

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032421\
 Data File : VX021471.D
 Acq On : 25 Mar 2021 06:06
 Operator : JC/MD
 Sample : M1787-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 25 06:58:13 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)

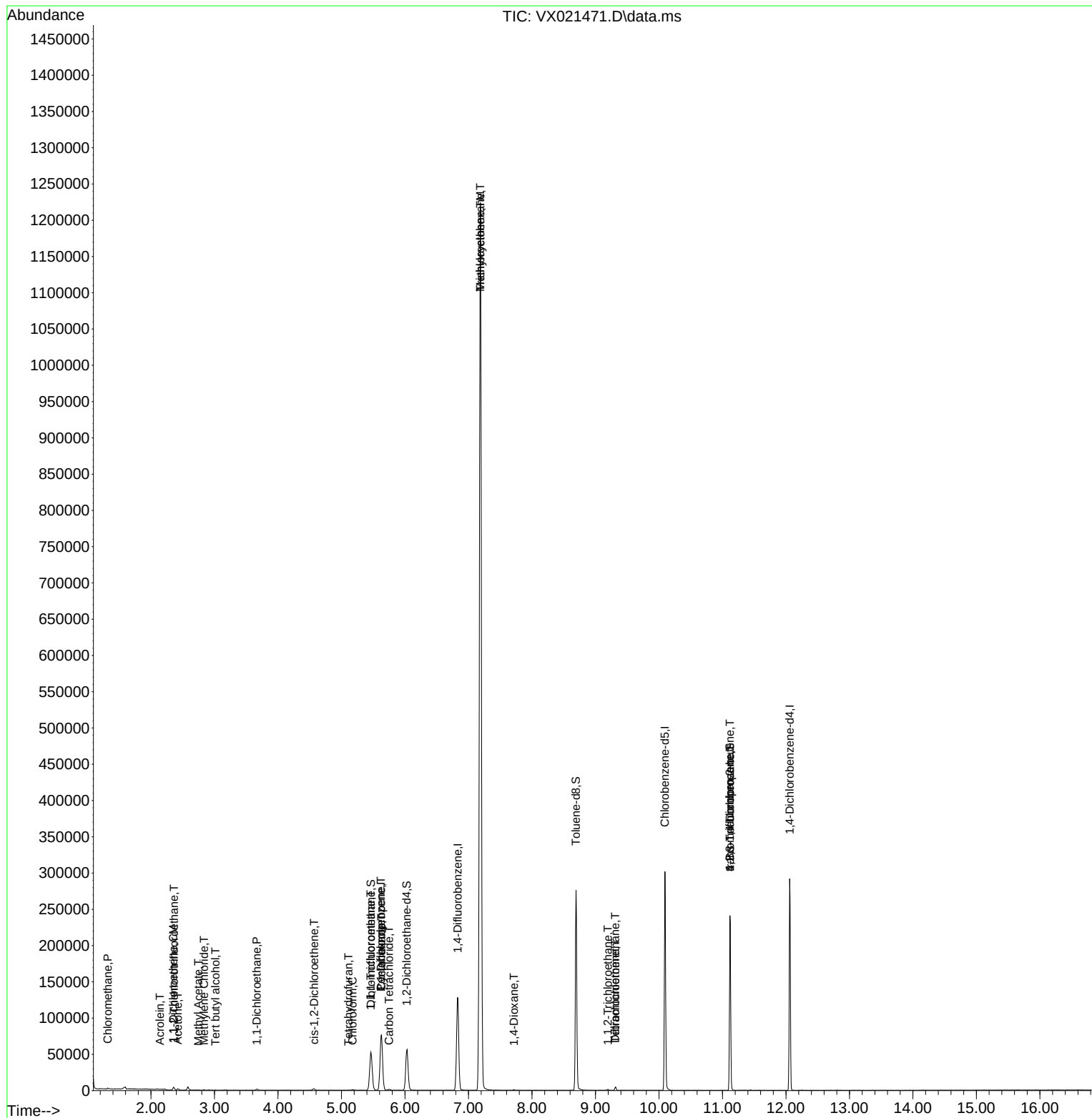
Internal Standards						
1) Pentafluorobenzene	5.623	168	66944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	119254	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	124951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	54068	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	56473	50.70	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.40%
35) Dibromofluoromethane	5.464	113	42268	49.90	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.80%
50) Toluene-d8	8.694	98	152920	50.66	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.32%
62) 4-Bromofluorobenzene	11.118	95	61963	52.80	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.60%
Target Compounds						
					Qvalue	
3) Chloromethane	1.316	50	1838	2.21	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.364	101	599	0.87	ug/l	95
11) Tert butyl alcohol	3.017	59	73	0.40	ug/l #	73
12) 1,1-Dichloroethene	2.352	96	920	1.36	ug/l	91
13) Acrolein	2.140	56	22	4.53	ug/l #	1
16) Acetone	2.422	43	1876	4.45	ug/l #	73
18) Methyl Acetate	2.746	43	250	0.21	ug/l #	47
20) Methylene Chloride	2.834	84	232	0.28	ug/l #	89
24) 1,1-Dichloroethane	3.664	63	1759	1.23	ug/l #	81
27) cis-1,2-Dichloroethene	4.570	96	1246	1.45	ug/l	95
29) Tetrahydrofuran	5.111	42	127	0.31	ug/l #	27
30) Chloroform	5.176	83	717	0.47	ug/l #	72
31) Cyclohexane	5.629	56	1832	1.50	ug/l #	22
32) 1,1,1-Trichloroethane	5.458	97	578	0.43	ug/l #	37
36) 1,1-Dichloropropene	5.623	75	6131	5.25	ug/l #	44
38) Carbon Tetrachloride	5.746	117	939	0.75	ug/l	89
39) Methylcyclohexane	7.188	83	5840	4.51	ug/l #	1
44) Trichloroethene	7.188	130	426496	487.08	ug/l	91
49) 1,4-Dioxane	7.717	88	279	13.32	ug/l #	43
55) 1,1,2-Trichloroethane	9.194	97	308	0.36	ug/l #	85
60) Dibromochloromethane	9.312	129	796	0.82	ug/l #	11
64) Tetrachloroethene	9.312	164	849	1.01	ug/l	87
76) 1,2,3-Trichloropropane	11.118	75	35121	27.90	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	35121	84.99	ug/l #	12

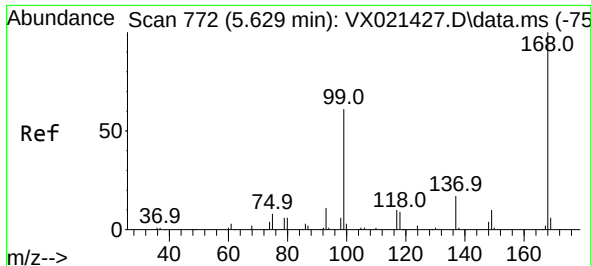
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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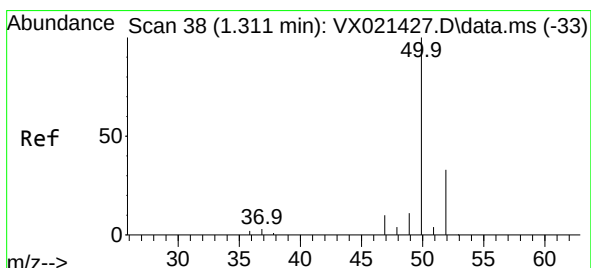
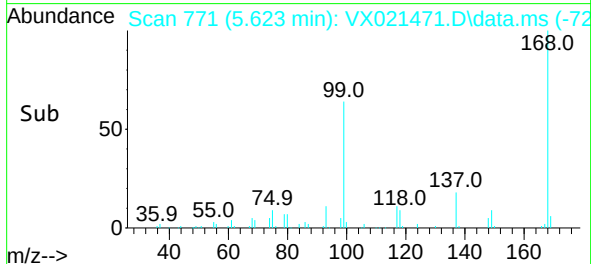
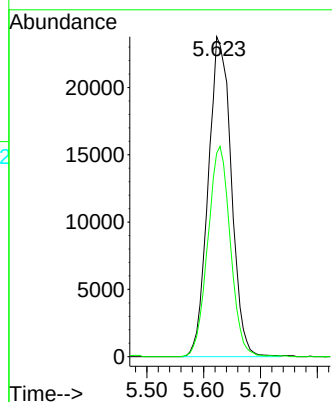
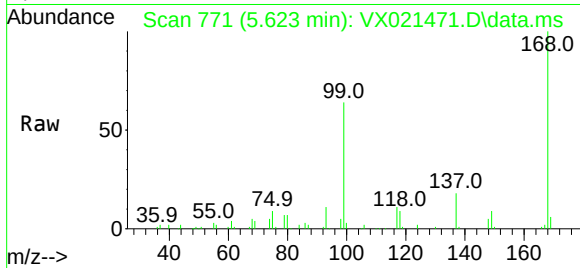




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.006 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06

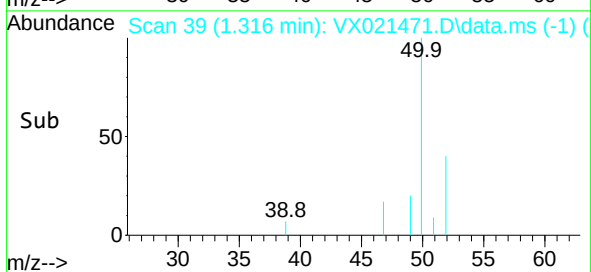
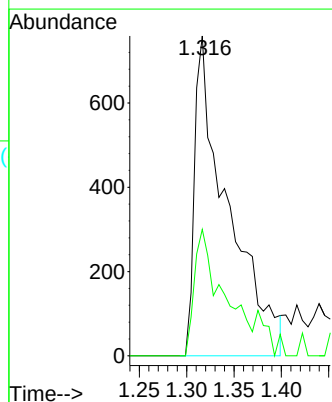
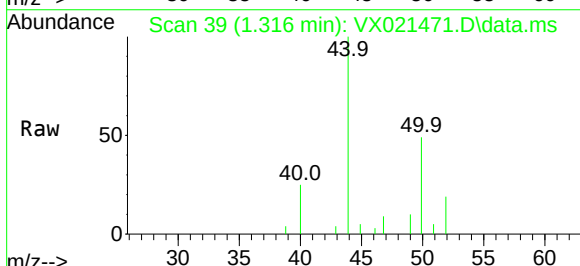
Instrument :
MSVOA_X
ClientSampleId :

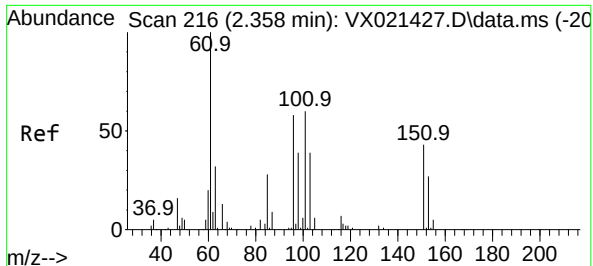
Tgt Ion:168 Resp: 66944
Ion Ratio Lower Upper
168 100
99 63.6 45.8 68.6



#3
Chloromethane
Concen: 2.21 ug/l
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06

Tgt Ion: 50 Resp: 1838
Ion Ratio Lower Upper
50 100
52 39.5 26.4 39.6

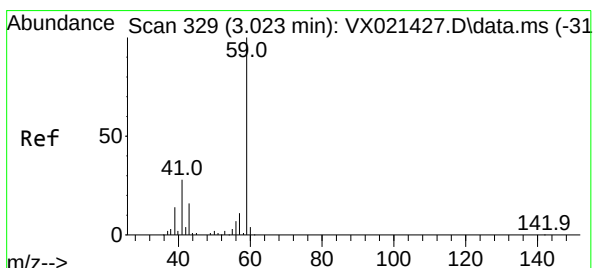
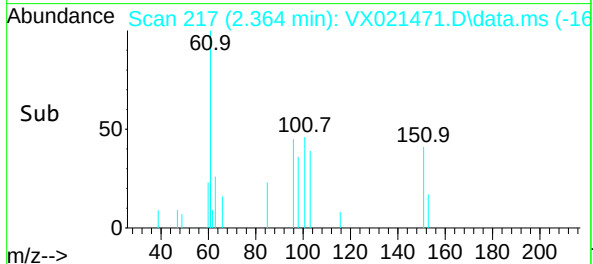
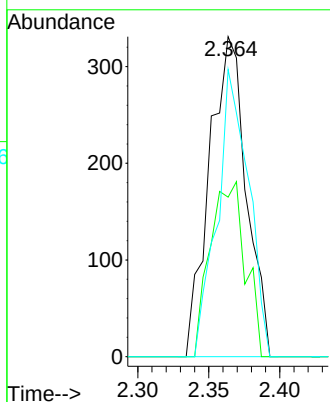
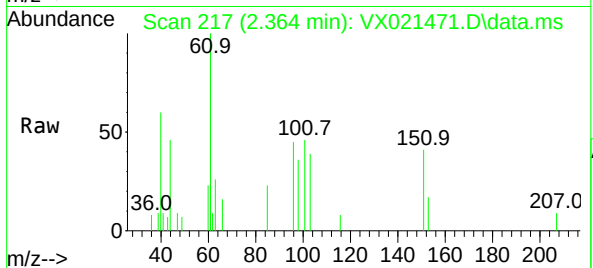




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.87 ug/l
RT: 2.364 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06

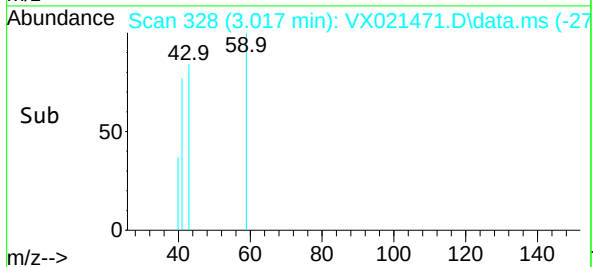
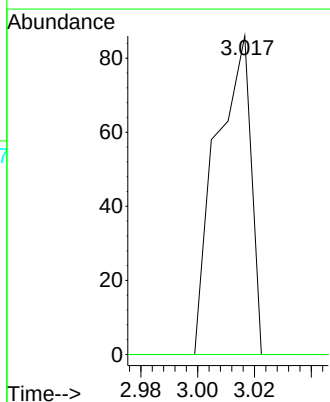
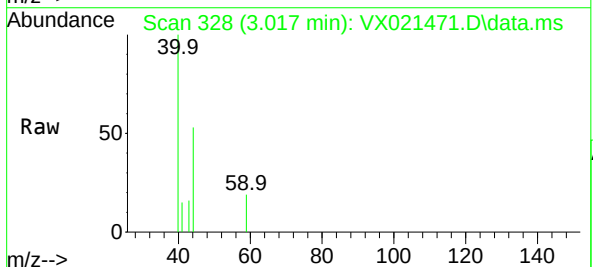
Instrument :
MSVOA_X
ClientSampleId :

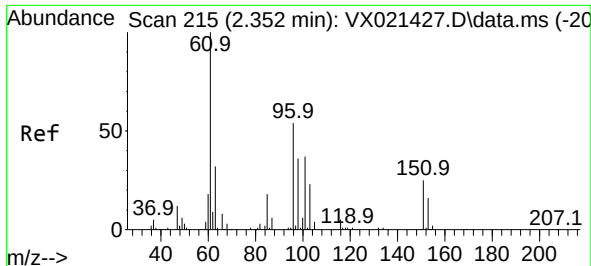
Tgt Ion:101 Resp: 599
Ion Ratio Lower Upper
101 100
85 52.1 34.9 52.3
151 76.1 61.4 92.2



#11
Tert butyl alcohol
Concen: 0.40 ug/l
RT: 3.017 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06

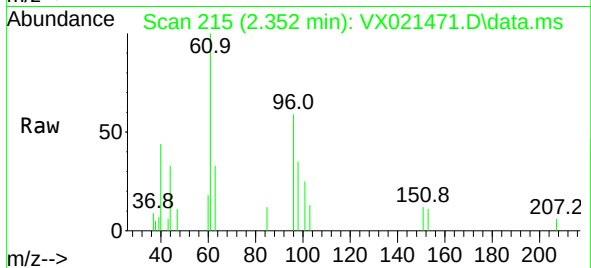
Tgt Ion: 59 Resp: 73
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



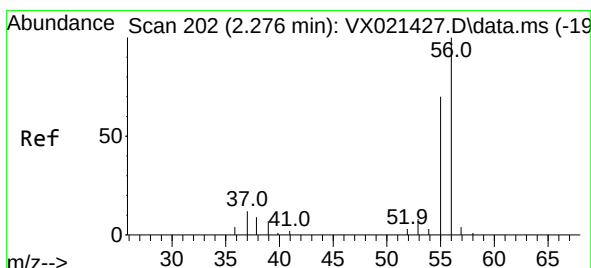
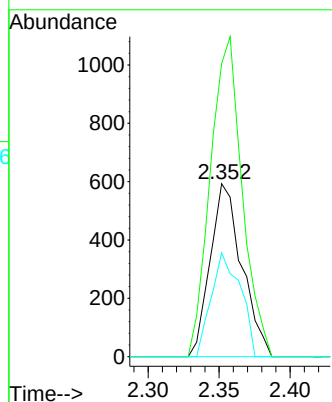
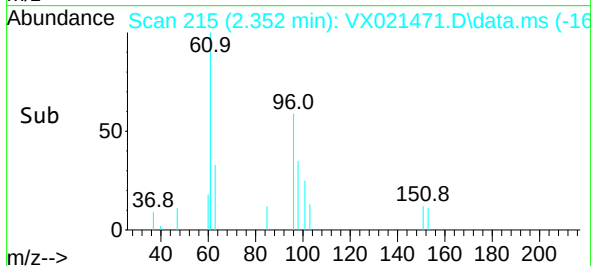


#12
1,1-Dichloroethene
Concen: 1.36 ug/l
RT: 2.352 min Scan# 215
Delta R.T. -0.000 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06

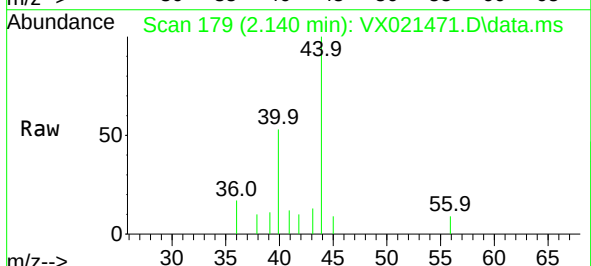
Instrument :
MSVOA_X
ClientSampled :



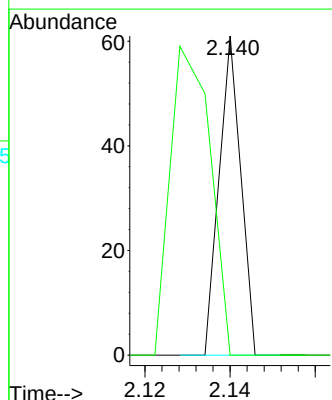
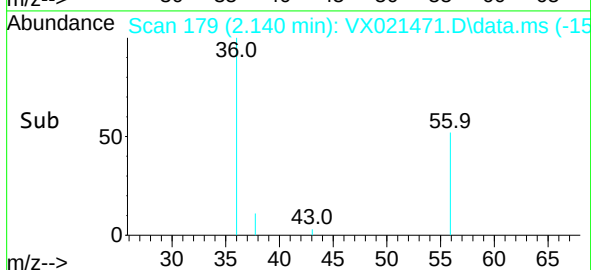
Tgt Ion: 96 Resp: 920
Ion Ratio Lower Upper
96 100
61 169.5 124.6 187.0
98 60.0 50.6 76.0

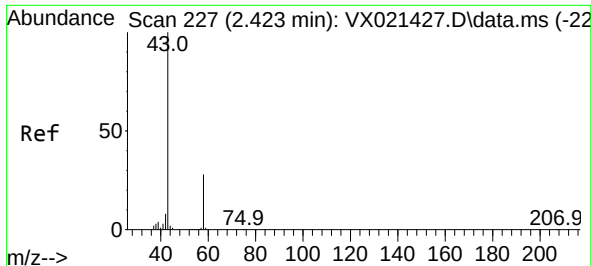


#13
Acrolein
Concen: 4.53 ug/l
RT: 2.140 min Scan# 179
Delta R.T. -0.136 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06



Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 172.7 56.4 84.6#

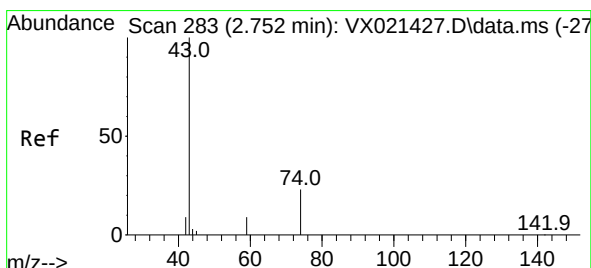
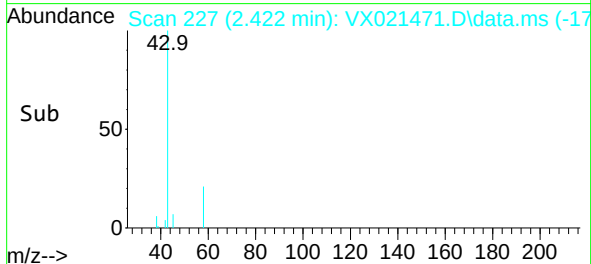
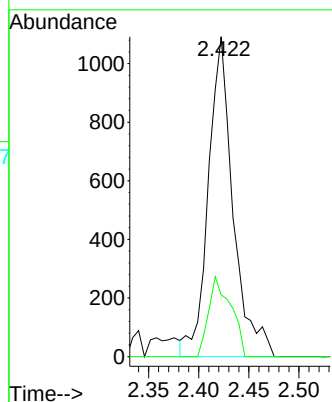
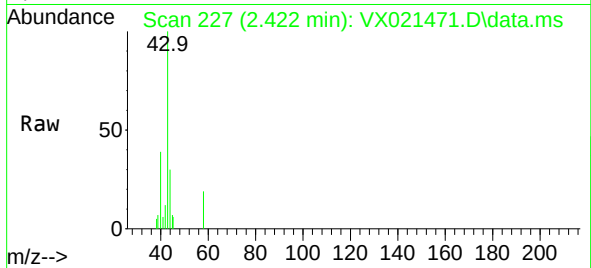




#16
Acetone
Concen: 4.45 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06

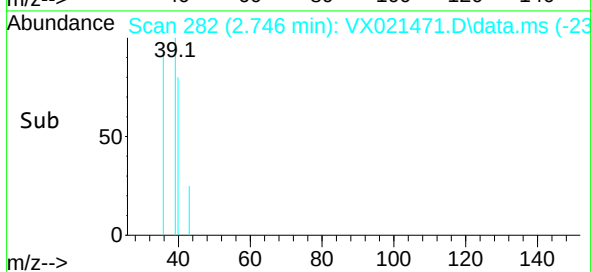
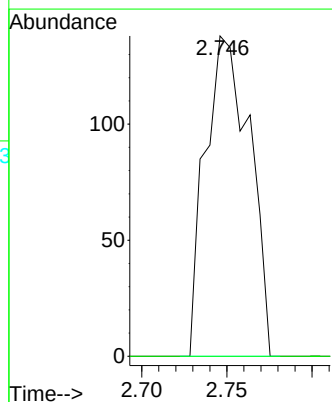
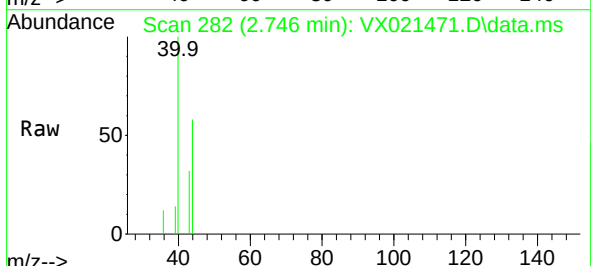
Instrument :
MSVOA_X
ClientSampled :

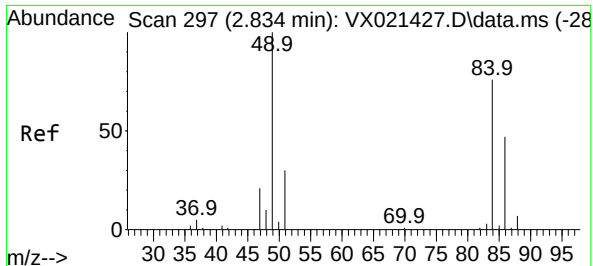
Tgt Ion: 43 Resp: 1876
Ion Ratio Lower Upper
43 100
58 19.3 27.8 41.8#



#18
Methyl Acetate
Concen: 0.21 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06

Tgt Ion: 43 Resp: 250
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.28 ug/l

RT: 2.834 min Scan# 297

Delta R.T. 0.000 min

Lab File: VX021471.D

Acq: 25 Mar 2021 06:06

Tgt Ion: 84 Resp: 232

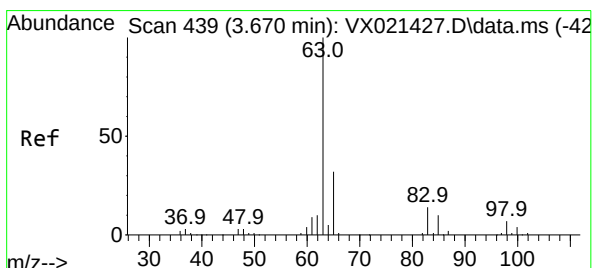
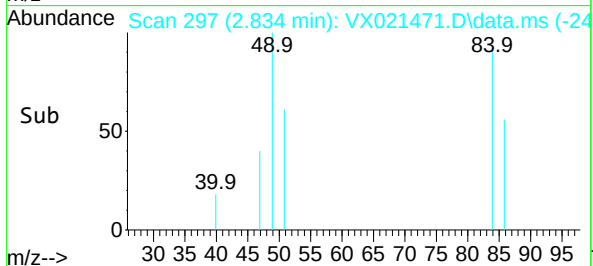
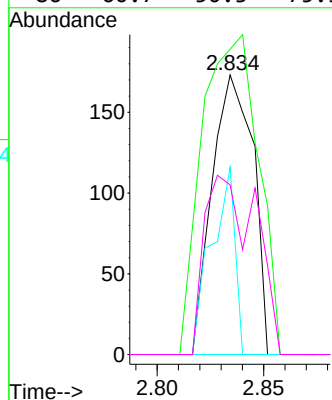
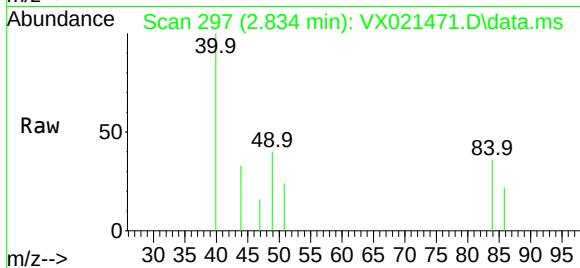
Ion Ratio Lower Upper

84 100

49 109.2 88.6 132.8

51 67.1 27.0 40.6#

86 60.7 50.3 75.5



#24

1,1-Dichloroethane

Concen: 1.23 ug/l

RT: 3.664 min Scan# 438

Delta R.T. -0.006 min

Lab File: VX021471.D

Acq: 25 Mar 2021 06:06

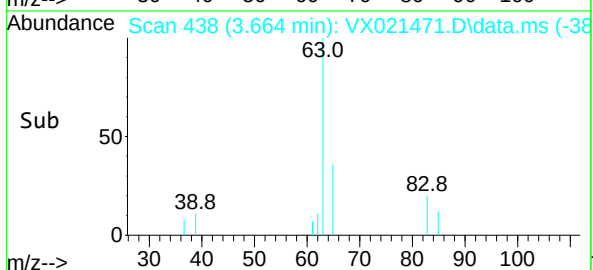
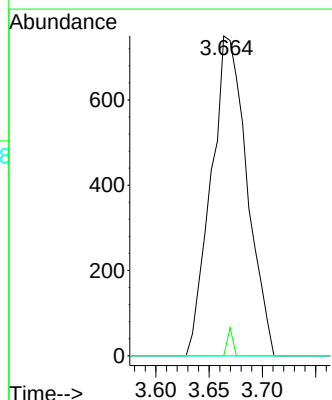
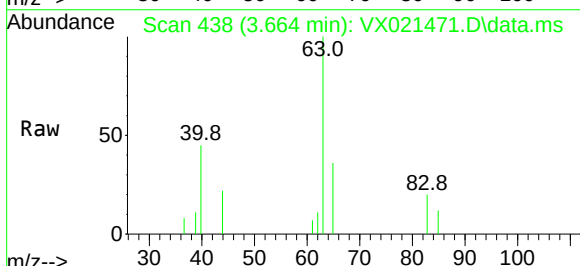
Tgt Ion: 63 Resp: 1759

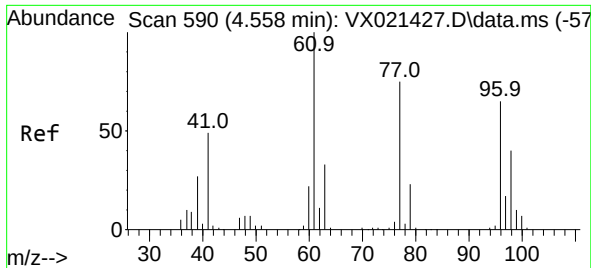
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 1.45 ug/l

RT: 4.570 min Scan# 592

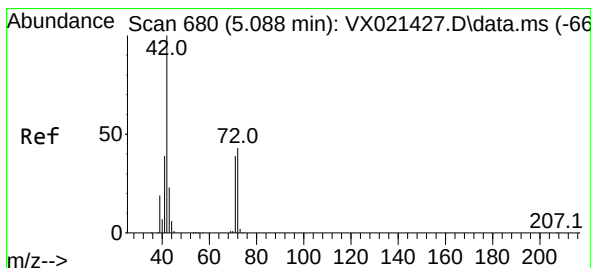
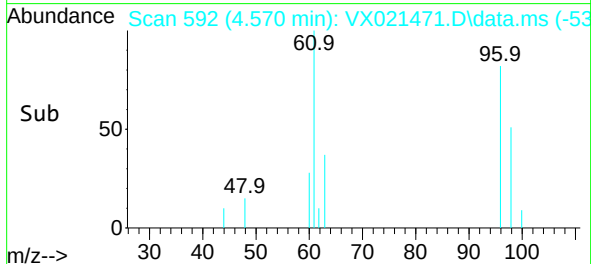
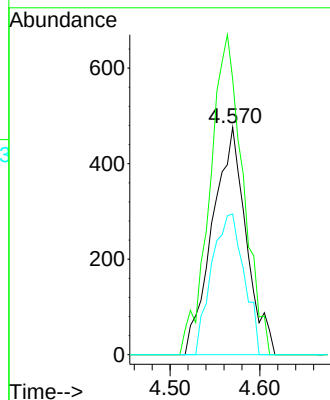
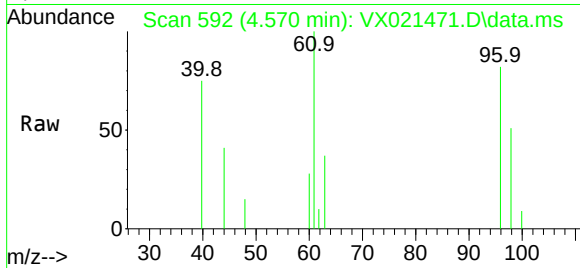
Delta R.T. 0.012 min

Lab File: VX021471.D

Acq: 25 Mar 2021 06:06

Tgt Ion: 96 Resp: 1246

Ion	Ratio	Lower	Upper
96	100		
61	138.2	0.0	285.6
98	59.1	0.0	129.6



#29

Tetrahydrofuran

Concen: 0.31 ug/l

RT: 5.111 min Scan# 684

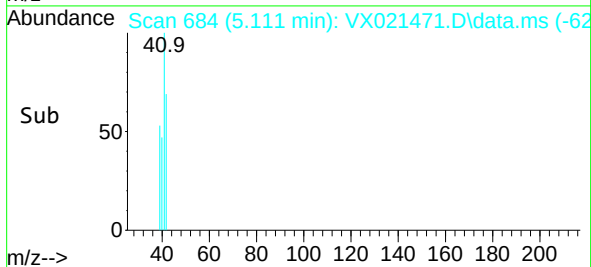
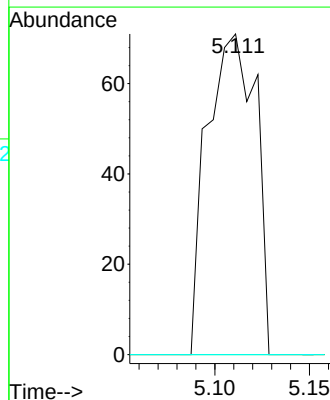
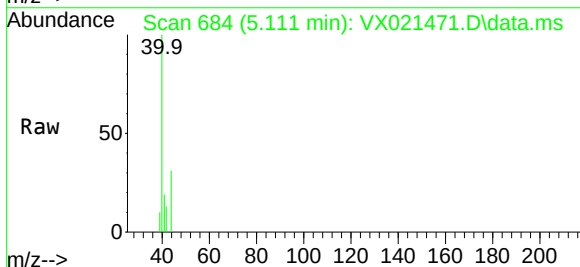
Delta R.T. 0.023 min

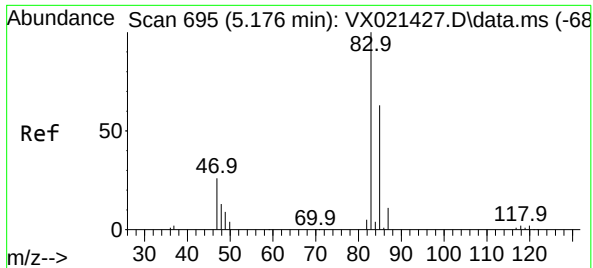
Lab File: VX021471.D

Acq: 25 Mar 2021 06:06

Tgt Ion: 42 Resp: 127

Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#

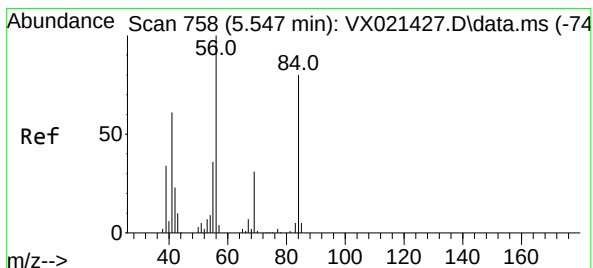
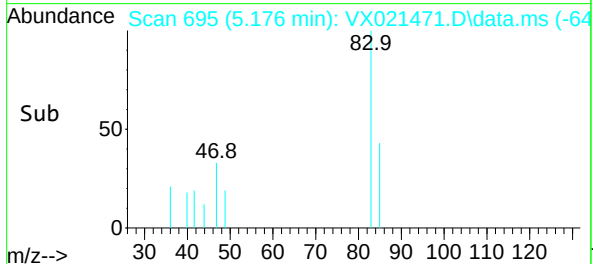
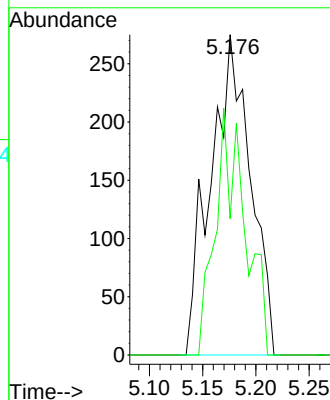
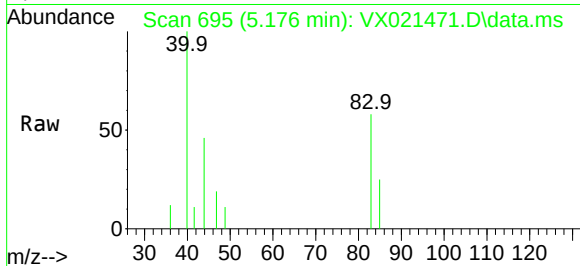




#30
Chloroform
Concen: 0.47 ug/l
RT: 5.176 min Scan# 695
Delta R.T. -0.000 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06

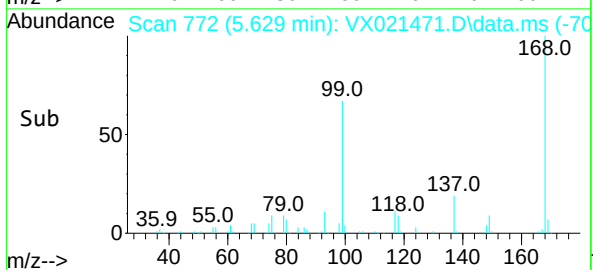
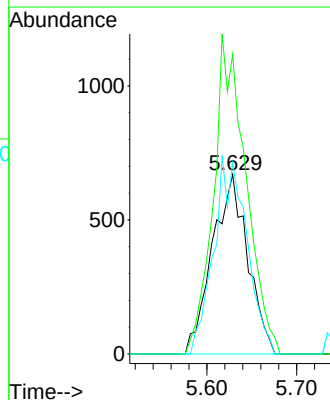
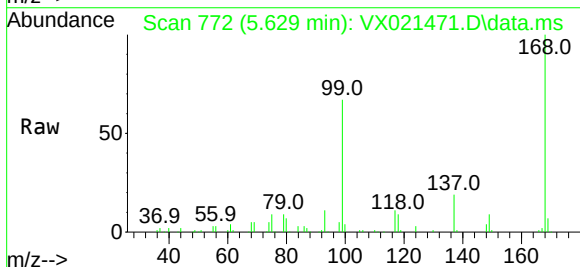
Instrument :
MSVOA_X
ClientSampled :

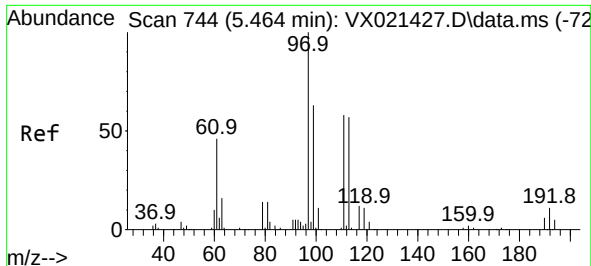
Tgt Ion: 83 Resp: 717
Ion Ratio Lower Upper
83 100
85 42.5 52.0 78.0#



#31
Cyclohexane
Concen: 1.50 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06

Tgt Ion: 56 Resp: 1832
Ion Ratio Lower Upper
56 100
69 167.1 25.3 37.9#
84 106.6 71.4 107.0

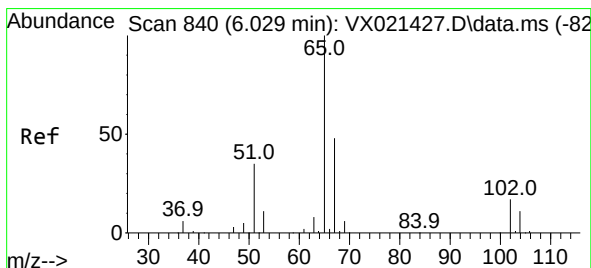
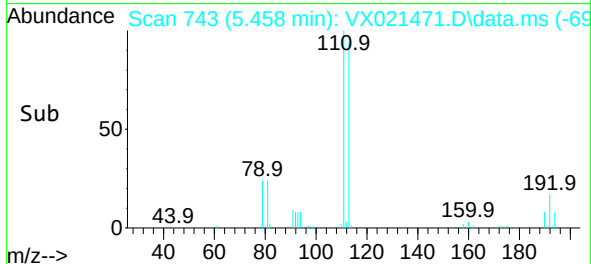
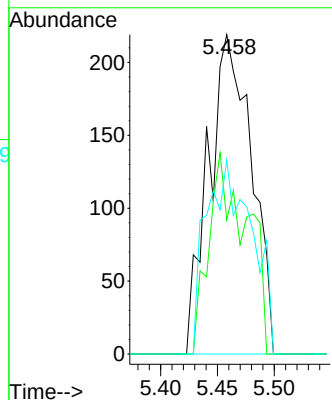
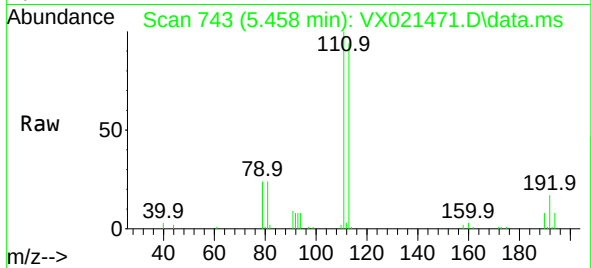




#32
1,1,1-Trichloroethane
Concen: 0.43 ug/l
RT: 5.458 min Scan# 743
Delta R.T. -0.006 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06

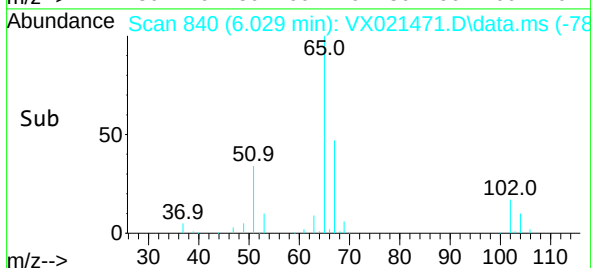
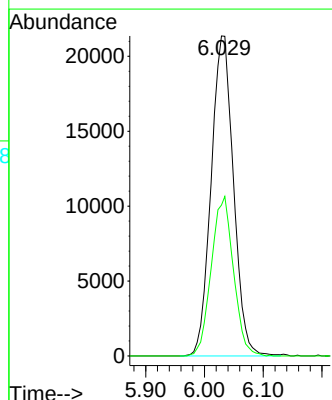
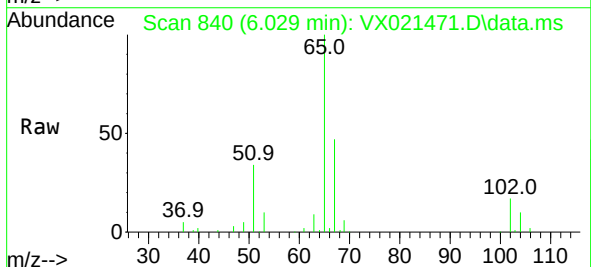
Instrument :
MSVOA_X
ClientSampled :

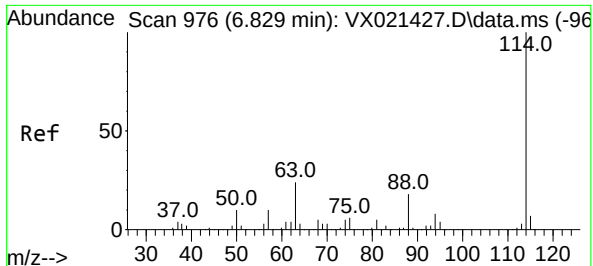
Tgt Ion: 97 Resp: 578
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 64.2 34.2 51.4#



#33
1,2-Dichloroethane-d4
Concen: 50.70 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06

Tgt Ion: 65 Resp: 56473
Ion Ratio Lower Upper
65 100
67 49.4 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: VX021471.D

Acq: 25 Mar 2021 06:06

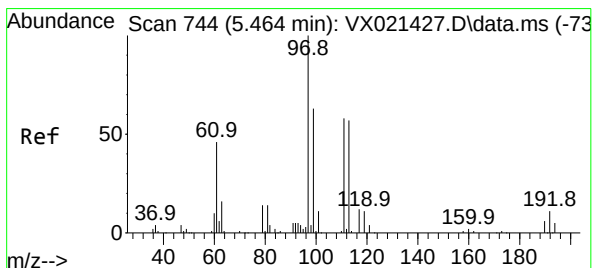
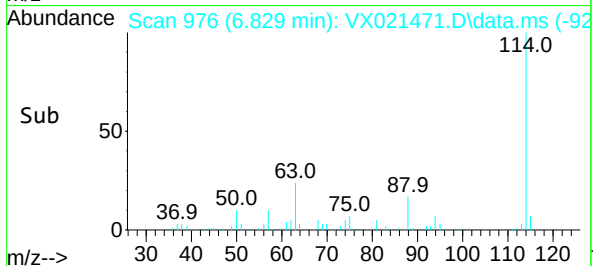
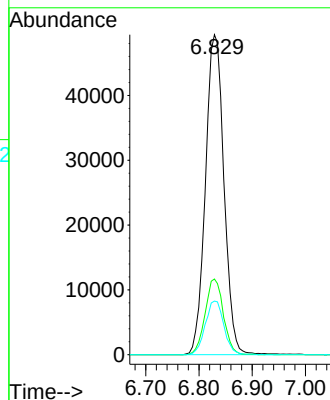
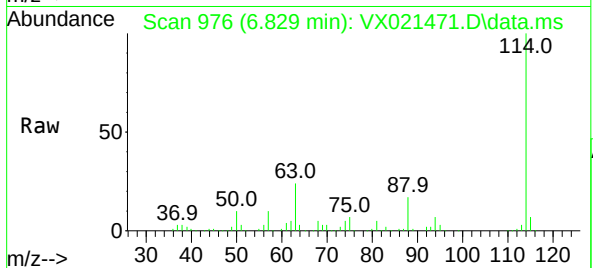
Tgt Ion:114 Resp: 119254

Ion Ratio Lower Upper

114 100

63 23.7 0.0 40.8

88 16.7 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.90 ug/l

RT: 5.464 min Scan# 744

Delta R.T. -0.000 min

Lab File: VX021471.D

Acq: 25 Mar 2021 06:06

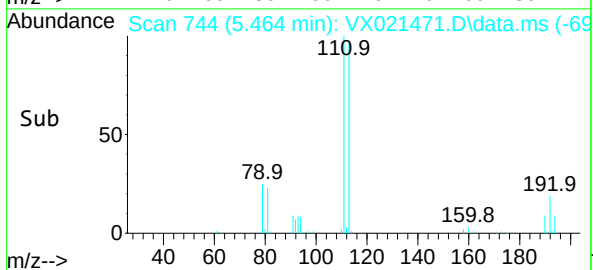
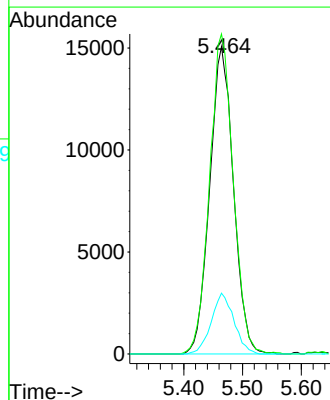
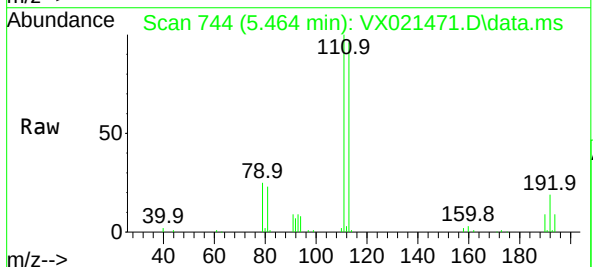
Tgt Ion:113 Resp: 42268

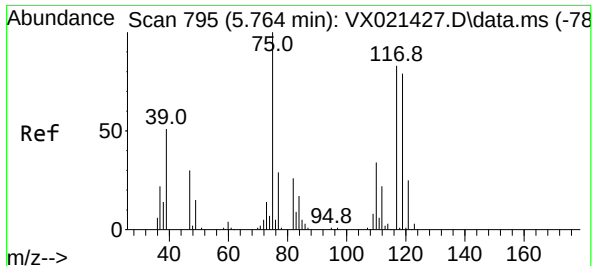
Ion Ratio Lower Upper

113 100

111 103.9 81.9 122.9

192 18.9 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.25 ug/l

RT: 5.623 min Scan# 771

Delta R.T. -0.141 min

Lab File: VX021471.D

Acq: 25 Mar 2021 06:06

Tgt Ion: 75 Resp: 6131

Ion Ratio Lower Upper

75 100

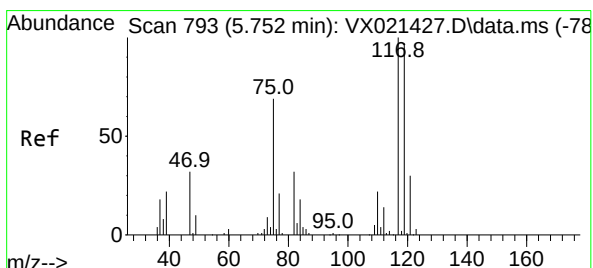
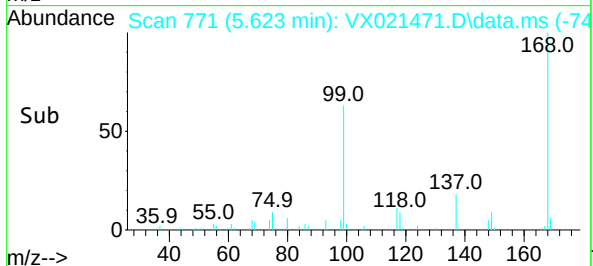
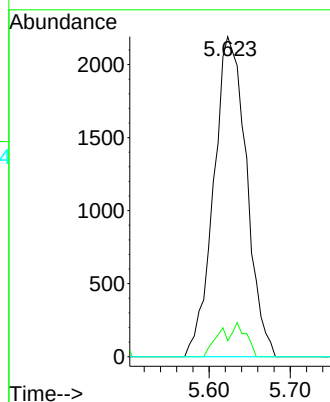
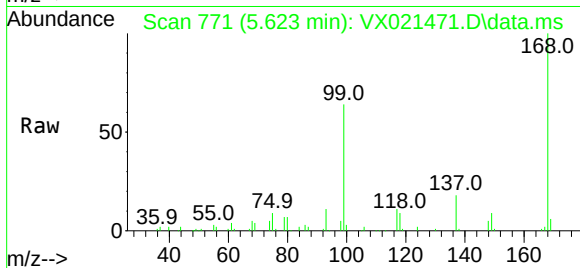
110 3.6 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :



#38

Carbon Tetrachloride

Concen: 0.75 ug/l

RT: 5.746 min Scan# 792

Delta R.T. -0.006 min

Lab File: VX021471.D

Acq: 25 Mar 2021 06:06

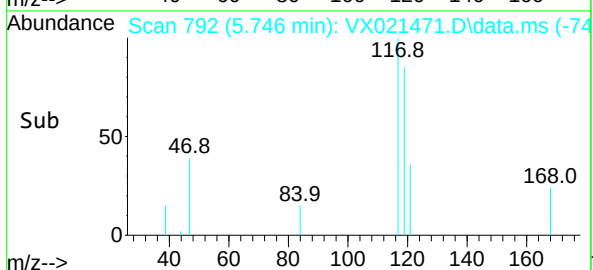
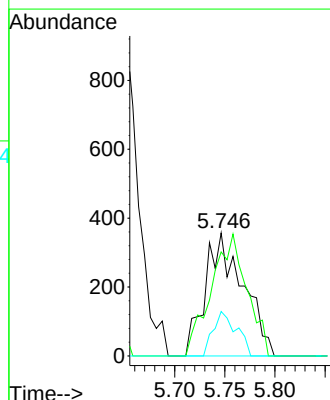
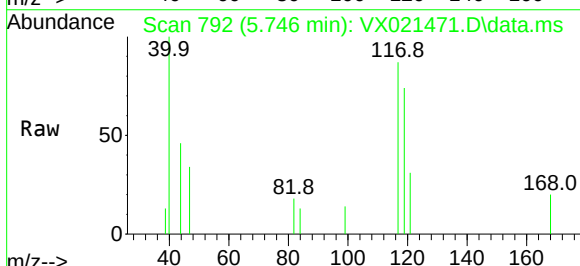
Tgt Ion: 117 Resp: 939

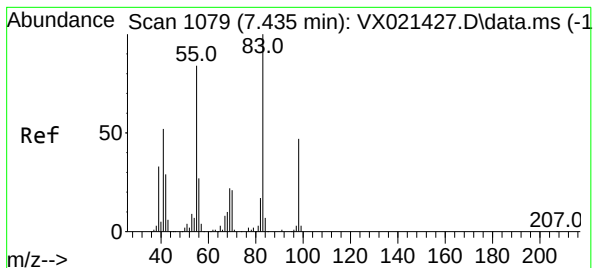
Ion Ratio Lower Upper

117 100

119 84.6 76.2 114.2

121 36.1 24.8 37.2





#39

Methylcyclohexane

Concen: 4.51 ug/l

RT: 7.188 min Scan# 1037

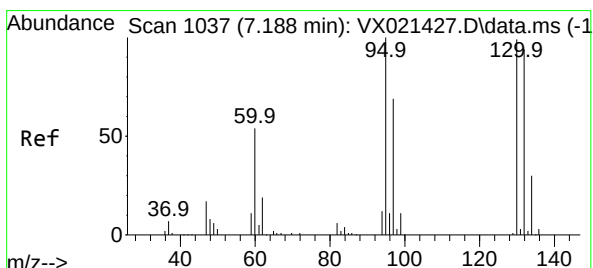
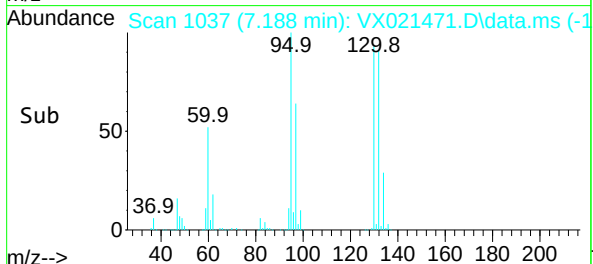
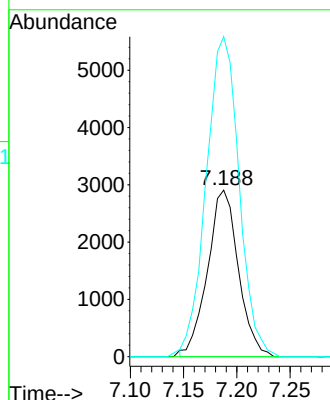
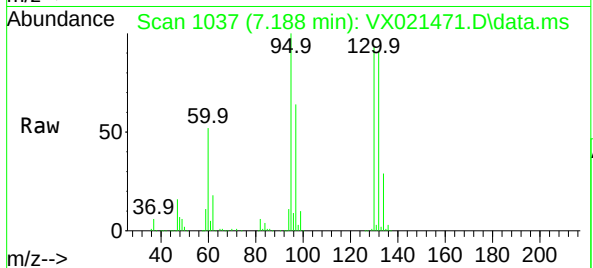
Delta R.T. -0.247 min

Lab File: VX021471.D

Acq: 25 Mar 2021 06:06

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 83	Resp: 5840
Ion Ratio	Lower Upper
83 100	
55 0.0	58.9 88.3#
98 188.8	38.1 57.1#



#44

Trichloroethene

Concen: 487.08 ug/l

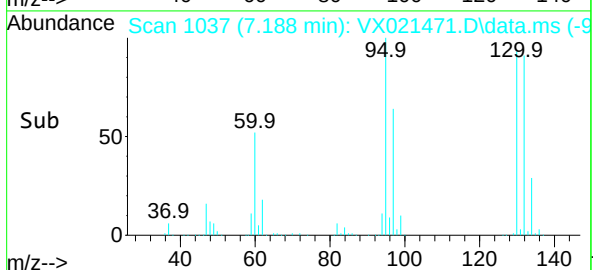
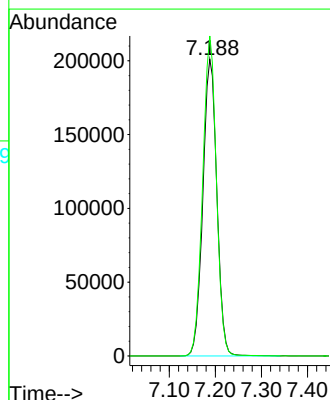
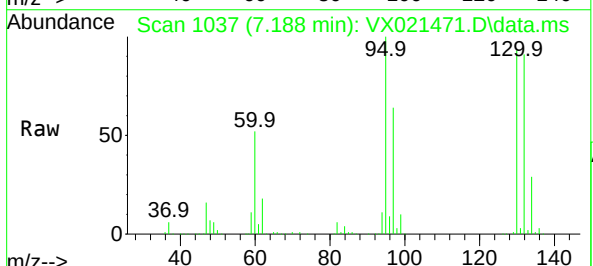
RT: 7.188 min Scan# 1037

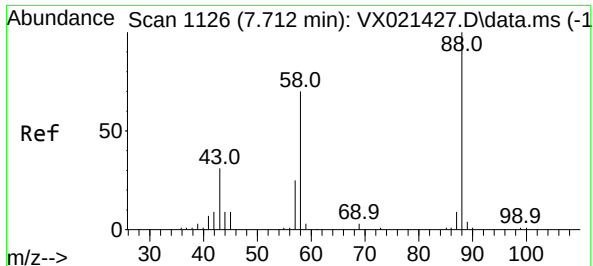
Delta R.T. -0.000 min

Lab File: VX021471.D

Acq: 25 Mar 2021 06:06

Tgt Ion: 130	Resp: 426496
Ion Ratio	Lower Upper
130 100	
95 107.8	0.0 198.0

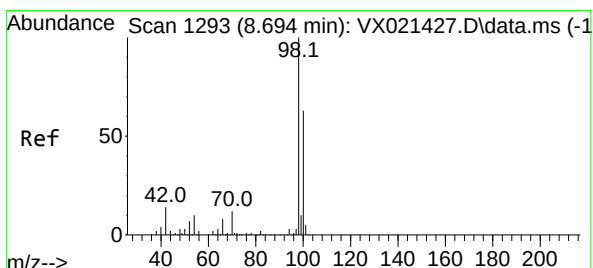
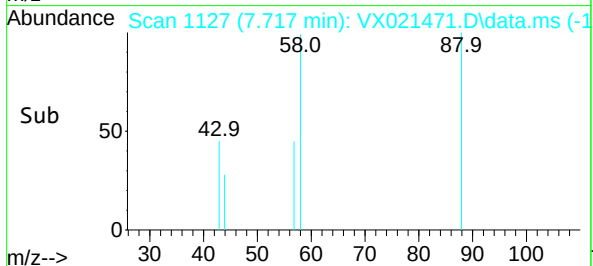
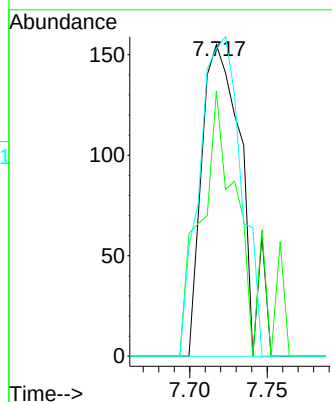
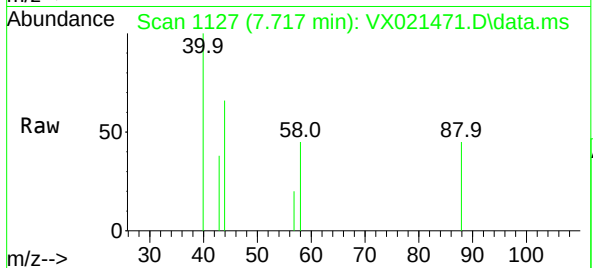




#49
1,4-Dioxane
Concen: 13.32 ug/l
RT: 7.717 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06

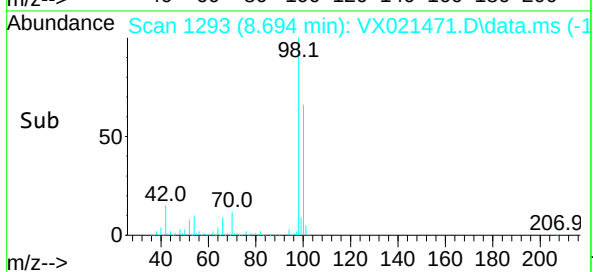
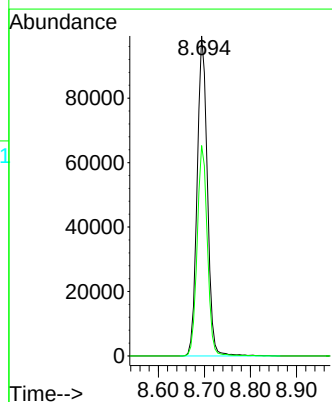
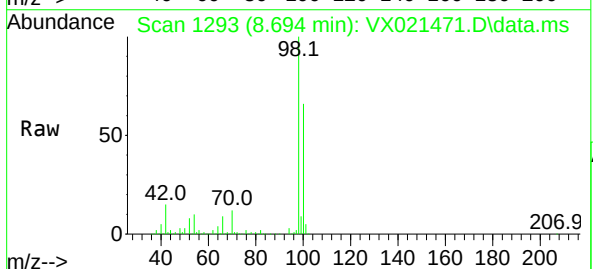
Instrument :
MSVOA_X
ClientSampled :

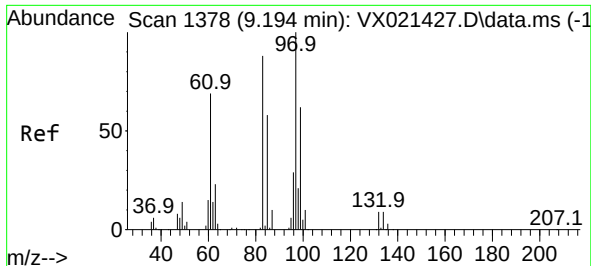
Tgt Ion: 88 Resp: 279
Ion Ratio Lower Upper
88 100
43 71.7 23.2 34.8#
58 107.2 55.0 82.4#



#50
Toluene-d8
Concen: 50.66 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06

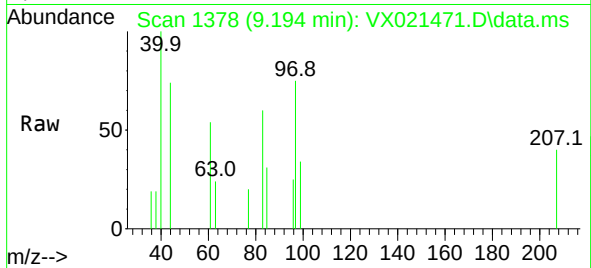
Tgt Ion: 98 Resp: 152920
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9



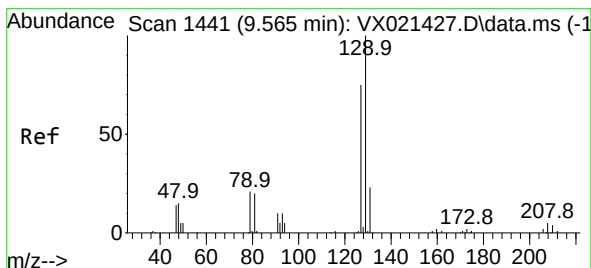
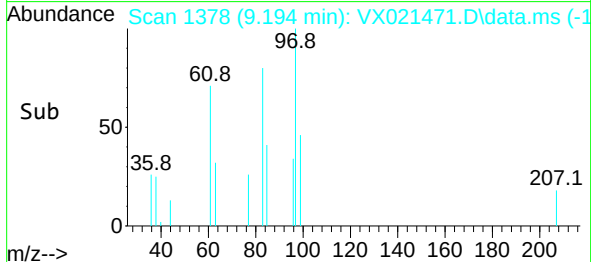
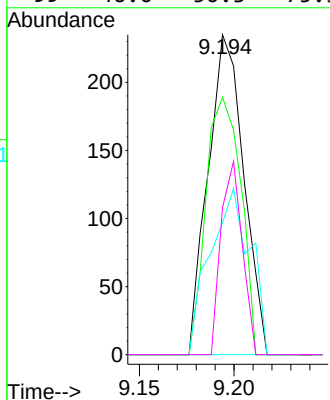


#55
1,1,2-Trichloroethane
Concen: 0.36 ug/l
RT: 9.194 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06

Instrument :
MSVOA_X
ClientSampled :

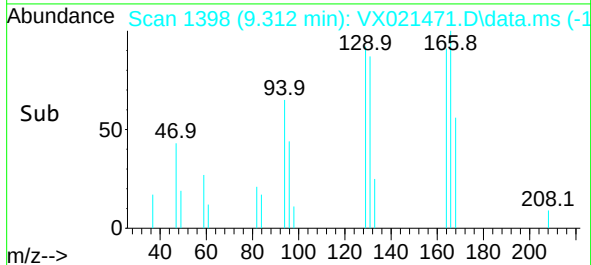
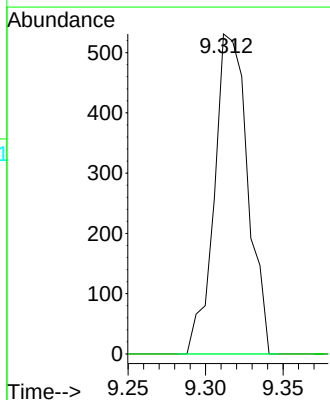
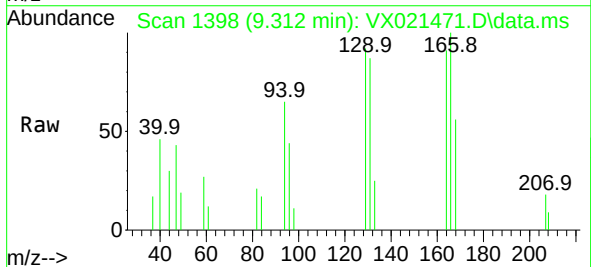


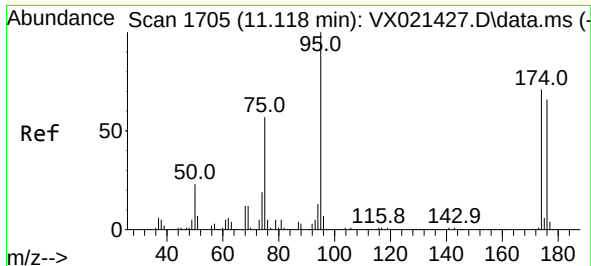
Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.4	69.3	103.9
85	41.3	44.3	66.5#
99	46.0	50.3	75.5#



#60
Dibromochloromethane
Concen: 0.82 ug/l
RT: 9.312 min Scan# 1398
Delta R.T. -0.253 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06

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

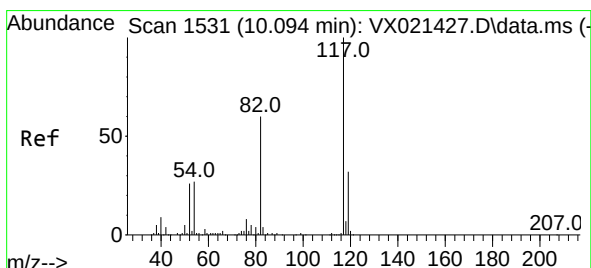
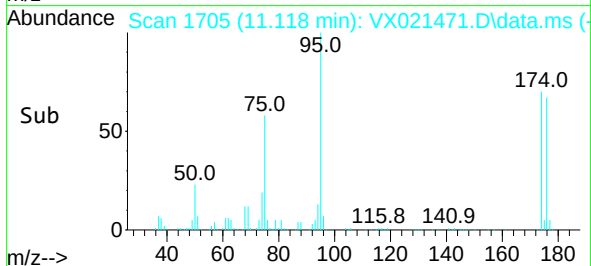
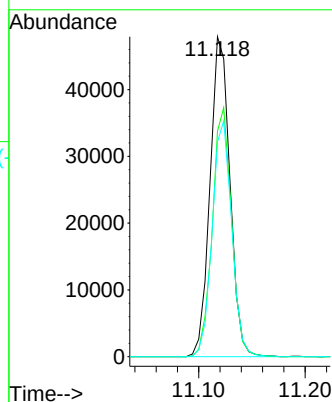
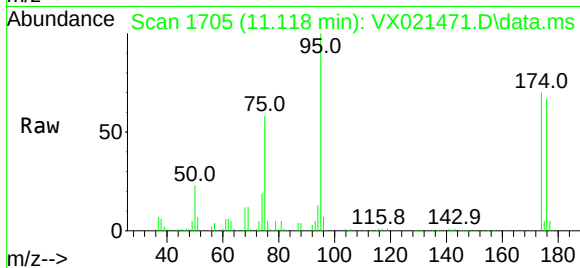




#62
4-Bromofluorobenzene
Concen: 52.80 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06

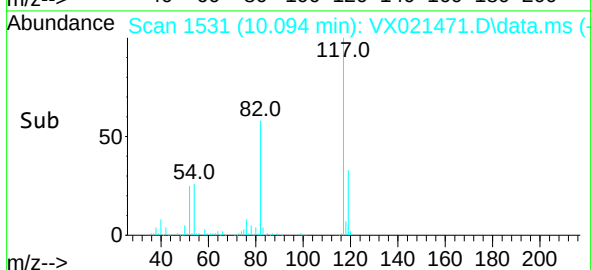
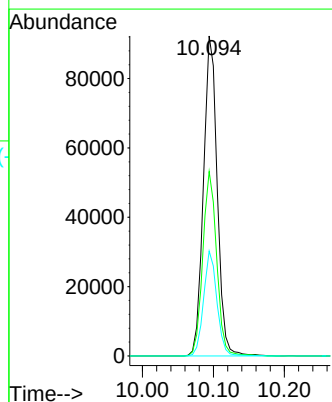
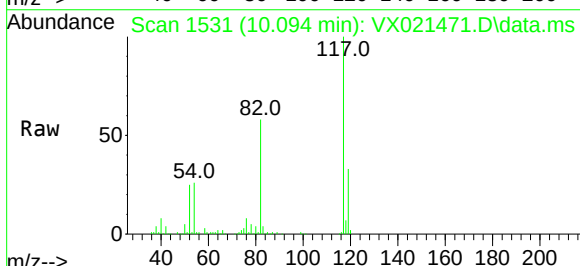
Instrument :
MSVOA_X
ClientSampleId :

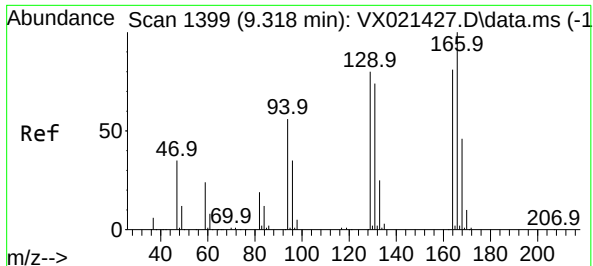
Tgt Ion: 95 Resp: 61963
Ion Ratio Lower Upper
95 100
174 75.2 0.0 154.6
176 72.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06

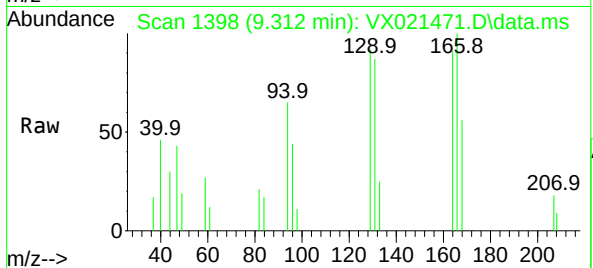
Tgt Ion: 117 Resp: 124951
Ion Ratio Lower Upper
117 100
82 57.6 47.4 71.2
119 32.8 26.6 39.8



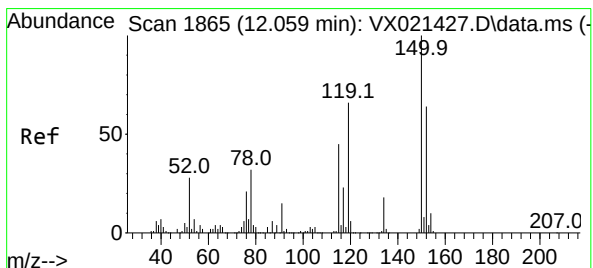
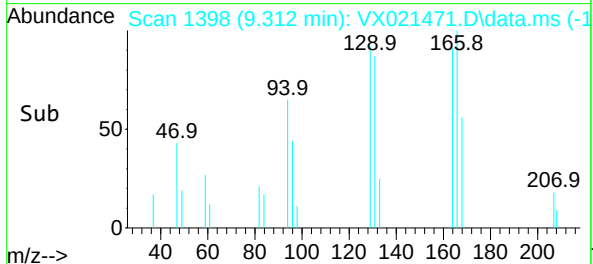
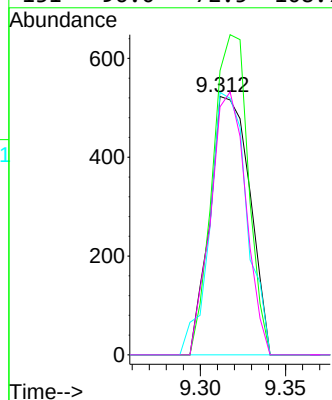


#64
Tetrachloroethene
Concen: 1.01 ug/l
RT: 9.312 min Scan# 1398
Delta R.T. -0.006 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06

Instrument :
MSVOA_X
ClientSampleId :

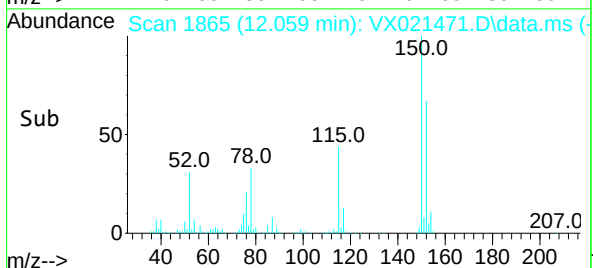
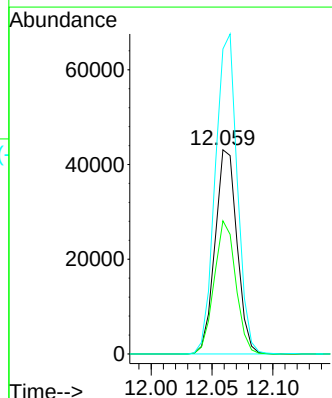
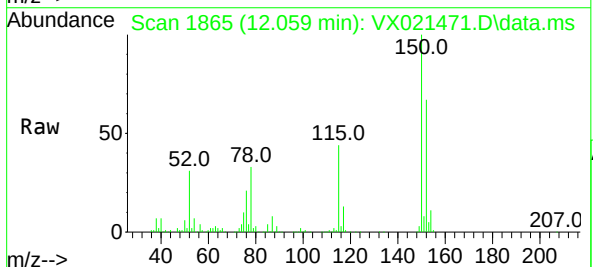


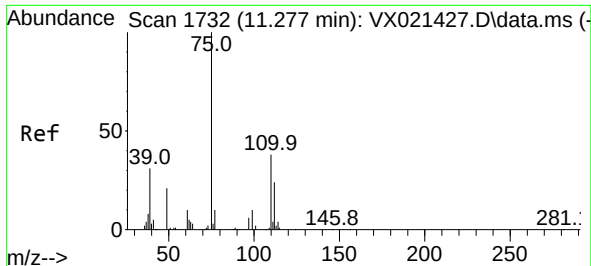
Tgt Ion:	164	Resp:	849
Ion	Ratio	Lower	Upper
164	100		
166	109.9	103.4	155.2
129	101.5	70.8	106.2
131	96.0	72.5	108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.000 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06

Tgt Ion:	152	Resp:	54068
Ion	Ratio	Lower	Upper
152	100		
115	64.2	41.1	123.3
150	157.1	0.0	349.0

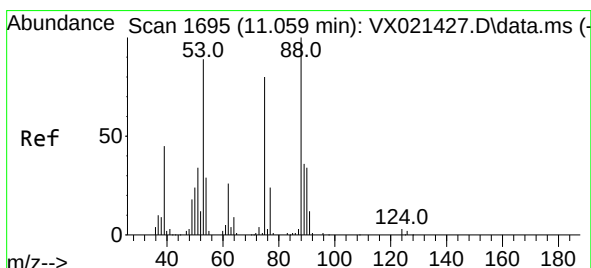
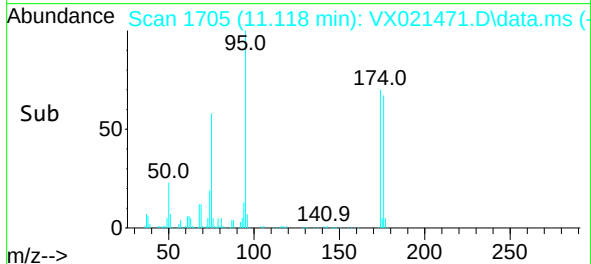
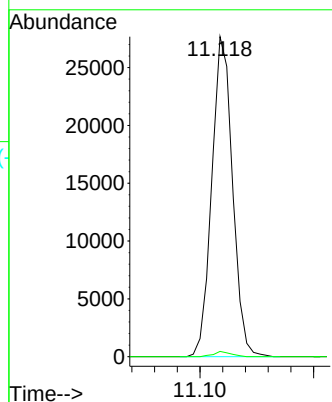
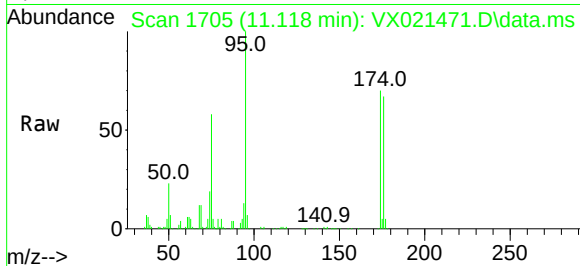




#76
1,2,3-Trichloropropane
Concen: 27.90 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 35121
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.99 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021471.D
Acq: 25 Mar 2021 06:06

Tgt Ion: 75 Resp: 35121
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

