

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032421\
 Data File : VX021465.D
 Acq On : 25 Mar 2021 03:46
 Operator : JC/MD
 Sample : M1787-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 25 06:55:50 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)

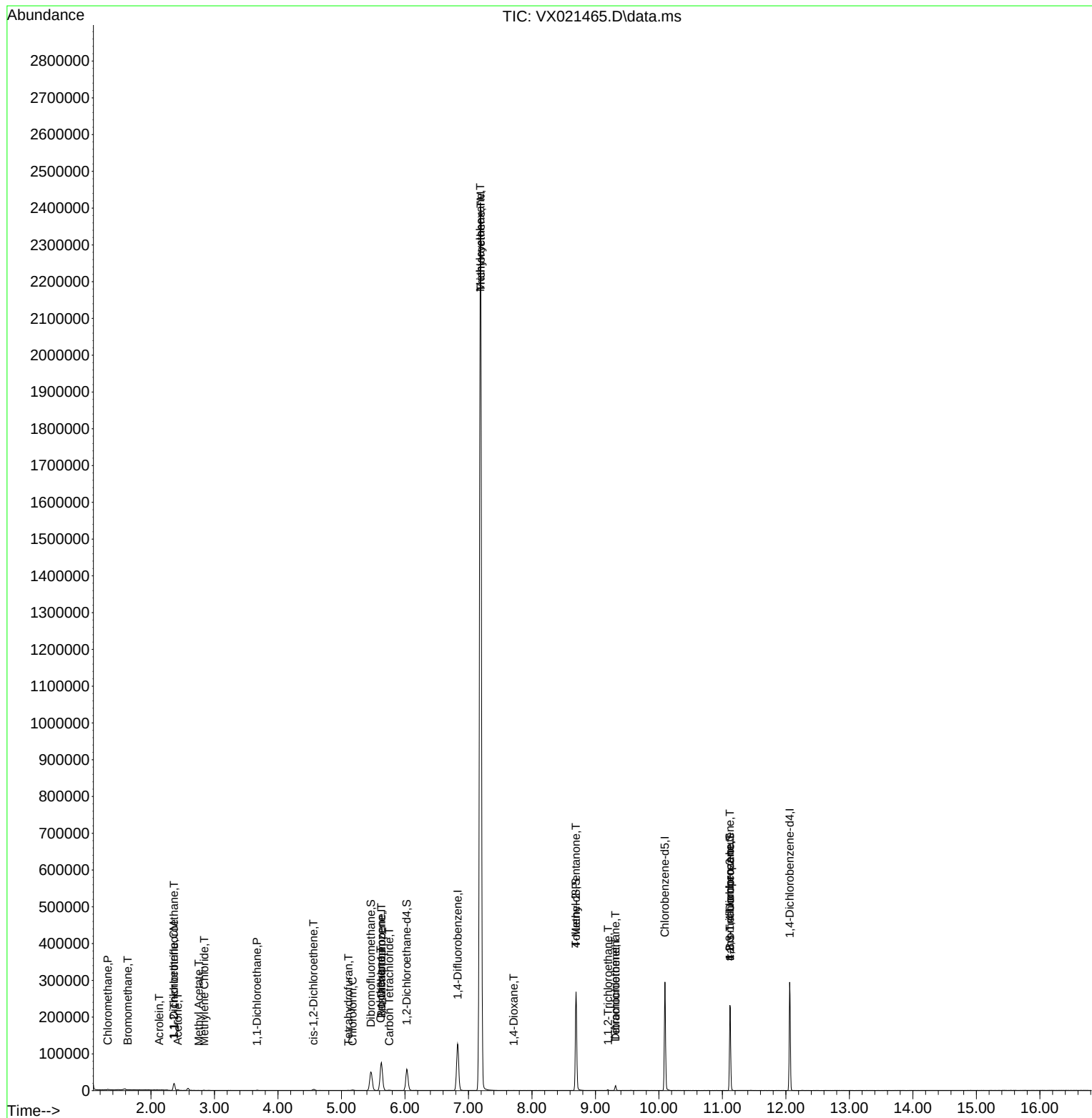
Internal Standards						
1) Pentafluorobenzene	5.629	168	63802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	117830	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	118437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	54735	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	55348	52.14	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.28%
35) Dibromofluoromethane	5.464	113	42324	50.57	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.14%
50) Toluene-d8	8.694	98	149639	50.17	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.34%
62) 4-Bromofluorobenzene	11.118	95	60233	51.94	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.88%
Target Compounds						
					Qvalue	
3) Chloromethane	1.317	50	1692	2.14	ug/l	96
5) Bromomethane	1.634	94	132	0.46	ug/l #	67
9) 1,1,2-Trichlorotrifluo...	2.364	101	6560	9.99	ug/l	96
12) 1,1-Dichloroethene	2.358	96	1006	1.56	ug/l	95
13) Acrolein	2.129	56	57	4.93	ug/l #	14
16) Acetone	2.423	43	1735	4.32	ug/l	100
18) Methyl Acetate	2.752	43	279	0.24	ug/l #	47
20) Methylene Chloride	2.840	84	280	0.36	ug/l #	74
24) 1,1-Dichloroethane	3.670	63	1064	0.78	ug/l #	81
27) cis-1,2-Dichloroethene	4.558	96	1581	1.93	ug/l	95
29) Tetrahydrofuran	5.111	42	271	0.69	ug/l #	32
30) Chloroform	5.176	83	1479	1.03	ug/l	99
31) Cyclohexane	5.617	56	1830	1.57	ug/l #	42
36) 1,1-Dichloropropene	5.629	75	6098	5.28	ug/l #	49
38) Carbon Tetrachloride	5.753	117	735	0.59	ug/l #	70
39) Methylcyclohexane	7.188	83	11459	8.95	ug/l #	1
44) Trichloroethene	7.194	130	846985	978.99	ug/l	98
49) 1,4-Dioxane	7.712	88	98	4.73	ug/l #	3
51) 4-Methyl-2-Pentanone	8.694	43	905	0.68	ug/l #	1
55) 1,1,2-Trichloroethane	9.200	97	425	0.50	ug/l	94
60) Dibromochloromethane	9.318	129	2213	2.31	ug/l #	11
64) Tetrachloroethene	9.318	164	2310	2.91	ug/l	94
76) 1,2,3-Trichloropropane	11.118	75	34765	27.28	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	34765	83.10	ug/l #	12

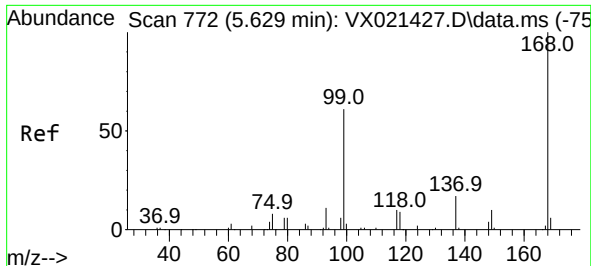
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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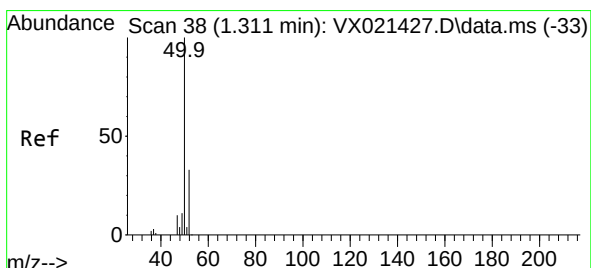
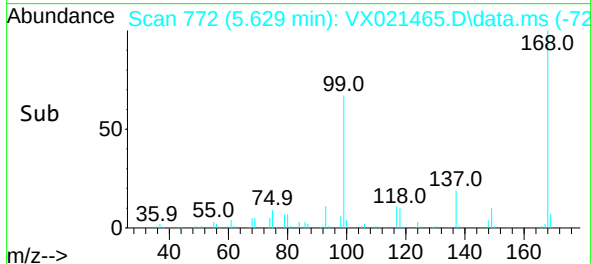
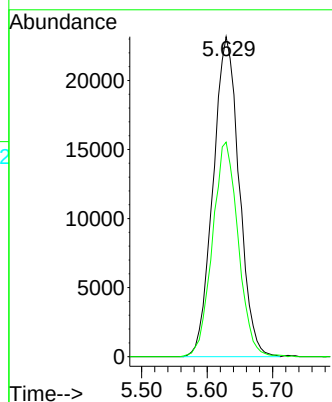
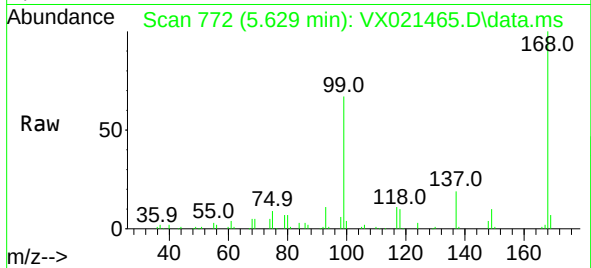




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021465.D
Acq: 25 Mar 2021 03:46

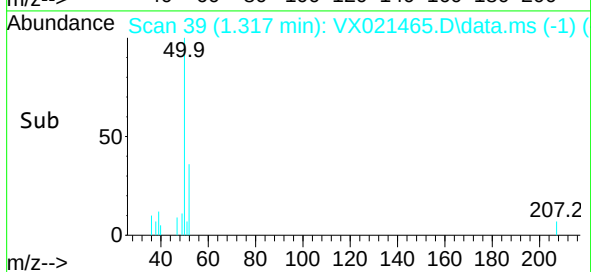
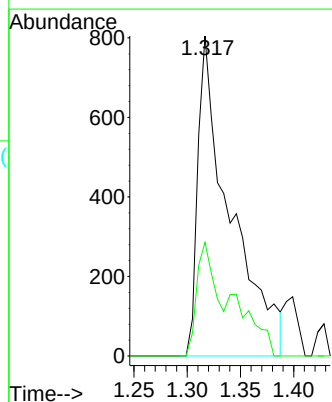
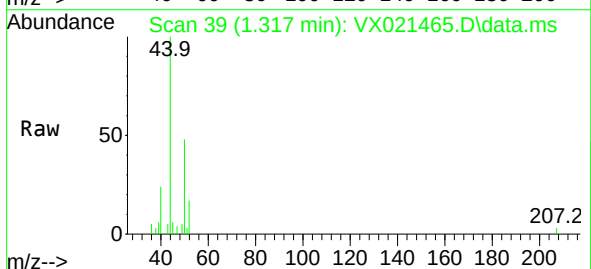
Instrument :
MSVOA_X
ClientSampled :

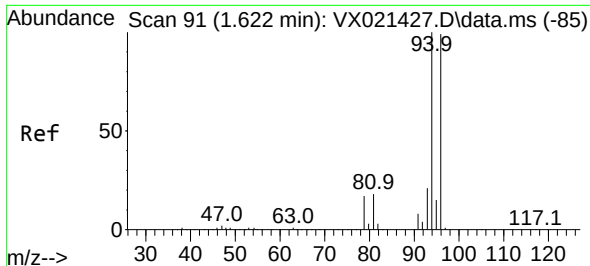
Tgt Ion:168 Resp: 63802
Ion Ratio Lower Upper
168 100
99 67.0 45.8 68.6



#3
Chloromethane
Concen: 2.14 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021465.D
Acq: 25 Mar 2021 03:46

Tgt Ion: 50 Resp: 1692
Ion Ratio Lower Upper
50 100
52 35.5 26.4 39.6

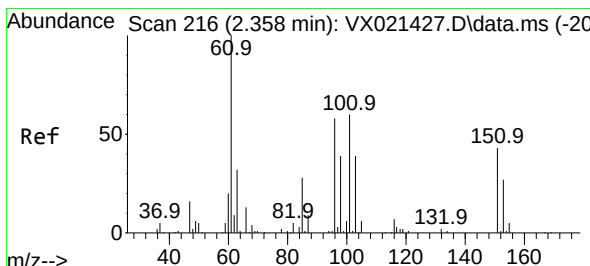
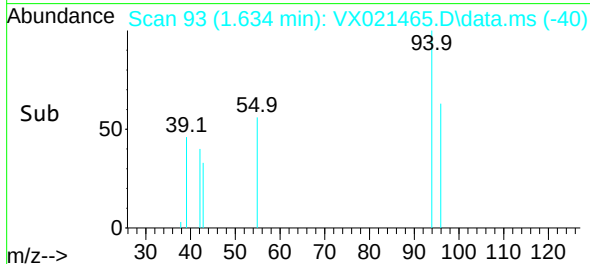
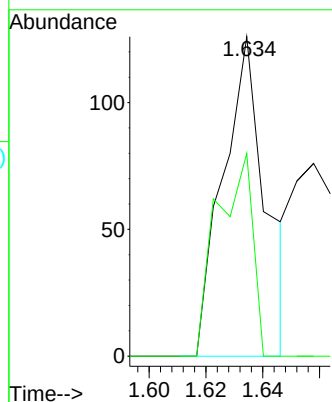
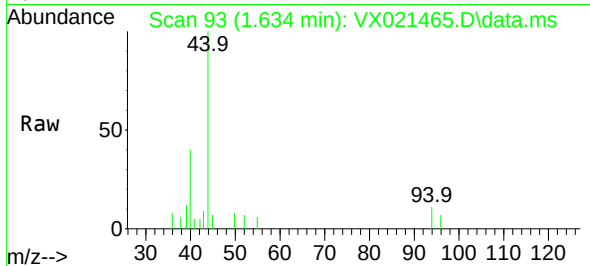




#5
Bromomethane
Concen: 0.46 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.012 min
Lab File: VX021465.D
Acq: 25 Mar 2021 03:46

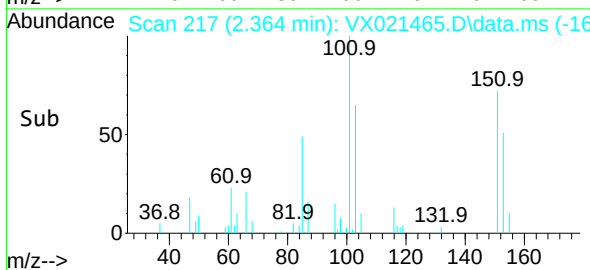
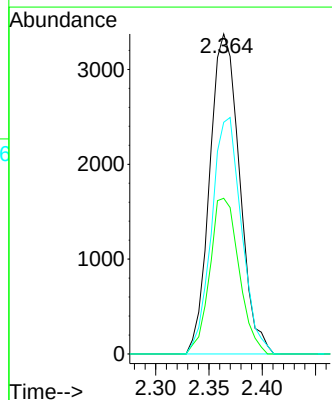
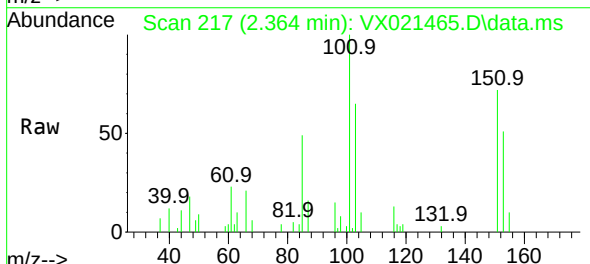
Instrument :
MSVOA_X
ClientSampled :

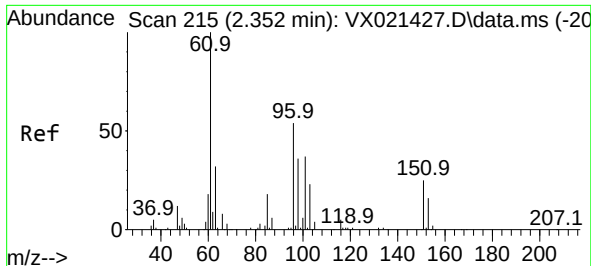
Tgt Ion: 94 Resp: 132
Ion Ratio Lower Upper
94 100
96 63.5 76.4 114.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.99 ug/l
RT: 2.364 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX021465.D
Acq: 25 Mar 2021 03:46

Tgt Ion: 101 Resp: 6560
Ion Ratio Lower Upper
101 100
85 47.8 34.9 52.3
151 74.1 61.4 92.2

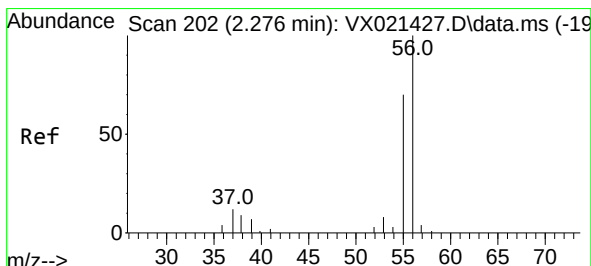
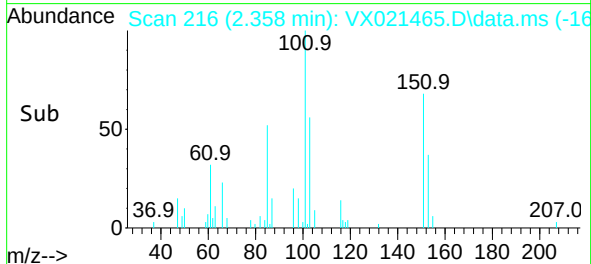
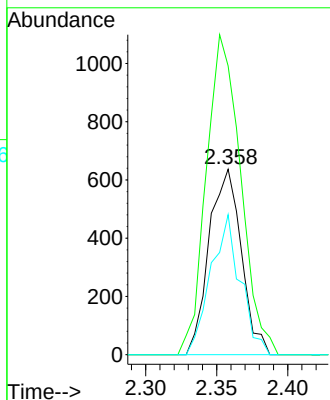
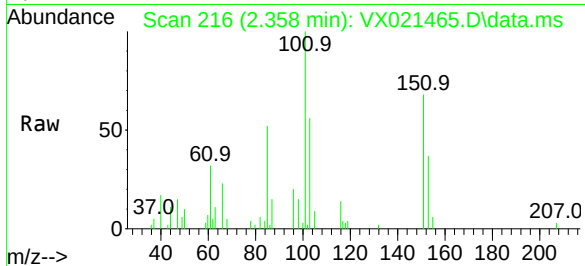




#12
1,1-Dichloroethene
Concen: 1.56 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021465.D
Acq: 25 Mar 2021 03:46

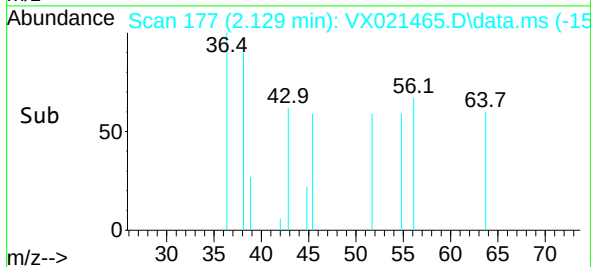
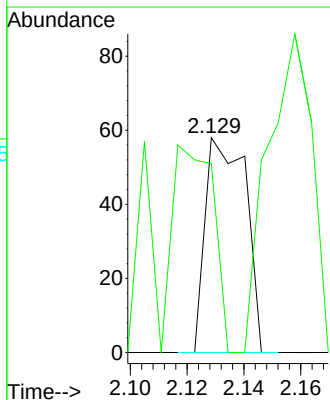
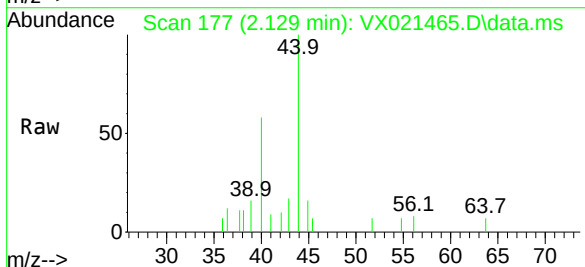
Instrument :
MSVOA_X
ClientSampleId :

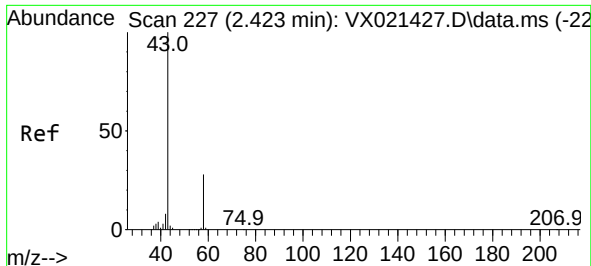
Tgt Ion: 96 Resp: 1006
Ion Ratio Lower Upper
96 100
61 155.7 124.6 187.0
98 75.5 50.6 76.0



#13
Acrolein
Concen: 4.93 ug/l
RT: 2.129 min Scan# 177
Delta R.T. -0.147 min
Lab File: VX021465.D
Acq: 25 Mar 2021 03:46

Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

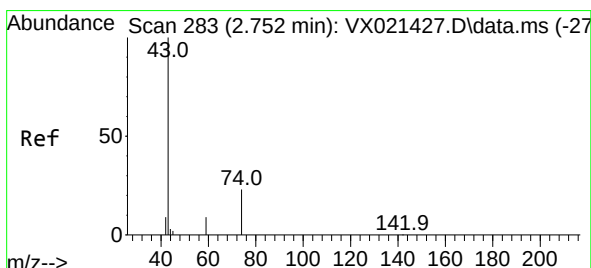
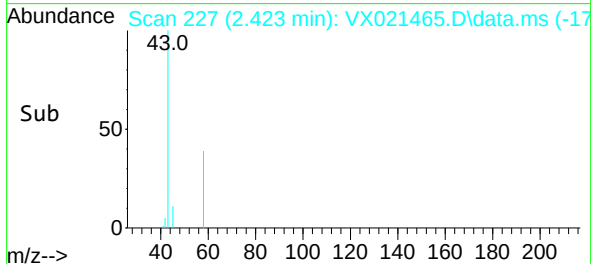
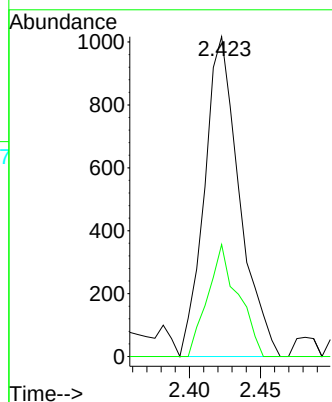
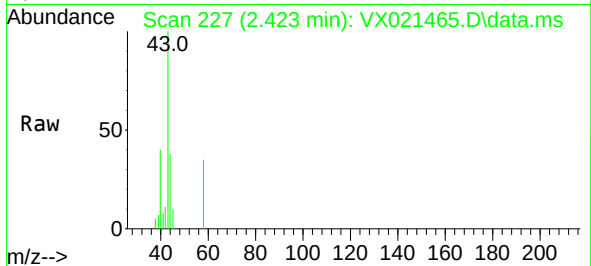




#16
Acetone
Concen: 4.32 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021465.D
Acq: 25 Mar 2021 03:46

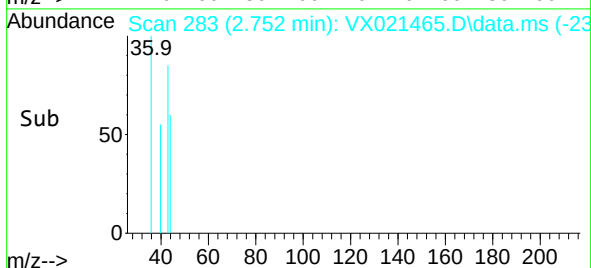
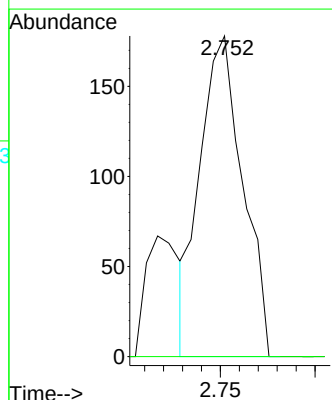
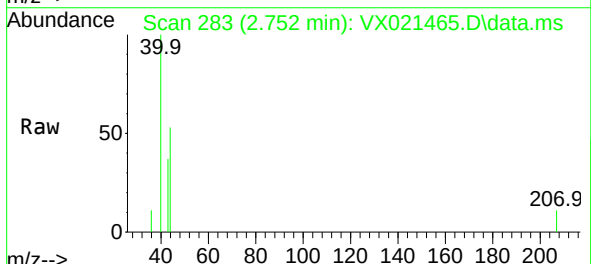
Instrument :
MSVOA_X
ClientSampleId :

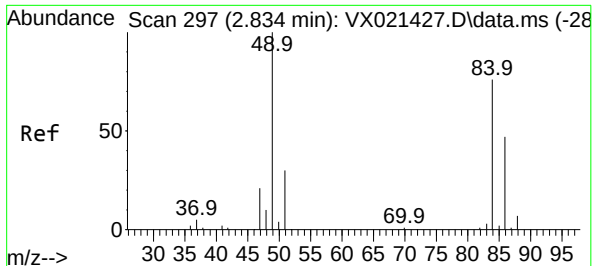
Tgt Ion: 43 Resp: 1735
Ion Ratio Lower Upper
43 100
58 35.0 27.8 41.8



#18
Methyl Acetate
Concen: 0.24 ug/l
RT: 2.752 min Scan# 283
Delta R.T. 0.000 min
Lab File: VX021465.D
Acq: 25 Mar 2021 03:46

Tgt Ion: 43 Resp: 279
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.36 ug/l

RT: 2.840 min Scan# 298

Delta R.T. 0.006 min

Lab File: VX021465.D

Acq: 25 Mar 2021 03:46

Tgt Ion: 84 Resp: 280

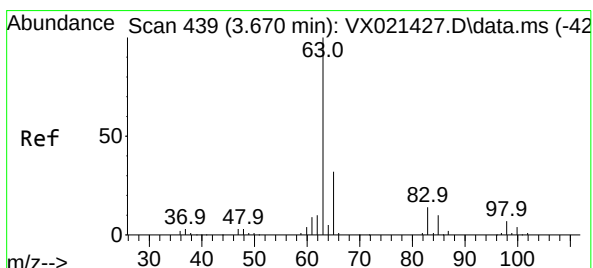
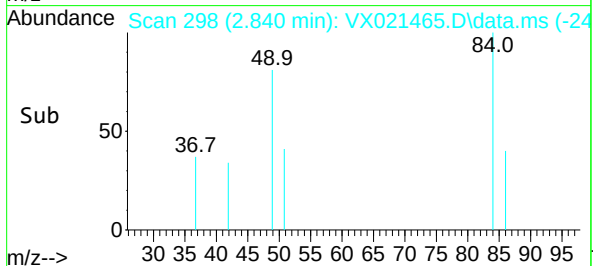
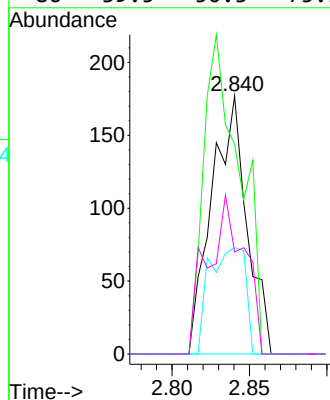
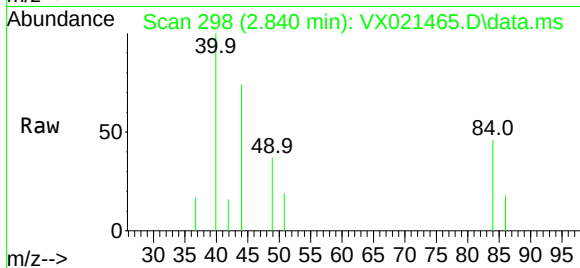
Ion Ratio Lower Upper

84 100

49 81.4 88.6 132.8#

51 41.2 27.0 40.6#

86 39.5 50.3 75.5#



#24

1,1-Dichloroethane

Concen: 0.78 ug/l

RT: 3.670 min Scan# 439

Delta R.T. -0.000 min

Lab File: VX021465.D

Acq: 25 Mar 2021 03:46

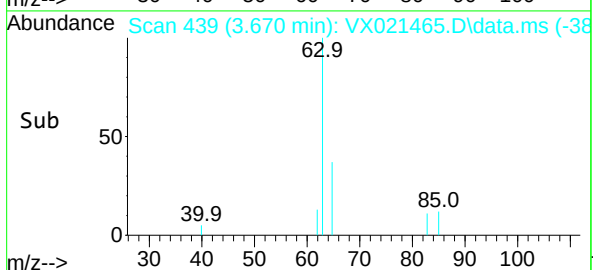
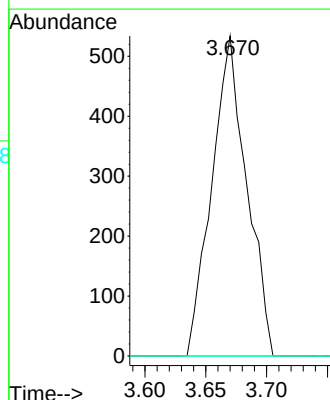
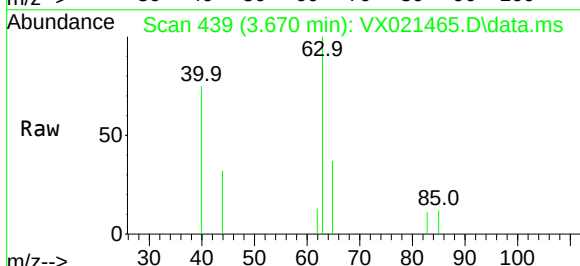
Tgt Ion: 63 Resp: 1064

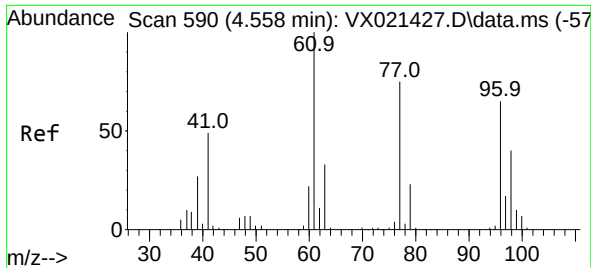
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 1.93 ug/l

RT: 4.558 min Scan# 590

Delta R.T. 0.000 min

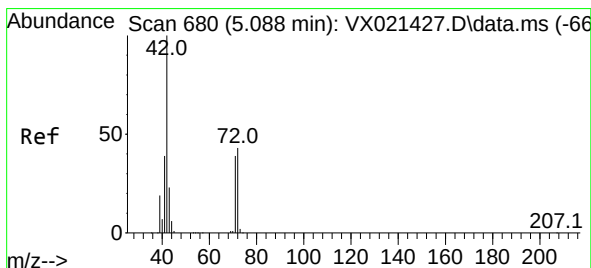
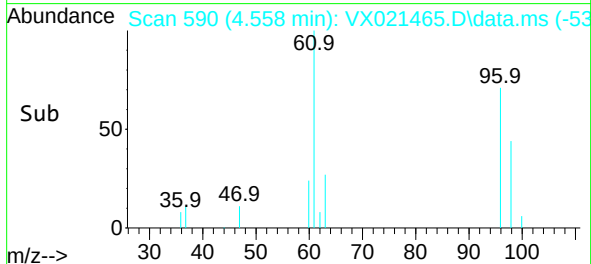
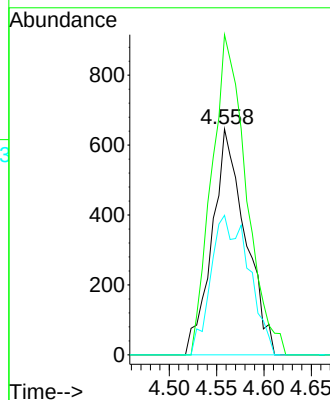
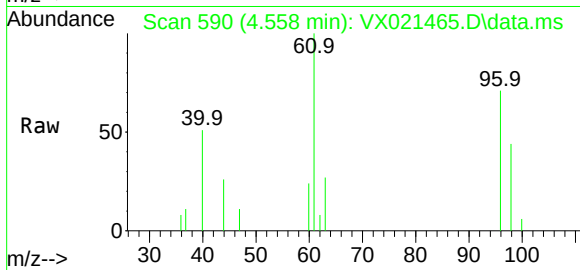
Lab File: VX021465.D

Acq: 25 Mar 2021 03:46

Tgt Ion: 96 Resp: 1581

Ion	Ratio	Lower	Upper
96	100		
61	147.1	0.0	285.6
98	70.3	0.0	129.6

Instrument :
MSVOA_X
ClientSampled :



#29

Tetrahydrofuran

Concen: 0.69 ug/l

RT: 5.111 min Scan# 684

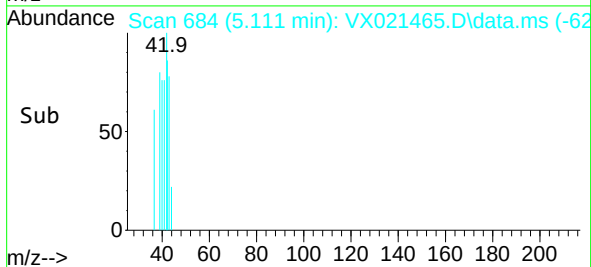
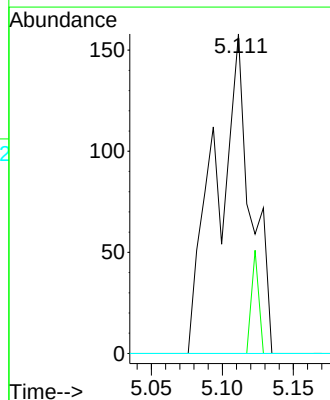
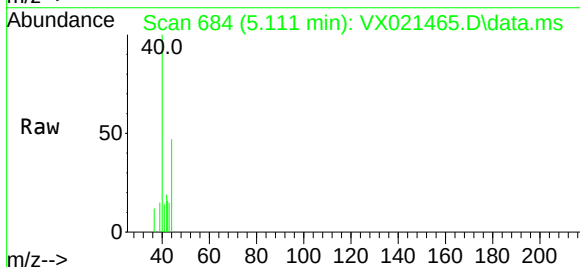
Delta R.T. 0.023 min

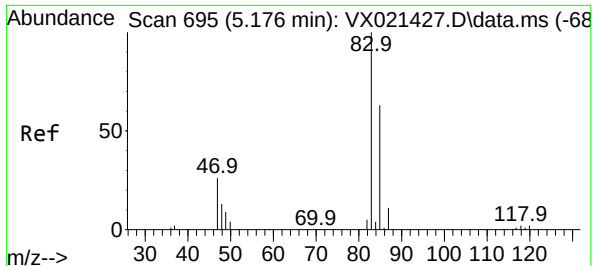
Lab File: VX021465.D

Acq: 25 Mar 2021 03:46

Tgt Ion: 42 Resp: 271

Ion	Ratio	Lower	Upper
42	100		
72	6.6	41.7	62.5#
71	0.0	38.4	57.6#





#30

Chloroform

Concen: 1.03 ug/l

RT: 5.176 min Scan# 695

Delta R.T. -0.000 min

Lab File: VX021465.D

Acq: 25 Mar 2021 03:46

Tgt Ion: 83 Resp: 1479

Ion Ratio Lower Upper

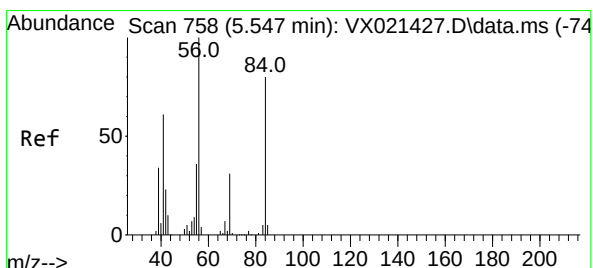
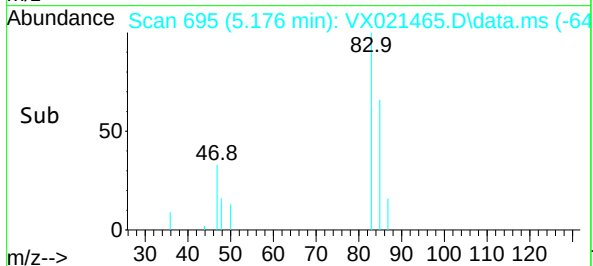
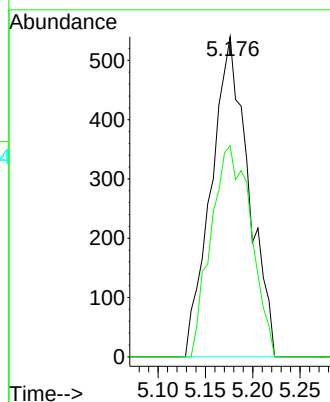
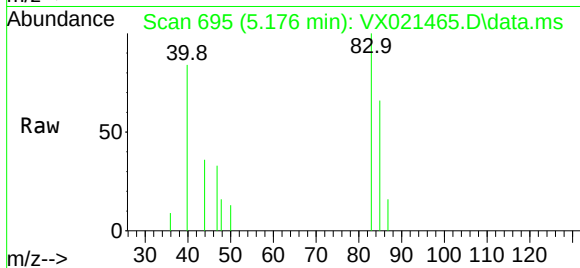
83 100

85 65.9 52.0 78.0

Instrument :

MSVOA_X

ClientSampled :



#31

Cyclohexane

Concen: 1.57 ug/l

RT: 5.617 min Scan# 770

Delta R.T. 0.070 min

Lab File: VX021465.D

Acq: 25 Mar 2021 03:46

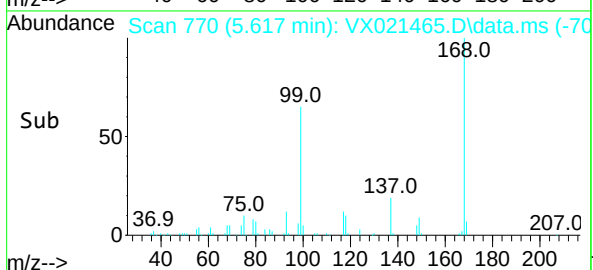
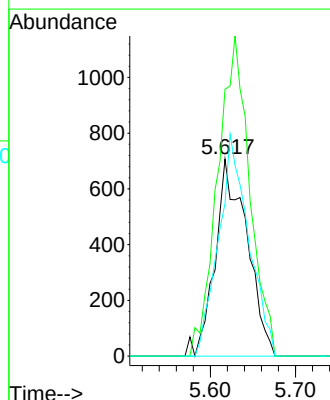
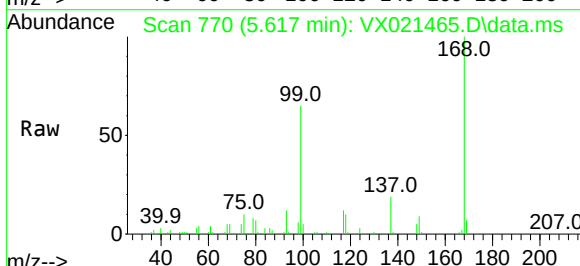
Tgt Ion: 56 Resp: 1830

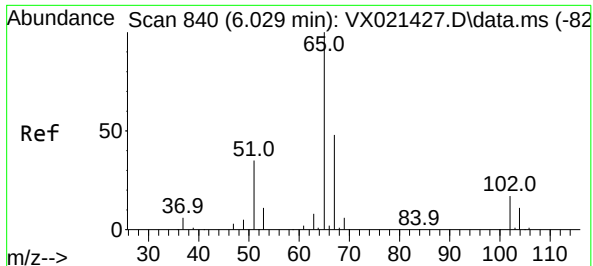
Ion Ratio Lower Upper

56 100

69 135.5 25.3 37.9#

84 77.5 71.4 107.0





#33

1,2-Dichloroethane-d4

Concen: 52.14 ug/l

RT: 6.029 min Scan# 840

Delta R.T. 0.000 min

Lab File: VX021465.D

Acq: 25 Mar 2021 03:46

Tgt Ion: 65 Resp: 55348

Ion Ratio Lower Upper

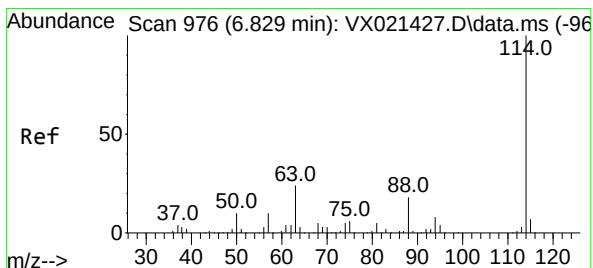
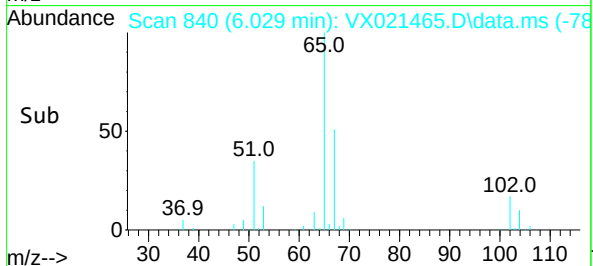
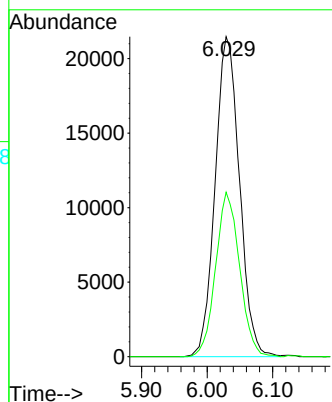
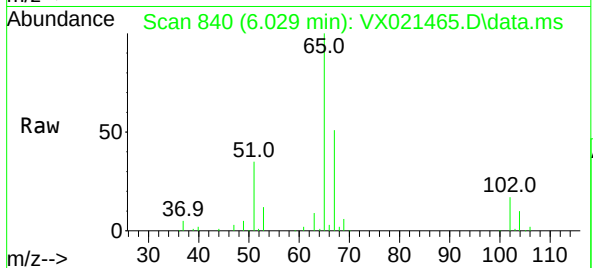
65 100

67 50.5 0.0 105.4

Instrument :

MSVOA_X

ClientSampled :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. 0.000 min

Lab File: VX021465.D

Acq: 25 Mar 2021 03:46

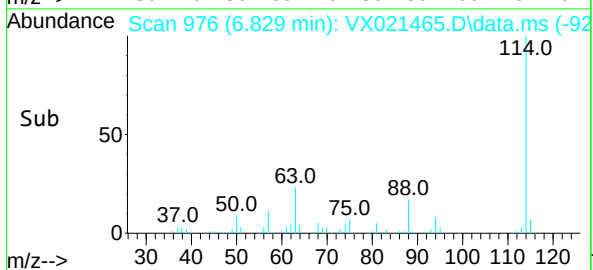
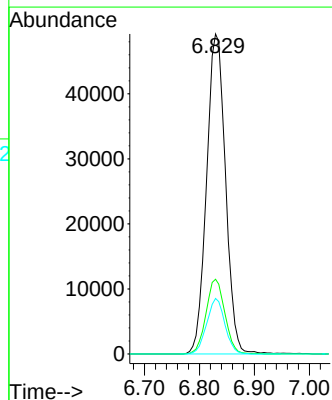
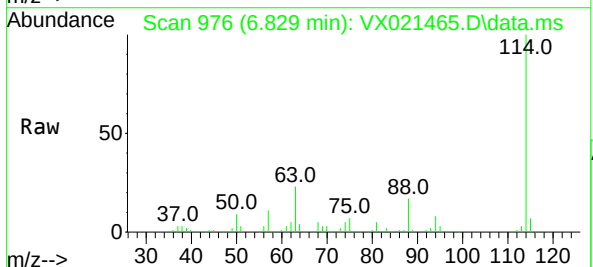
Tgt Ion: 114 Resp: 117830

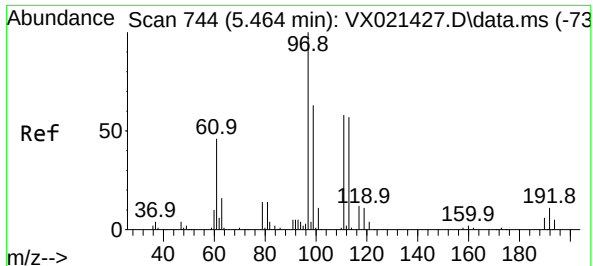
Ion Ratio Lower Upper

114 100

63 23.4 0.0 40.8

88 17.4 0.0 32.8

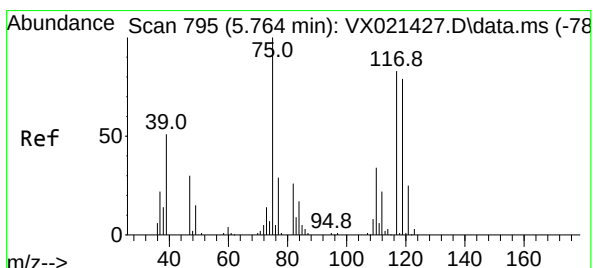
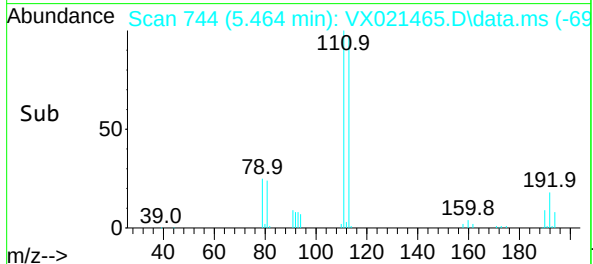
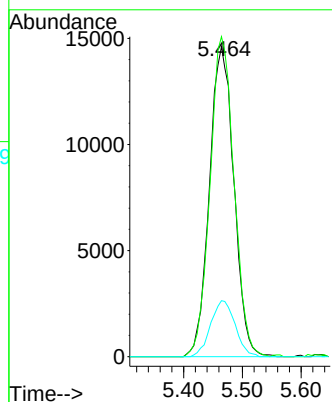
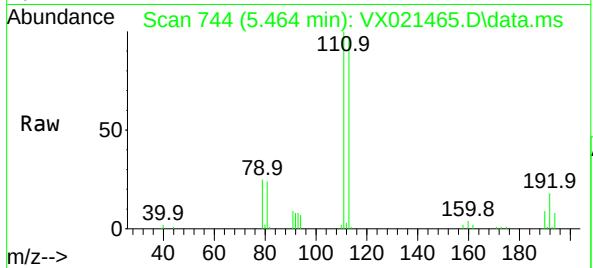




#35
Dibromofluoromethane
Concen: 50.57 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021465.D
Acq: 25 Mar 2021 03:46

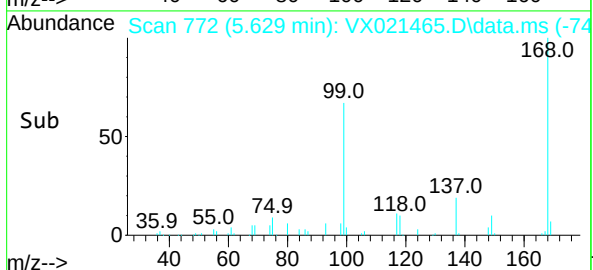
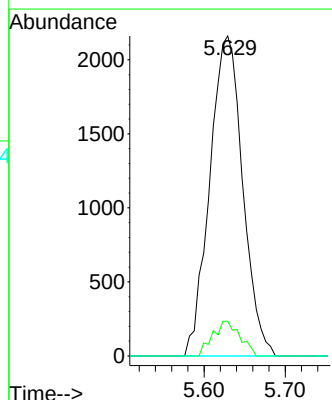
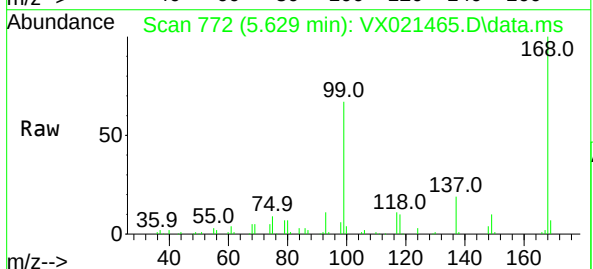
Instrument :
MSVOA_X
ClientSampled :

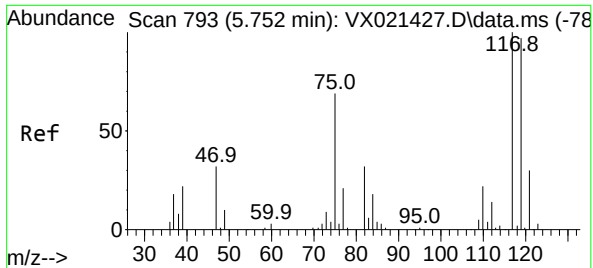
Tgt Ion:113 Resp: 42324
Ion Ratio Lower Upper
113 100
111 101.2 81.9 122.9
192 18.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.28 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.135 min
Lab File: VX021465.D
Acq: 25 Mar 2021 03:46

Tgt Ion: 75 Resp: 6098
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.4#
77 0.0 25.3 37.9#

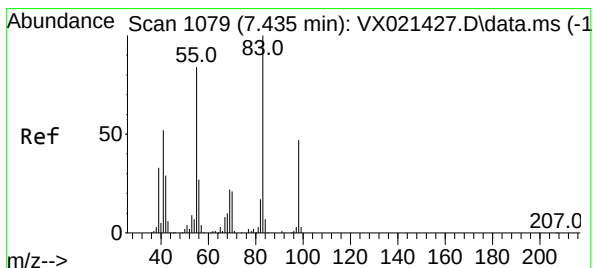
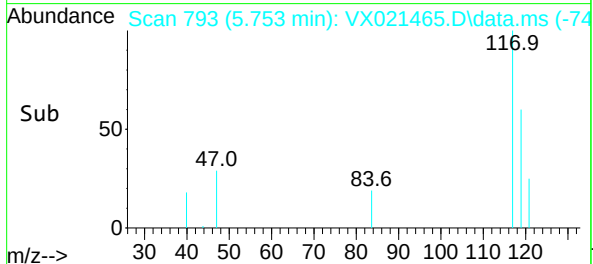
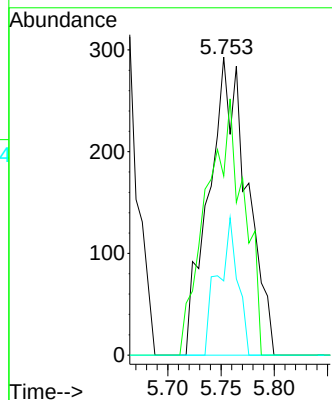
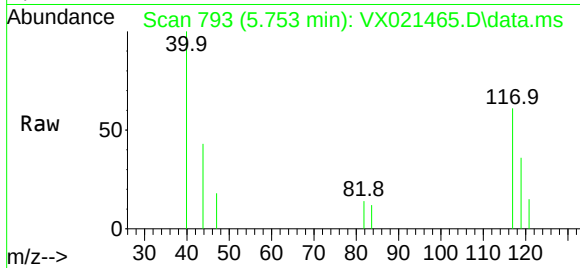




#38
Carbon Tetrachloride
Concen: 0.59 ug/l
RT: 5.753 min Scan# 793
Delta R.T. 0.001 min
Lab File: VX021465.D
Acq: 25 Mar 2021 03:46

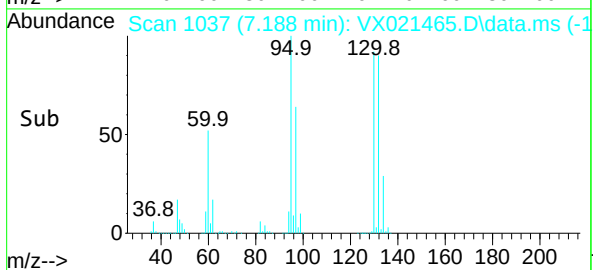
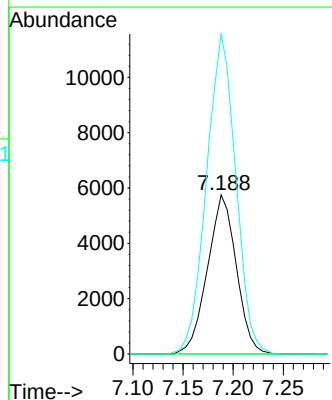
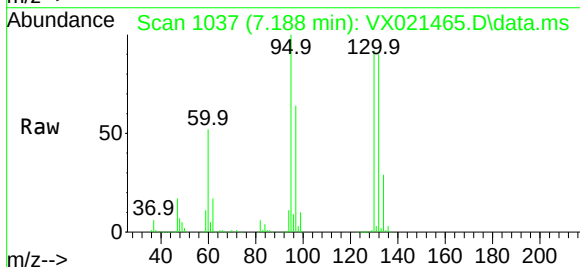
Instrument :
MSVOA_X
ClientSampled :

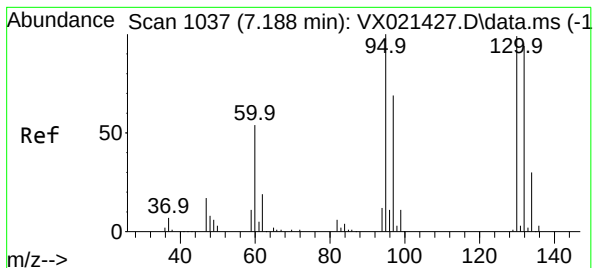
Tgt Ion:117 Resp: 735
Ion Ratio Lower Upper
117 100
119 60.1 76.2 114.2#
121 24.9 24.8 37.2



#39
Methylcyclohexane
Concen: 8.95 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.247 min
Lab File: VX021465.D
Acq: 25 Mar 2021 03:46

Tgt Ion: 83 Resp: 11459
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 199.1 38.1 57.1#





#44

Trichloroethene

Concen: 978.99 ug/l

RT: 7.194 min Scan# 1038

Delta R.T. 0.006 min

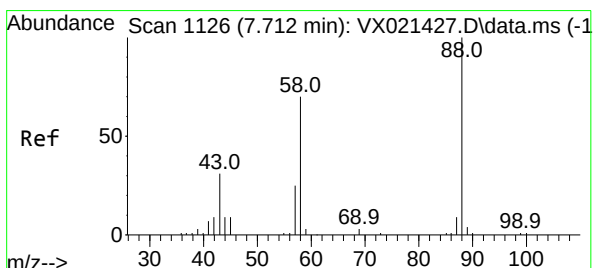
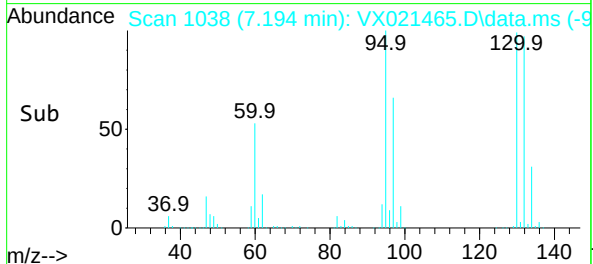
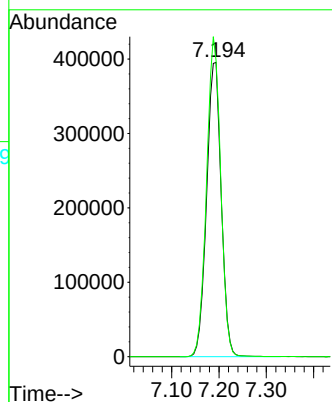
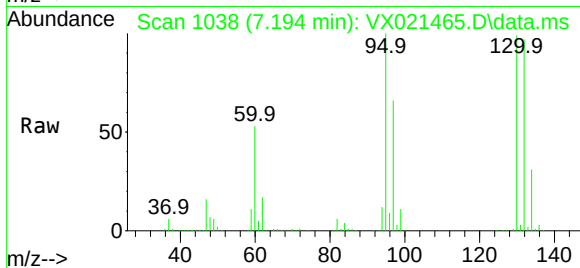
Lab File: VX021465.D

Acq: 25 Mar 2021 03:46

Tgt Ion:130 Resp: 846985

Ion Ratio Lower Upper

130	100		
95	100.7	0.0	198.0



#49

1,4-Dioxane

Concen: 4.73 ug/l

RT: 7.712 min Scan# 1126

Delta R.T. -0.000 min

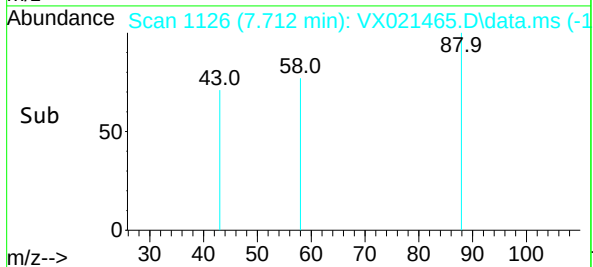
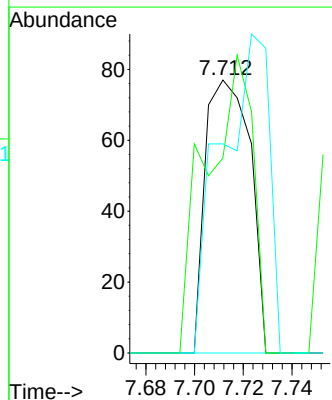
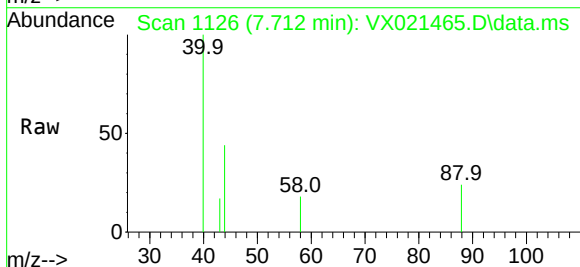
Lab File: VX021465.D

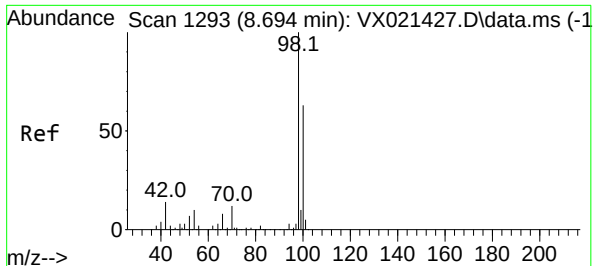
Acq: 25 Mar 2021 03:46

Tgt Ion: 88 Resp: 98

Ion Ratio Lower Upper

88	100		
43	114.3	23.2	34.8#
58	126.5	55.0	82.4#





#50

Toluene-d8

Concen: 50.17 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. 0.000 min

Lab File: VX021465.D

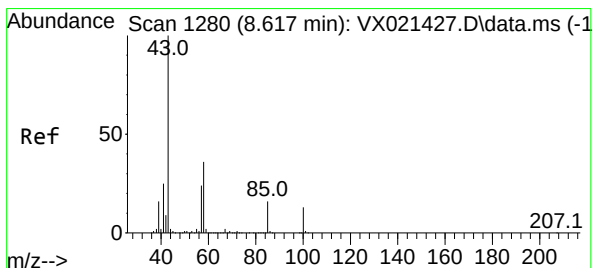
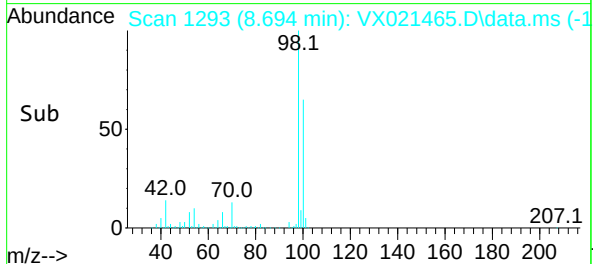
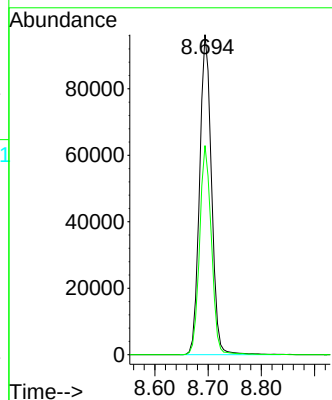
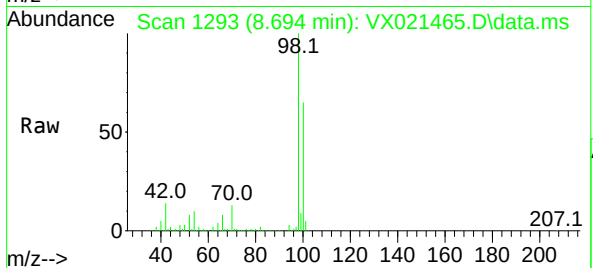
Acq: 25 Mar 2021 03:46

Tgt Ion: 98 Resp: 149639

Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.68 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. 0.077 min

Lab File: VX021465.D

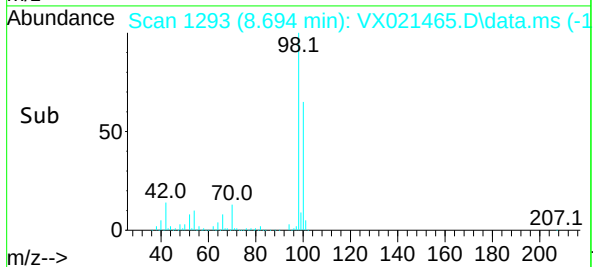
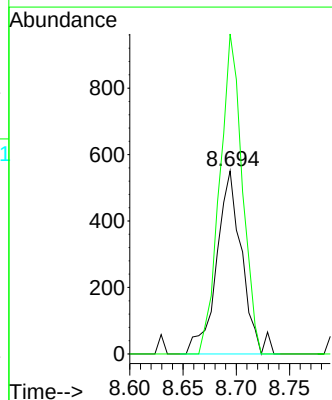
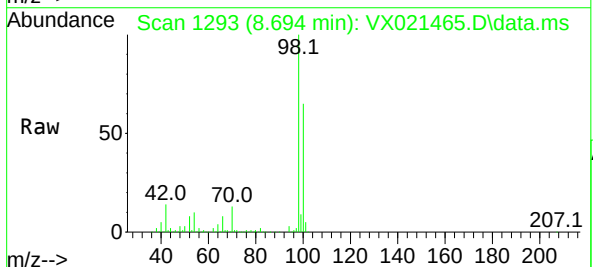
Acq: 25 Mar 2021 03:46

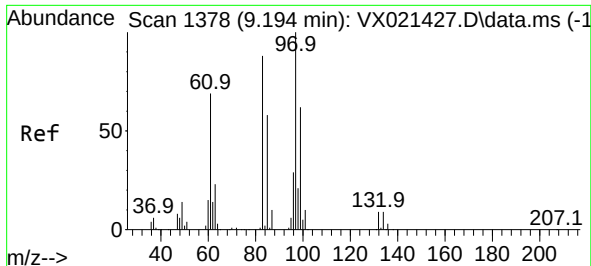
Tgt Ion: 43 Resp: 905

Ion Ratio Lower Upper

43 100

58 157.1 35.4 53.0#

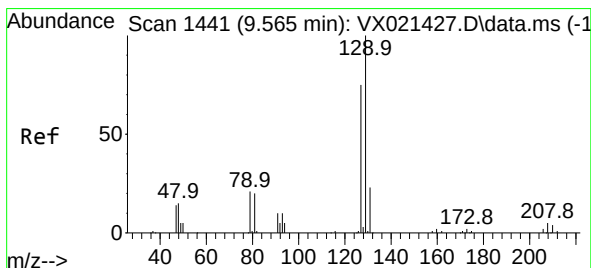
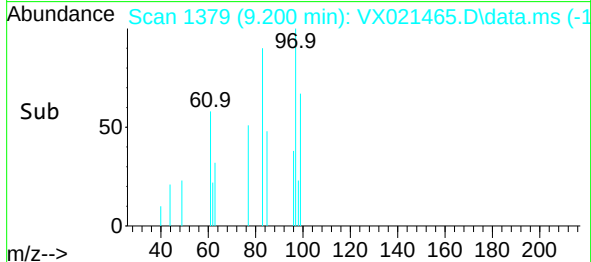
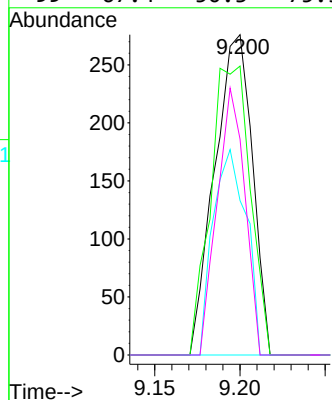
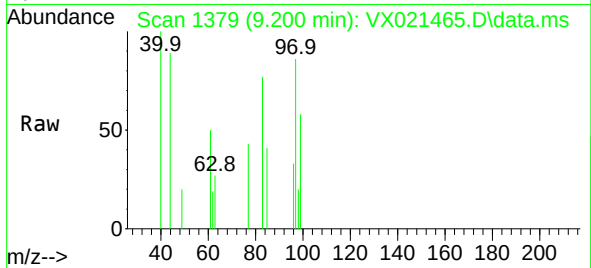




#55
1,1,2-Trichloroethane
Concen: 0.50 ug/l
RT: 9.200 min Scan# 1379
Delta R.T. 0.006 min
Lab File: VX021465.D
Acq: 25 Mar 2021 03:46

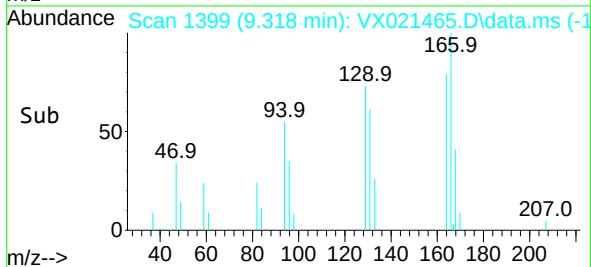
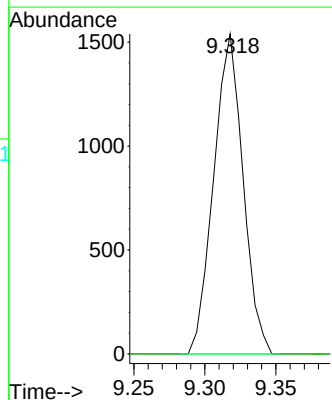
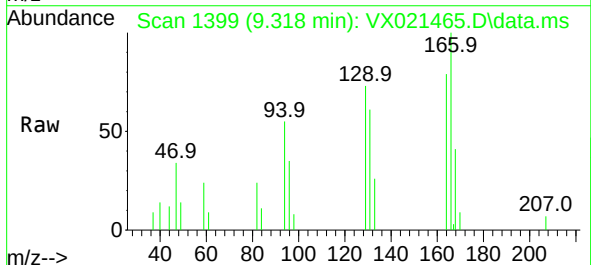
Instrument :
MSVOA_X
ClientSampled :

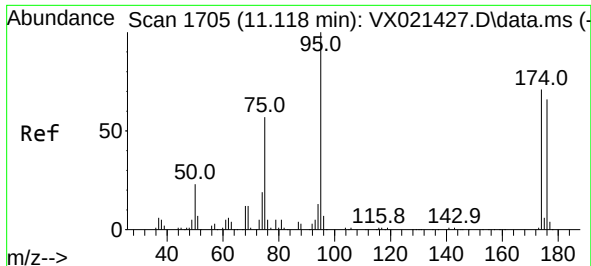
Tgt Ion: 97	Resp:	425	
Ion	Ratio	Lower	Upper
97	100		
83	90.2	69.3	103.9
85	48.2	44.3	66.5
99	67.4	50.3	75.5



#60
Dibromochloromethane
Concen: 2.31 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021465.D
Acq: 25 Mar 2021 03:46

Tgt Ion:129	Resp:	2213	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#

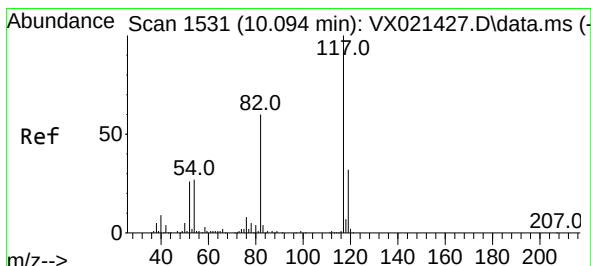
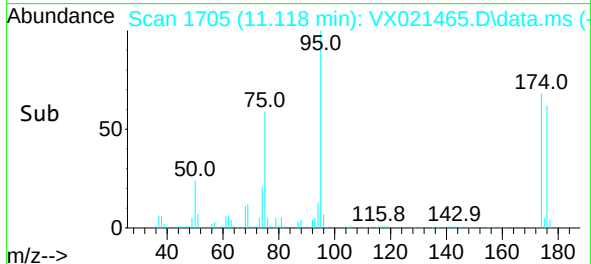
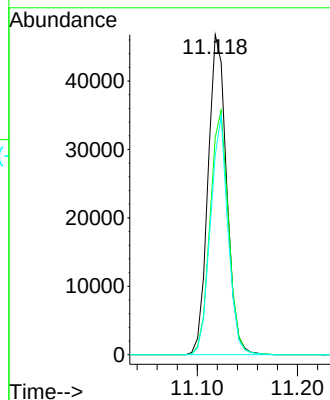
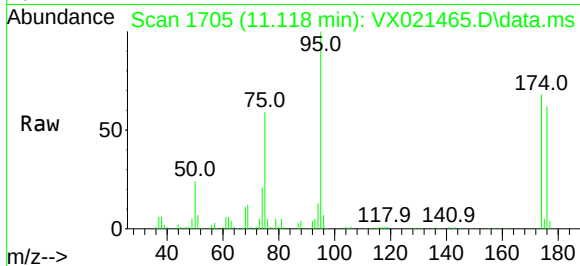




#62
4-Bromofluorobenzene
Concen: 51.94 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021465.D
Acq: 25 Mar 2021 03:46

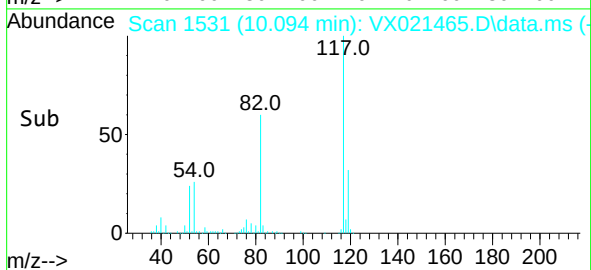
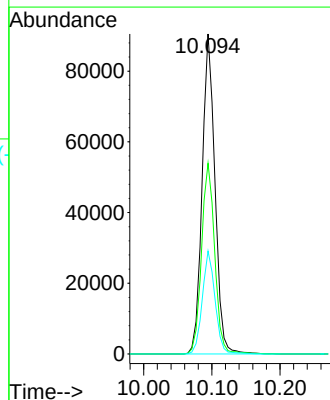
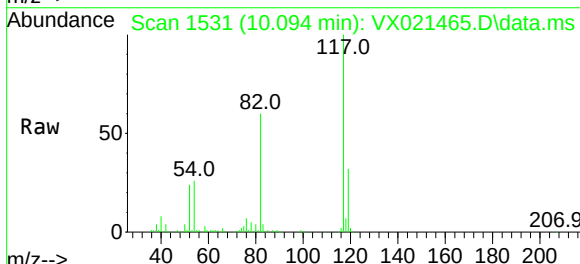
Instrument :
MSVOA_X
ClientSampleId :

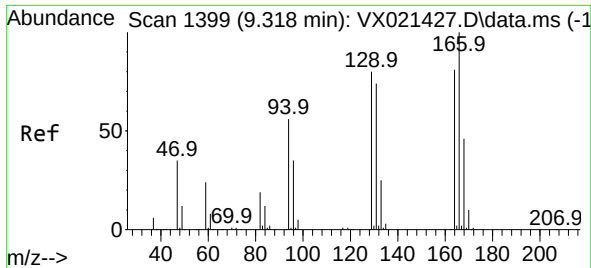
Tgt Ion: 95 Resp: 60233
Ion Ratio Lower Upper
95 100
174 75.6 0.0 154.6
176 70.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021465.D
Acq: 25 Mar 2021 03:46

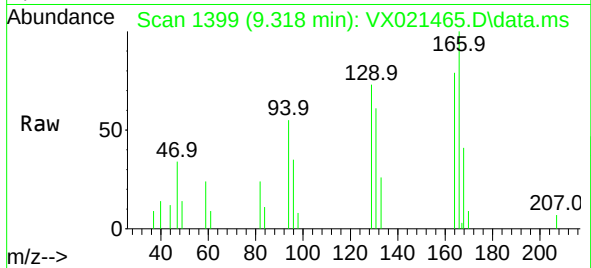
Tgt Ion: 117 Resp: 118437
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.2
119 32.2 26.6 39.8



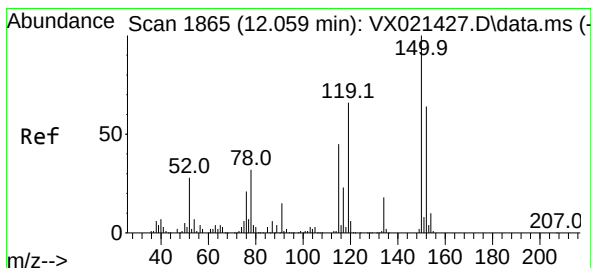
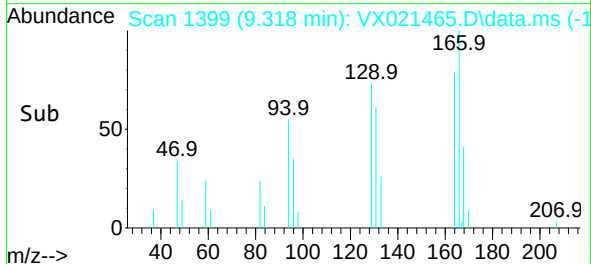
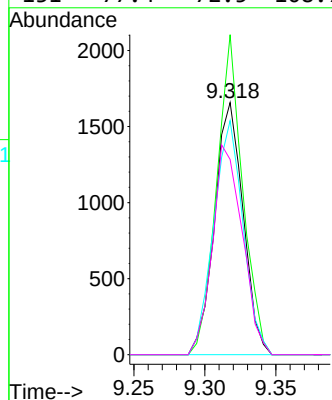


#64
Tetrachloroethene
Concen: 2.91 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021465.D
Acq: 25 Mar 2021 03:46

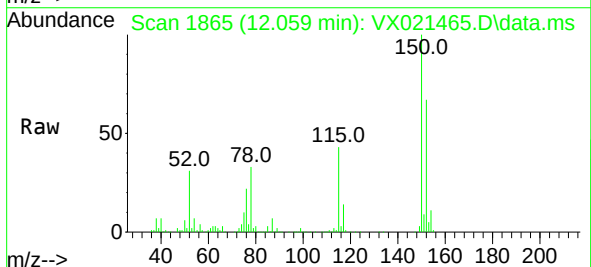
Instrument :
MSVOA_X
ClientSampled :



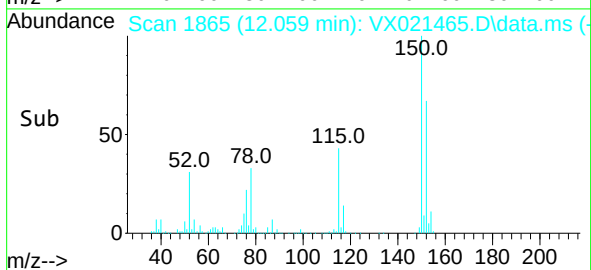
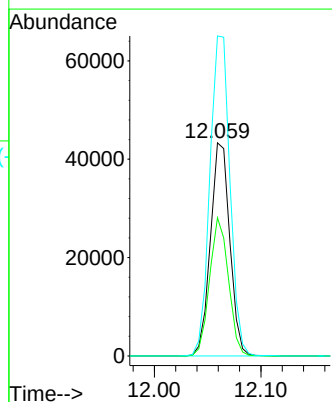
Tgt Ion:164 Resp: 2310
Ion Ratio Lower Upper
164 100
166 126.9 103.4 155.2
129 92.8 70.8 106.2
131 77.4 72.5 108.7

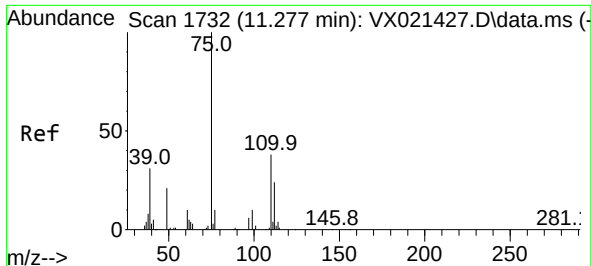


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021465.D
Acq: 25 Mar 2021 03:46



Tgt Ion:152 Resp: 54735
Ion Ratio Lower Upper
152 100
115 63.0 41.1 123.3
150 155.4 0.0 349.0

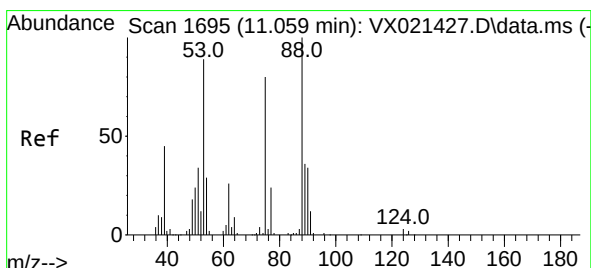
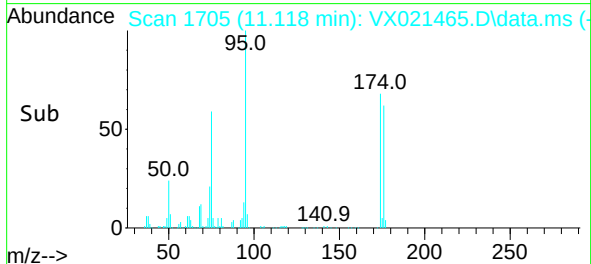
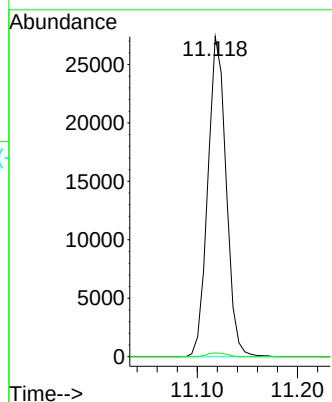
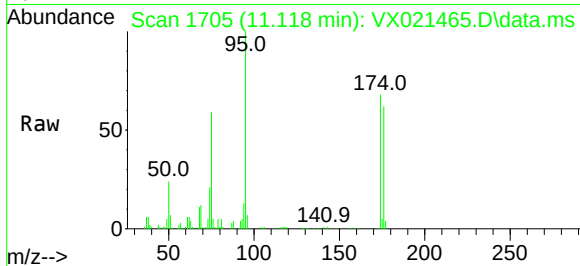




#76
1,2,3-Trichloropropane
Concen: 27.28 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021465.D
Acq: 25 Mar 2021 03:46

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 34765
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.10 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021465.D
Acq: 25 Mar 2021 03:46

Tgt Ion: 75 Resp: 34765
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

