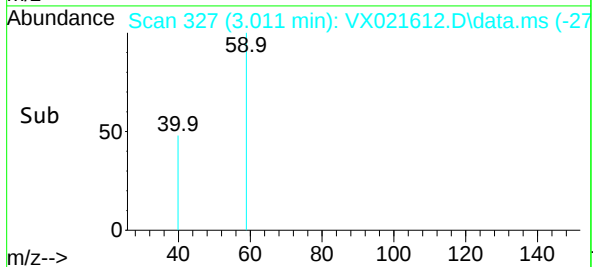
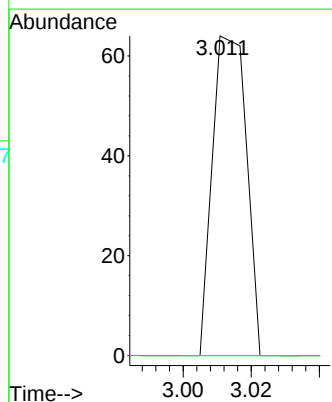
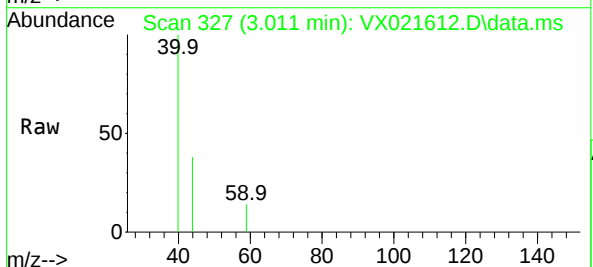
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20210325

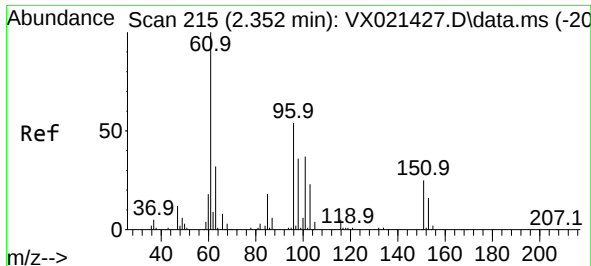
Tgt Ion:101 Resp: 13401
Ion Ratio Lower Upper
101 100
85 46.0 34.9 52.3
151 73.9 61.4 92.2



#11
Tert butyl alcohol
Concen: 0.27 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.012 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

Tgt Ion: 59 Resp: 44
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

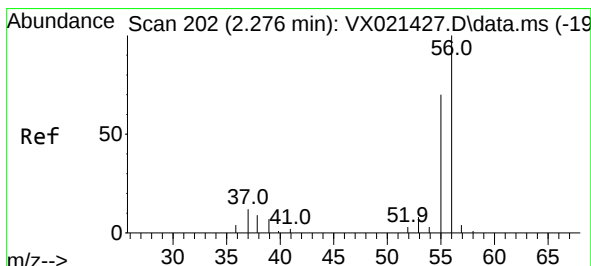
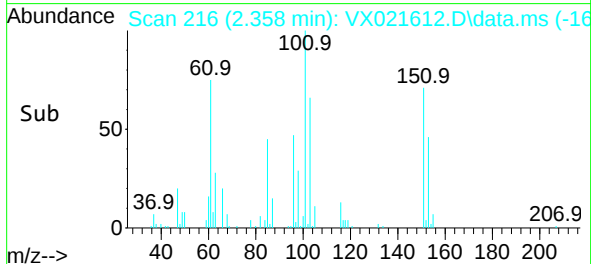
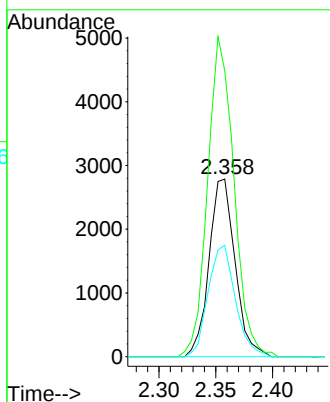
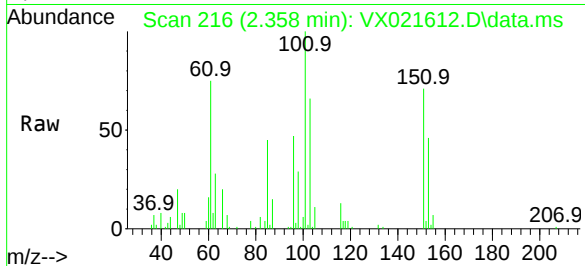




#12
1,1-Dichloroethene
Concen: 7.40 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

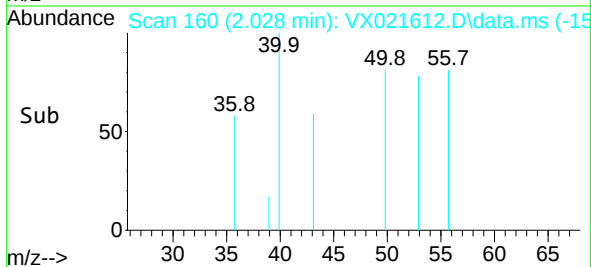
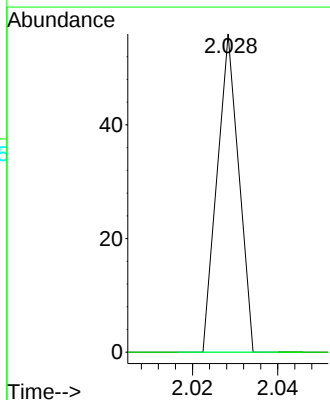
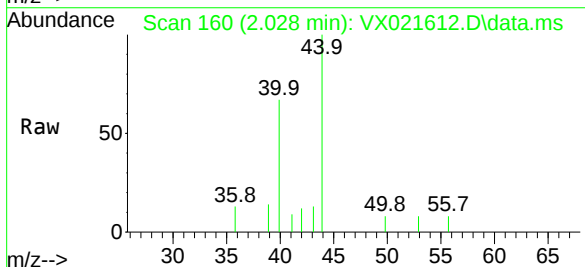
Instrument :
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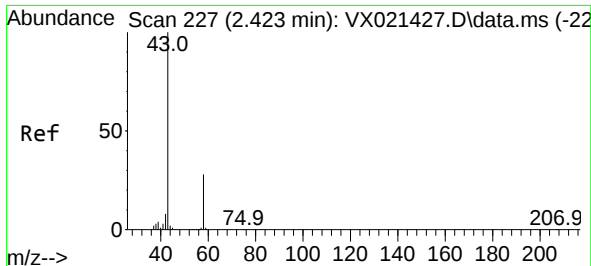
Tgt Ion: 96 Resp: 4449
Ion Ratio Lower Upper
96 100
61 161.1 124.6 187.0
98 62.8 50.6 76.0



#13
Acrolein
Concen: 4.54 ug/l
RT: 2.028 min Scan# 160
Delta R.T. -0.248 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

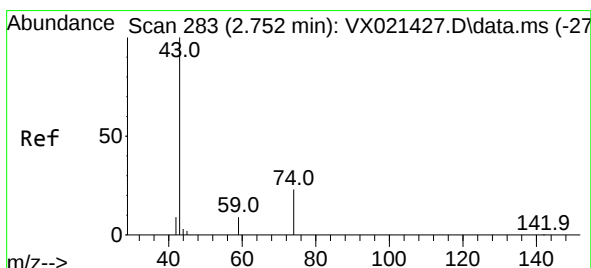
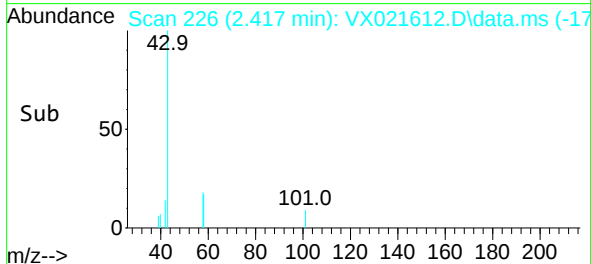
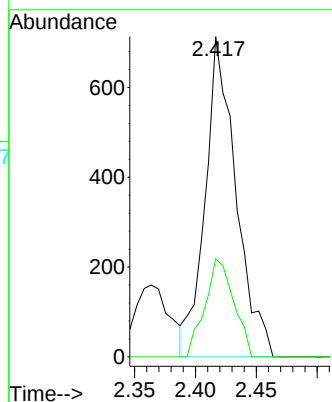
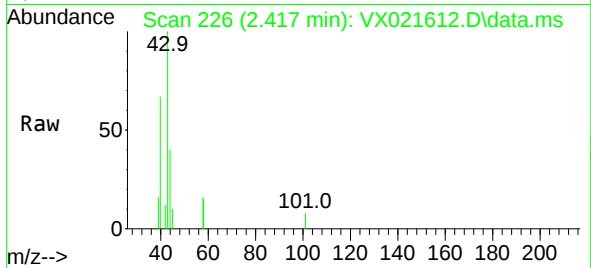




#16
Acetone
Concen: 3.35 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

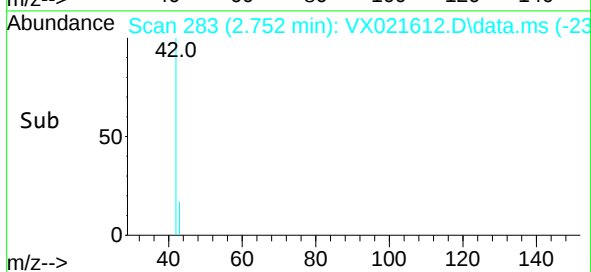
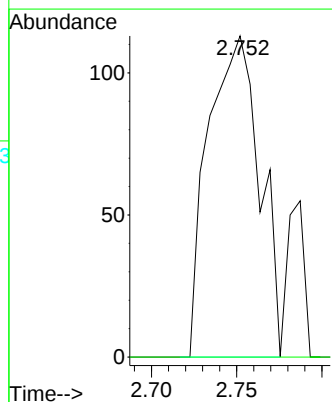
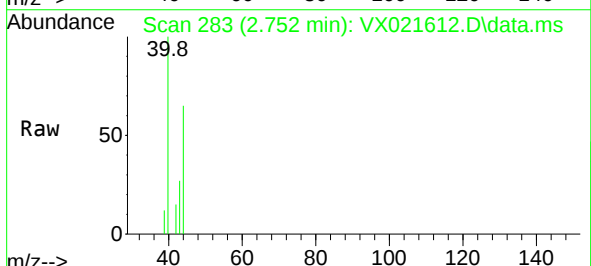
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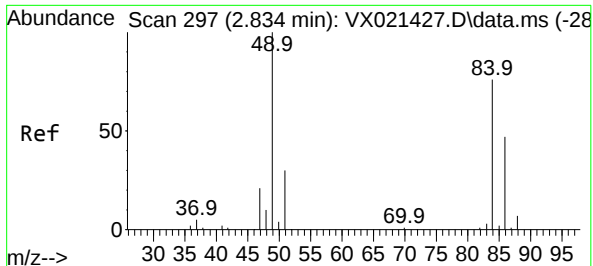
Tgt Ion: 43 Resp: 1257
Ion Ratio Lower Upper
43 100
58 30.6 27.8 41.8



#18
Methyl Acetate
Concen: 0.22 ug/l
RT: 2.752 min Scan# 283
Delta R.T. -0.000 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

Tgt Ion: 43 Resp: 238
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.59 ug/l

RT: 2.834 min Scan# 297

Delta R.T. 0.000 min

Lab File: VX021612.D

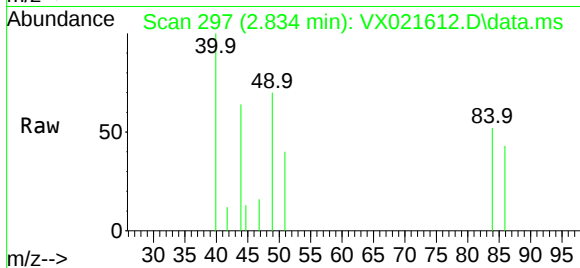
Acq: 30 Mar 2021 05:45

Instrument :

MSVOA_X

ClientSampleId :

DUP08-20210325



Tgt Ion: 84 Resp: 433

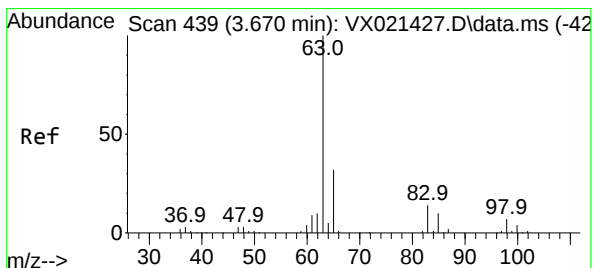
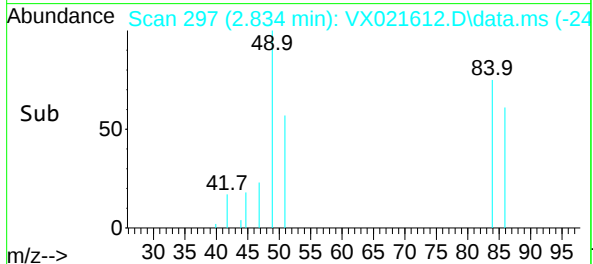
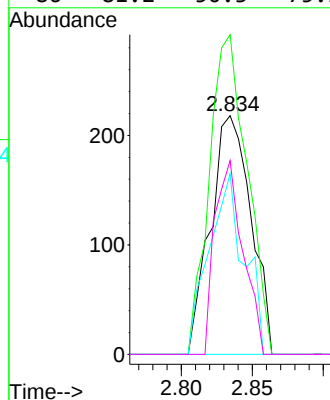
Ion Ratio Lower Upper

84 100

49 133.9 88.6 132.8#

51 75.7 27.0 40.6#

86 81.2 50.3 75.5#



#24

1,1-Dichloroethane

Concen: 1.22 ug/l

RT: 3.664 min Scan# 438

Delta R.T. -0.006 min

Lab File: VX021612.D

Acq: 30 Mar 2021 05:45

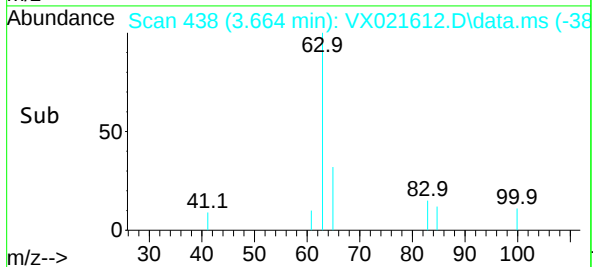
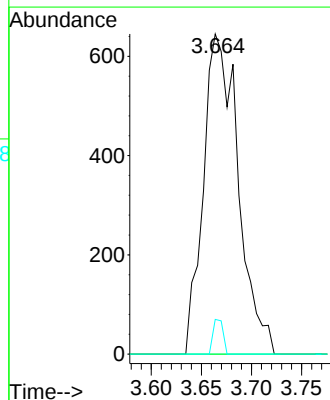
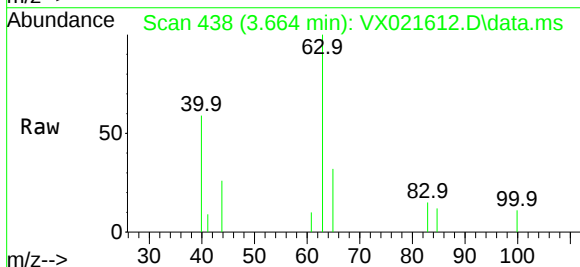
Tgt Ion: 63 Resp: 1558

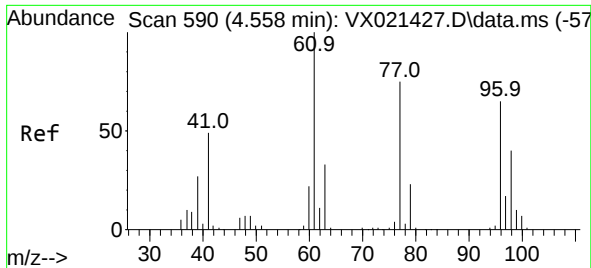
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 10.9 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 3.16 ug/l

RT: 4.564 min Scan# 591

Delta R.T. 0.006 min

Lab File: VX021612.D

Acq: 30 Mar 2021 05:45

Tgt Ion: 96 Resp: 2427

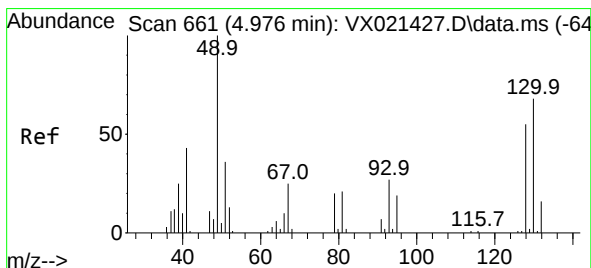
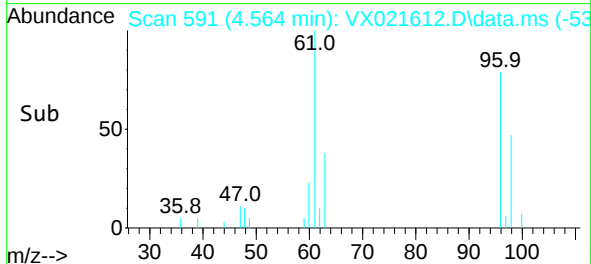
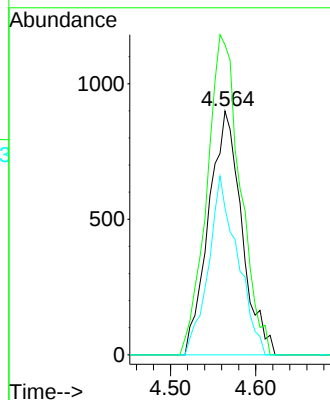
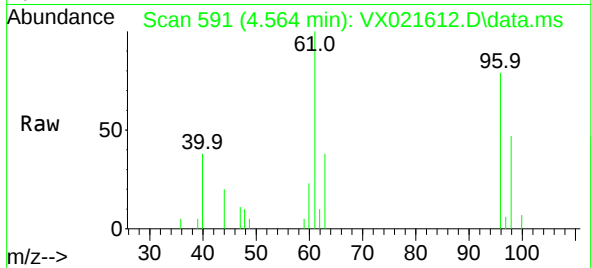
Ion	Ratio	Lower	Upper
96	100		
61	132.6	0.0	285.6
98	64.4	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

DUP08-20210325



#28

Bromochloromethane

Concen: 0.70 ug/l

RT: 5.182 min Scan# 696

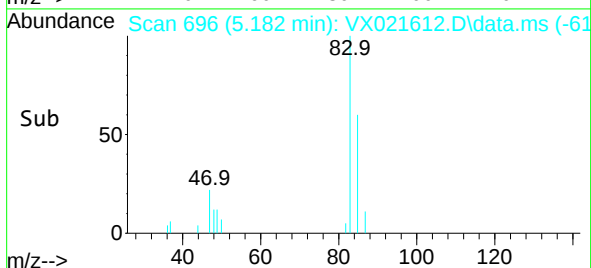
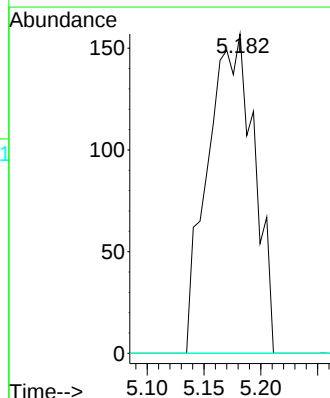
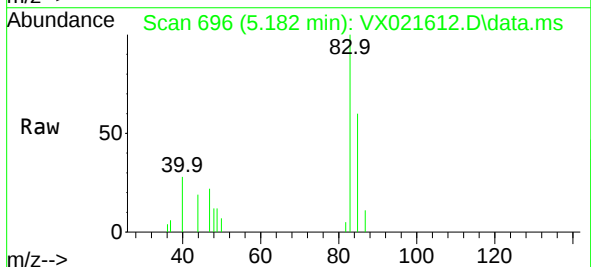
Delta R.T. 0.206 min

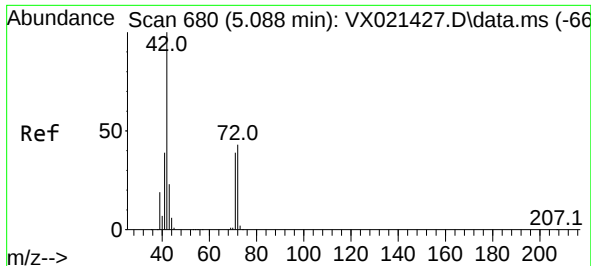
Lab File: VX021612.D

Acq: 30 Mar 2021 05:45

Tgt Ion: 49 Resp: 445

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	0.0	68.2	102.2#





#29

Tetrahydrofuran

Concen: 0.46 ug/l

RT: 5.105 min Scan# 683

Delta R.T. 0.017 min

Lab File: VX021612.D

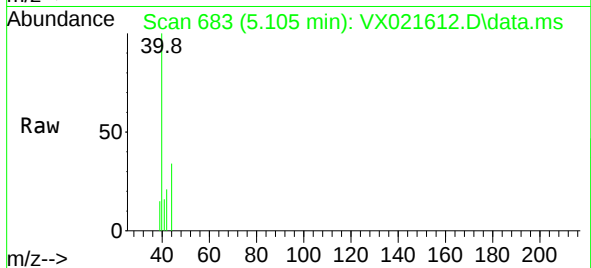
Acq: 30 Mar 2021 05:45

Instrument :

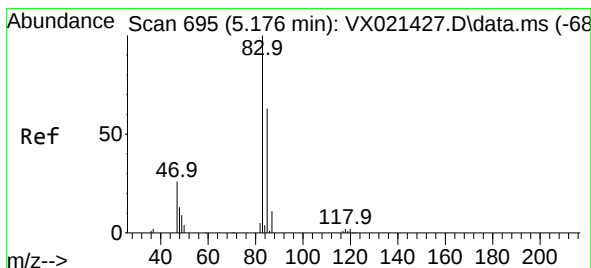
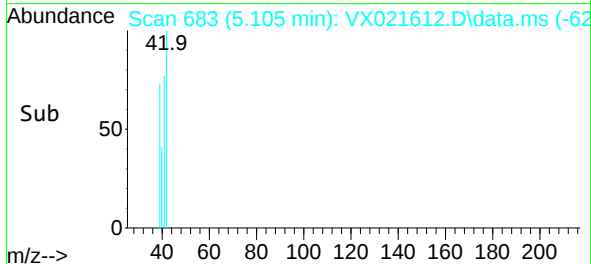
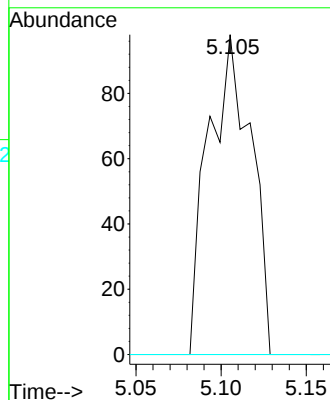
MSVOA_X

ClientSampleId :

DUP08-20210325



Tgt Ion:	42	Resp:	171
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#



#30

Chloroform

Concen: 2.92 ug/l

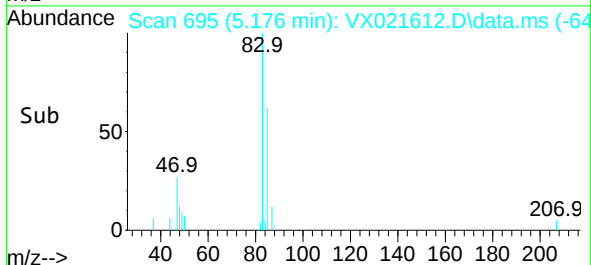
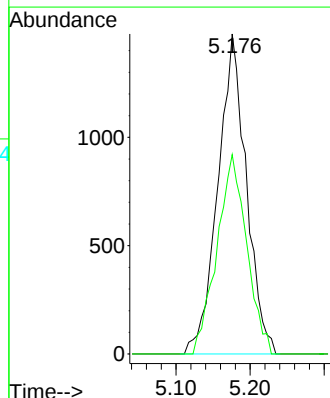
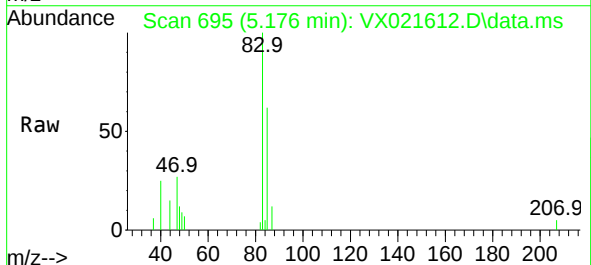
RT: 5.176 min Scan# 695

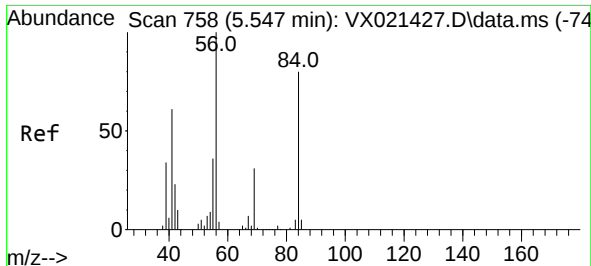
Delta R.T. -0.000 min

Lab File: VX021612.D

Acq: 30 Mar 2021 05:45

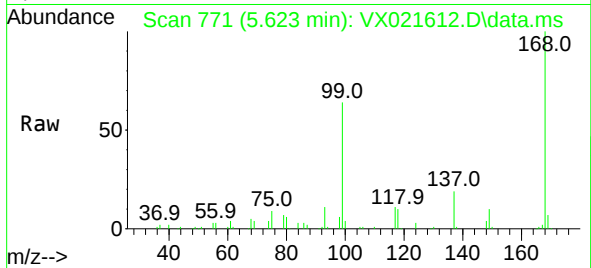
Tgt Ion:	83	Resp:	3941
Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.0	78.0



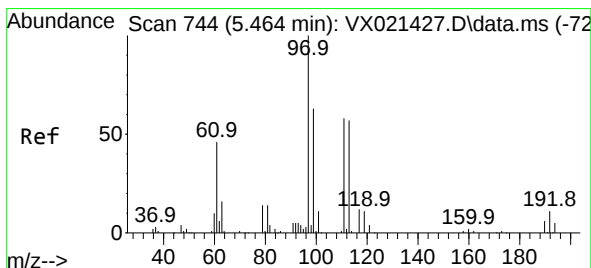
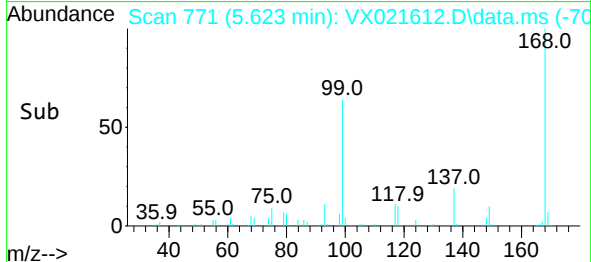
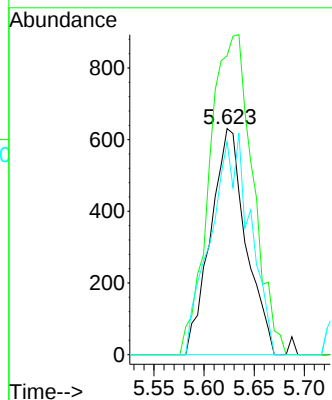


#31
Cyclohexane
Concen: 1.42 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

Instrument :
MSVOA_X
ClientSampleId :
DUP08-20210325

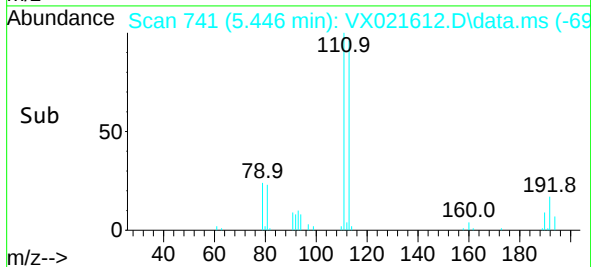
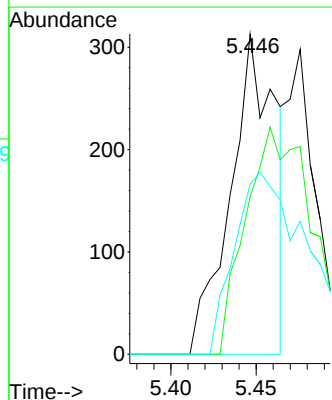
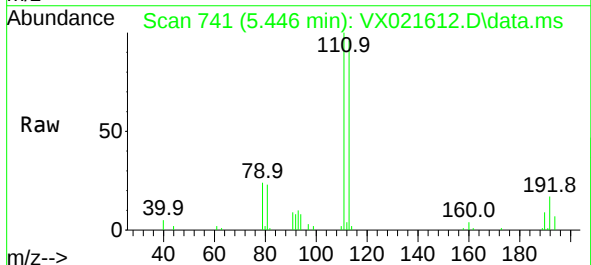


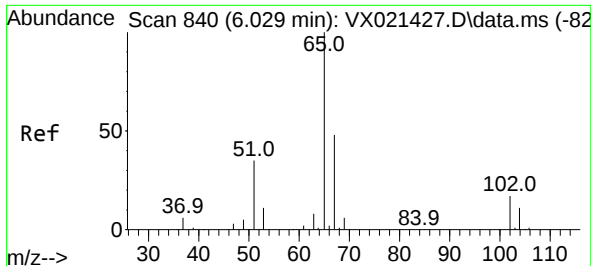
Tgt Ion: 56 Resp: 1546
Ion Ratio Lower Upper
56 100
69 132.2 25.3 37.9#
84 94.1 71.4 107.0



#32
1,1,1-Trichloroethane
Concen: 0.48 ug/l
RT: 5.446 min Scan# 741
Delta R.T. -0.018 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

Tgt Ion: 97 Resp: 573
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 87.4 34.2 51.4#





#33

1,2-Dichloroethane-d4

Concen: 52.13 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

Lab File: VX021612.D

Acq: 30 Mar 2021 05:45

Tgt Ion: 65 Resp: 51759

Ion Ratio Lower Upper

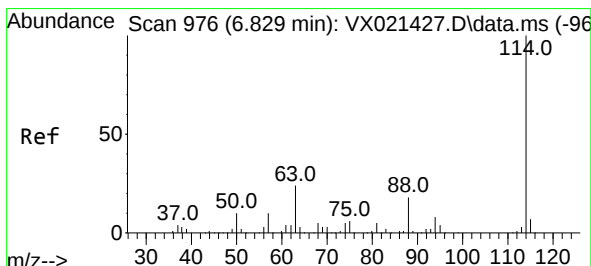
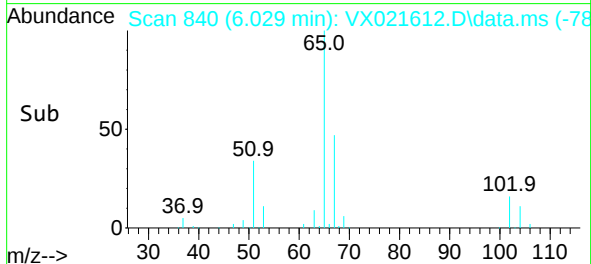
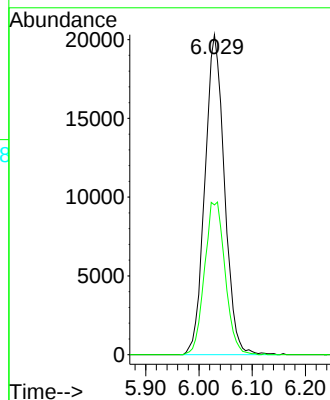
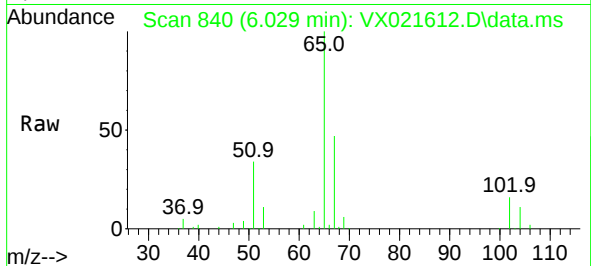
65	100		
67	50.3	0.0	105.4

Instrument :

MSVOA_X

ClientSampleId :

DUP08-20210325



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. -0.000 min

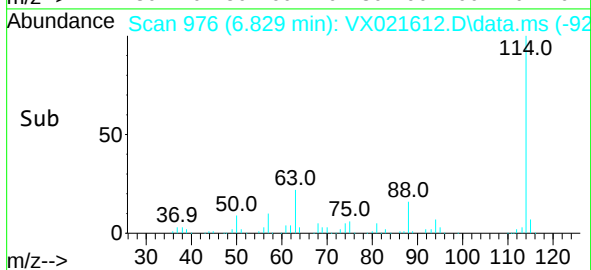
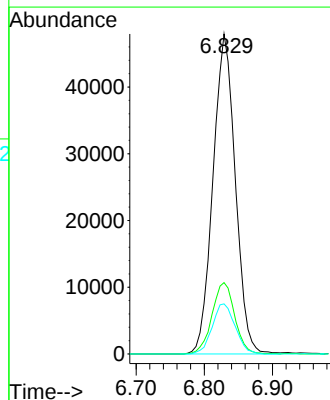
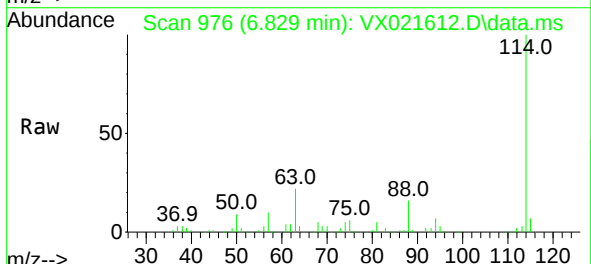
Lab File: VX021612.D

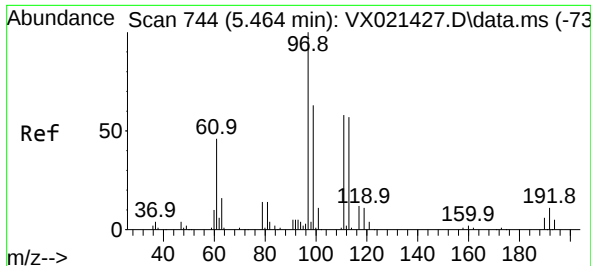
Acq: 30 Mar 2021 05:45

Tgt Ion: 114 Resp: 109380

Ion Ratio Lower Upper

114	100		
63	22.3	0.0	40.8
88	15.6	0.0	32.8





#35

Dibromofluoromethane

Concen: 51.36 ug/l

RT: 5.464 min Scan# 744

Delta R.T. 0.000 min

Lab File: VX021612.D

Acq: 30 Mar 2021 05:45

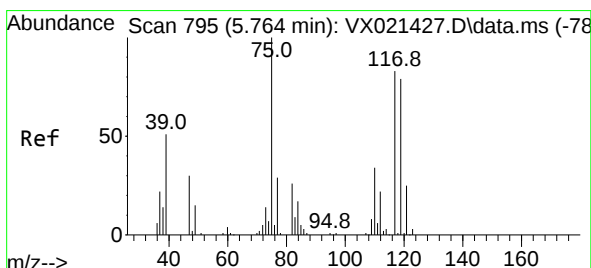
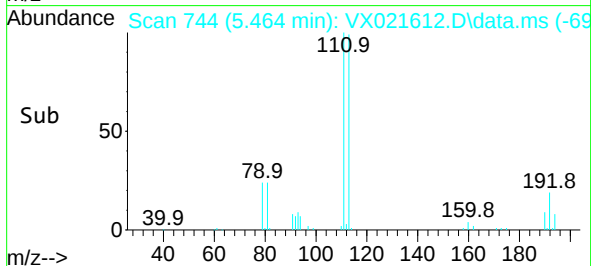
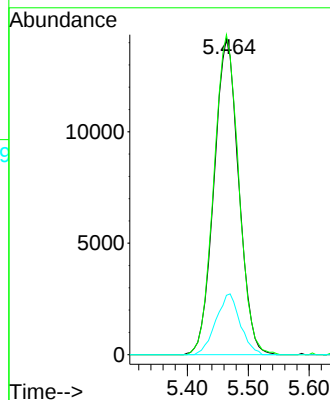
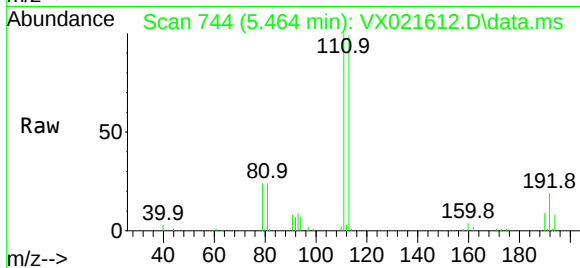
Tgt Ion:113 Resp: 39902

Ion Ratio Lower Upper

113 100

111 101.9 81.9 122.9

192 18.8 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.91 ug/l

RT: 5.623 min Scan# 771

Delta R.T. -0.141 min

Lab File: VX021612.D

Acq: 30 Mar 2021 05:45

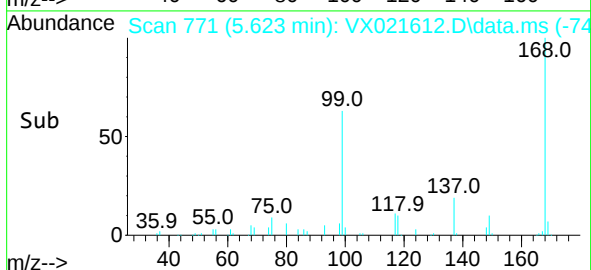
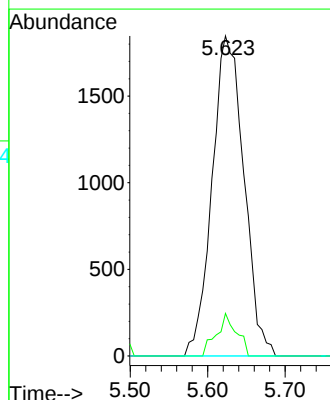
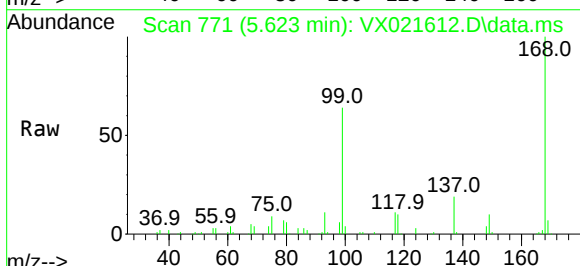
Tgt Ion: 75 Resp: 5259

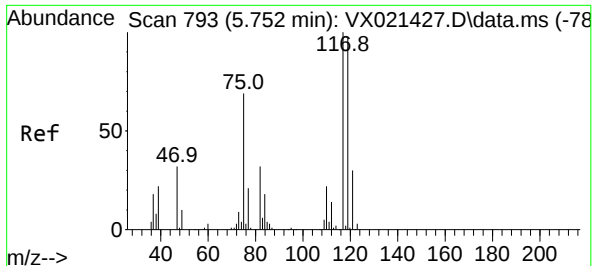
Ion Ratio Lower Upper

75 100

110 8.4 18.1 54.4#

77 0.0 25.3 37.9#

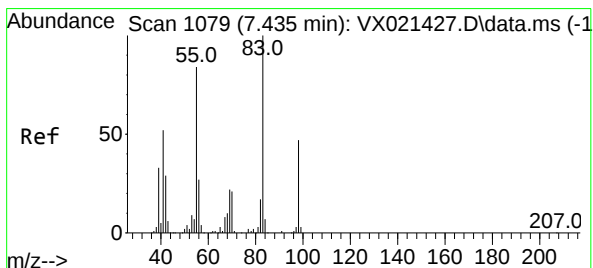
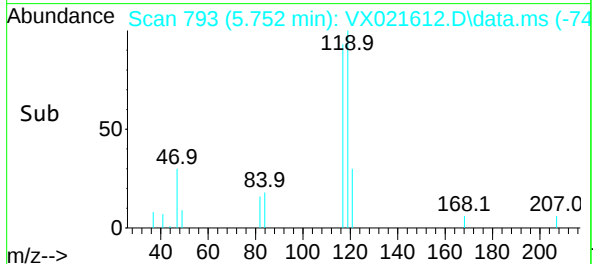
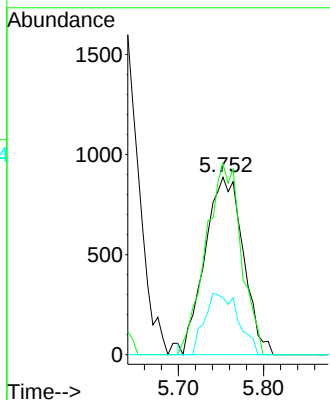
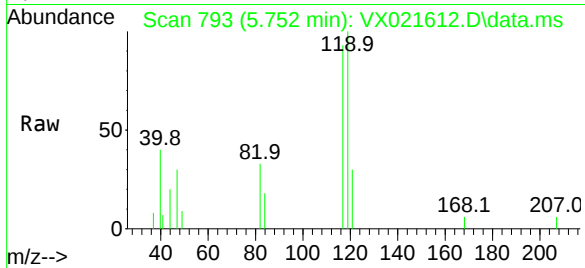




#38
Carbon Tetrachloride
Concen: 2.41 ug/l
RT: 5.752 min Scan# 793
Delta R.T. 0.000 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

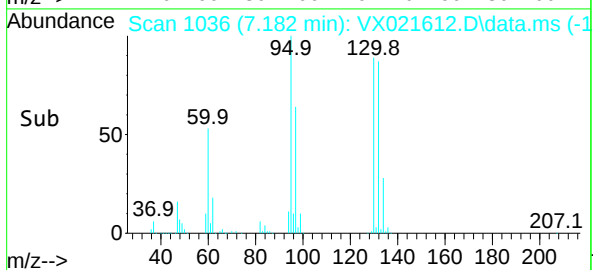
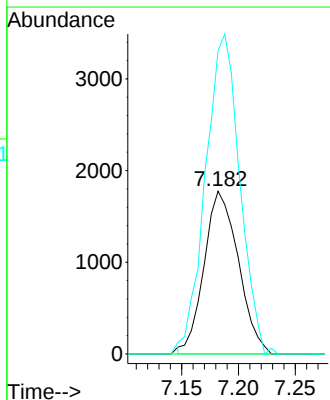
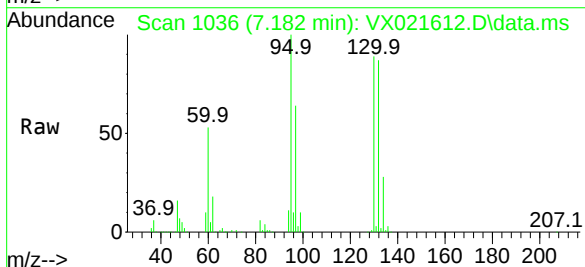
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20210325

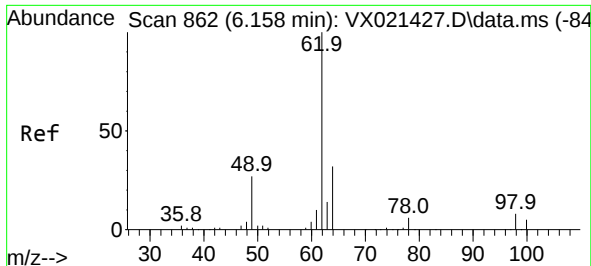
Tgt Ion:117 Resp: 2778
Ion Ratio Lower Upper
117 100
119 107.6 76.2 114.2
121 32.1 24.8 37.2



#39
Methylcyclohexane
Concen: 3.13 ug/l
RT: 7.182 min Scan# 1036
Delta R.T. -0.253 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

Tgt Ion: 83 Resp: 3719
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 191.8 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.39 ug/l

RT: 6.158 min Scan# 862

Delta R.T. 0.000 min

Lab File: VX021612.D

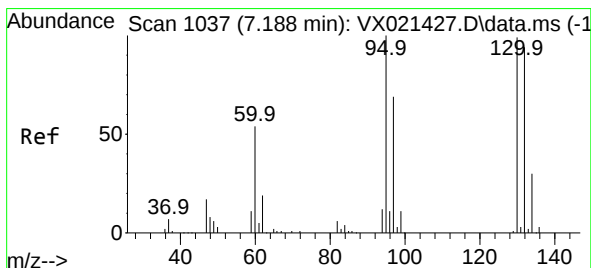
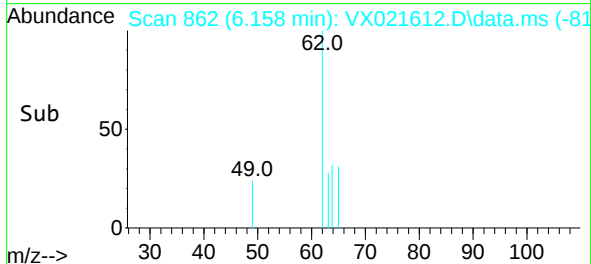
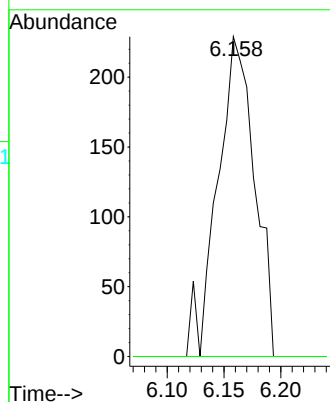
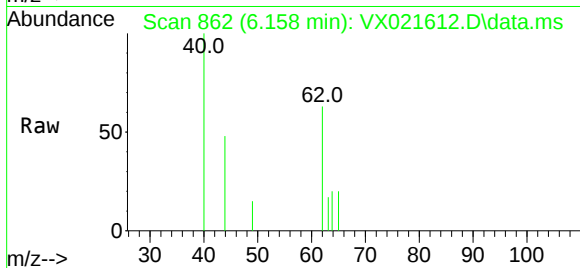
Acq: 30 Mar 2021 05:45

Tgt Ion: 62 Resp: 521

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 328.79 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VX021612.D

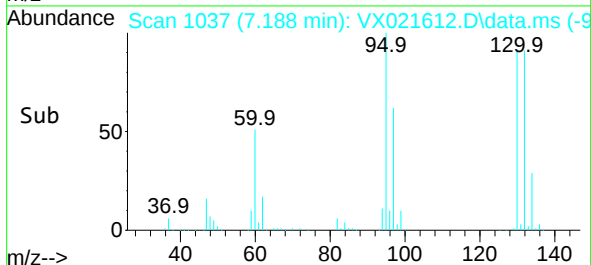
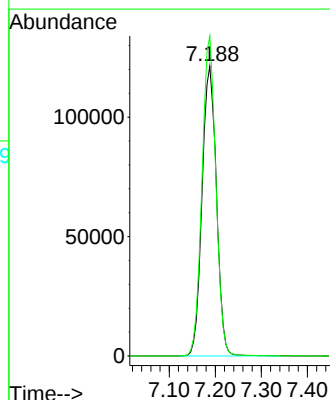
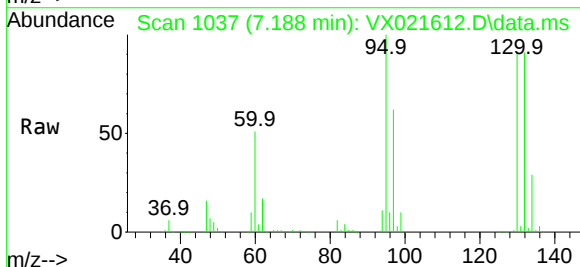
Acq: 30 Mar 2021 05:45

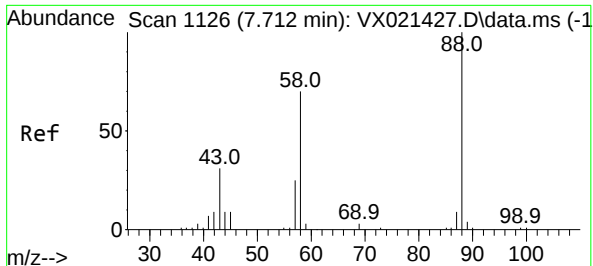
Tgt Ion:130 Resp: 264060

Ion Ratio Lower Upper

130 100

95 110.4 0.0 198.0

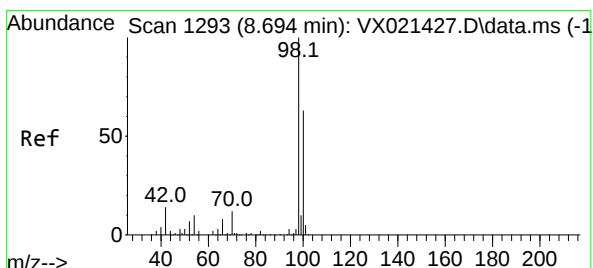
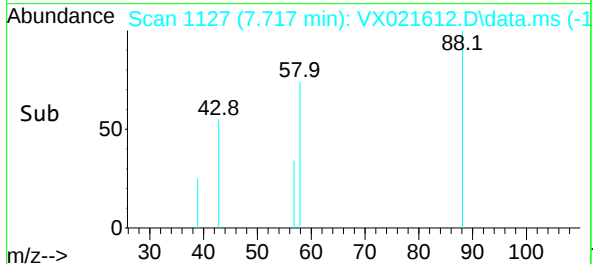
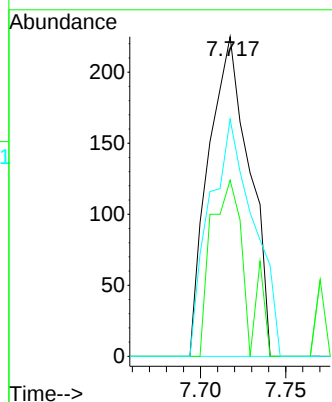
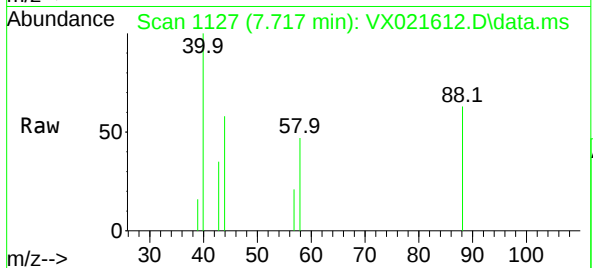




#49
1,4-Dioxane
Concen: 19.46 ug/l
RT: 7.717 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

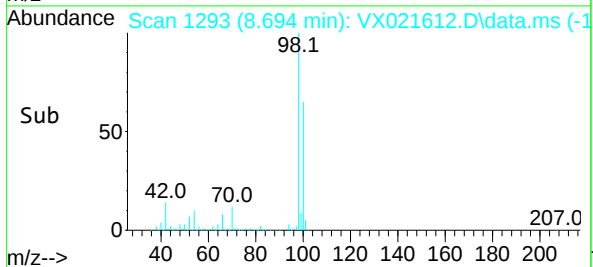
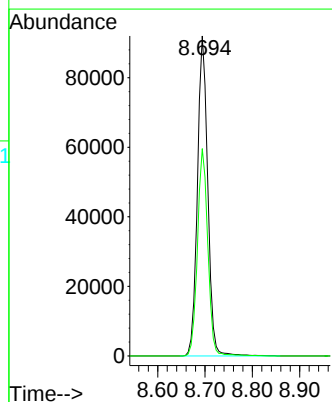
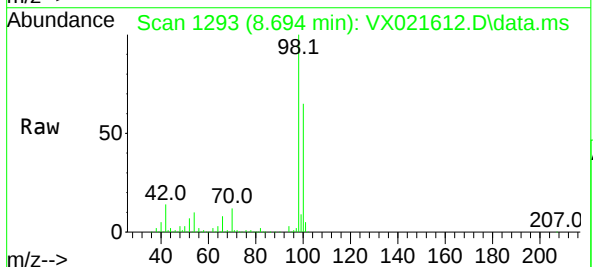
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20210325

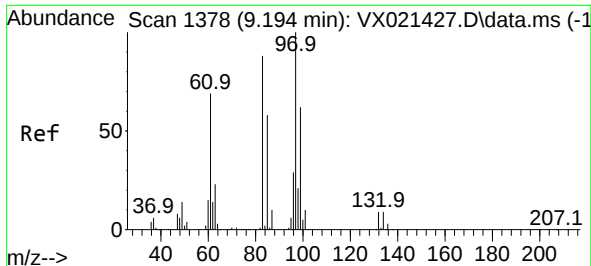
Tgt Ion: 88 Resp: 374
Ion Ratio Lower Upper
88 100
43 46.0 23.2 34.8#
58 80.2 55.0 82.4



#50
Toluene-d8
Concen: 50.46 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

Tgt Ion: 98 Resp: 139705
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9

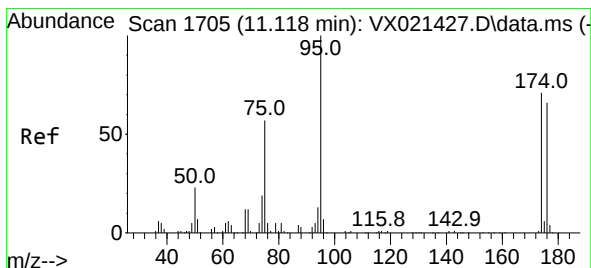
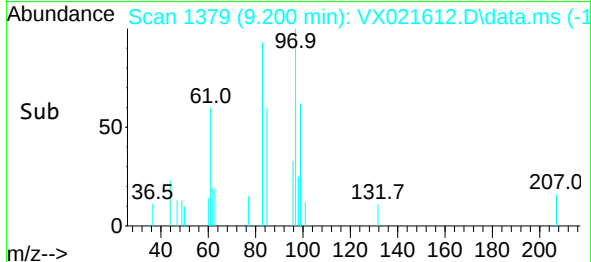
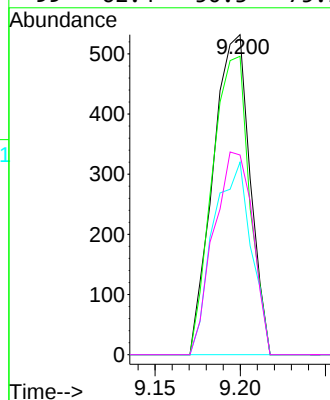
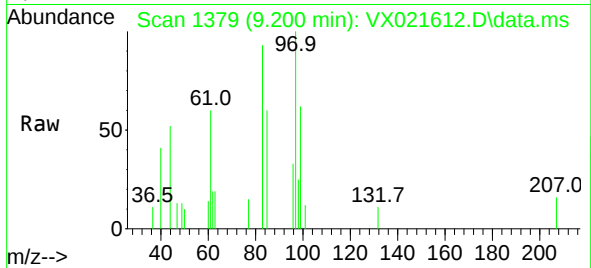




#55
1,1,2-Trichloroethane
Concen: 1.01 ug/l
RT: 9.200 min Scan# 1379
Delta R.T. 0.006 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

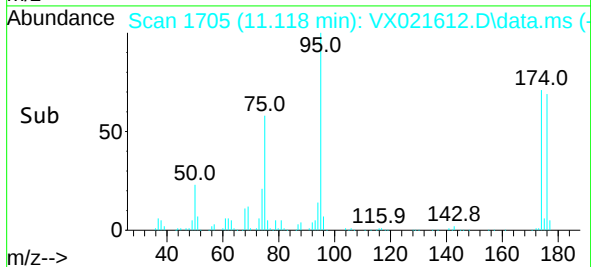
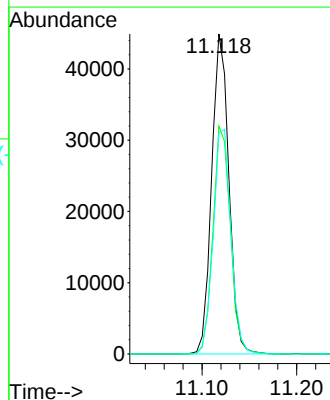
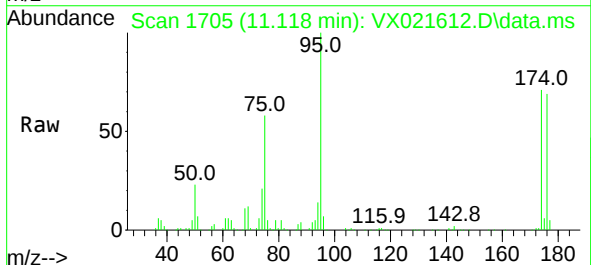
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20210325

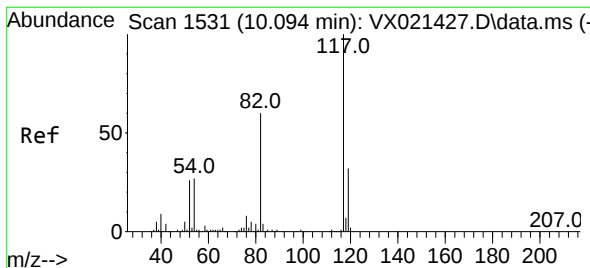
Tgt Ion:	97	Resp:	801
Ion	Ratio	Lower	Upper
97	100		
83	93.2	69.3	103.9
85	60.2	44.3	66.5
99	62.4	50.3	75.5



#62
4-Bromofluorobenzene
Concen: 52.55 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

Tgt Ion:	95	Resp:	56569
Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	154.6
176	72.3	0.0	155.8

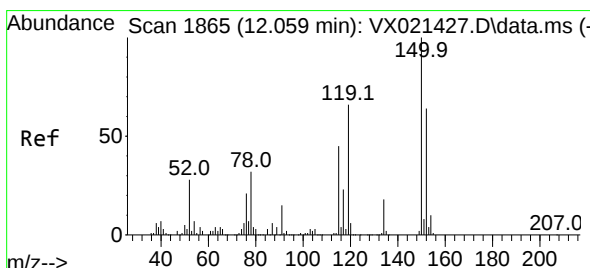
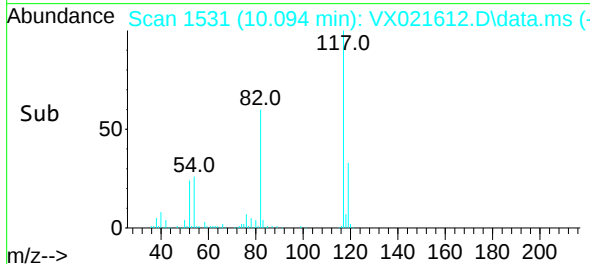
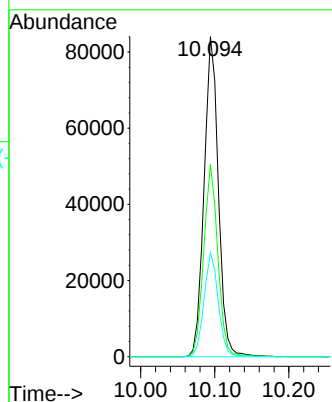
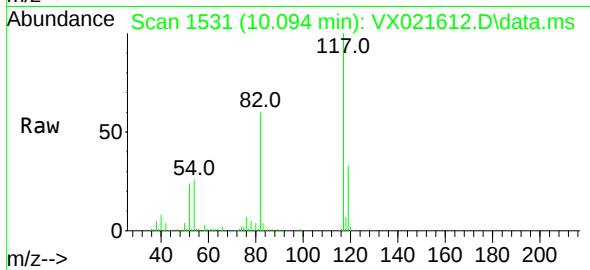




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

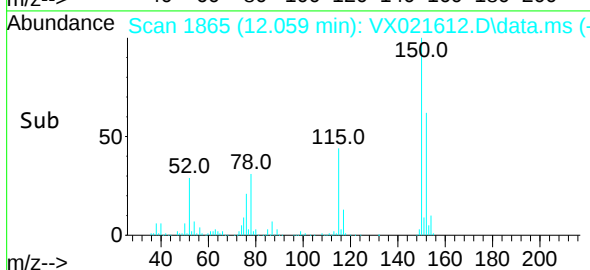
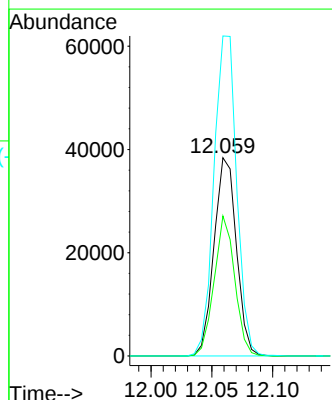
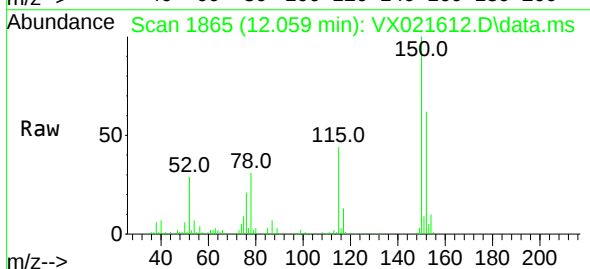
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20210325

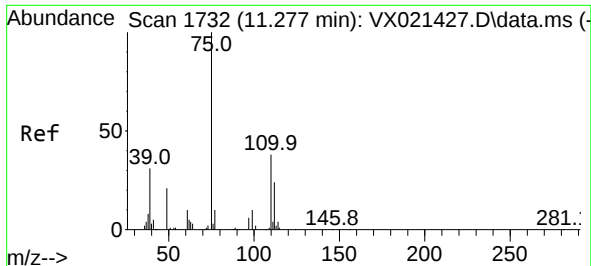
Tgt Ion:117 Resp: 112771
Ion Ratio Lower Upper
117 100
82 60.2 47.4 71.2
119 32.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

Tgt Ion:152 Resp: 49133
Ion Ratio Lower Upper
152 100
115 65.0 41.1 123.3
150 163.9 0.0 349.0

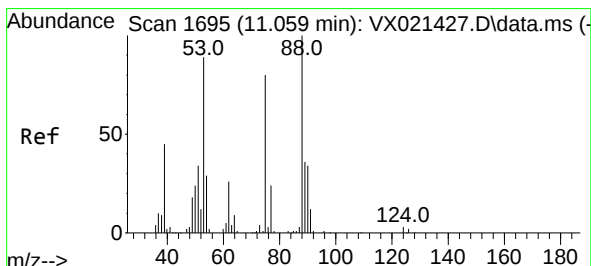
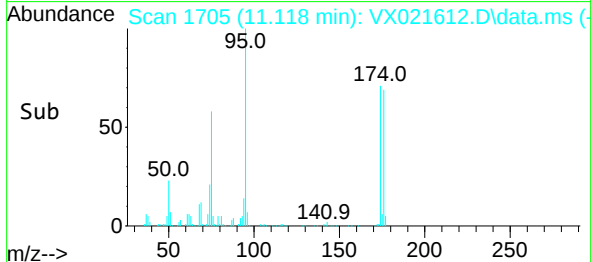
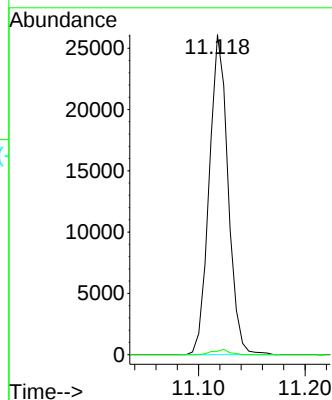
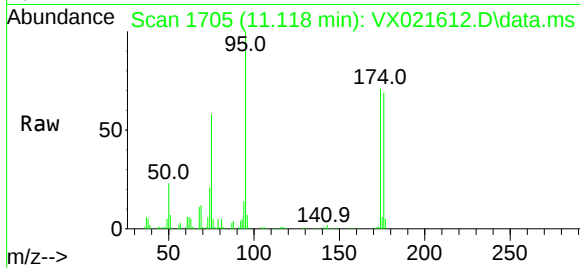




#76
1,2,3-Trichloropropane
Concen: 28.03 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

Instrument :
MSVOA_X
ClientSampleId :
DUP08-20210325

Tgt Ion: 75 Resp: 32065
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.39 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021612.D
Acq: 30 Mar 2021 05:45

Tgt Ion: 75 Resp: 32065
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

