

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032921\
 Data File : VX021570.D
 Acq On : 29 Mar 2021 12:32
 Operator : JC/MD
 Sample : M1787-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20210319

Quant Time: Mar 30 03:25:58 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)

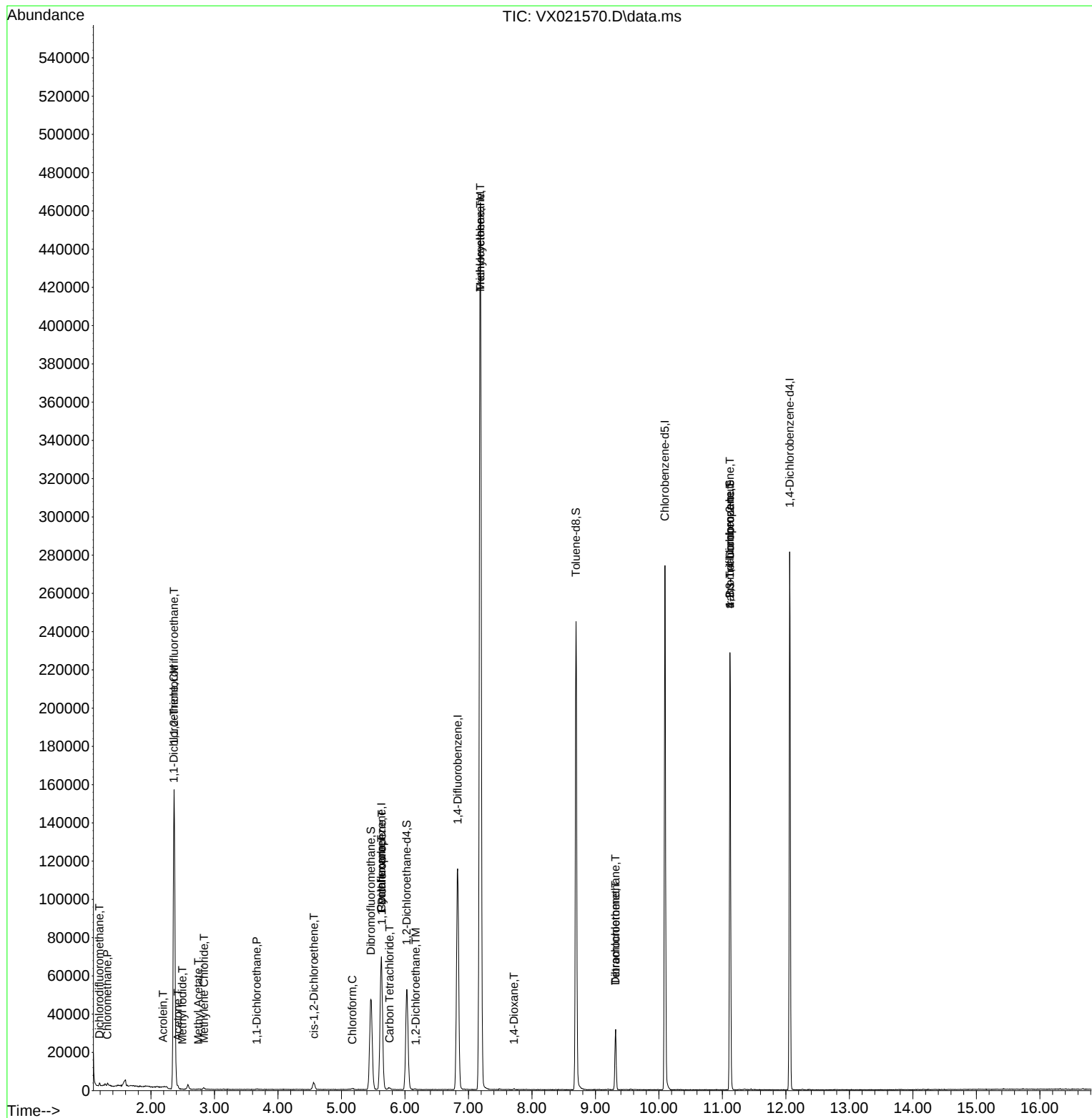
Internal Standards						
1) Pentafluorobenzene	5.629	168	59077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	109827	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	115653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	54164	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	51931	52.83	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.66%			
35) Dibromofluoromethane	5.464	113	39363	50.46	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.92%			
50) Toluene-d8	8.694	98	140469	50.53	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.06%			
62) 4-Bromofluorobenzene	11.118	95	58645	54.26	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.52%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	394	0.61	ug/l	82
3) Chloromethane	1.311	50	1411	1.93	ug/l #	87
9) 1,1,2-Trichlorotrifluo...	2.364	101	60727	99.87	ug/l	93
10) Methyl Iodide	2.493	142	64	6.76	ug/l #	42
12) 1,1-Dichloroethene	2.358	96	772	1.30	ug/l	89
13) Acrolein	2.187	56	64	5.07	ug/l #	1
16) Acetone	2.423	43	1266	3.41	ug/l	96
18) Methyl Acetate	2.746	43	337	0.31	ug/l #	47
20) Methylene Chloride	2.834	84	323	0.45	ug/l #	54
24) 1,1-Dichloroethane	3.664	63	364	0.29	ug/l #	81
27) cis-1,2-Dichloroethene	4.564	96	2032	2.68	ug/l	98
30) Chloroform	5.170	83	664	0.50	ug/l #	68
31) Cyclohexane	5.629	56	1752	1.62	ug/l #	50
36) 1,1-Dichloropropene	5.635	75	5296	4.92	ug/l #	50
38) Carbon Tetrachloride	5.758	117	714	0.62	ug/l #	79
39) Methylcyclohexane	7.188	83	2215	1.86	ug/l #	1
42) 1,2-Dichloroethane	6.170	62	388	0.29	ug/l #	73
44) Trichloroethene	7.188	130	166003	205.86	ug/l	92
49) 1,4-Dioxane	7.717	88	168	8.71	ug/l #	48
60) Dibromochloromethane	9.318	129	5277	5.91	ug/l #	11
64) Tetrachloroethene	9.318	164	5444	7.03	ug/l	96
76) 1,2,3-Trichloropropane	11.118	75	32852	26.05	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	32852	79.36	ug/l #	12

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

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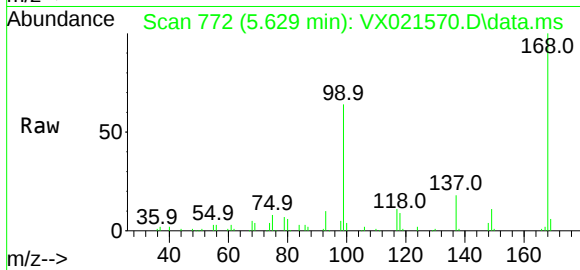
Quant Time: Mar 30 03:25:58 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 24 12:25:26 2021
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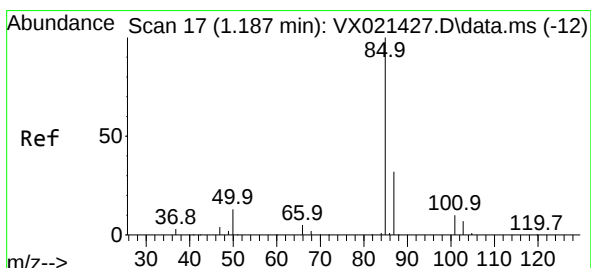
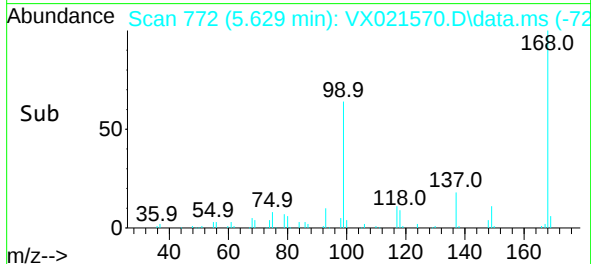
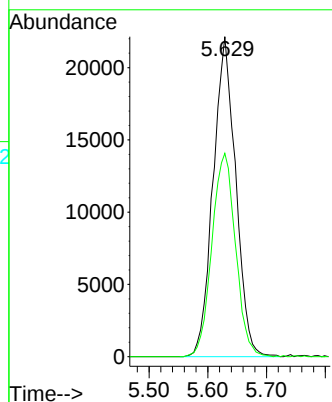


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021570.D
Acq: 29 Mar 2021 12:32

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20210319

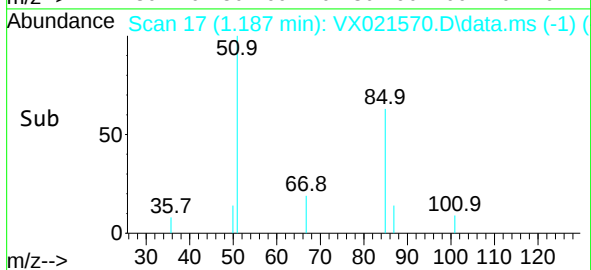
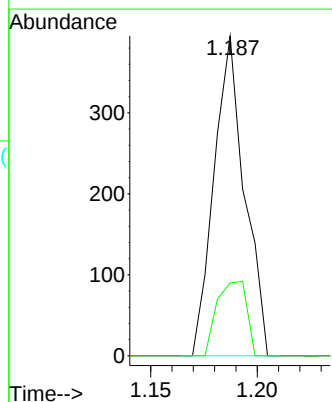
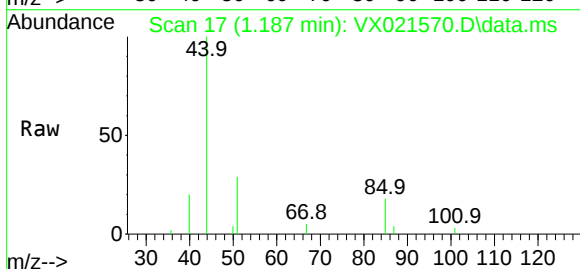


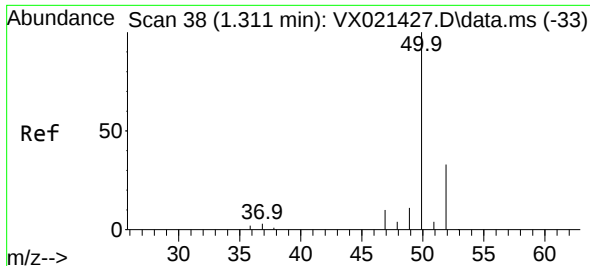
Tgt Ion:168 Resp: 59077
Ion Ratio Lower Upper
168 100
99 63.5 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.61 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021570.D
Acq: 29 Mar 2021 12:32

Tgt Ion: 85 Resp: 394
Ion Ratio Lower Upper
85 100
87 22.8 16.4 49.2

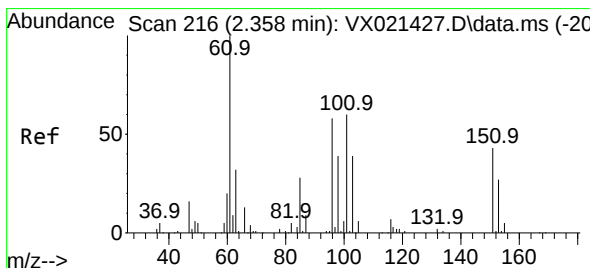
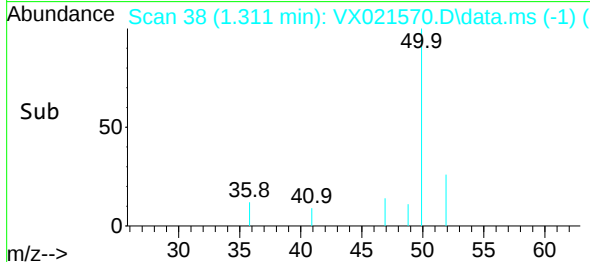
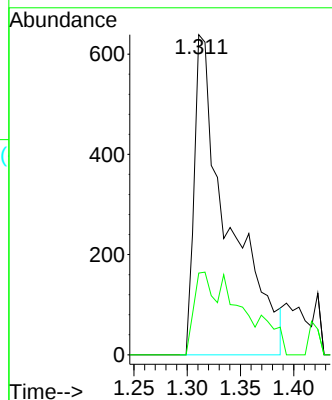
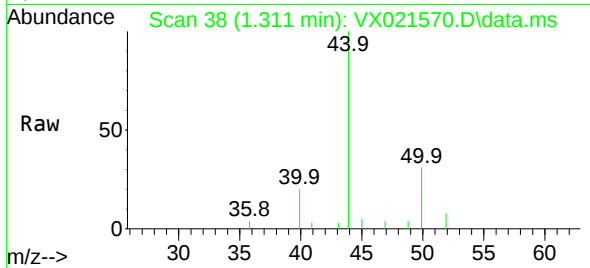




#3
Chloromethane
Concen: 1.93 ug/l
RT: 1.311 min Scan# 38
Delta R.T. -0.000 min
Lab File: VX021570.D
Acq: 29 Mar 2021 12:32

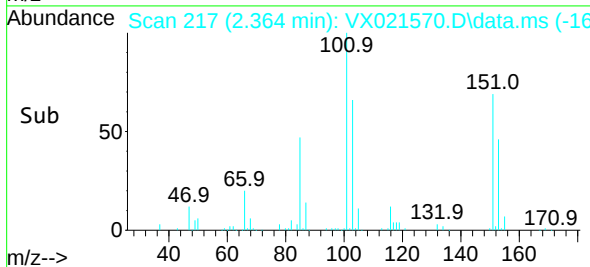
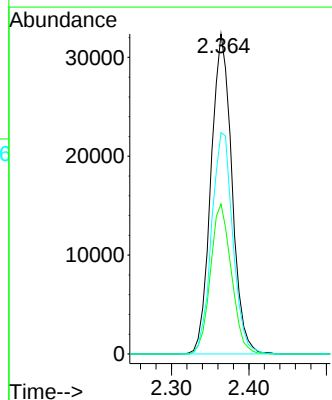
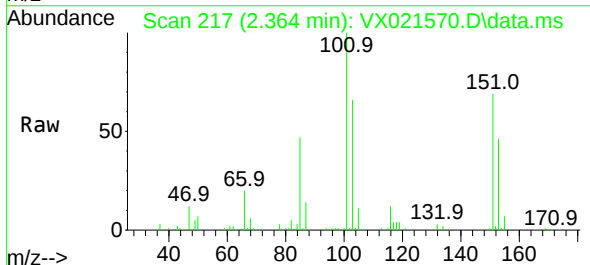
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20210319

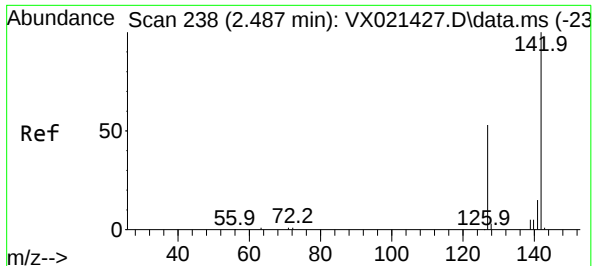
Tgt Ion: 50 Resp: 1411
Ion Ratio Lower Upper
50 100
52 25.5 26.4 39.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 99.87 ug/l
RT: 2.364 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX021570.D
Acq: 29 Mar 2021 12:32

Tgt Ion: 101 Resp: 60727
Ion Ratio Lower Upper
101 100
85 46.8 34.9 52.3
151 70.4 61.4 92.2

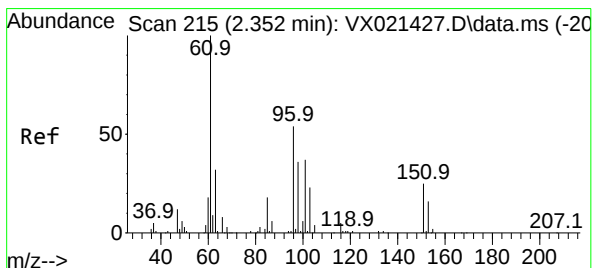
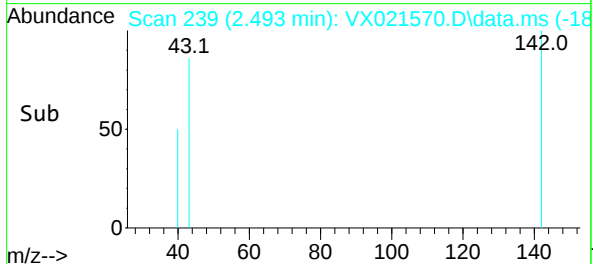
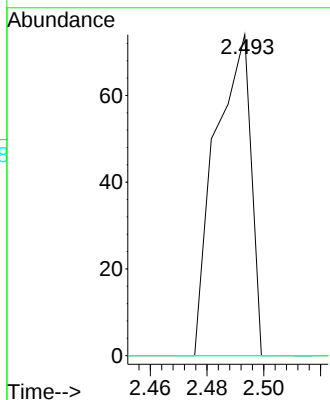
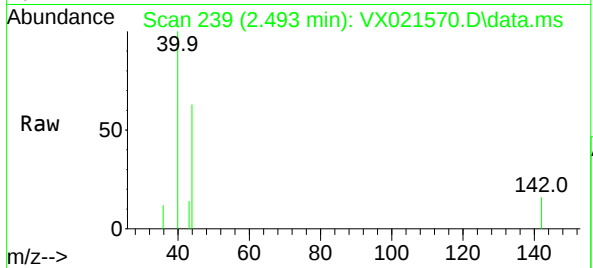




#10
Methyl Iodide
Concen: 6.76 ug/l
RT: 2.493 min Scan# 239
Delta R.T. 0.006 min
Lab File: VX021570.D
Acq: 29 Mar 2021 12:32

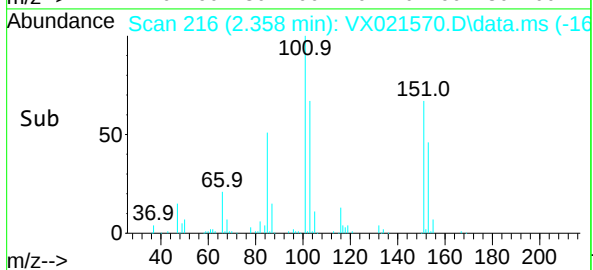
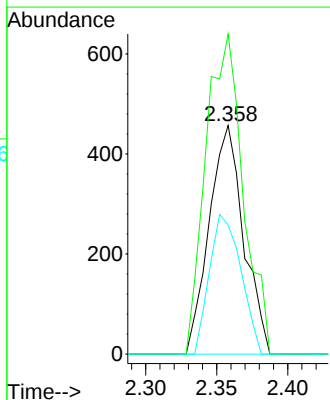
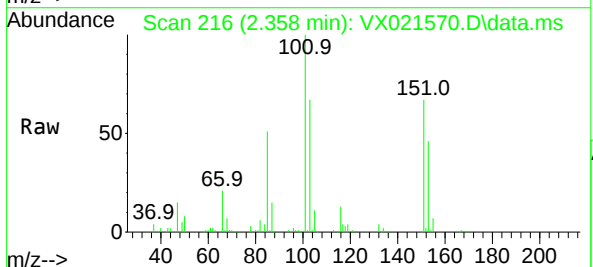
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20210319

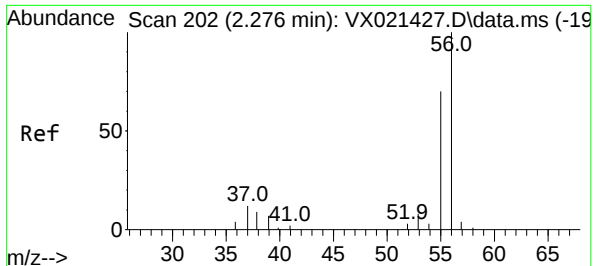
Tgt Ion:142 Resp: 64
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#12
1,1-Dichloroethene
Concen: 1.30 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021570.D
Acq: 29 Mar 2021 12:32

Tgt Ion: 96 Resp: 772
Ion Ratio Lower Upper
96 100
61 140.0 124.6 187.0
98 56.5 50.6 76.0

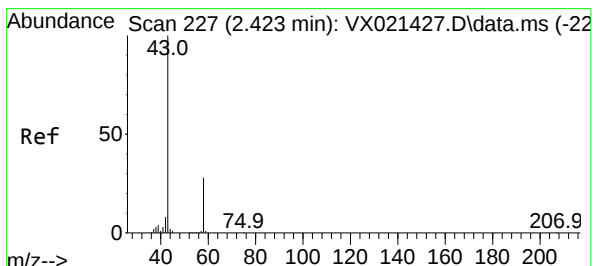
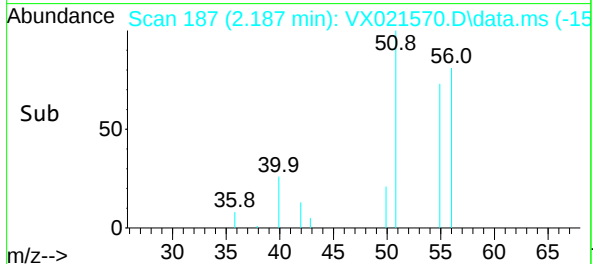
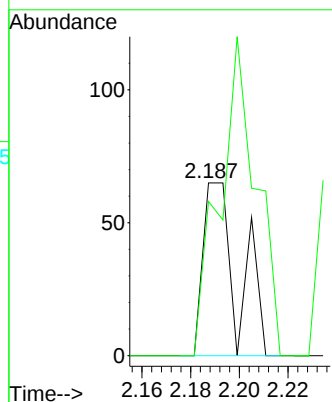
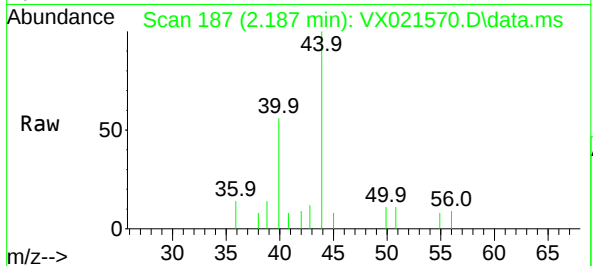




#13
Acrolein
Concen: 5.07 ug/l
RT: 2.187 min Scan# 187
Delta R.T. -0.089 min
Lab File: VX021570.D
Acq: 29 Mar 2021 12:32

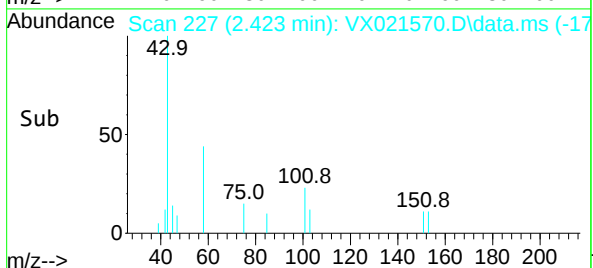
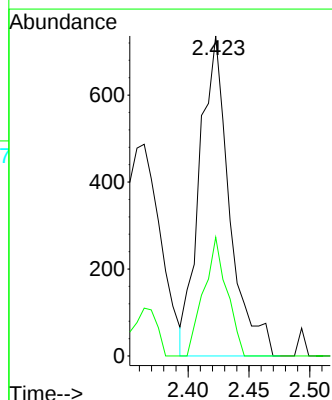
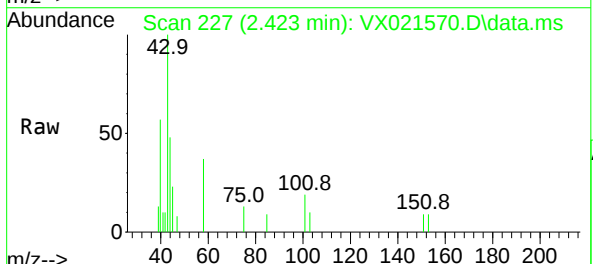
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20210319

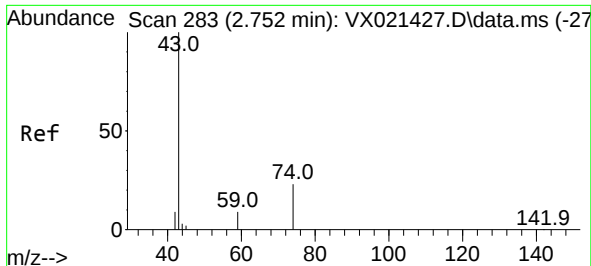
Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 195.3 56.4 84.6#



#16
Acetone
Concen: 3.41 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021570.D
Acq: 29 Mar 2021 12:32

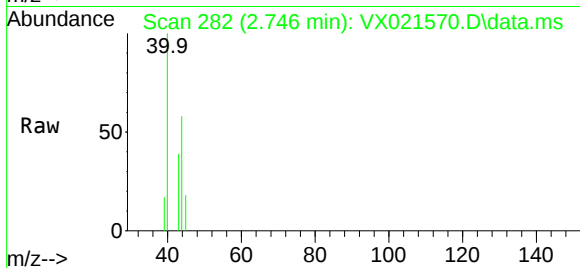
Tgt Ion: 43 Resp: 1266
Ion Ratio Lower Upper
43 100
58 37.1 27.8 41.8



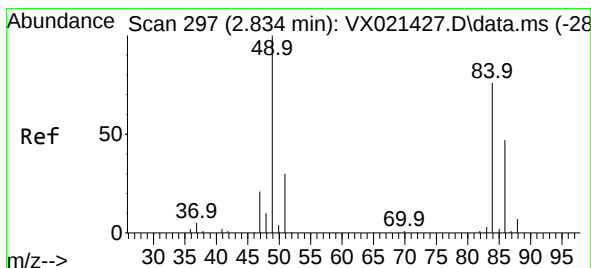
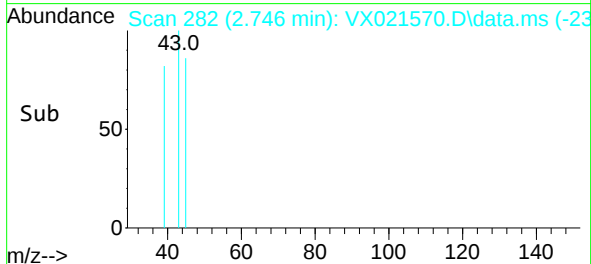
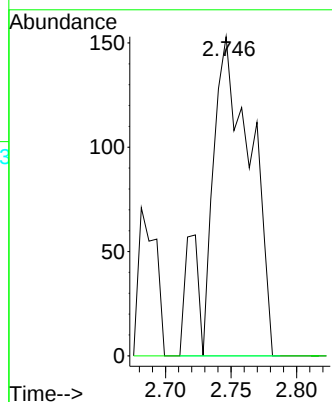


#18
Methyl Acetate
Concen: 0.31 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021570.D
Acq: 29 Mar 2021 12:32

Instrument :
MSVOA_X
ClientSampleId :
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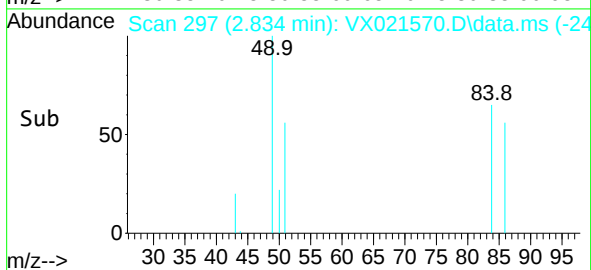
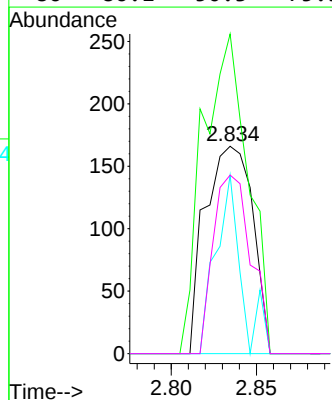
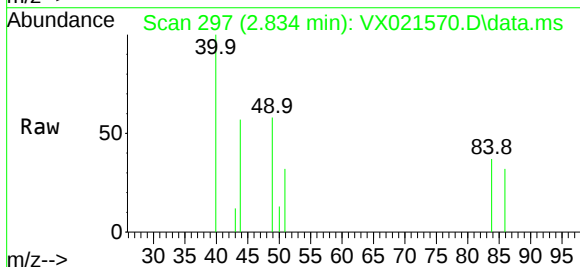


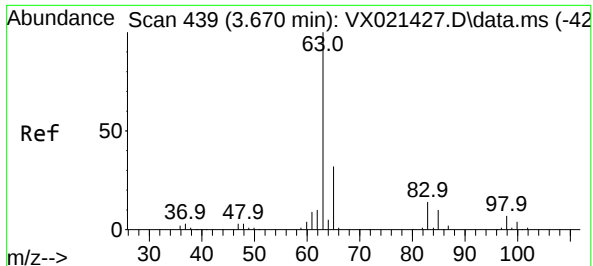
Tgt Ion: 43 Resp: 337
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 0.45 ug/l
RT: 2.834 min Scan# 297
Delta R.T. 0.000 min
Lab File: VX021570.D
Acq: 29 Mar 2021 12:32

Tgt Ion: 84 Resp: 323
Ion Ratio Lower Upper
84 100
49 154.2 88.6 132.8#
51 86.1 27.0 40.6#
86 86.1 50.3 75.5#

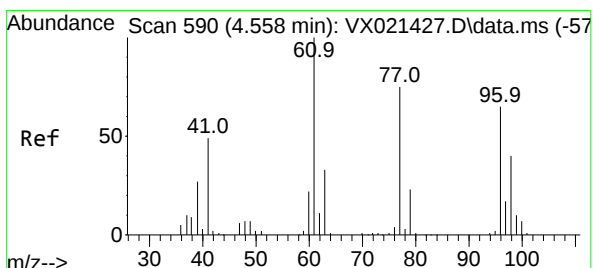
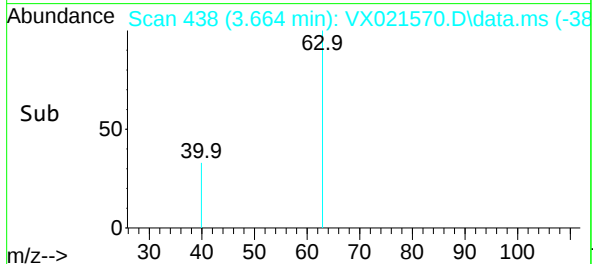
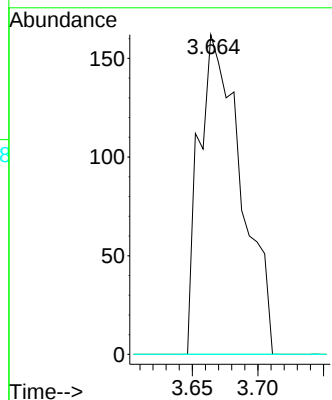
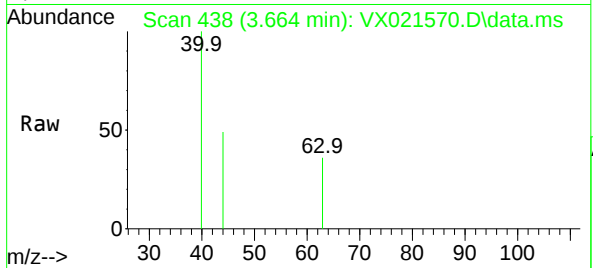




#24
1,1-Dichloroethane
Concen: 0.29 ug/l
RT: 3.664 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX021570.D
Acq: 29 Mar 2021 12:32

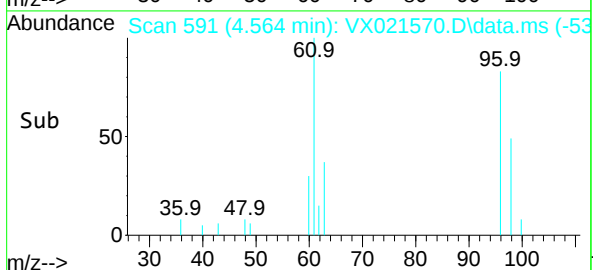
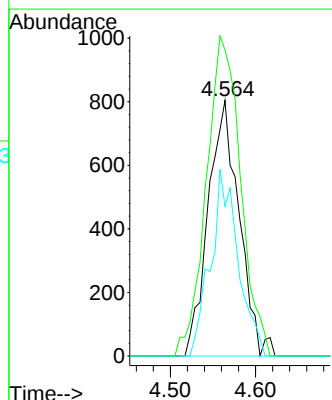
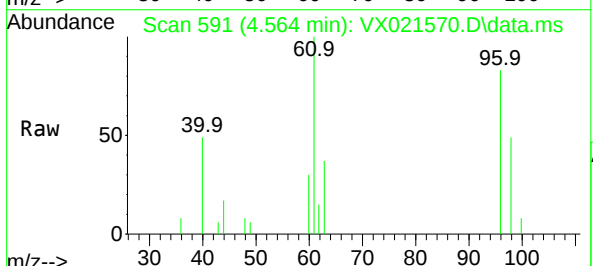
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MSVOA_X
ClientSampleId :
DUP03-20210319

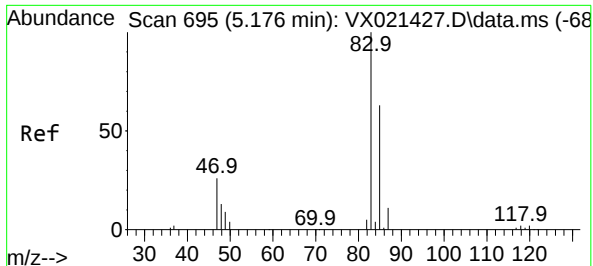
Tgt Ion: 63 Resp: 364
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 2.68 ug/l
RT: 4.564 min Scan# 591
Delta R.T. 0.006 min
Lab File: VX021570.D
Acq: 29 Mar 2021 12:32

Tgt Ion: 96 Resp: 2032
Ion Ratio Lower Upper
96 100
61 138.6 0.0 285.6
98 65.0 0.0 129.6





#30

Chloroform

Concen: 0.50 ug/l

RT: 5.170 min Scan# 694

Delta R.T. -0.006 min

Lab File: VX021570.D

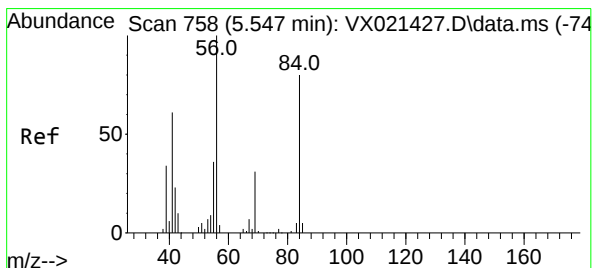
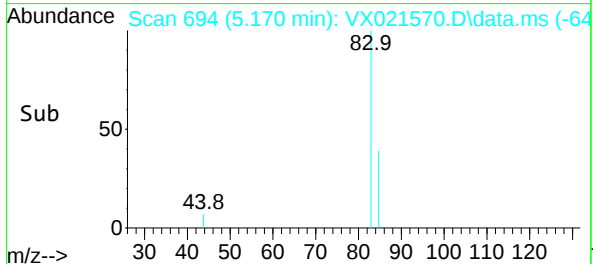
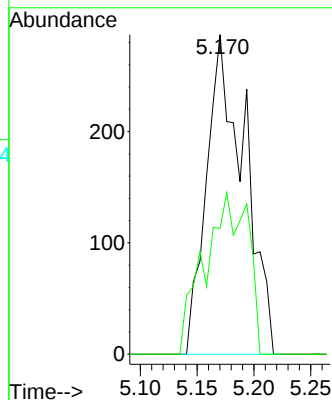
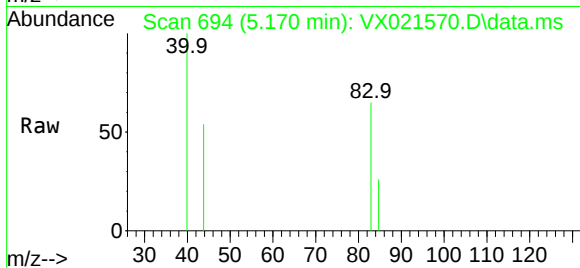
Acq: 29 Mar 2021 12:32

Tgt Ion: 83 Resp: 664

Ion Ratio Lower Upper

83 100

85 39.4 52.0 78.0#



#31

Cyclohexane

Concen: 1.62 ug/l

RT: 5.629 min Scan# 772

Delta R.T. 0.082 min

Lab File: VX021570.D

Acq: 29 Mar 2021 12:32

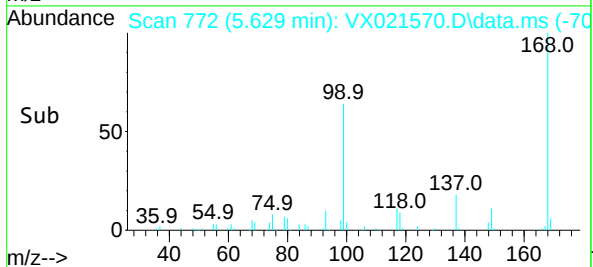
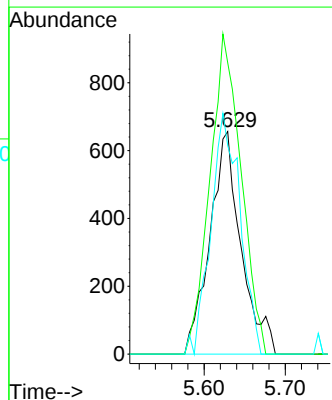
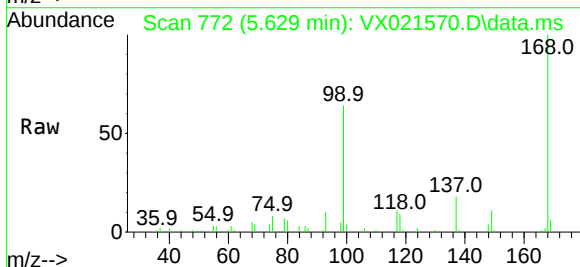
Tgt Ion: 56 Resp: 1752

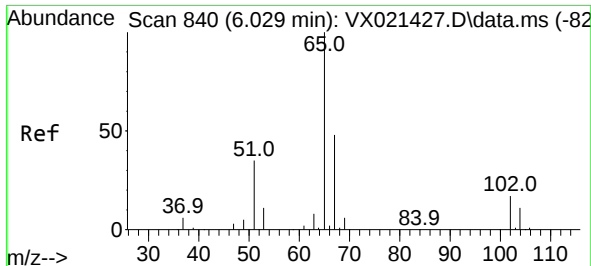
Ion Ratio Lower Upper

56 100

69 130.9 25.3 37.9#

84 93.8 71.4 107.0





#33

1,2-Dichloroethane-d4

Concen: 52.83 ug/l

RT: 6.029 min Scan# 840

Delta R.T. 0.000 min

Lab File: VX021570.D

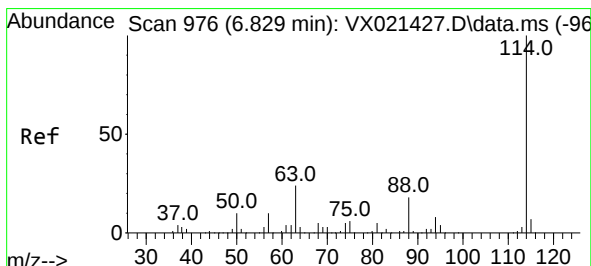
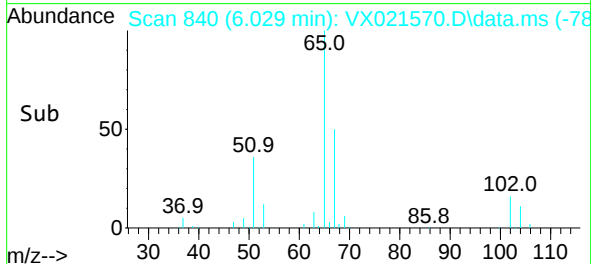
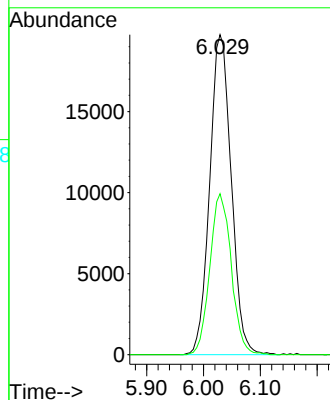
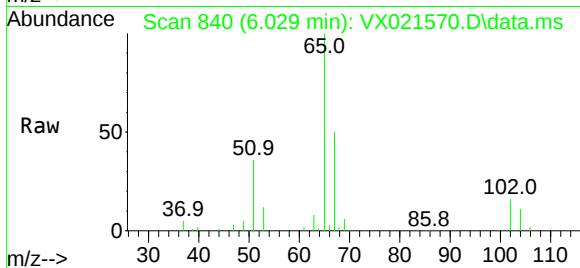
Acq: 29 Mar 2021 12:32

Tgt Ion: 65 Resp: 51931

Ion Ratio Lower Upper

65 100

67 50.1 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. 0.000 min

Lab File: VX021570.D

Acq: 29 Mar 2021 12:32

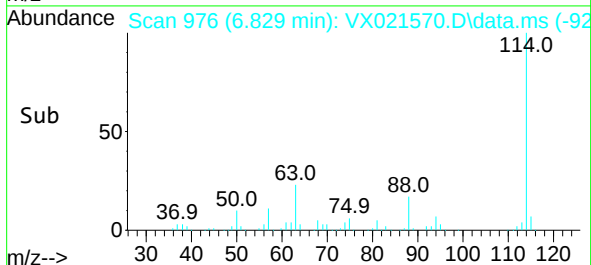
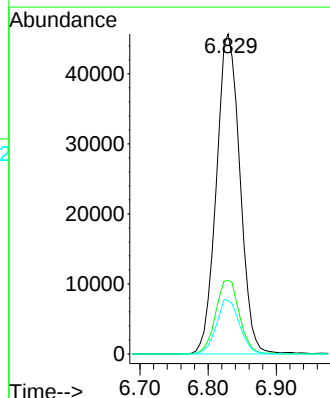
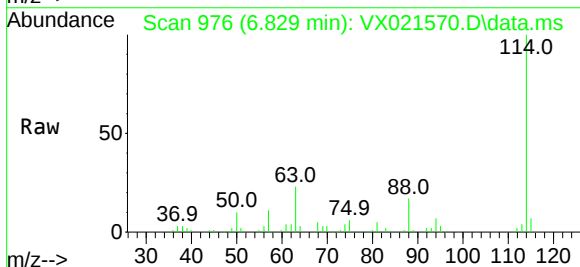
Tgt Ion: 114 Resp: 109827

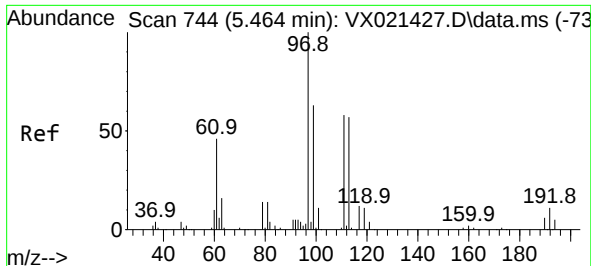
Ion Ratio Lower Upper

114 100

63 23.0 0.0 40.8

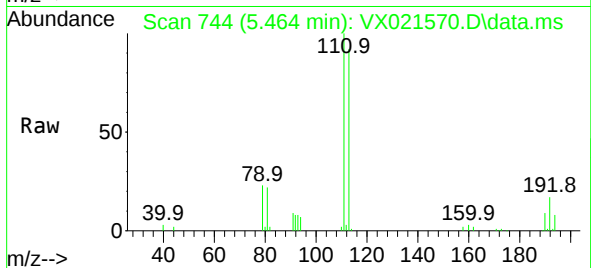
88 16.7 0.0 32.8



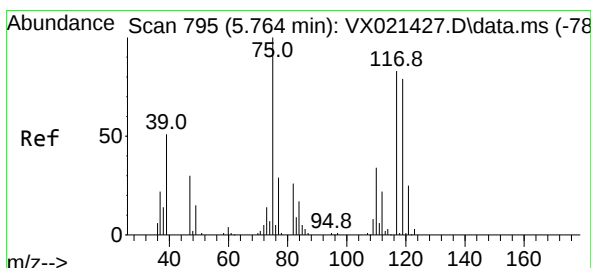
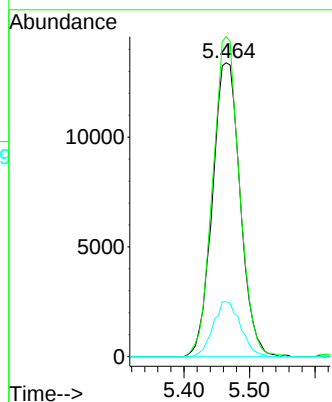
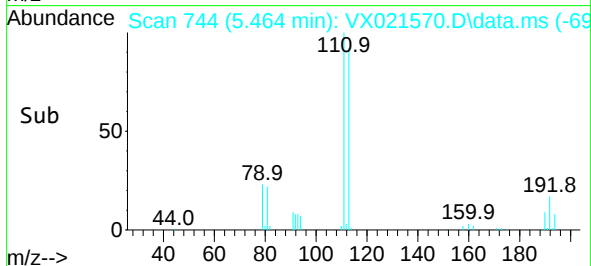


#35
Dibromofluoromethane
Concen: 50.46 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021570.D
Acq: 29 Mar 2021 12:32

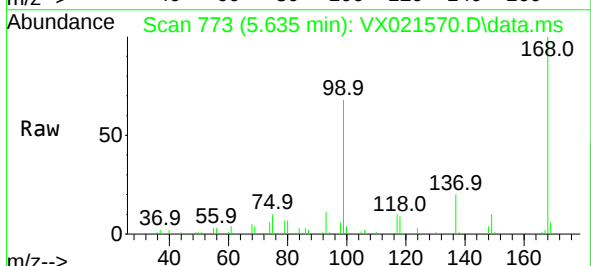
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20210319



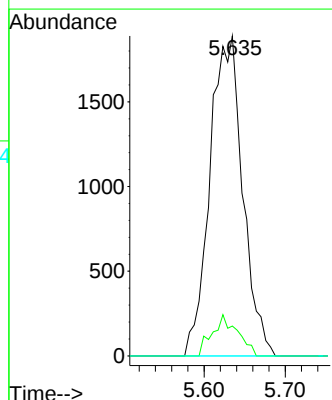
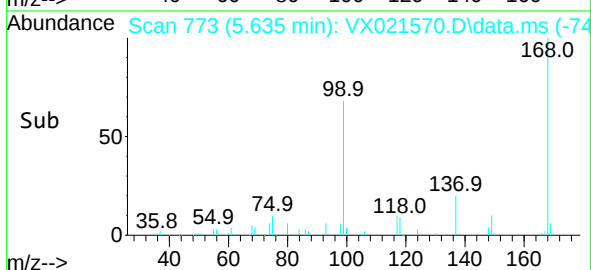
Tgt Ion:113 Resp: 39363
Ion Ratio Lower Upper
113 100
111 105.1 81.9 122.9
192 18.5 16.7 25.1

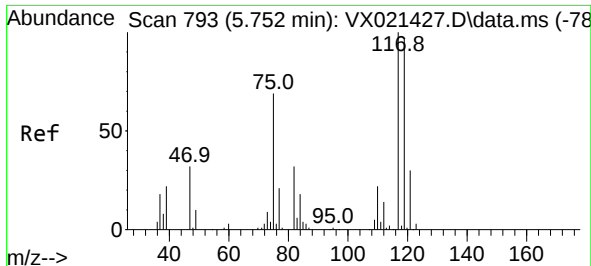


#36
1,1-Dichloropropene
Concen: 4.92 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.129 min
Lab File: VX021570.D
Acq: 29 Mar 2021 12:32



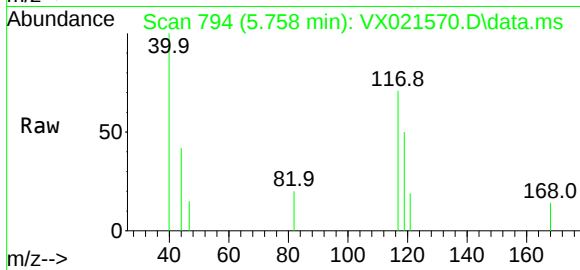
Tgt Ion: 75 Resp: 5296
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.4#
77 0.0 25.3 37.9#



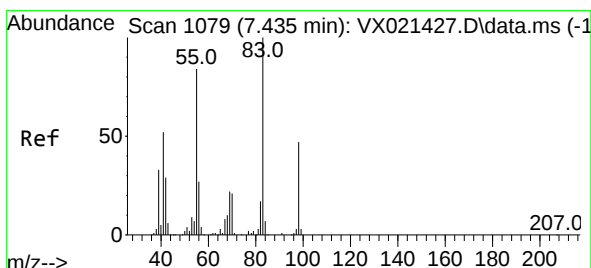
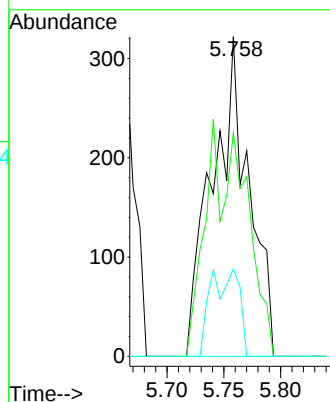
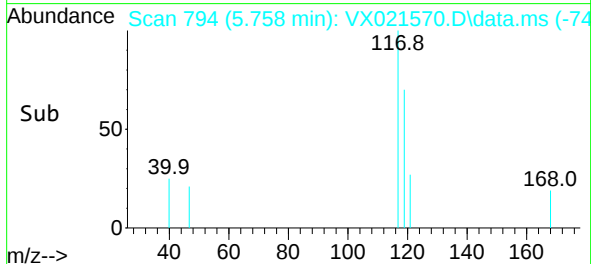


#38
Carbon Tetrachloride
Concen: 0.62 ug/l
RT: 5.758 min Scan# 794
Delta R.T. 0.006 min
Lab File: VX021570.D
Acq: 29 Mar 2021 12:32

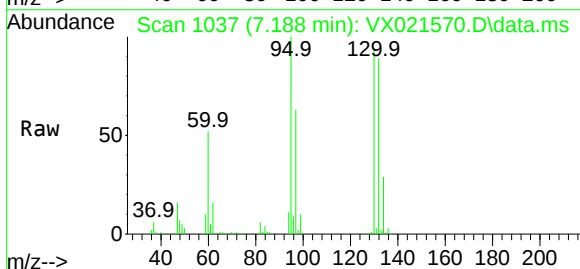
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20210319



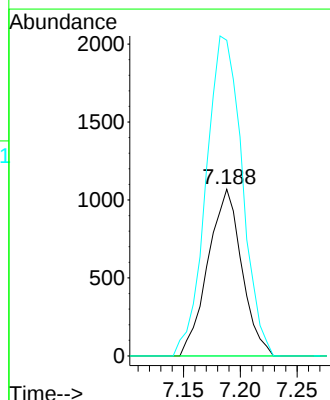
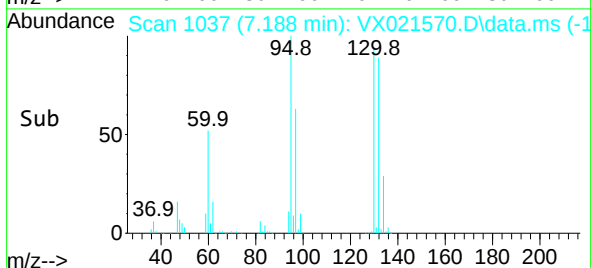
Tgt Ion:117 Resp: 714
Ion Ratio Lower Upper
117 100
119 69.9 76.2 114.2#
121 27.3 24.8 37.2

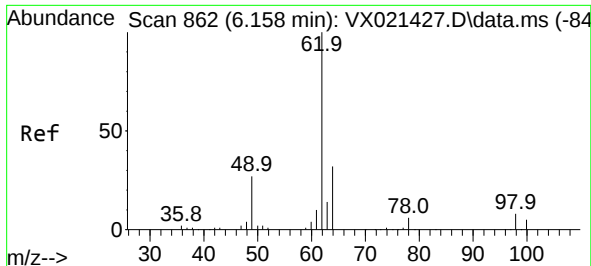


#39
Methylcyclohexane
Concen: 1.86 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.247 min
Lab File: VX021570.D
Acq: 29 Mar 2021 12:32



Tgt Ion: 83 Resp: 2215
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 181.9 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.29 ug/l

RT: 6.170 min Scan# 864

Delta R.T. 0.012 min

Lab File: VX021570.D

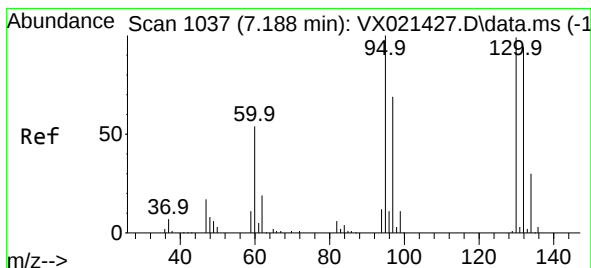
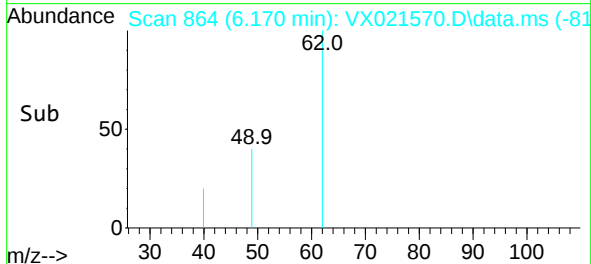
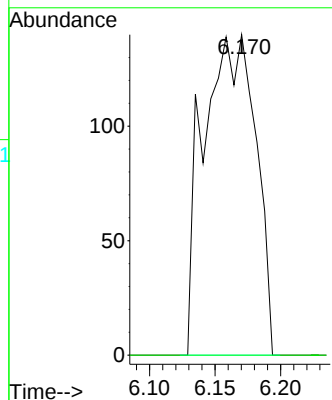
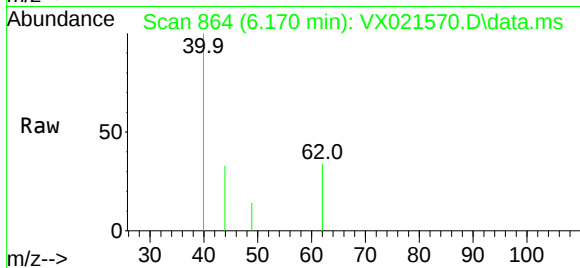
Acq: 29 Mar 2021 12:32

Tgt Ion: 62 Resp: 388

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 205.86 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VX021570.D

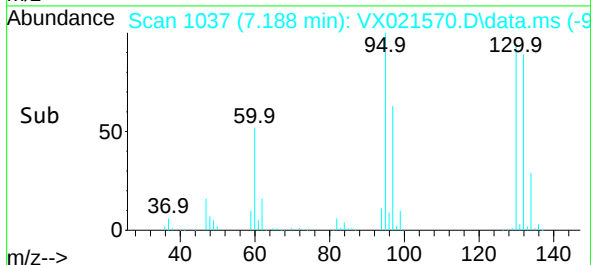
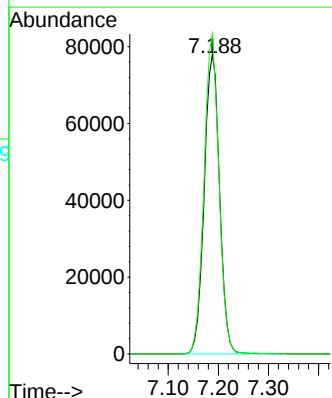
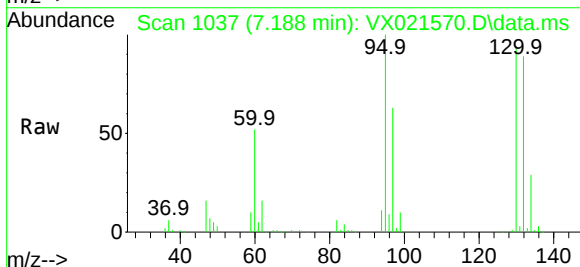
Acq: 29 Mar 2021 12:32

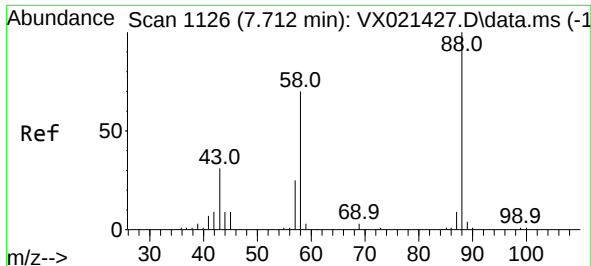
Tgt Ion:130 Resp: 166003

Ion Ratio Lower Upper

130 100

95 106.9 0.0 198.0





#49

1,4-Dioxane

Concen: 8.71 ug/l

RT: 7.717 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VX021570.D

Acq: 29 Mar 2021 12:32

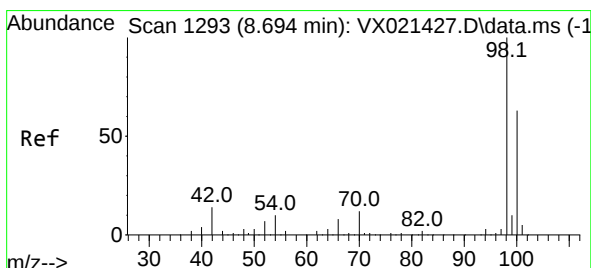
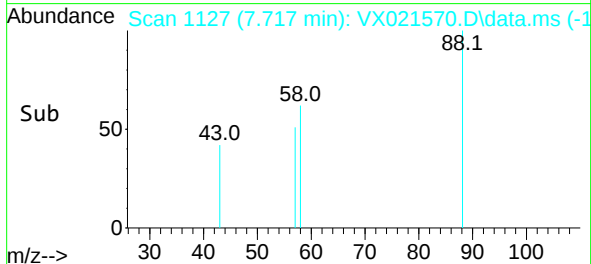
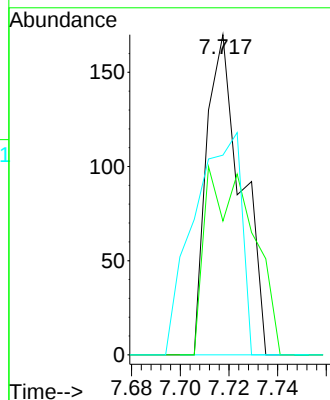
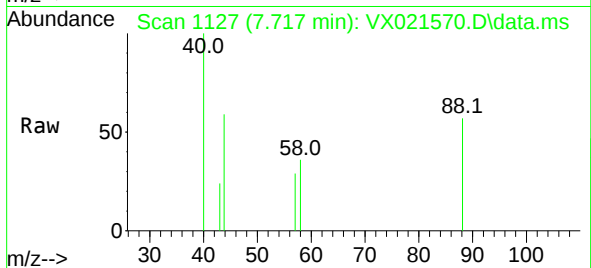
Tgt Ion: 88 Resp: 168

Ion Ratio Lower Upper

88 100

43 80.4 23.2 34.8#

58 95.2 55.0 82.4#



#50

Toluene-d8

Concen: 50.53 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. 0.000 min

Lab File: VX021570.D

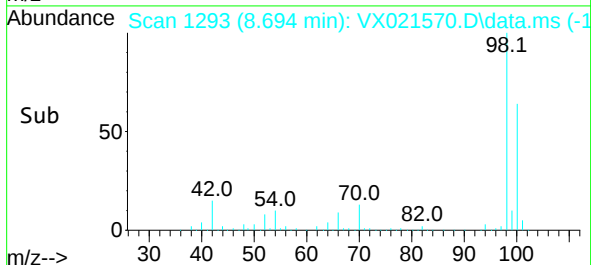
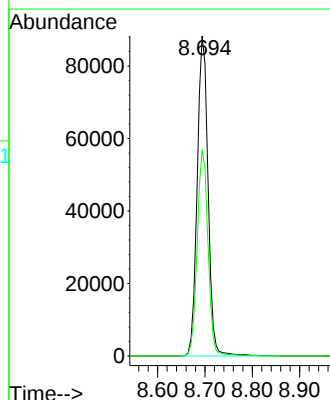
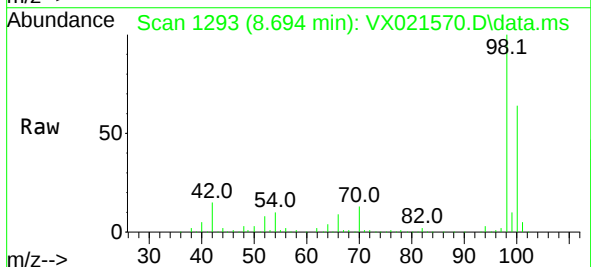
Acq: 29 Mar 2021 12:32

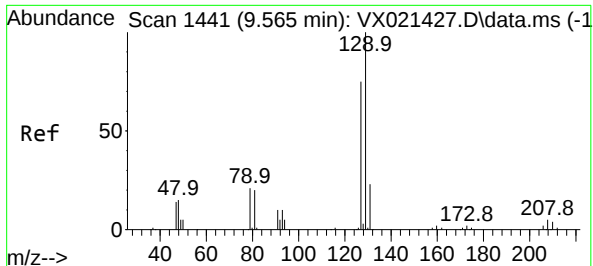
Tgt Ion: 98 Resp: 140469

Ion Ratio Lower Upper

98 100

100 64.2 51.9 77.9

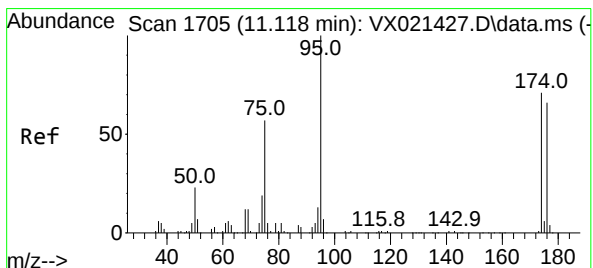
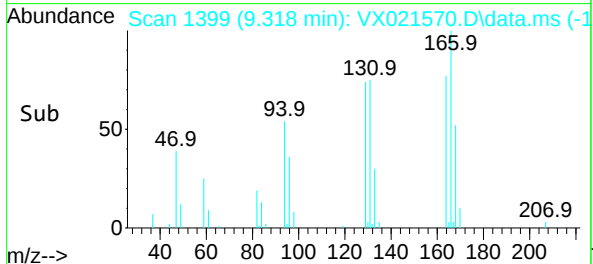
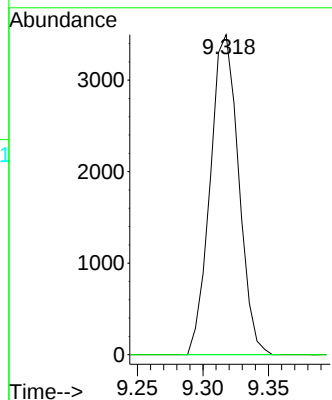
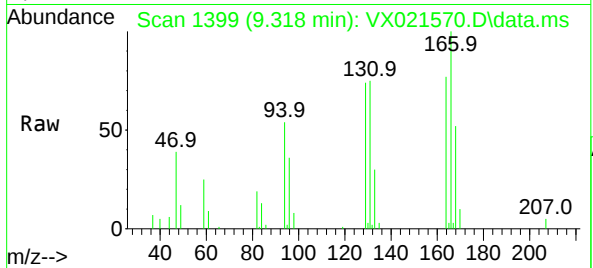




#60
Dibromochloromethane
Concen: 5.91 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021570.D
Acq: 29 Mar 2021 12:32

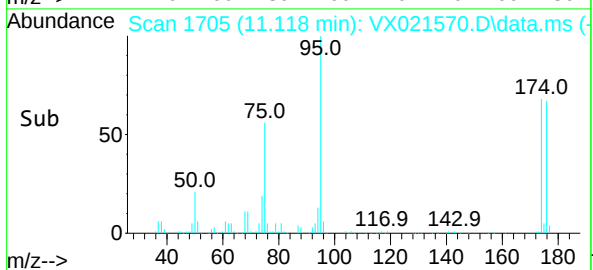
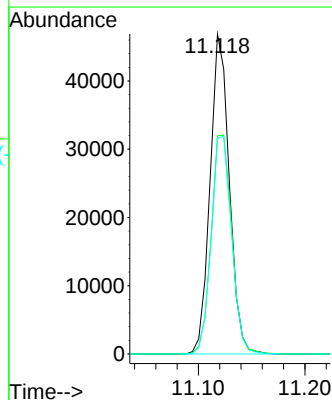
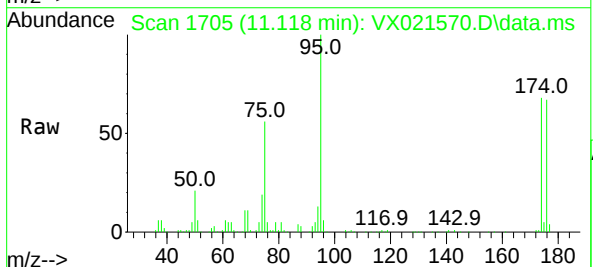
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20210319

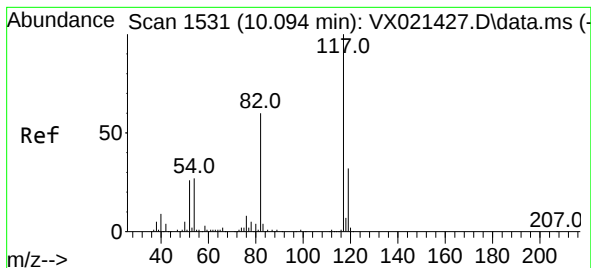
Tgt Ion:129 Resp: 5277
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 54.26 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021570.D
Acq: 29 Mar 2021 12:32

Tgt Ion: 95 Resp: 58645
Ion Ratio Lower Upper
95 100
174 73.7 0.0 154.6
176 71.8 0.0 155.8

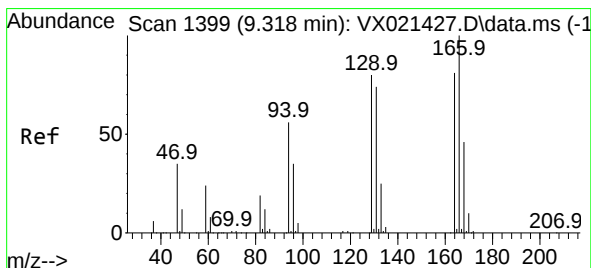
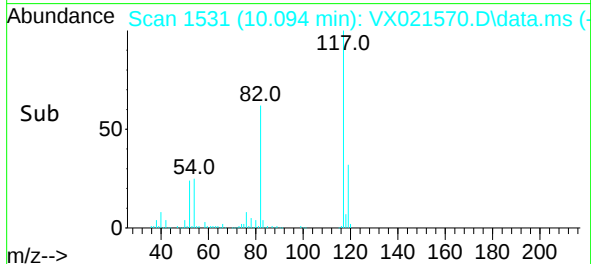
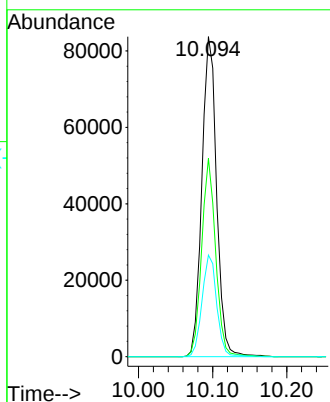
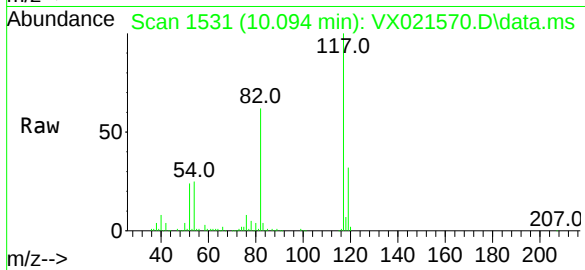




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021570.D
Acq: 29 Mar 2021 12:32

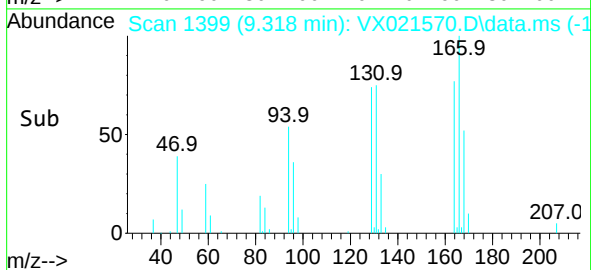
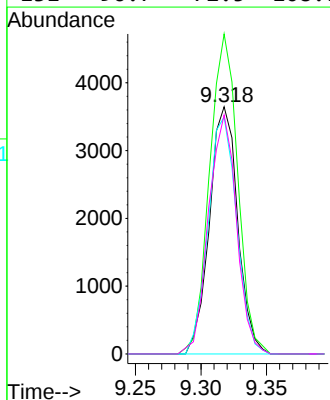
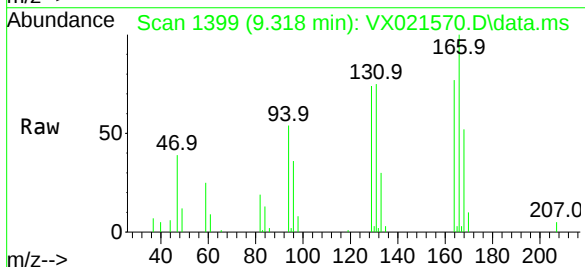
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20210319

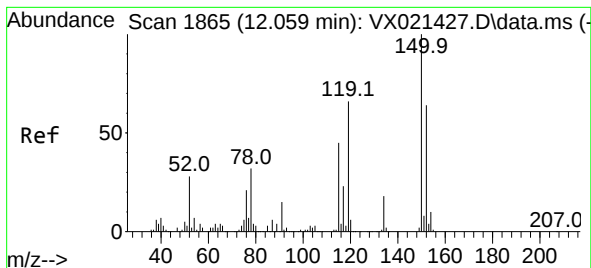
Tgt Ion:	117	Resp:	115653
Ion	Ratio	Lower	Upper
117	100		
82	62.0	47.4	71.2
119	31.7	26.6	39.8



#64
Tetrachloroethene
Concen: 7.03 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021570.D
Acq: 29 Mar 2021 12:32

Tgt Ion:	164	Resp:	5444
Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.4	155.2
129	95.9	70.8	106.2
131	96.7	72.5	108.7

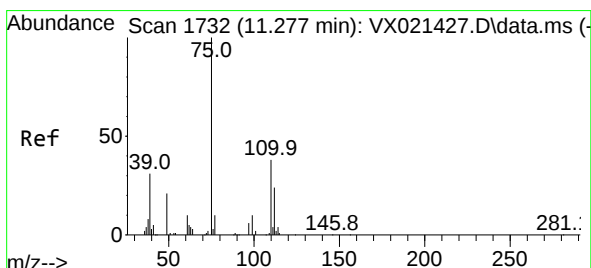
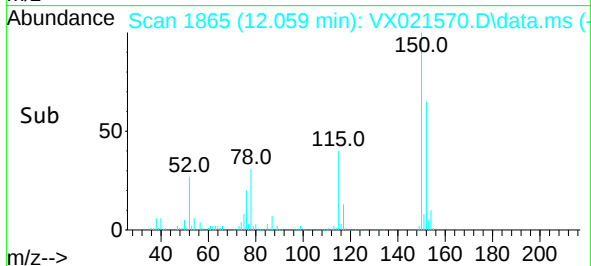
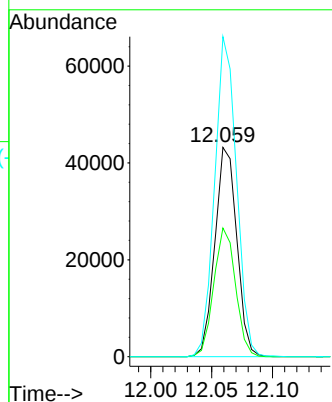
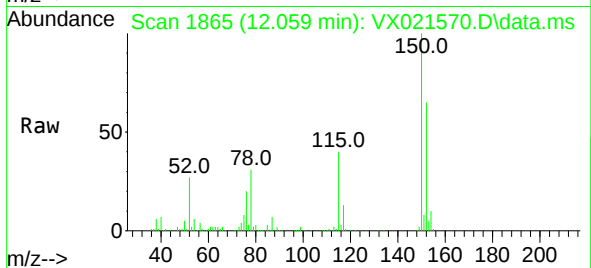




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. 0.000 min
 Lab File: VX021570.D
 Acq: 29 Mar 2021 12:32

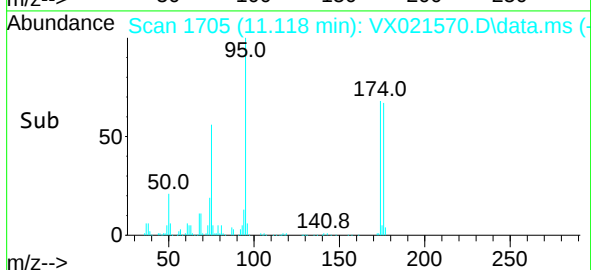
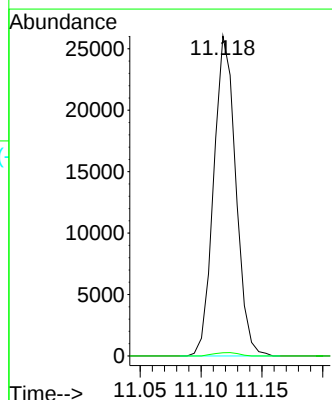
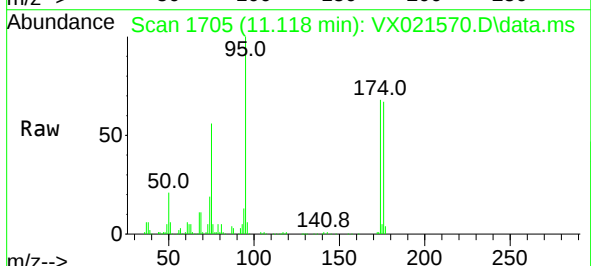
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20210319

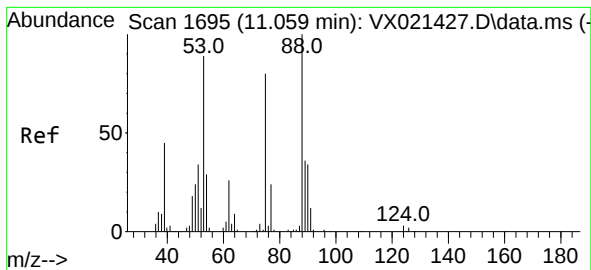
Tgt Ion:152 Resp: 54164
 Ion Ratio Lower Upper
 152 100
 115 60.9 41.1 123.3
 150 152.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.05 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021570.D
 Acq: 29 Mar 2021 12:32

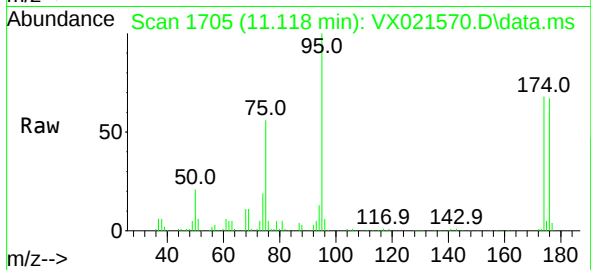
Tgt Ion: 75 Resp: 32852
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.36 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021570.D
 Acq: 29 Mar 2021 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20210319



Tgt Ion: 75 Resp: 32852
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

