

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033021\
 Data File : VX021664.D
 Acq On : 31 Mar 2021 05:21
 Operator : JC/MD
 Sample : M1842-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20210323

Quant Time: Mar 31 06:14:18 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	5.635	168	58812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	107765	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	115661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	49551	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	51789	52.92	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.84%
35) Dibromofluoromethane	5.464	113	39725	51.90	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.80%
50) Toluene-d8	8.694	98	137273	50.32	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.64%
62) 4-Bromofluorobenzene	11.118	95	55663	52.49	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.98%

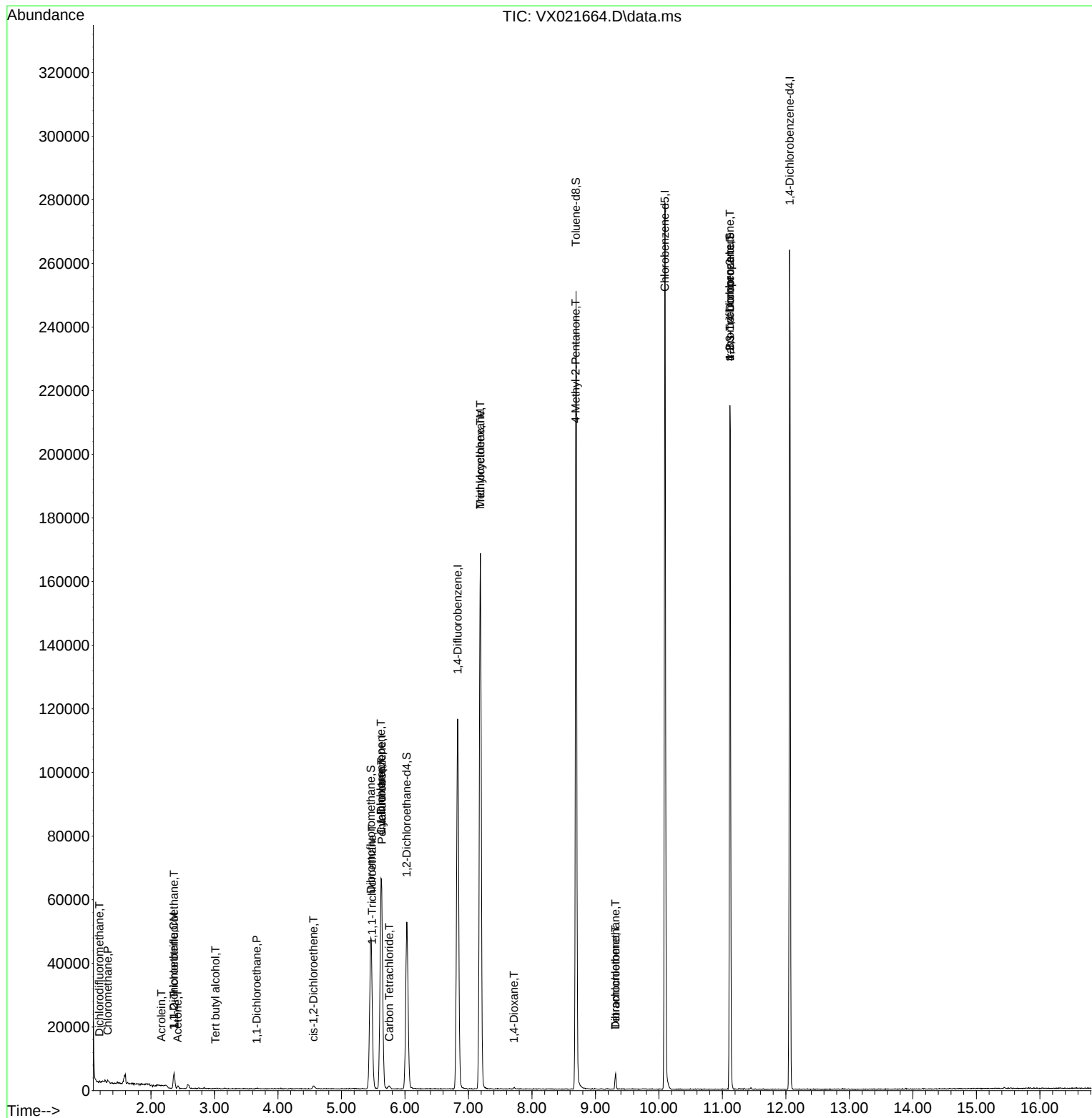
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	198	0.31	ug/l	87
3) Chloromethane	1.317	50	1472	2.02	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.364	101	1635	2.70	ug/l	91
11) Tert butyl alcohol	3.017	59	46	0.28	ug/l #	73
12) 1,1-Dichloroethene	2.358	96	312	0.53	ug/l #	84
13) Acrolein	2.164	56	18	4.51	ug/l #	14
16) Acetone	2.417	43	674	1.82	ug/l #	72
24) 1,1-Dichloroethane	3.664	63	277	0.22	ug/l #	81
27) cis-1,2-Dichloroethene	4.558	96	510	0.67	ug/l	81
31) Cyclohexane	5.629	56	1653	1.54	ug/l #	44
32) 1,1,1-Trichloroethane	5.482	97	347	0.29	ug/l #	48
36) 1,1-Dichloropropene	5.623	75	5420	5.13	ug/l #	48
38) Carbon Tetrachloride	5.752	117	781	0.69	ug/l	90
39) Methylcyclohexane	7.188	83	884	0.76	ug/l #	1
44) Trichloroethene	7.188	130	59275	74.91	ug/l	93
49) 1,4-Dioxane	7.717	88	246	12.99	ug/l #	68
51) 4-Methyl-2-Pentanone	8.688	43	789	0.65	ug/l #	1
60) Dibromochloromethane	9.318	129	728	0.83	ug/l #	11
64) Tetrachloroethene	9.318	164	760	0.98	ug/l	93
76) 1,2,3-Trichloropropane	11.118	75	31091	26.95	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	31091	82.10	ug/l #	12

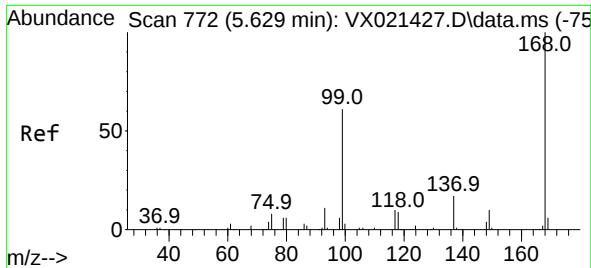
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

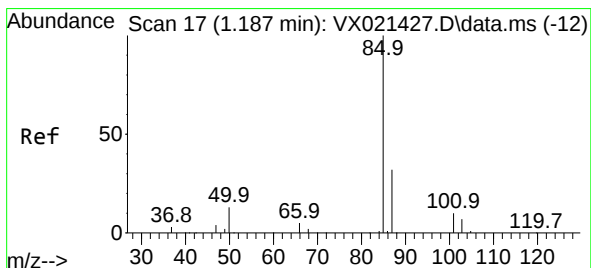
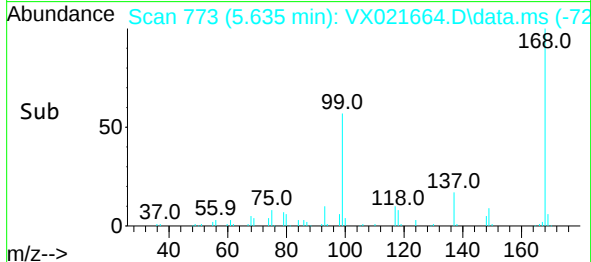
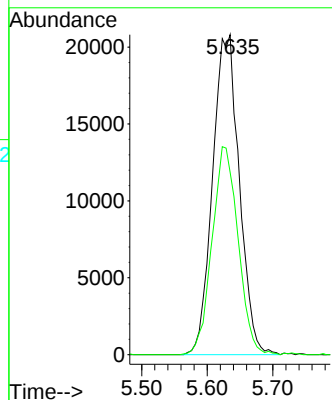
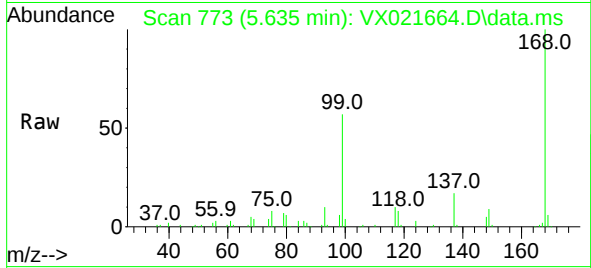




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.006 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21

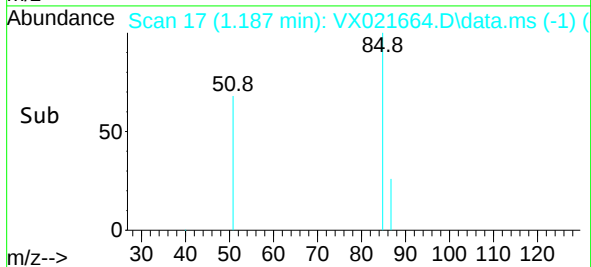
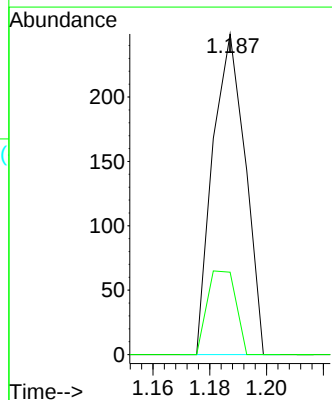
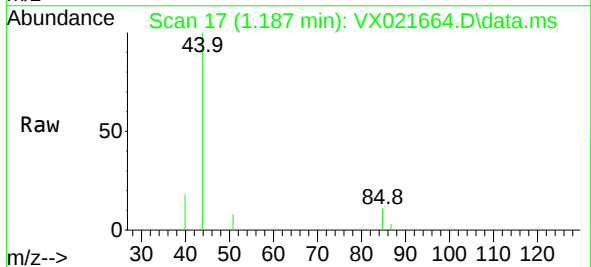
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MSVOA_X
ClientSampleId :
RE109D3-20210323

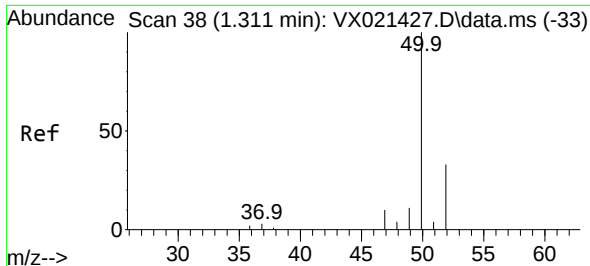
Tgt Ion:168 Resp: 58812
Ion Ratio Lower Upper
168 100
99 57.0 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.31 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21

Tgt Ion: 85 Resp: 198
Ion Ratio Lower Upper
85 100
87 25.7 16.4 49.2

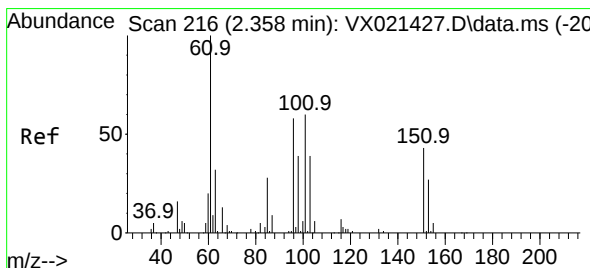
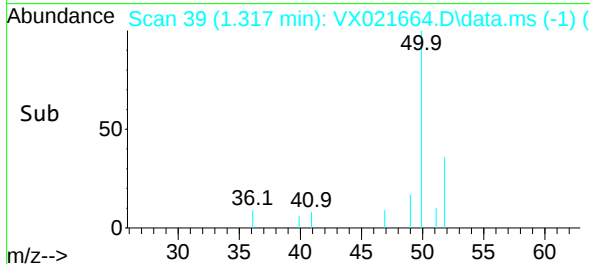
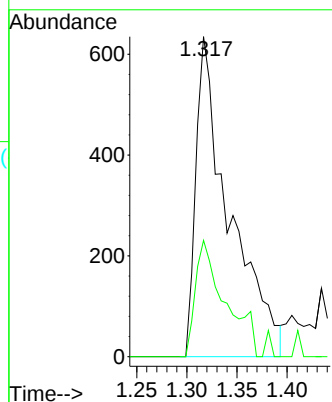
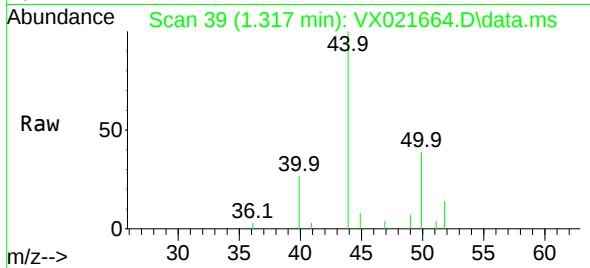




#3
Chloromethane
Concen: 2.02 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21

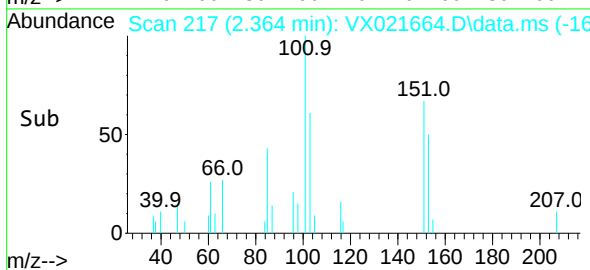
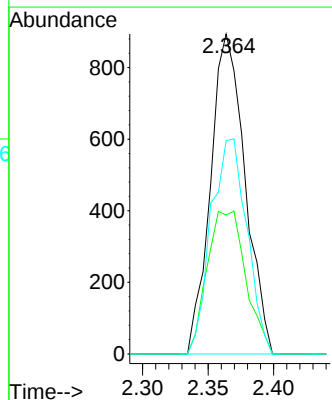
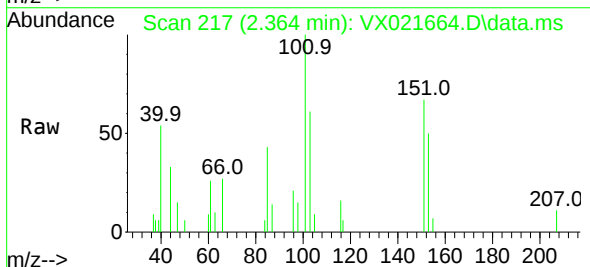
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20210323

Tgt Ion: 50 Resp: 1472
Ion Ratio Lower Upper
50 100
52 36.4 26.4 39.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.70 ug/l
RT: 2.364 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21

Tgt Ion: 101 Resp: 1635
Ion Ratio Lower Upper
101 100
85 49.9 34.9 52.3
151 69.9 61.4 92.2



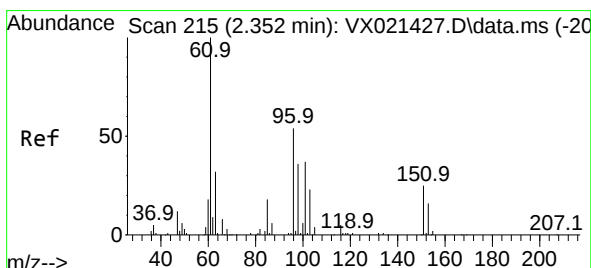
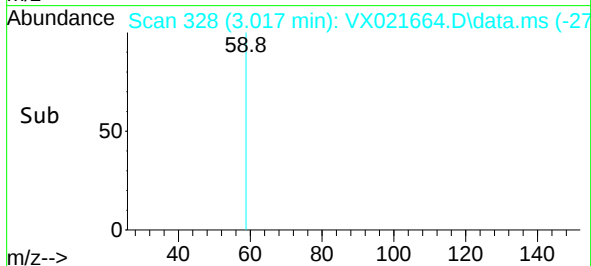
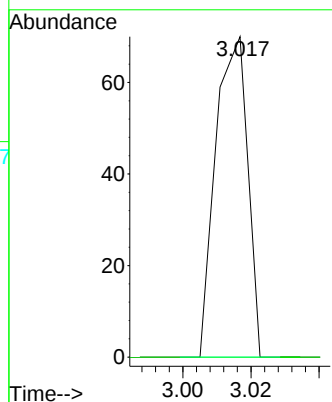
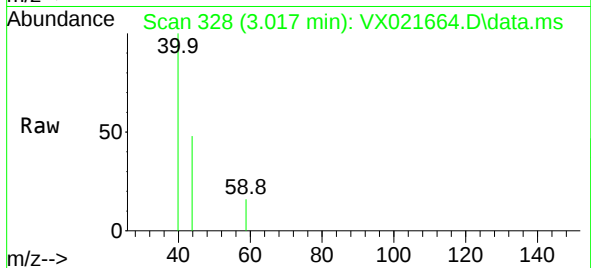


#11

Tert butyl alcohol
Concen: 0.28 ug/l
RT: 3.017 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20210323

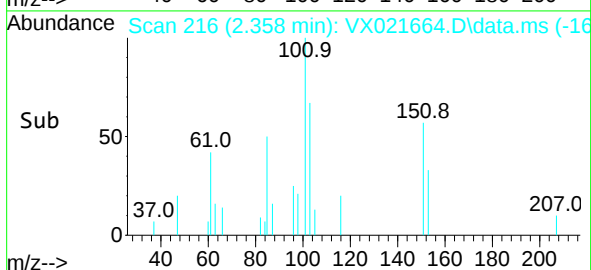
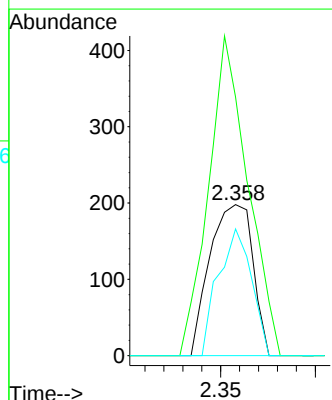
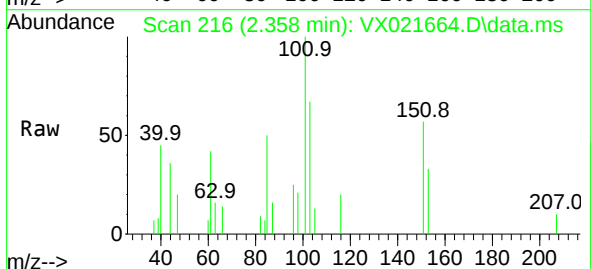
Tgt Ion: 59 Resp: 46
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

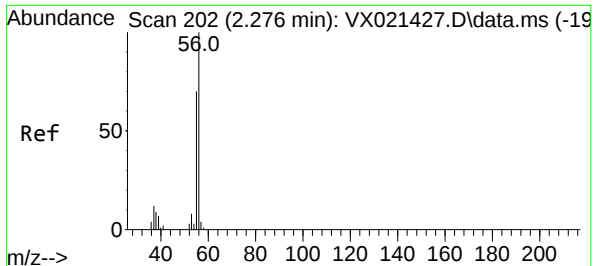


#12

1,1-Dichloroethene
Concen: 0.53 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21

Tgt Ion: 96 Resp: 312
Ion Ratio Lower Upper
96 100
61 171.2 124.6 187.0
98 83.8 50.6 76.0#

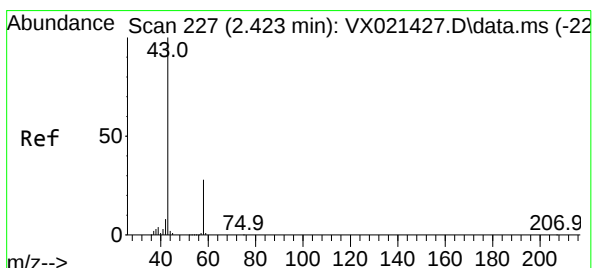
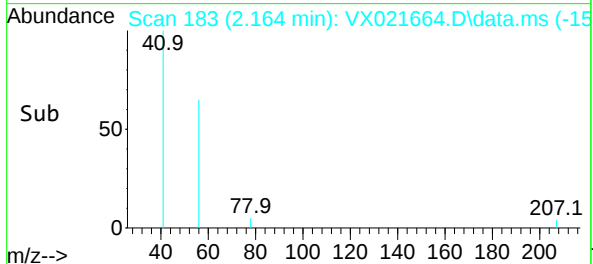
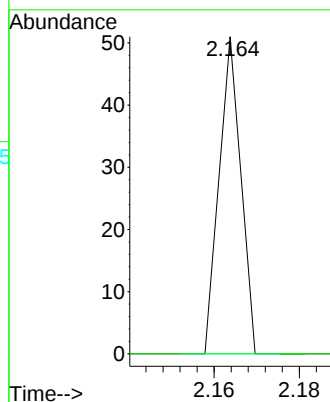
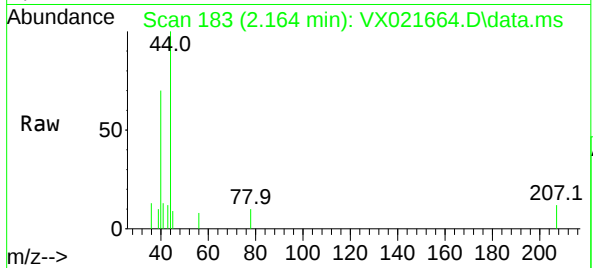




#13
Acrolein
Concen: 4.51 ug/l
RT: 2.164 min Scan# 183
Delta R.T. -0.112 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21

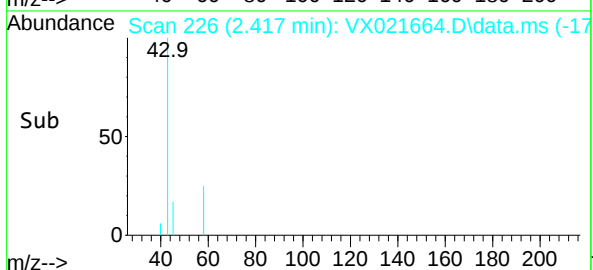
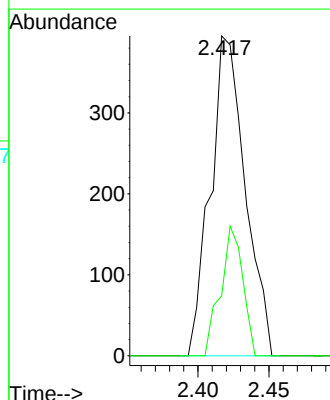
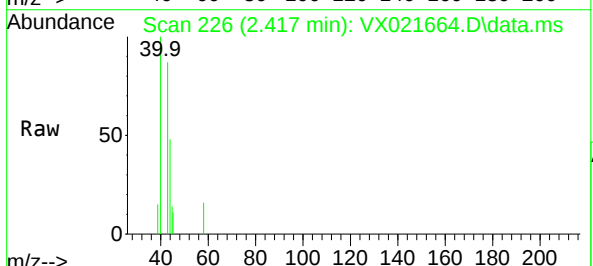
Instrument :
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ClientSampleId :
RE109D3-20210323

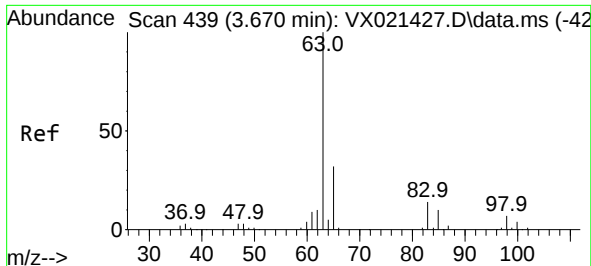
Tgt Ion: 56 Resp: 18
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 1.82 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21

Tgt Ion: 43 Resp: 674
Ion Ratio Lower Upper
43 100
58 18.7 27.8 41.8#

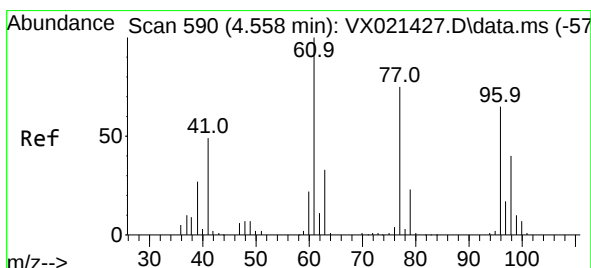
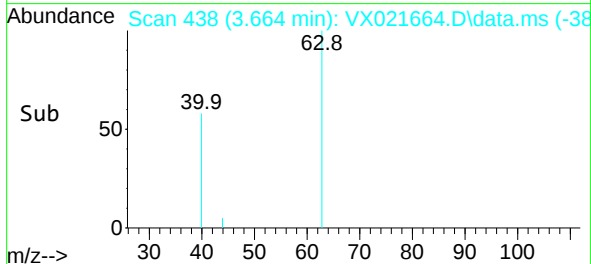
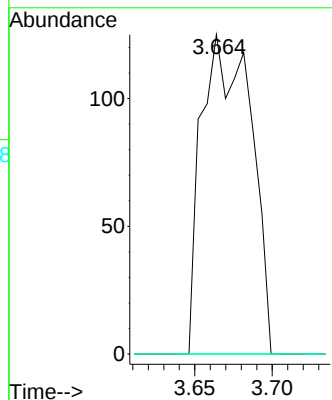
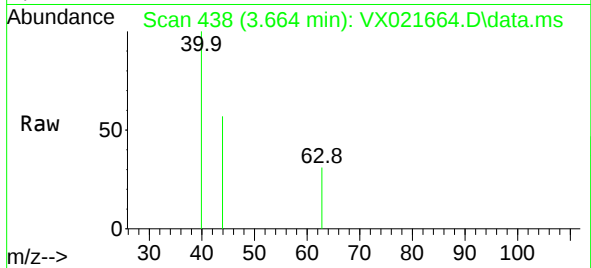




#24
1,1-Dichloroethane
Concen: 0.22 ug/l
RT: 3.664 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21

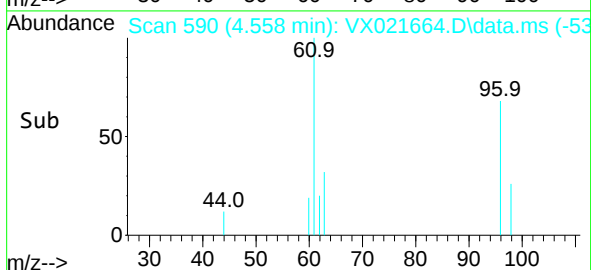
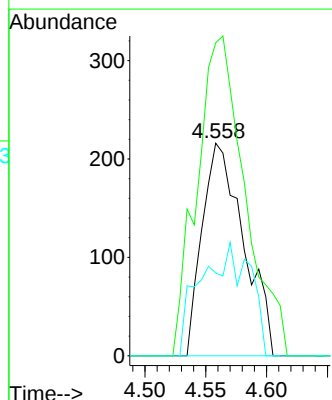
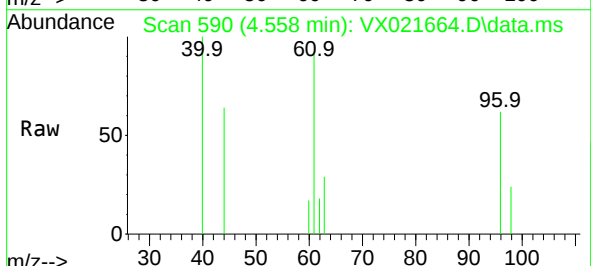
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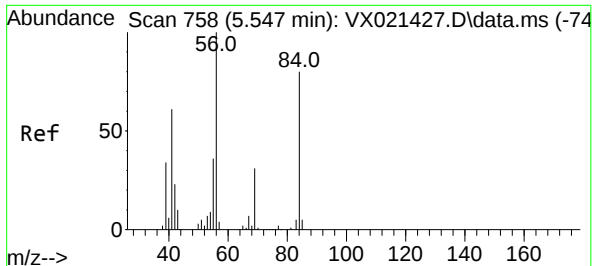
Tgt Ion: 63 Resp: 277
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 0.67 ug/l
RT: 4.558 min Scan# 590
Delta R.T. 0.000 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21

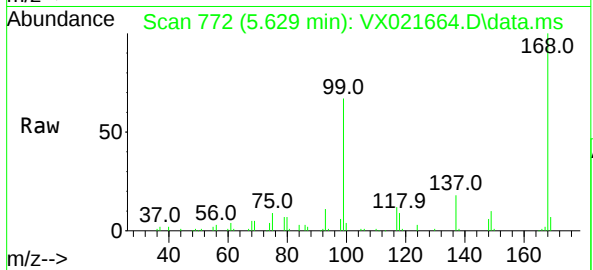
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Ion Ratio Lower Upper
96 100
61 175.1 0.0 285.6
98 62.9 0.0 129.6



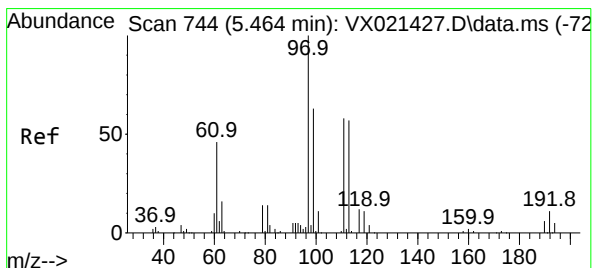
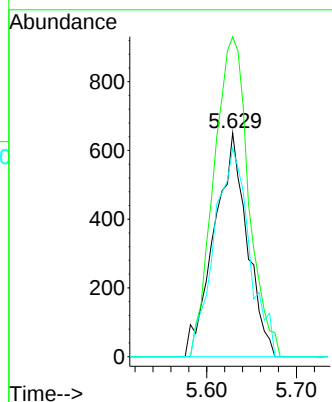
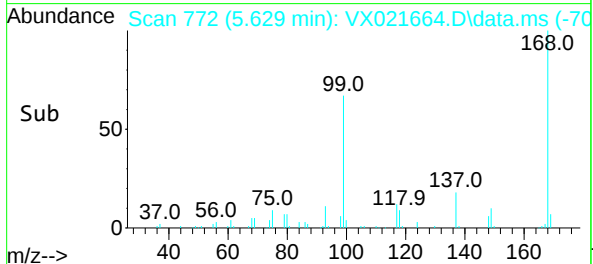


#31
Cyclohexane
Concen: 1.54 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21

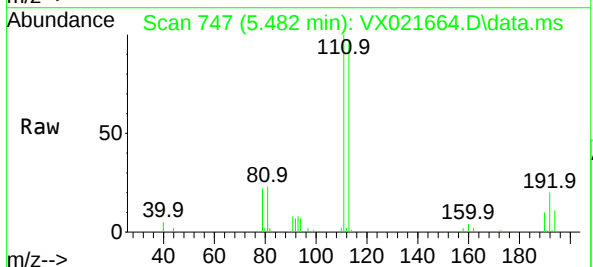
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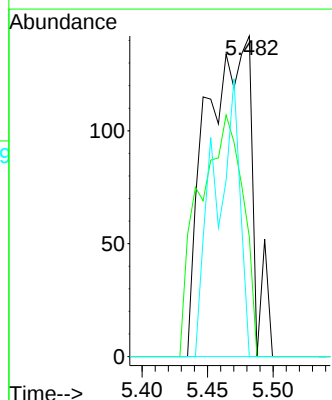
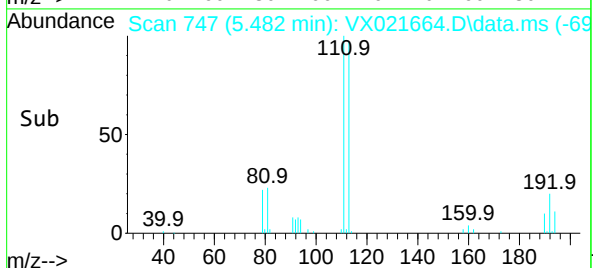
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Ion Ratio Lower Upper
56 100
69 143.0 25.3 37.9#
84 93.1 71.4 107.0

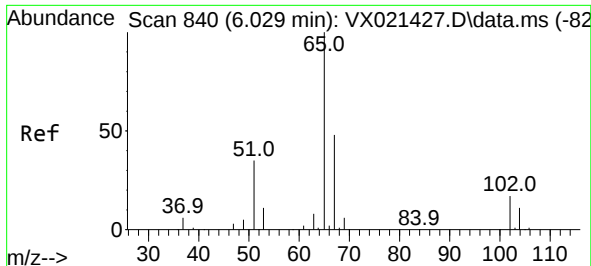


#32
1,1,1-Trichloroethane
Concen: 0.29 ug/l
RT: 5.482 min Scan# 747
Delta R.T. 0.018 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21



Tgt Ion: 97 Resp: 347
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 47.3 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 52.92 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

Lab File: VX021664.D

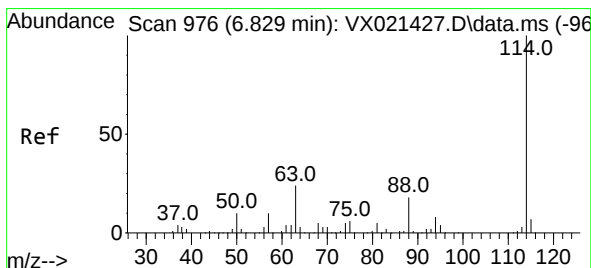
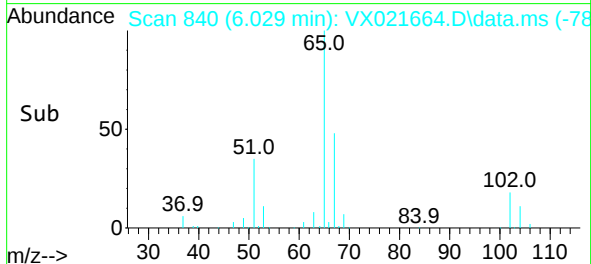
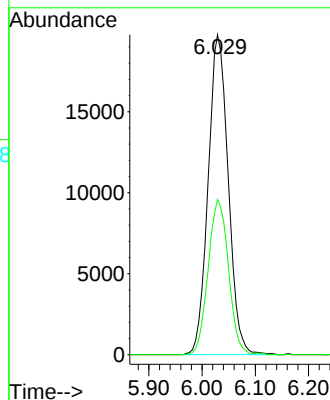
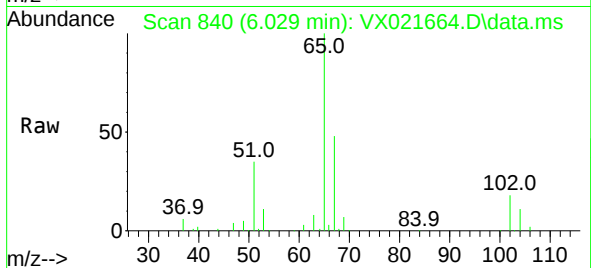
Acq: 31 Mar 2021 05:21

Tgt Ion: 65 Resp: 51789

Ion Ratio Lower Upper

65 100

67 48.9 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: VX021664.D

Acq: 31 Mar 2021 05:21

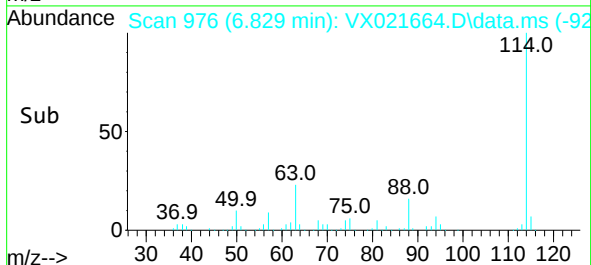
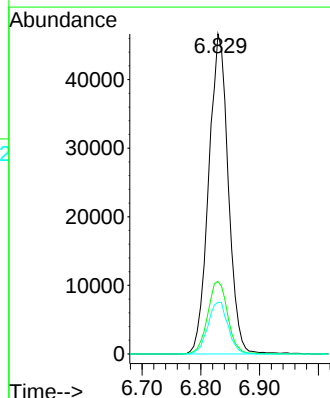
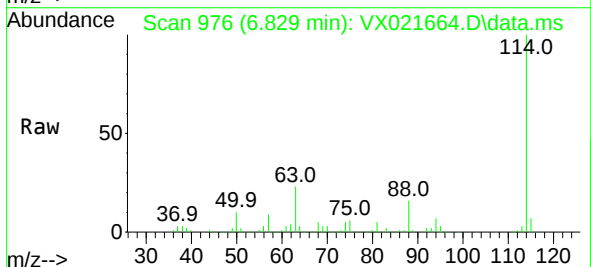
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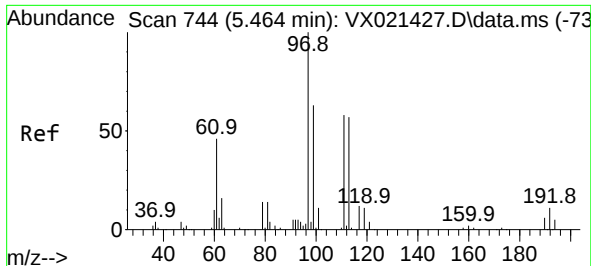
Ion Ratio Lower Upper

114 100

63 22.6 0.0 40.8

88 16.1 0.0 32.8

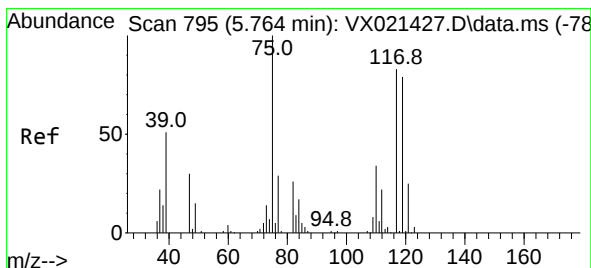
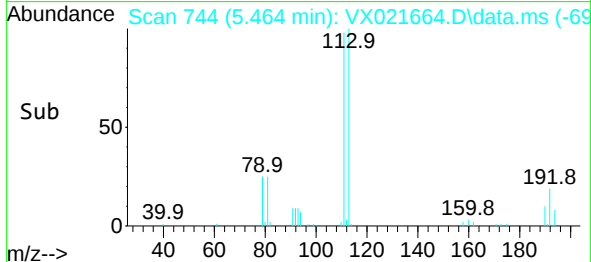
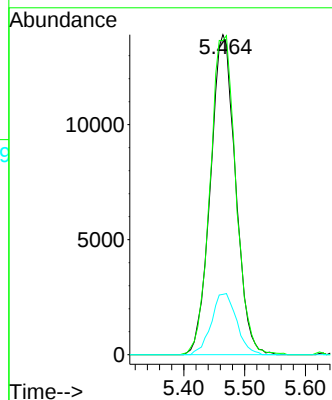
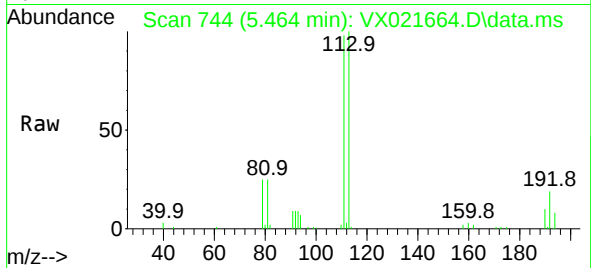




#35
Dibromofluoromethane
Concen: 51.90 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21

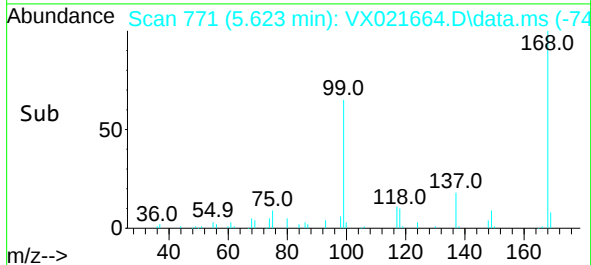
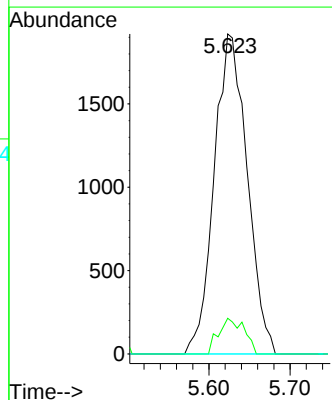
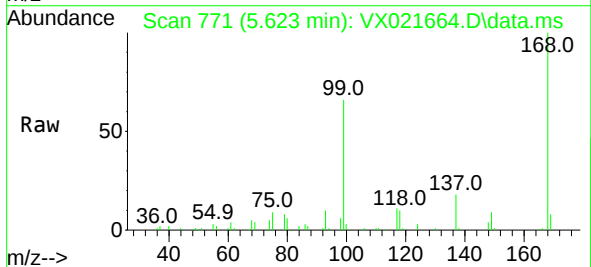
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20210323

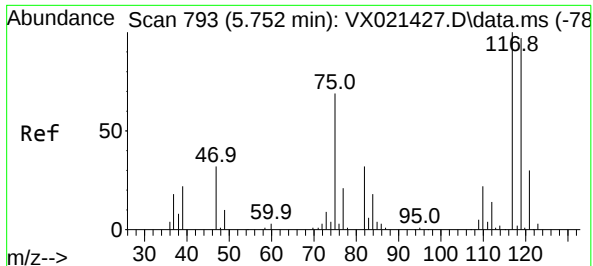
Tgt Ion:113 Resp: 39725
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 19.3 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.13 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.141 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21

Tgt Ion: 75 Resp: 5420
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.0 25.3 37.9#

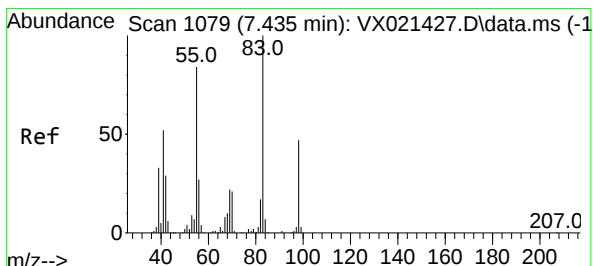
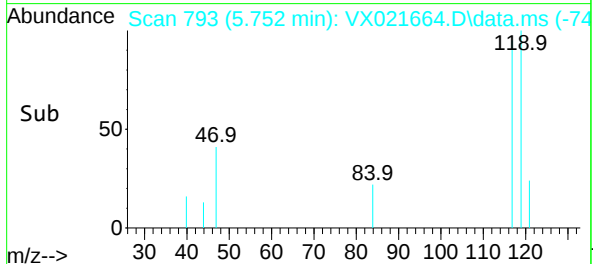
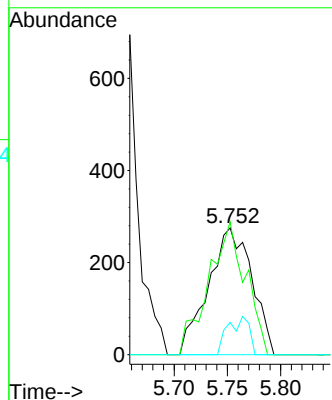
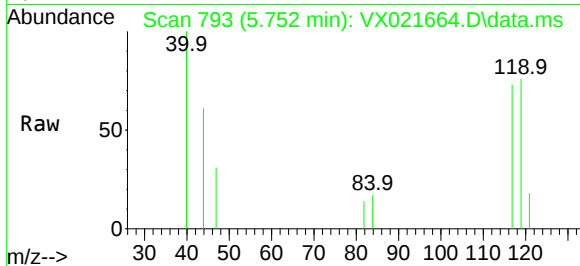




#38
Carbon Tetrachloride
Concen: 0.69 ug/l
RT: 5.752 min Scan# 793
Delta R.T. 0.000 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21

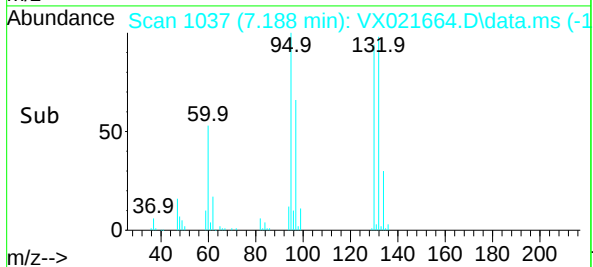
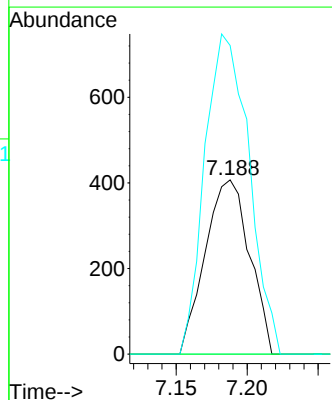
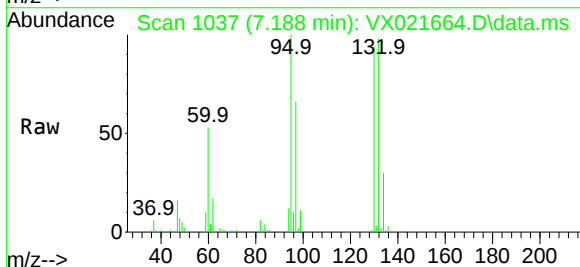
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20210323

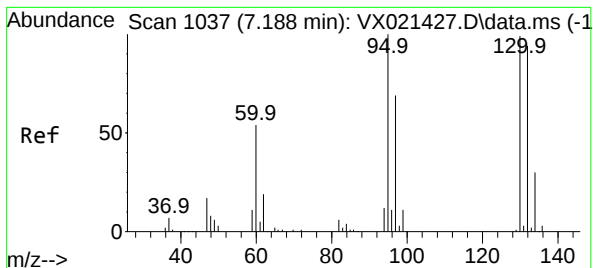
Tgt Ion:117 Resp: 781
Ion Ratio Lower Upper
117 100
119 104.7 76.2 114.2
121 25.5 24.8 37.2



#39
Methylcyclohexane
Concen: 0.76 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.247 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21

Tgt Ion: 83 Resp: 884
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 177.1 38.1 57.1#





#44

Trichloroethene

Concen: 74.91 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. -0.000 min

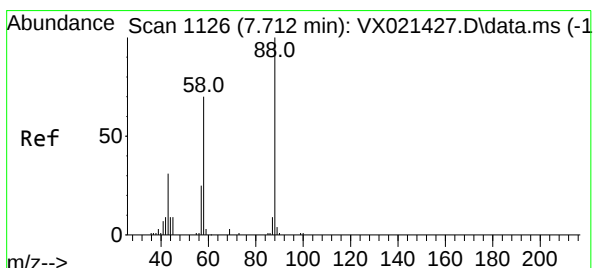
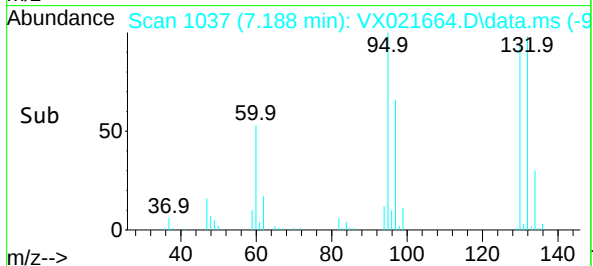
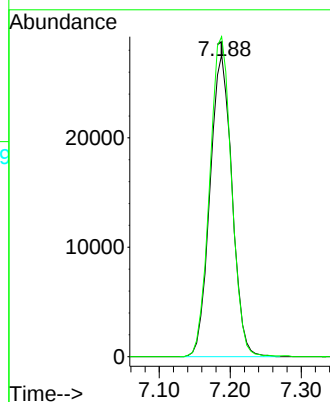
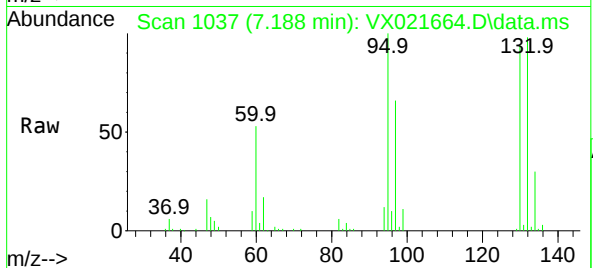
Lab File: VX021664.D

Acq: 31 Mar 2021 05:21

Tgt Ion:130 Resp: 59275

Ion Ratio Lower Upper

130	100		
95	106.0	0.0	198.0



#49

1,4-Dioxane

Concen: 12.99 ug/l

RT: 7.717 min Scan# 1127

Delta R.T. 0.005 min

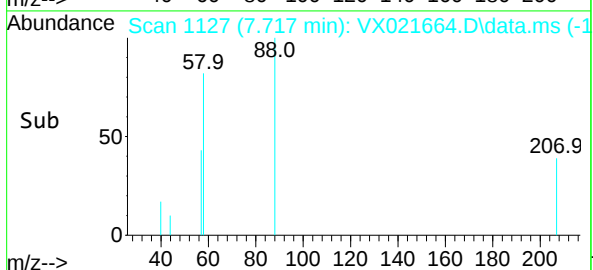
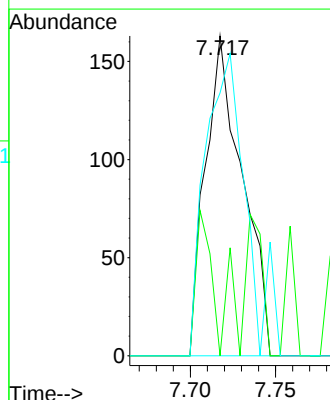
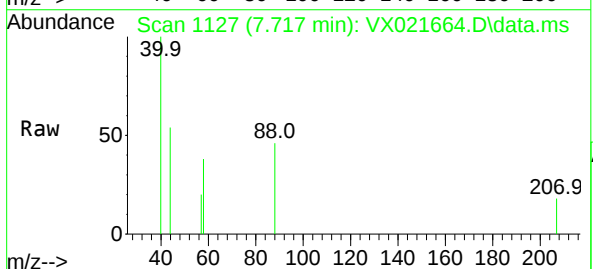
Lab File: VX021664.D

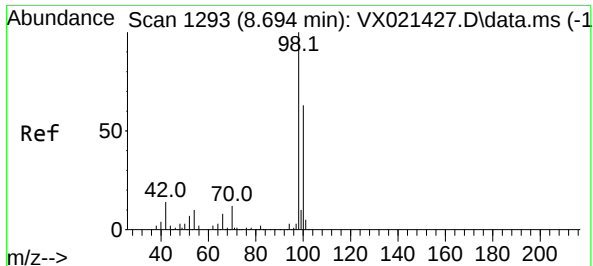
Acq: 31 Mar 2021 05:21

Tgt Ion: 88 Resp: 246

Ion Ratio Lower Upper

88	100		
43	27.2	23.2	34.8
58	104.1	55.0	82.4

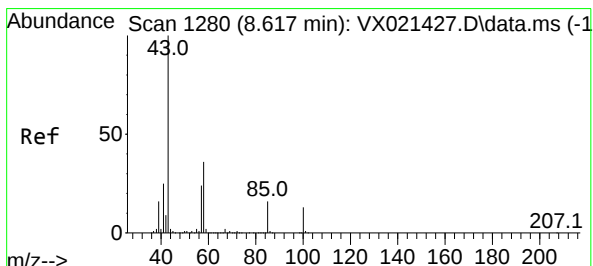
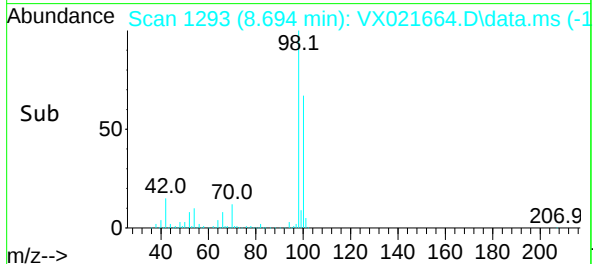
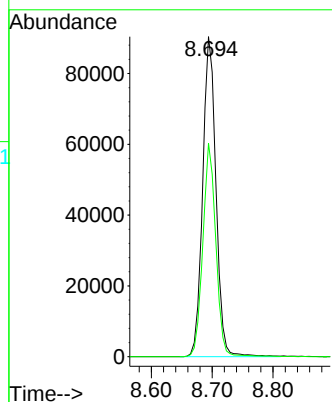
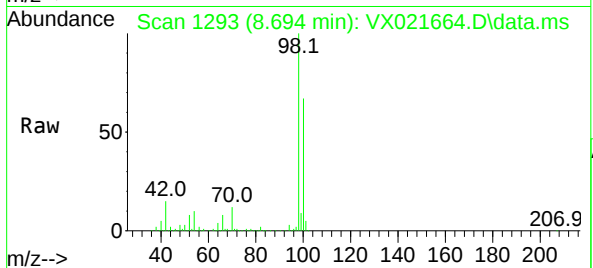




#50
Toluene-d8
Concen: 50.32 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21

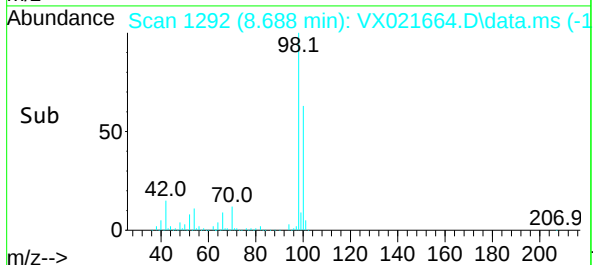
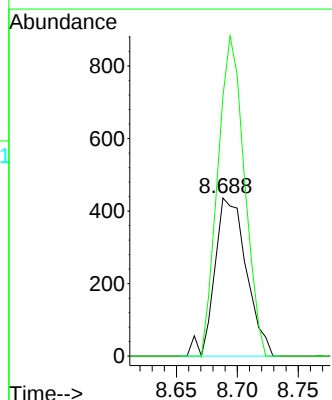
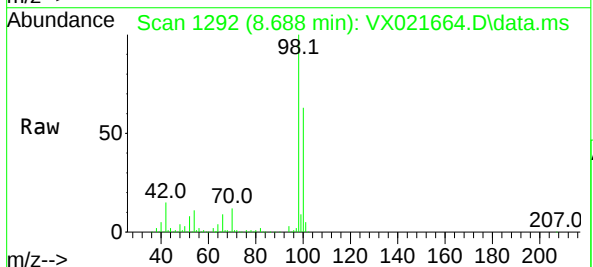
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20210323

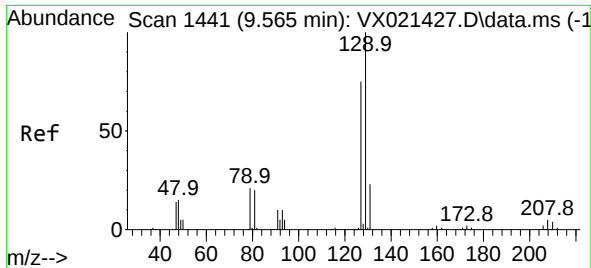
Tgt Ion: 98 Resp: 137273
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.65 ug/l
RT: 8.688 min Scan# 1292
Delta R.T. 0.071 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21

Tgt Ion: 43 Resp: 789
Ion Ratio Lower Upper
43 100
58 170.2 35.4 53.0#

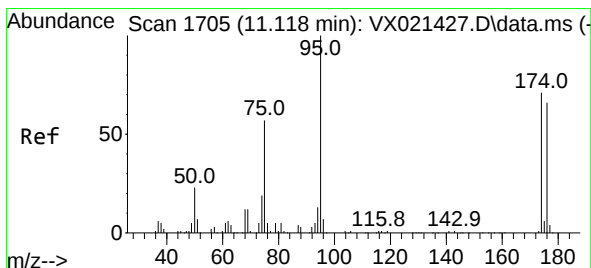
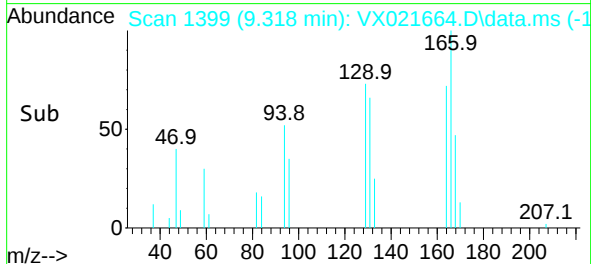
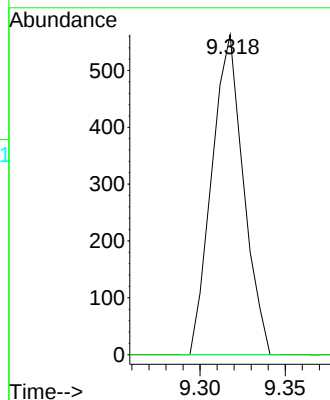
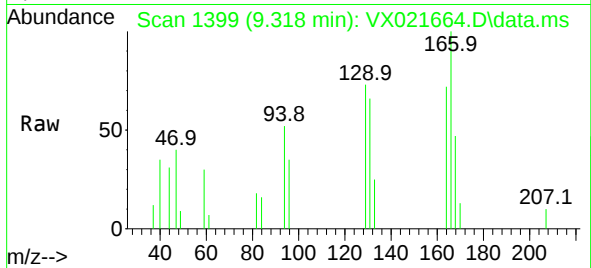




#60
Dibromochloromethane
Concen: 0.83 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21

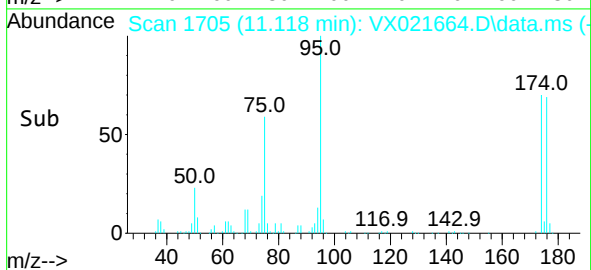
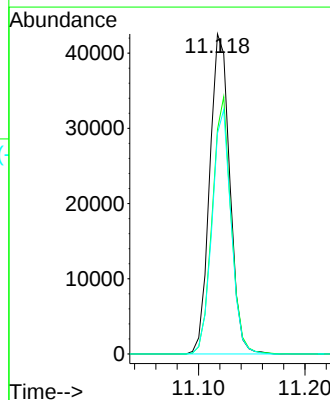
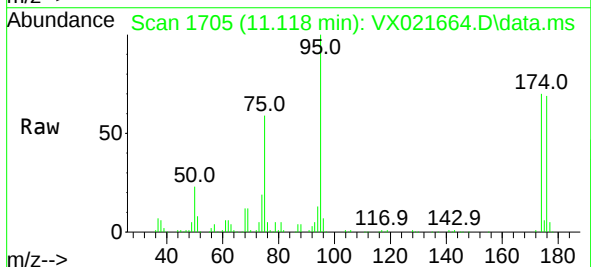
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20210323

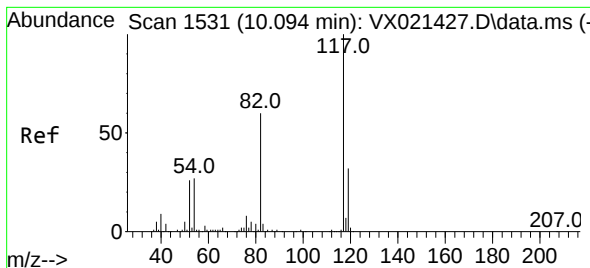
Tgt Ion:129 Resp: 728
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 52.49 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21

Tgt Ion: 95 Resp: 55663
Ion Ratio Lower Upper
95 100
174 75.2 0.0 154.6
176 72.4 0.0 155.8

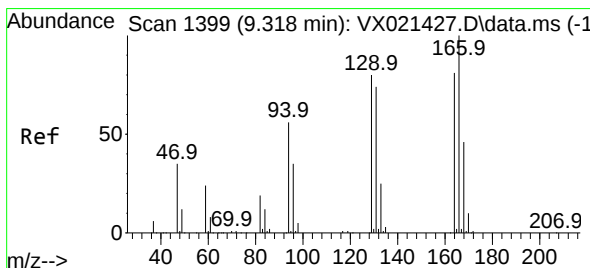
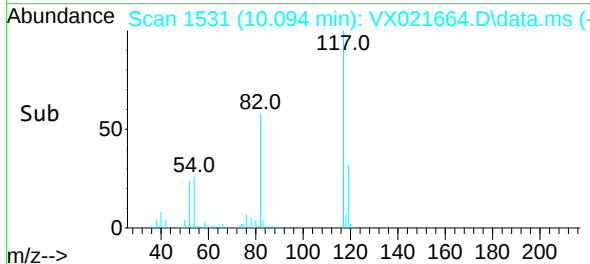
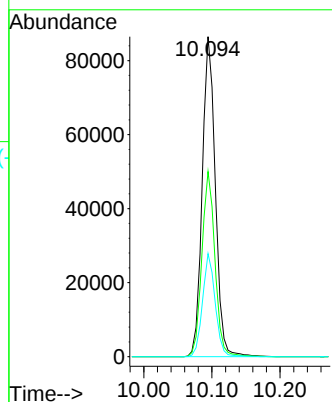
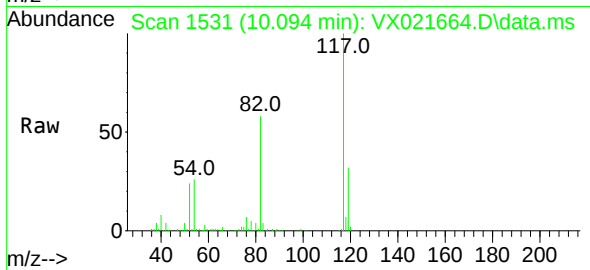




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21

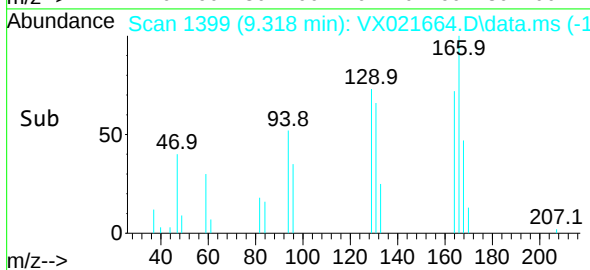
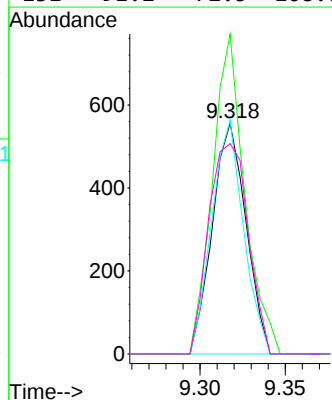
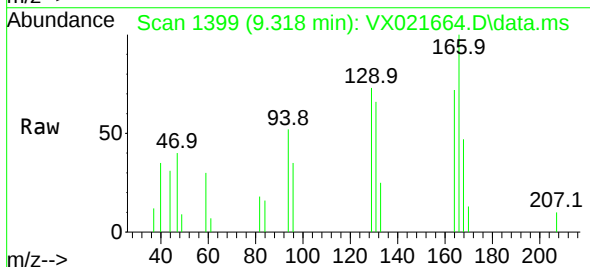
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20210323

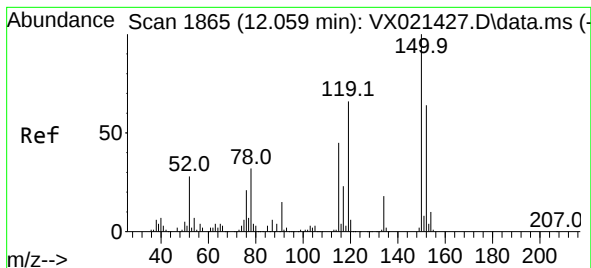
Tgt Ion:117 Resp: 115661
Ion Ratio Lower Upper
117 100
82 57.9 47.4 71.2
119 32.2 26.6 39.8



#64
Tetrachloroethene
Concen: 0.98 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021664.D
Acq: 31 Mar 2021 05:21

Tgt Ion:164 Resp: 760
Ion Ratio Lower Upper
164 100
166 138.7 103.4 155.2
129 101.3 70.8 106.2
131 91.2 72.5 108.7

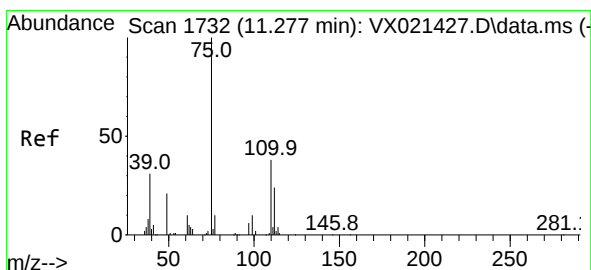
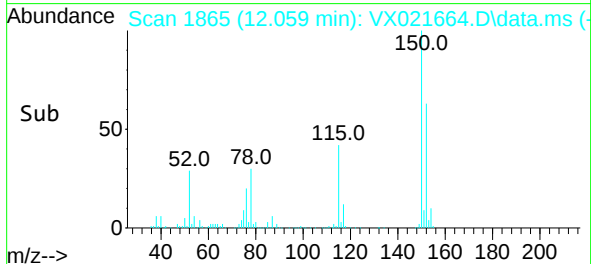
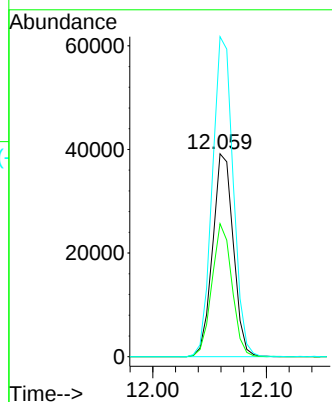
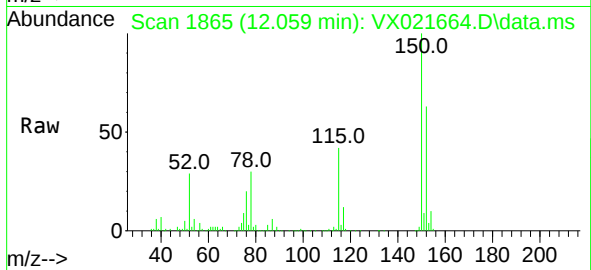




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. 0.000 min
 Lab File: VX021664.D
 Acq: 31 Mar 2021 05:21

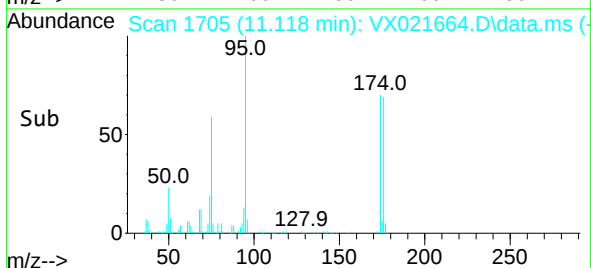
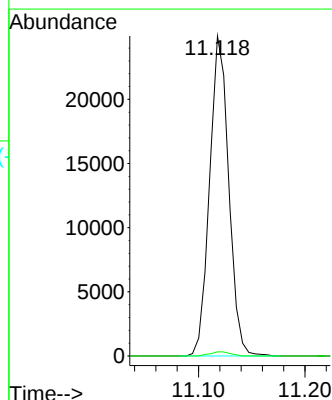
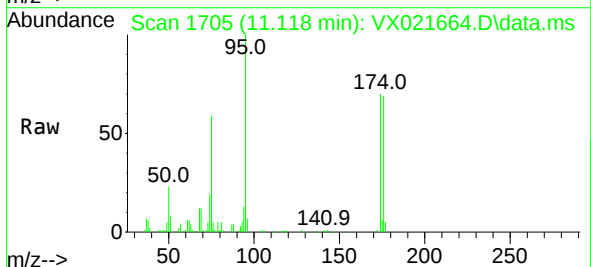
Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20210323

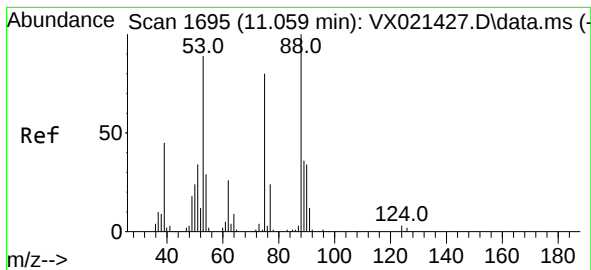
Tgt Ion:152 Resp: 49551
 Ion Ratio Lower Upper
 152 100
 115 63.4 41.1 123.3
 150 159.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.95 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021664.D
 Acq: 31 Mar 2021 05:21

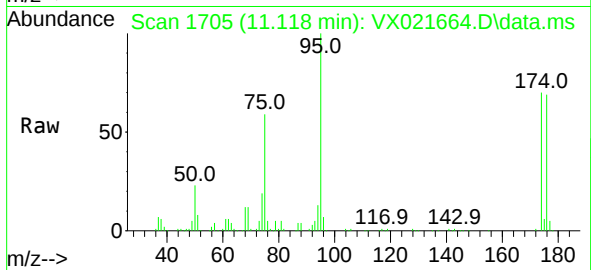
Tgt Ion: 75 Resp: 31091
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.10 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021664.D
 Acq: 31 Mar 2021 05:21

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20210323



Tgt Ion: 75 Resp: 31091
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

