

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032121\
 Data File : VX021328.D
 Acq On : 20 Mar 2021 05:53
 Operator : JC/MD
 Sample : M1735-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 20 07:56:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

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

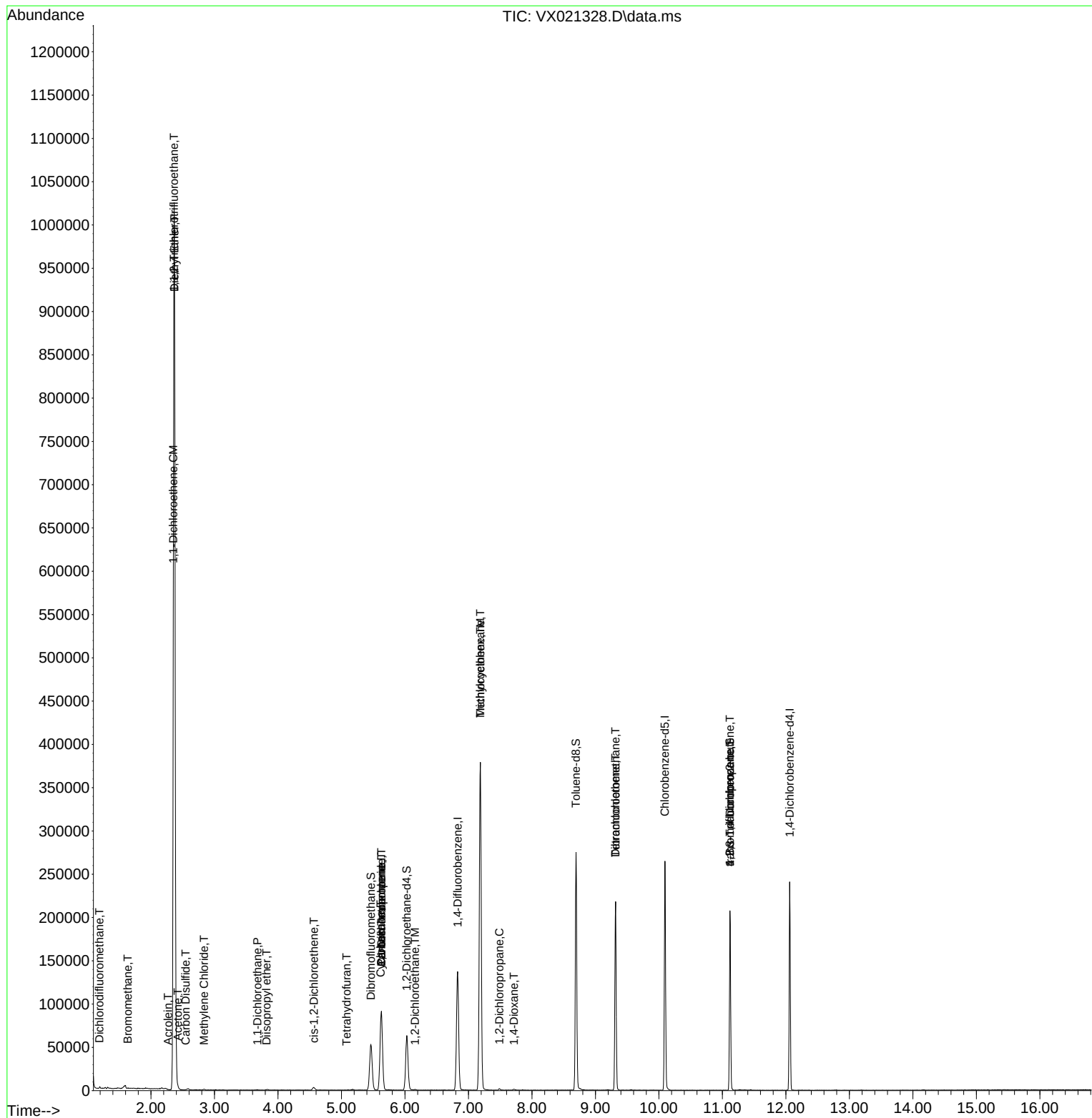
Internal Standards						
1) Pentafluorobenzene	5.629	168	77347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	128806	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	107095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	44836	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	61205	48.25	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.50%
35) Dibromofluoromethane	5.464	113	43925	50.11	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.22%
50) Toluene-d8	8.694	98	152729	48.03	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.06%
62) 4-Bromofluorobenzene	11.118	95	53623	43.42	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.84%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.187	85	321	0.35	ug/l	94
3) Chloromethane	1.316	50	1785	Below	Cal	91
5) Bromomethane	1.634	94	129	0.31	ug/l #	45
8) Diethyl Ether	2.370	74	382	0.77	ug/l #	5
9) 1,1,2-Trichlorotrifluo...	2.364	101	399097	493.73	ug/l	94
12) 1,1-Dichloroethene	2.352	96	3205	4.06	ug/l #	86
13) Acrolein	2.270	56	20	3.28	ug/l #	14
16) Acetone	2.423	43	1329	2.85	ug/l	88
17) Carbon Disulfide	2.546	76	201	0.62	ug/l #	75
20) Methylene Chloride	2.834	84	339	0.35	ug/l #	80
22) Diisopropyl ether	3.817	45	650	0.21	ug/l #	74
24) 1,1-Dichloroethane	3.676	63	635	0.38	ug/l #	81
27) cis-1,2-Dichloroethene	4.564	96	1888	1.87	ug/l	93
29) Tetrahydrofuran	5.082	42	99	0.21	ug/l #	27
31) Cyclohexane	5.617	56	2179	1.42	ug/l #	39
36) 1,1-Dichloropropene	5.629	75	7117	5.48	ug/l #	49
38) Carbon Tetrachloride	5.629	117	8797	6.53	ug/l #	18
39) Methylcyclohexane	7.188	83	1778	1.23	ug/l #	1
42) 1,2-Dichloroethane	6.158	62	614	0.40	ug/l #	73
44) Trichloroethene	7.188	130	129850	136.68	ug/l	90
45) 1,2-Dichloropropane	7.488	63	568	0.59	ug/l #	55
49) 1,4-Dioxane	7.717	88	746	22.54	ug/l #	85
60) Dibromochloromethane	9.318	129	37374	36.27	ug/l #	11
64) Tetrachloroethene	9.318	164	37174	46.48	ug/l	93
76) 1,2,3-Trichloropropane	11.118	75	30272	29.11	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.118	75	30272	79.02	ug/l #	12

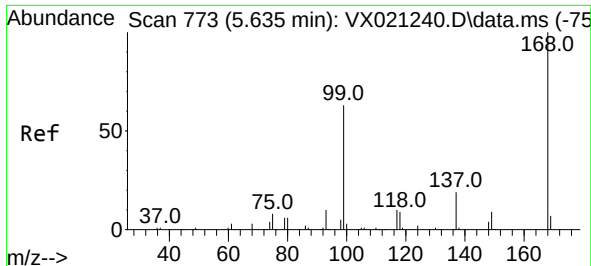
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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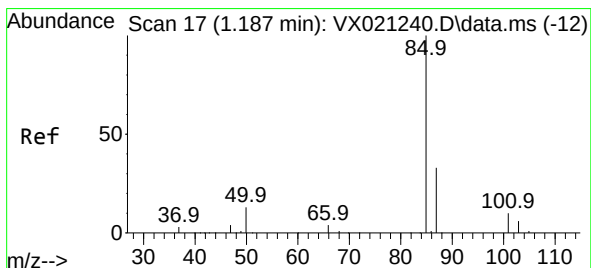
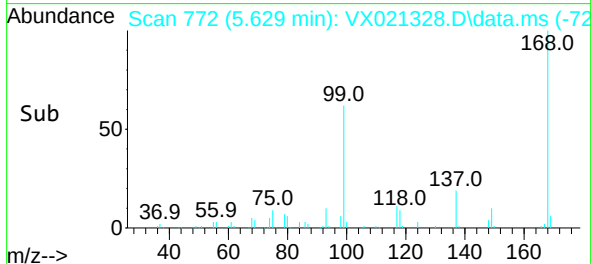
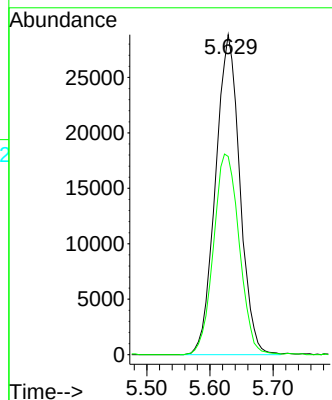
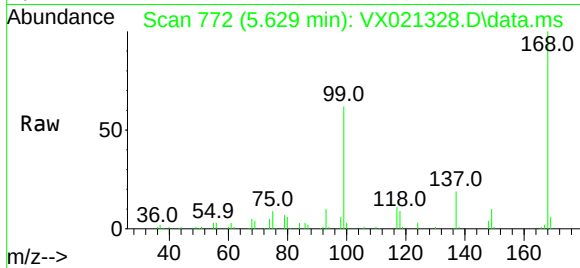




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

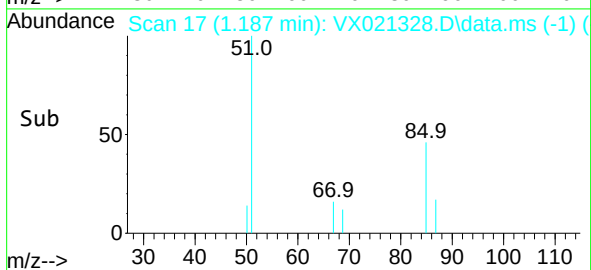
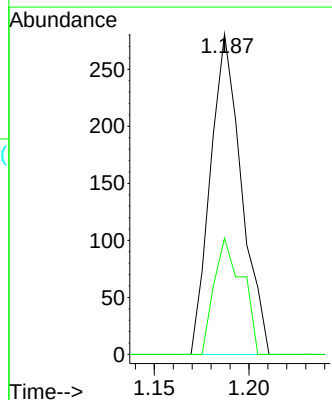
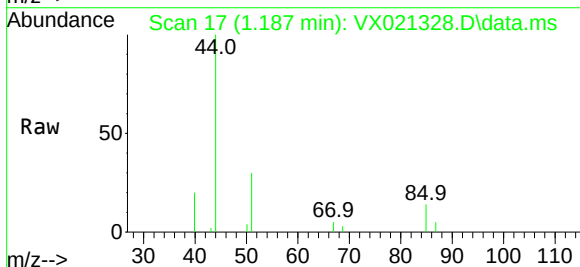
Instrument :
MSVOA_X
ClientSampleId :

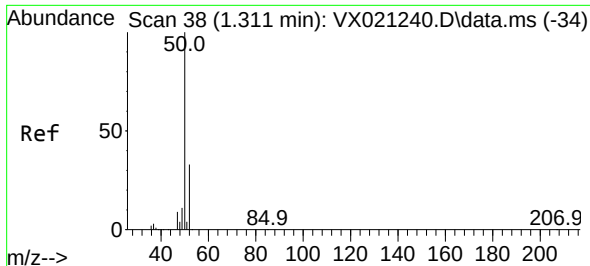
Tgt Ion:168 Resp: 77347
Ion Ratio Lower Upper
168 100
99 61.9 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.35 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

Tgt Ion: 85 Resp: 321
Ion Ratio Lower Upper
85 100
87 36.3 16.4 49.2

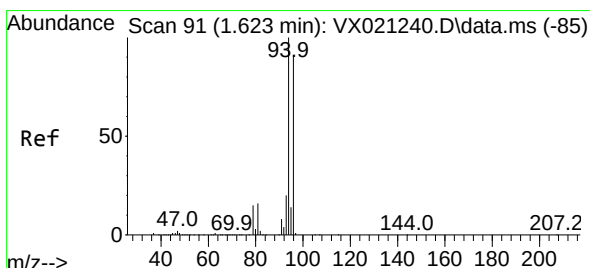
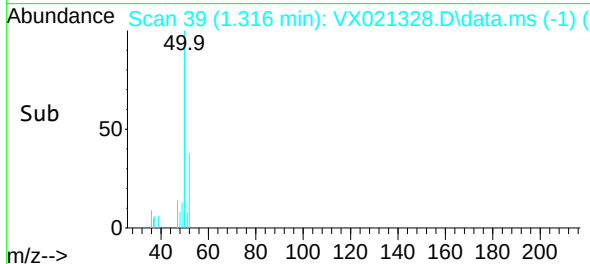
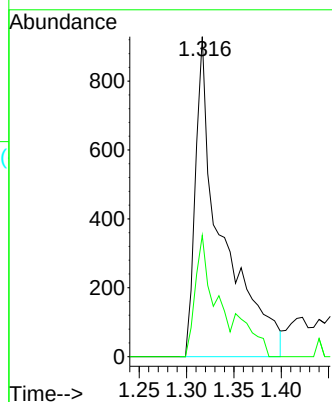
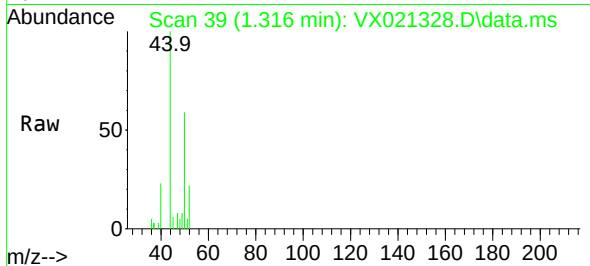




#3
Chloromethane
Concen: Below Cal
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

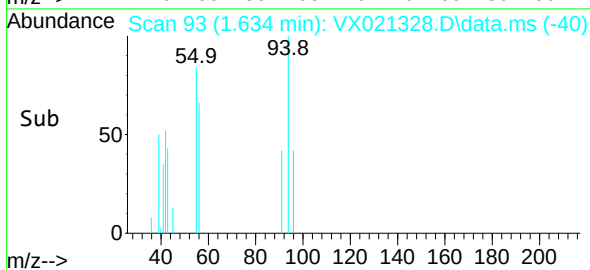
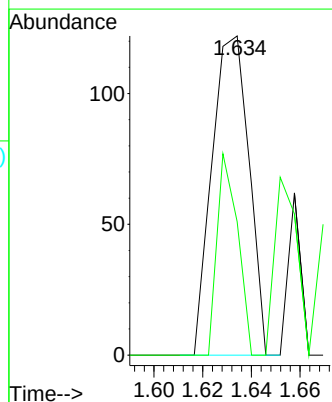
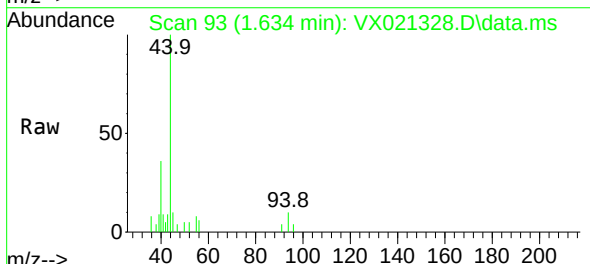
Instrument :
MSVOA_X
ClientSampled :

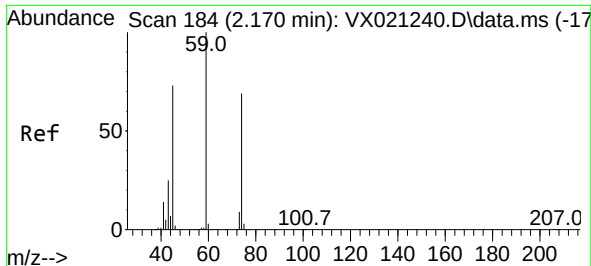
Tgt Ion: 50 Resp: 1785
Ion Ratio Lower Upper
50 100
52 37.9 26.4 39.6



#5
Bromomethane
Concen: 0.31 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

Tgt Ion: 94 Resp: 129
Ion Ratio Lower Upper
94 100
96 41.8 76.4 114.6#

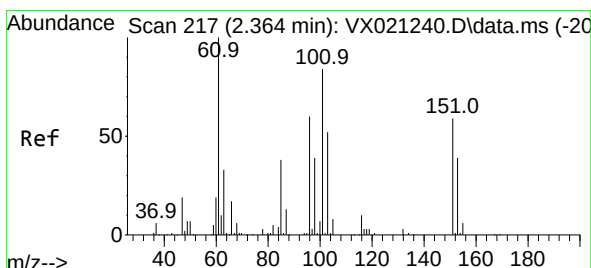
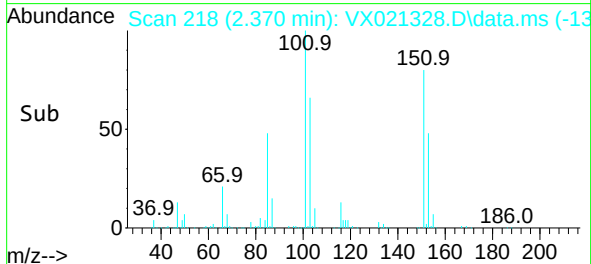
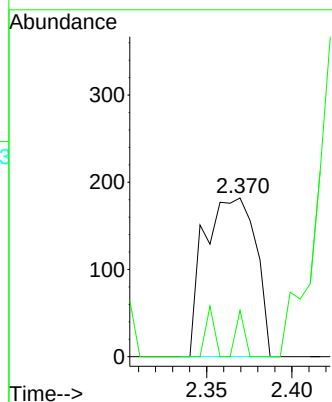
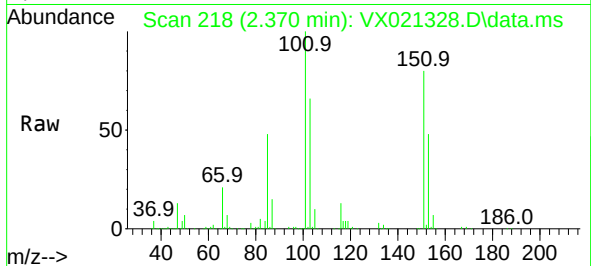




#8
Diethyl Ether
Concen: 0.77 ug/l
RT: 2.370 min Scan# 218
Delta R.T. 0.200 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

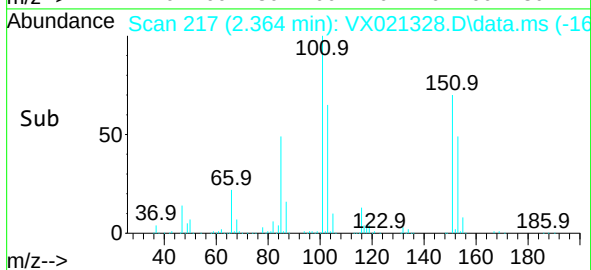
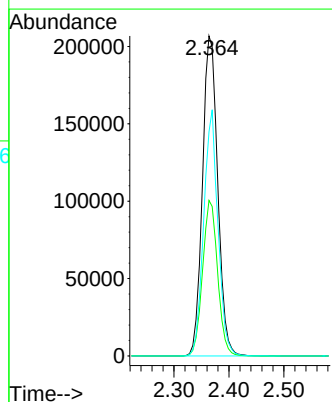
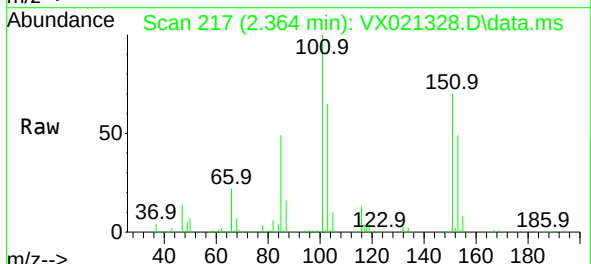
Instrument :
MSVOA_X
ClientSampleId :

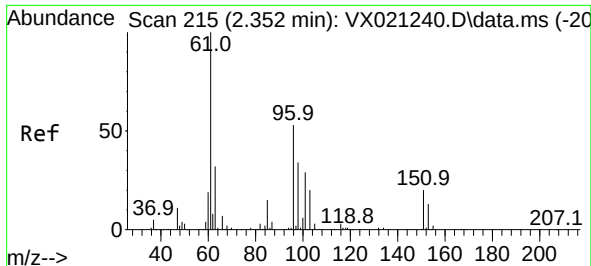
Tgt Ion: 74 Resp: 382
Ion Ratio Lower Upper
74 100
45 0.0 44.5 133.5#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 493.73 ug/l
RT: 2.364 min Scan# 217
Delta R.T. -0.000 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

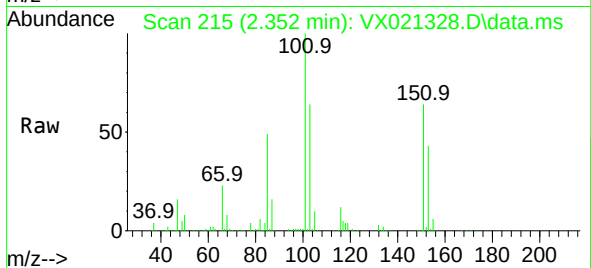
Tgt Ion: 101 Resp: 399097
Ion Ratio Lower Upper
101 100
85 47.9 34.9 52.3
151 72.0 61.4 92.2



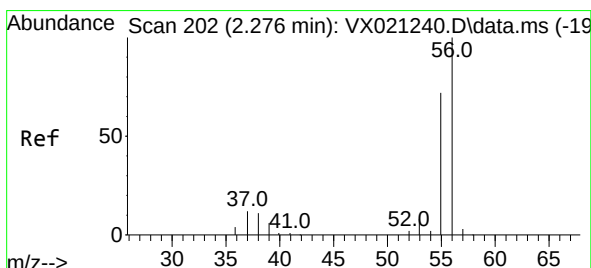
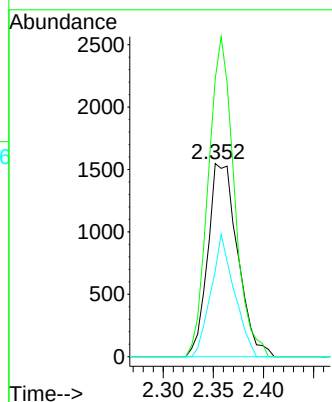
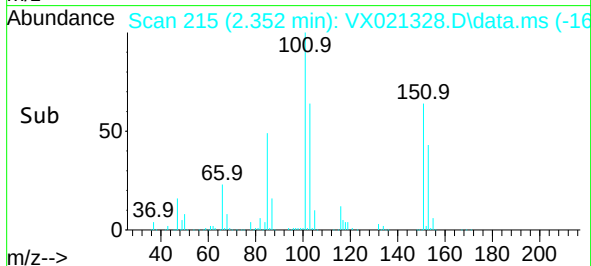


#12
1,1-Dichloroethene
Concen: 4.06 ug/l
RT: 2.352 min Scan# 215
Delta R.T. -0.000 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

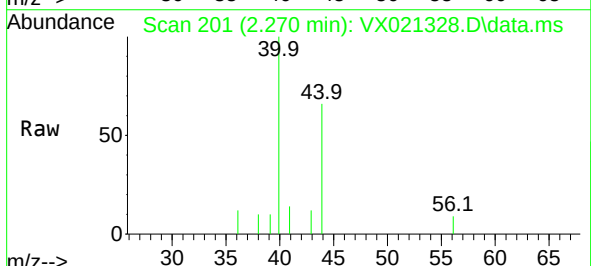
Instrument :
MSVOA_X
ClientSampled :



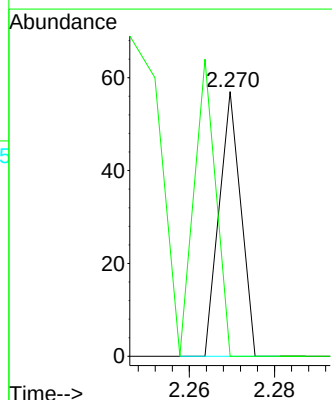
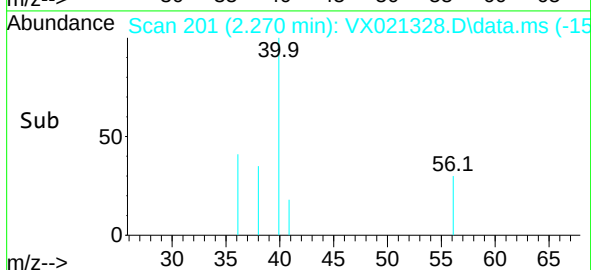
Tgt Ion: 96 Resp: 3205
Ion Ratio Lower Upper
96 100
61 143.8 124.6 187.0
98 44.5 50.6 76.0#

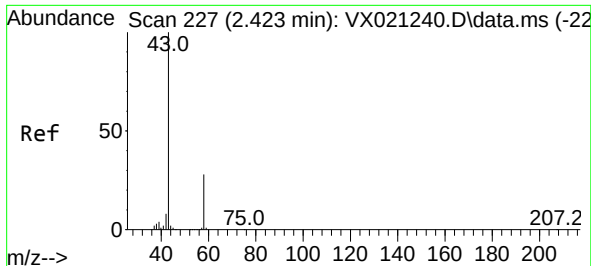


#13
Acrolein
Concen: 3.28 ug/l
RT: 2.270 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53



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

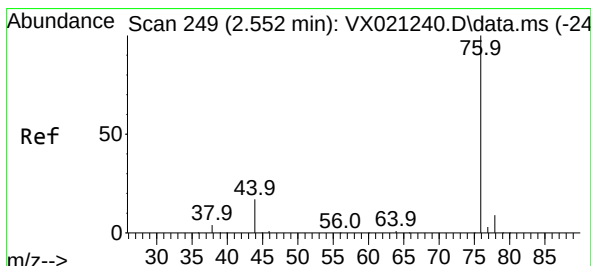
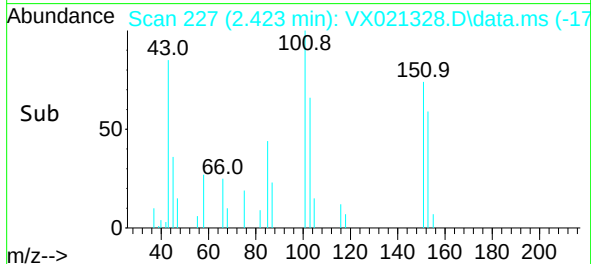
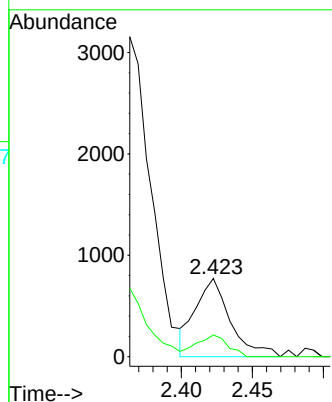
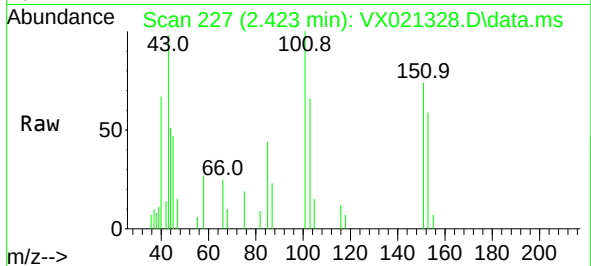




#16
Acetone
Concen: 2.85 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

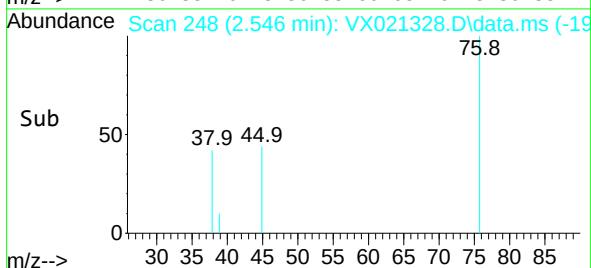
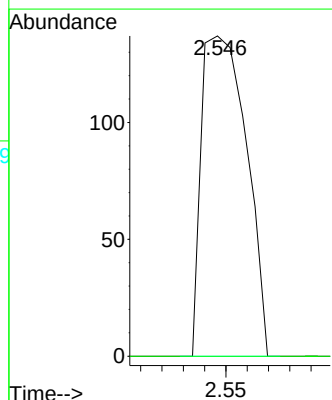
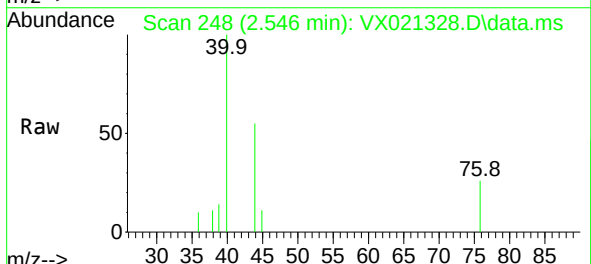
Instrument :
MSVOA_X
ClientSampleId :

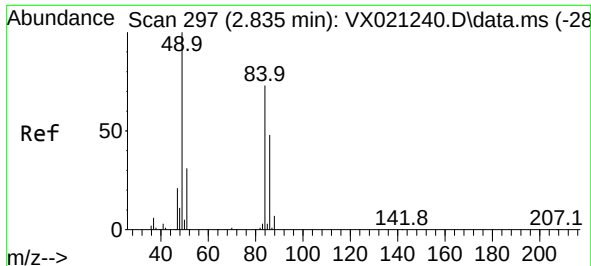
Tgt Ion: 43 Resp: 1329
Ion Ratio Lower Upper
43 100
58 27.9 27.8 41.8



#17
Carbon Disulfide
Concen: 0.62 ug/l
RT: 2.546 min Scan# 248
Delta R.T. -0.006 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

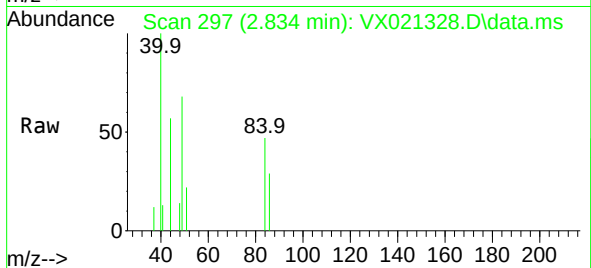
Tgt Ion: 76 Resp: 201
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





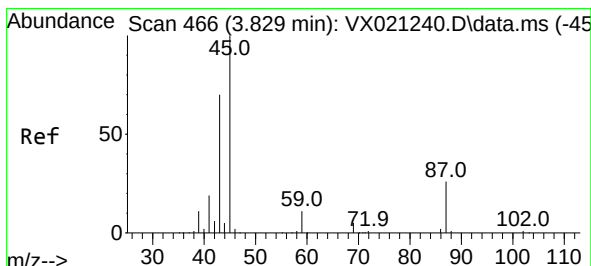
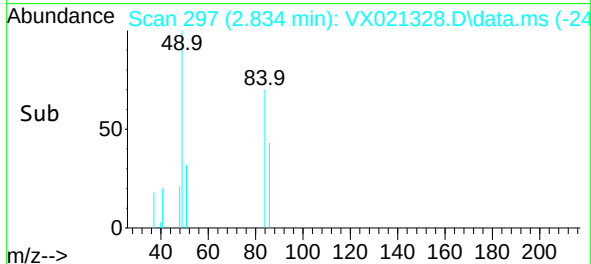
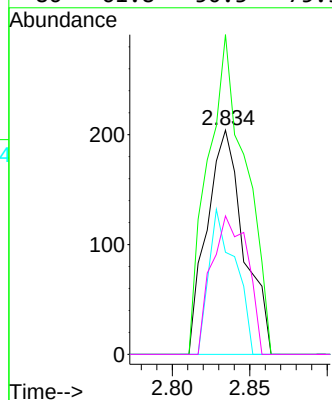
#20
Methylene Chloride
Concen: 0.35 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.001 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

Instrument :
MSVOA_X
ClientSampled :

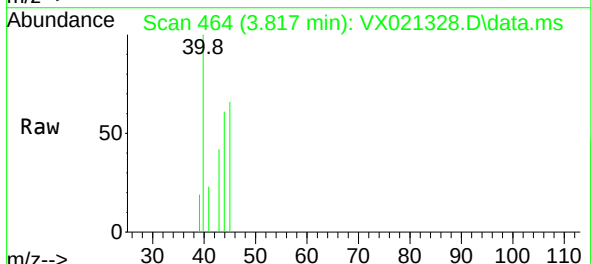


Tgt Ion: 84 Resp: 339

Ion	Ratio	Lower	Upper
84	100		
49	142.6	88.6	132.8#
51	45.6	27.0	40.6#
86	61.8	50.3	75.5

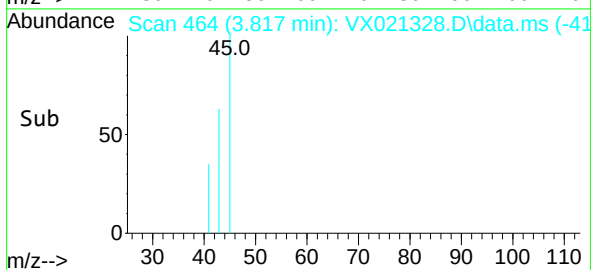
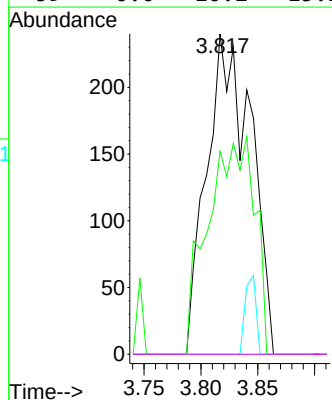


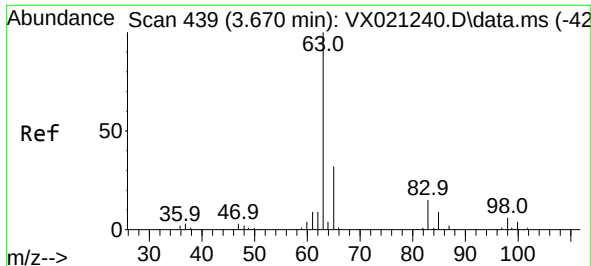
#22
Diisopropyl ether
Concen: 0.21 ug/l
RT: 3.817 min Scan# 464
Delta R.T. -0.012 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53



Tgt Ion: 45 Resp: 650

Ion	Ratio	Lower	Upper
45	100		
43	63.3	58.0	87.0
87	0.0	25.4	38.0#
59	0.0	10.2	15.2#

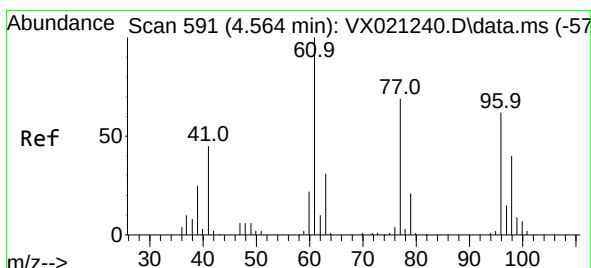
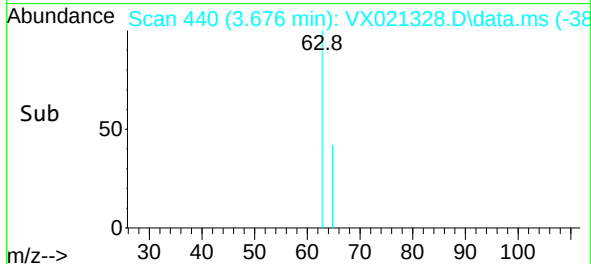
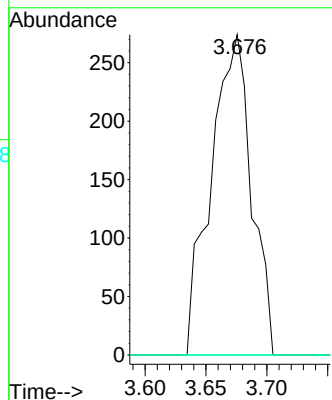
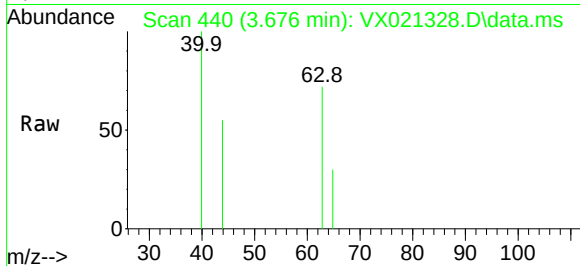




#24
1,1-Dichloroethane
Concen: 0.38 ug/l
RT: 3.676 min Scan# 440
Delta R.T. 0.006 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

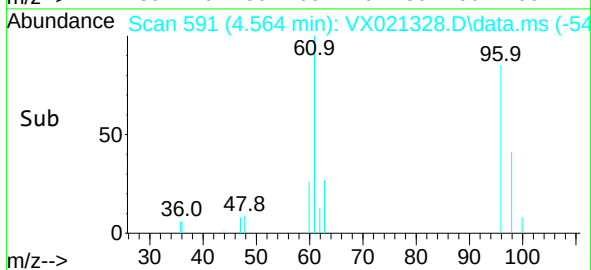
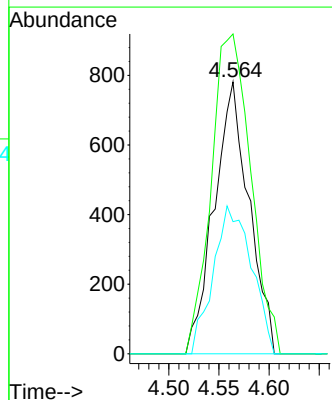
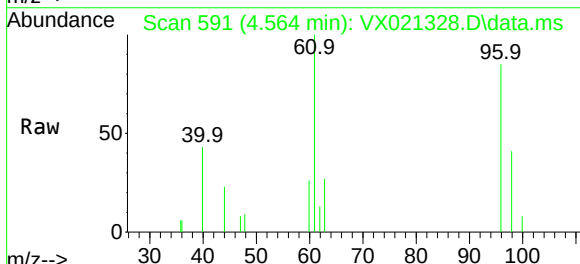
Instrument :
MSVOA_X
ClientSampled :

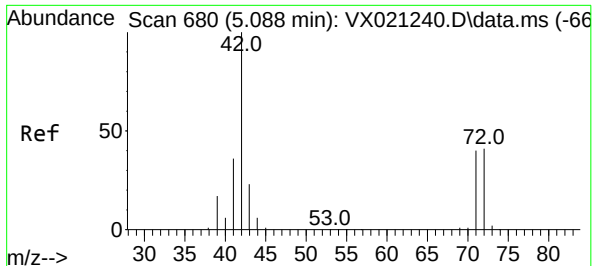
Tgt Ion: 63 Resp: 635
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 1.87 ug/l
RT: 4.564 min Scan# 591
Delta R.T. -0.000 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

Tgt Ion: 96 Resp: 1888
Ion Ratio Lower Upper
96 100
61 133.5 0.0 285.6
98 59.8 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.21 ug/l

RT: 5.082 min Scan# 679

Delta R.T. -0.006 min

Lab File: VX021328.D

Acq: 20 Mar 2021 05:53

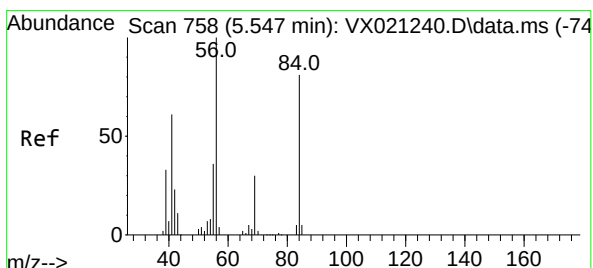
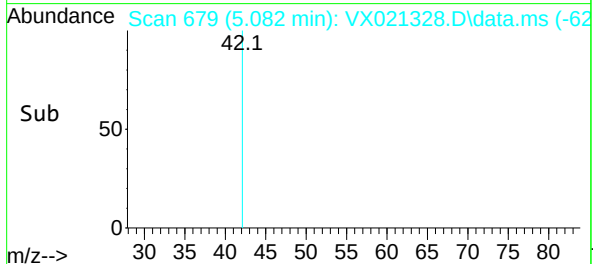
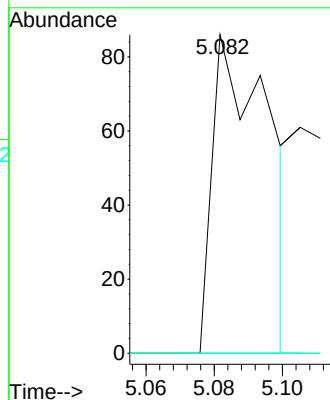
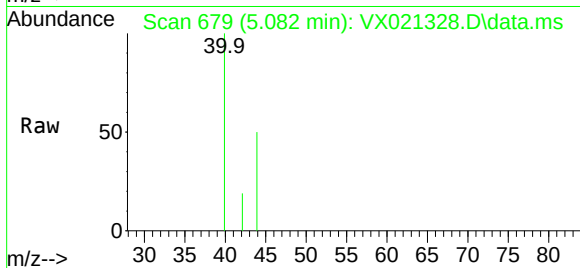
Tgt Ion: 42 Resp: 99

Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

71 0.0 38.4 57.6#



#31

Cyclohexane

Concen: 1.42 ug/l

RT: 5.617 min Scan# 770

Delta R.T. 0.070 min

Lab File: VX021328.D

Acq: 20 Mar 2021 05:53

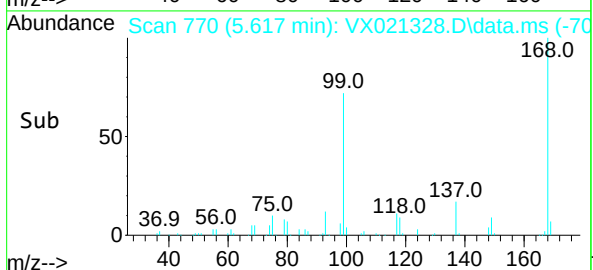
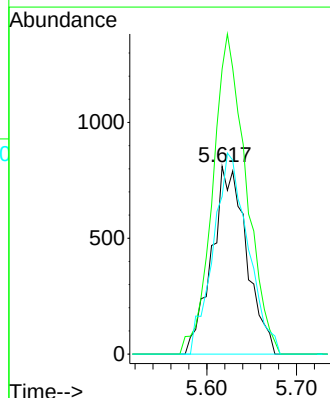
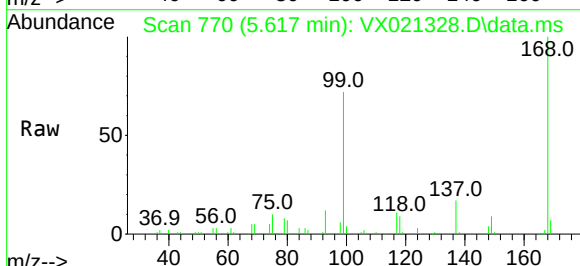
Tgt Ion: 56 Resp: 2179

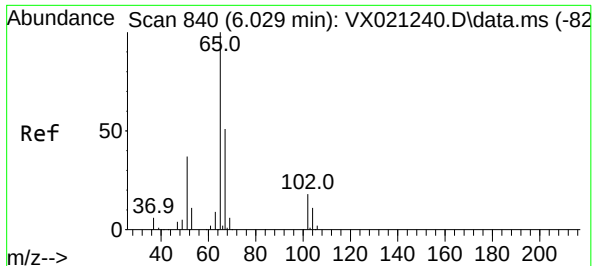
Ion Ratio Lower Upper

56 100

69 152.0 25.3 37.9#

84 84.0 71.4 107.0





#33

1,2-Dichloroethane-d4

Concen: 48.25 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

Lab File: VX021328.D

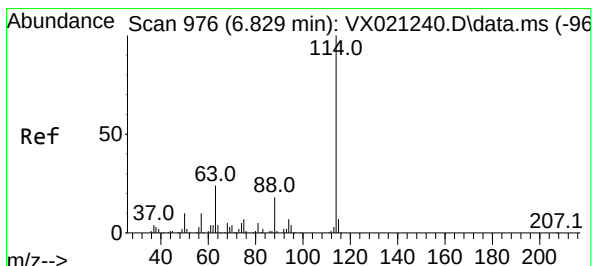
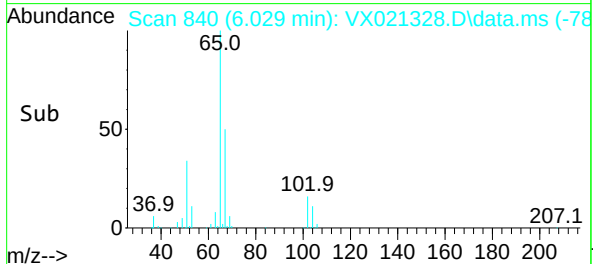
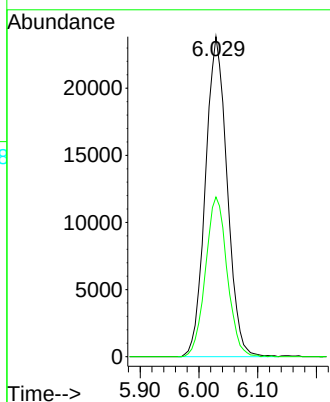
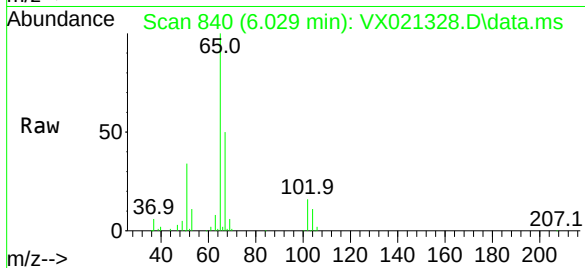
Acq: 20 Mar 2021 05:53

Tgt Ion: 65 Resp: 61205

Ion Ratio Lower Upper

65 100

67 49.9 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: VX021328.D

Acq: 20 Mar 2021 05:53

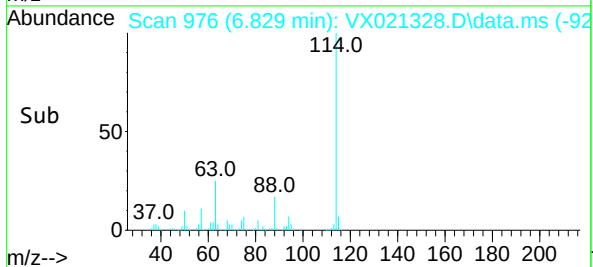
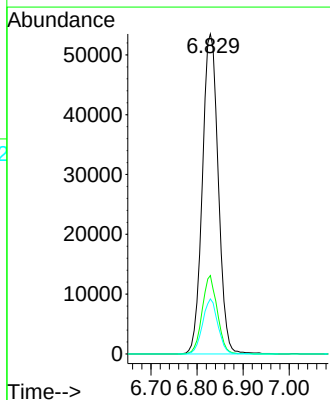
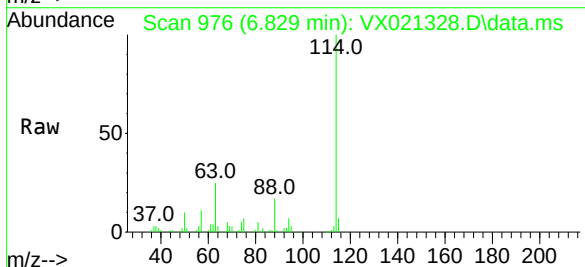
Tgt Ion: 114 Resp: 128806

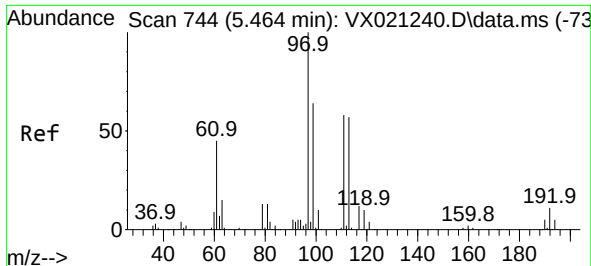
Ion Ratio Lower Upper

114 100

63 24.5 0.0 40.8

88 17.2 0.0 32.8

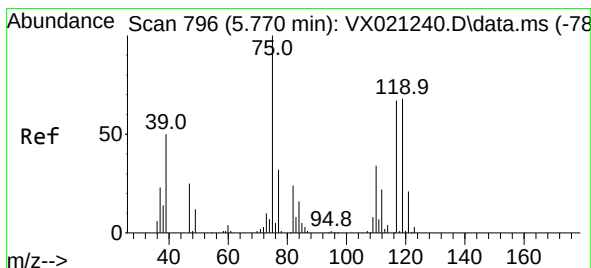
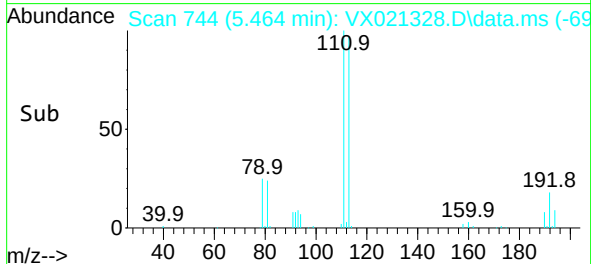
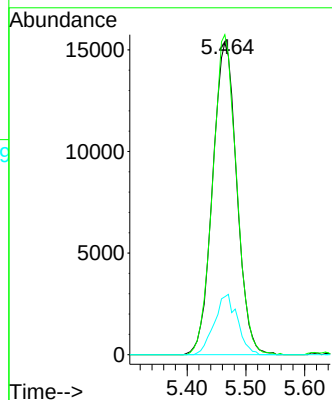
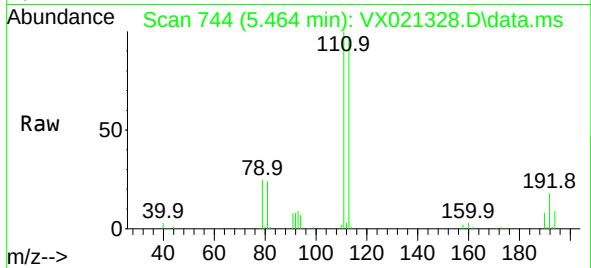




#35
Dibromofluoromethane
Concen: 50.11 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

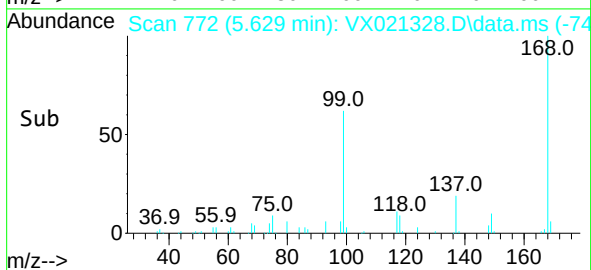
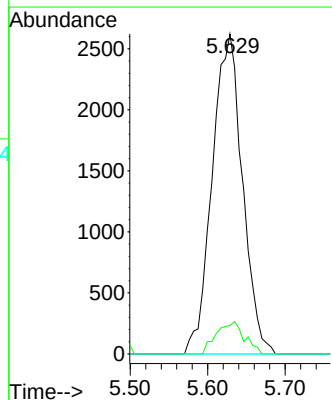
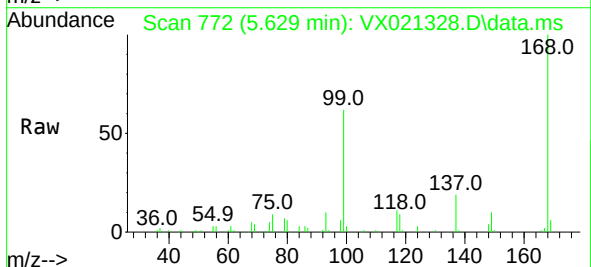
Instrument :
MSVOA_X
ClientSampleId :

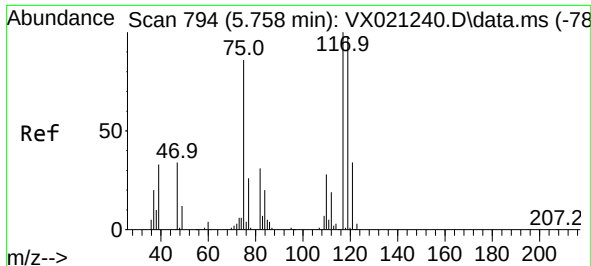
Tgt Ion:113 Resp: 43925
Ion Ratio Lower Upper
113 100
111 100.8 81.9 122.9
192 18.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.48 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

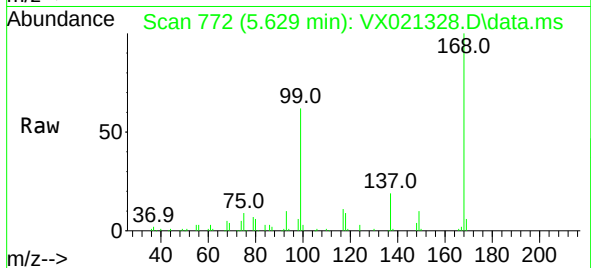
Tgt Ion: 75 Resp: 7117
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.0 25.3 37.9#



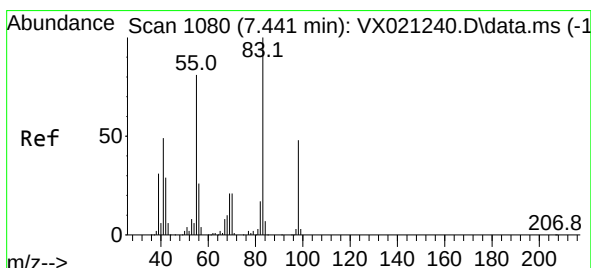
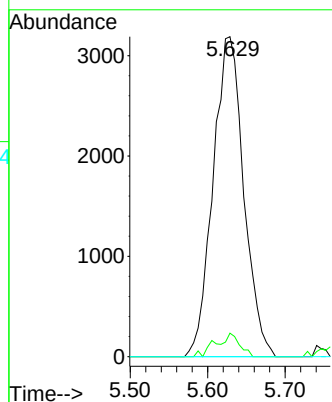
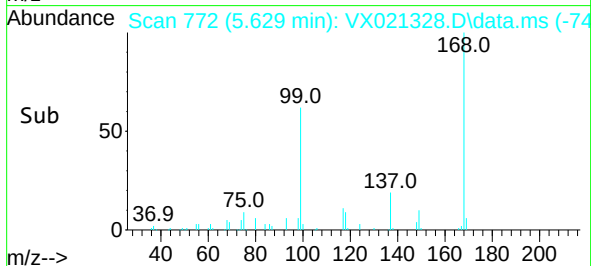


#38
Carbon Tetrachloride
Concen: 6.53 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.129 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

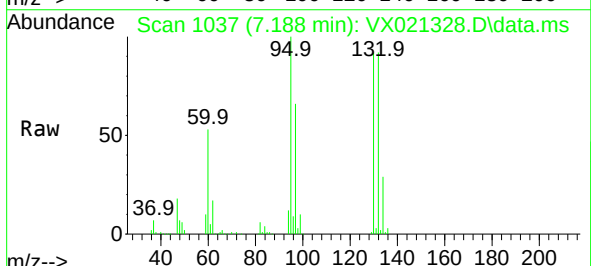
Instrument :
MSVOA_X
ClientSampleId :



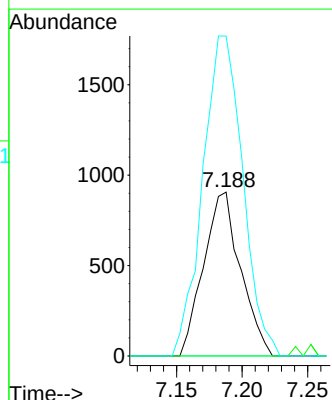
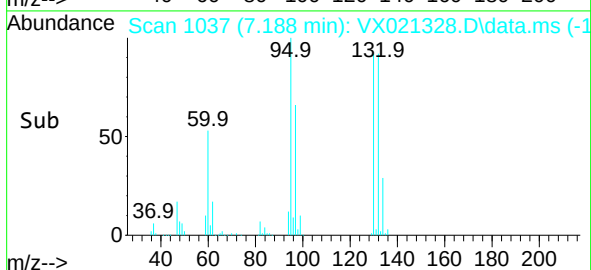
Tgt Ion:117 Resp: 8797
Ion Ratio Lower Upper
117 100
119 7.3 76.2 114.2#
121 0.0 24.8 37.2#

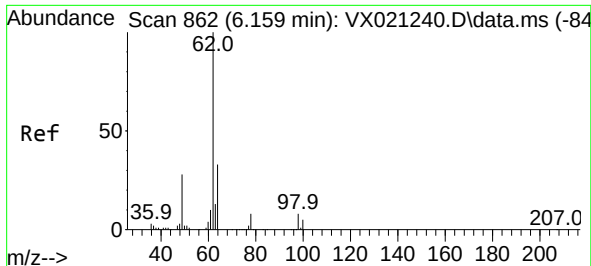


#39
Methylcyclohexane
Concen: 1.23 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.253 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53



Tgt Ion: 83 Resp: 1778
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 195.3 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.40 ug/l

RT: 6.158 min Scan# 862

Delta R.T. -0.001 min

Lab File: VX021328.D

Acq: 20 Mar 2021 05:53

Instrument :

MSVOA_X

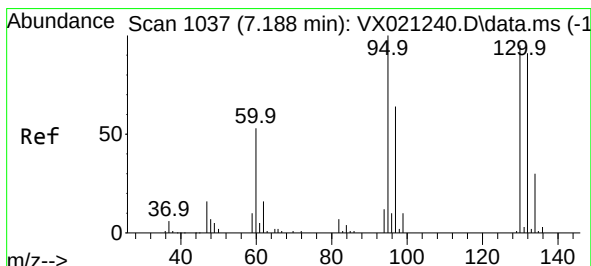
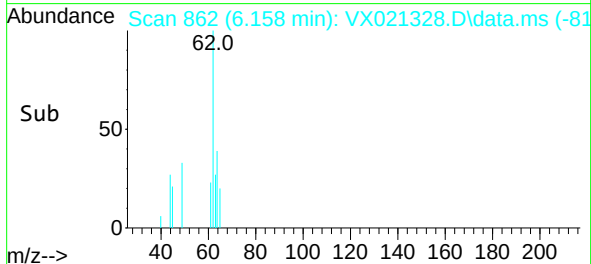
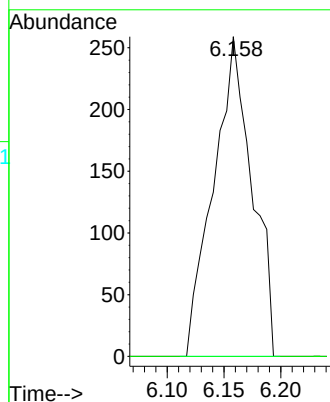
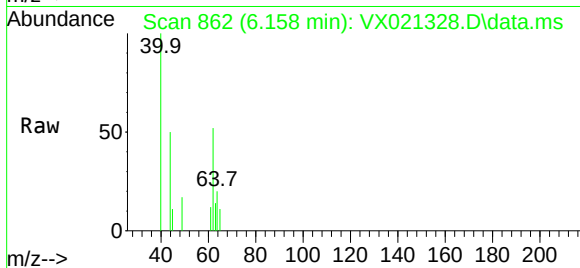
ClientSampled :

Tgt Ion: 62 Resp: 614

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 136.68 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VX021328.D

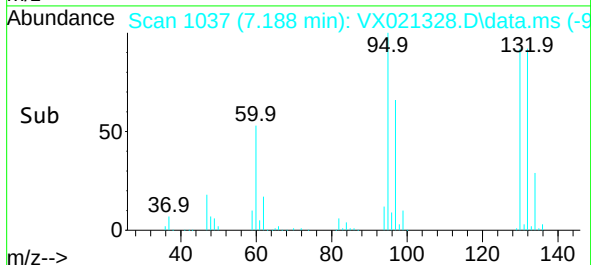
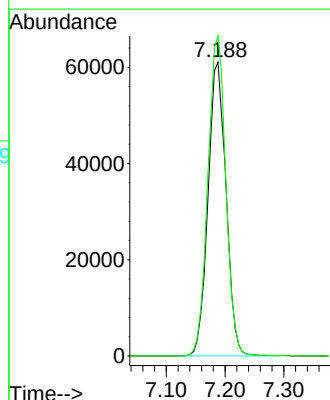
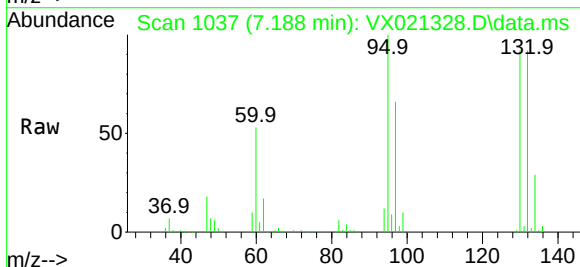
Acq: 20 Mar 2021 05:53

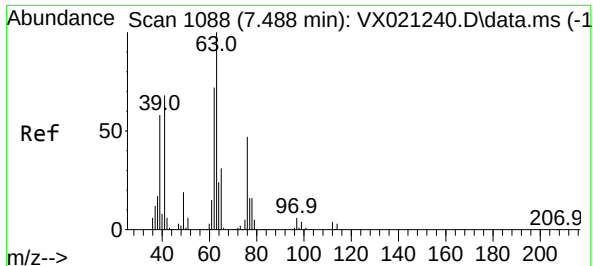
Tgt Ion:130 Resp: 129850

Ion Ratio Lower Upper

130 100

95 108.9 0.0 198.0

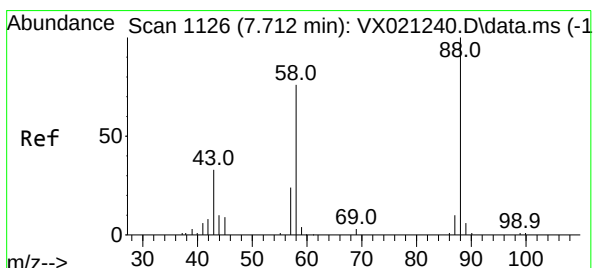
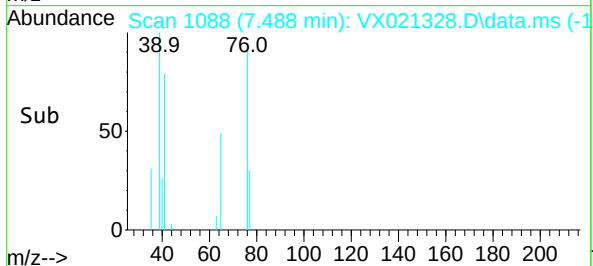
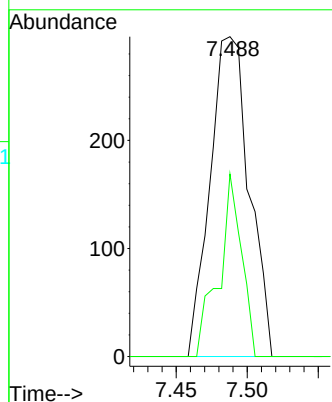
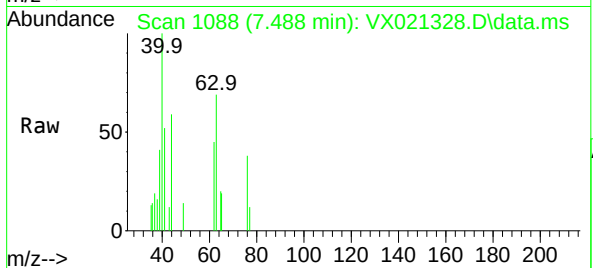




#45
1,2-Dichloropropane
Concen: 0.59 ug/l
RT: 7.488 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

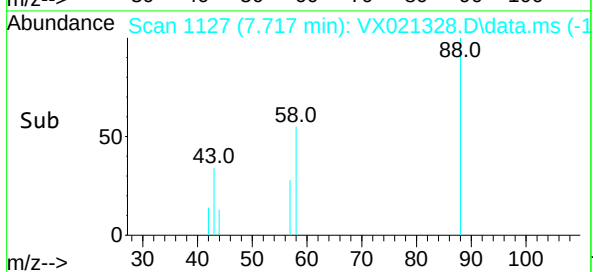
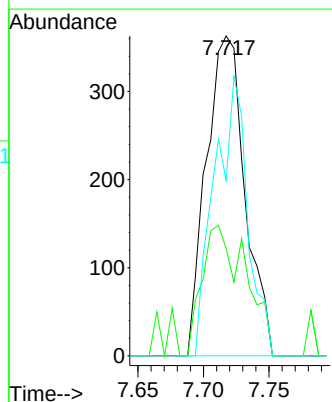
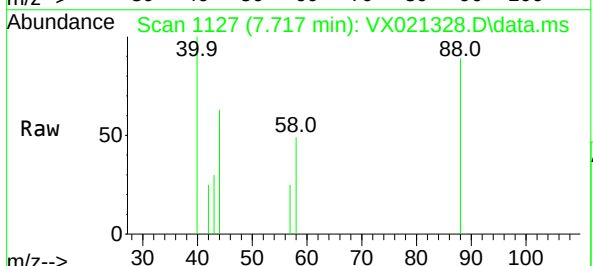
Instrument :
MSVOA_X
ClientSampled :

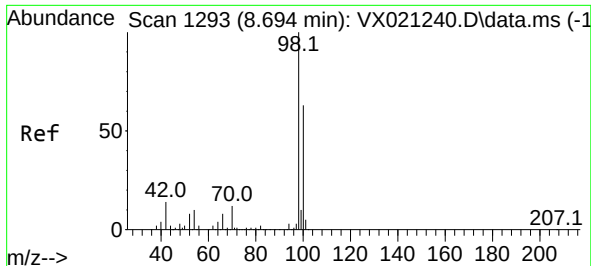
Tgt Ion: 63 Resp: 568
Ion Ratio Lower Upper
63 100
65 57.1 25.7 38.5#



#49
1,4-Dioxane
Concen: 22.54 ug/l
RT: 7.717 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

Tgt Ion: 88 Resp: 746
Ion Ratio Lower Upper
88 100
43 46.2 23.2 34.8#
58 74.5 55.0 82.4

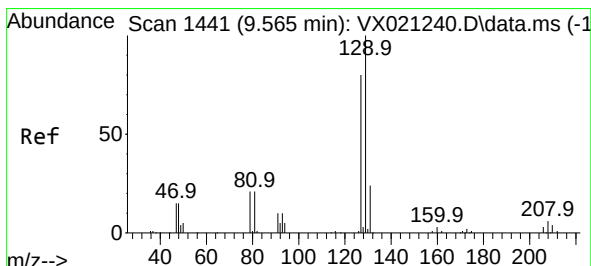
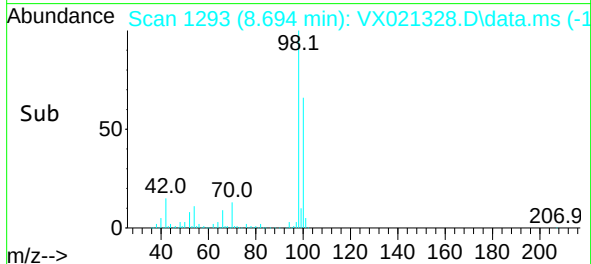
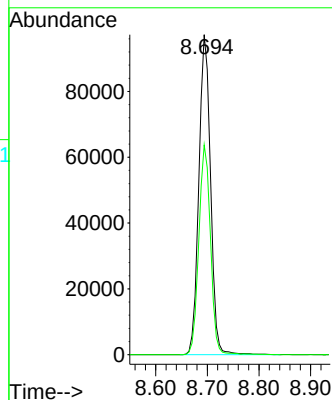
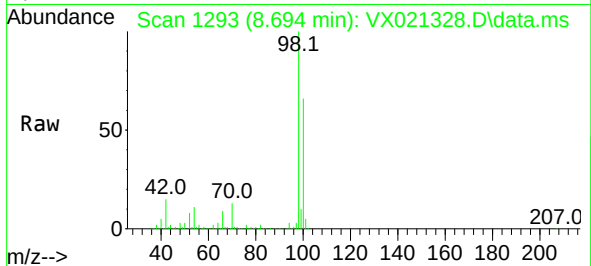




#50
Toluene-d8
Concen: 48.03 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

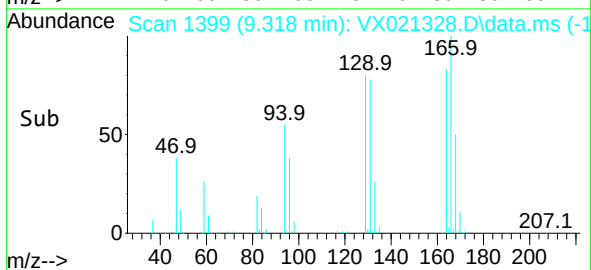
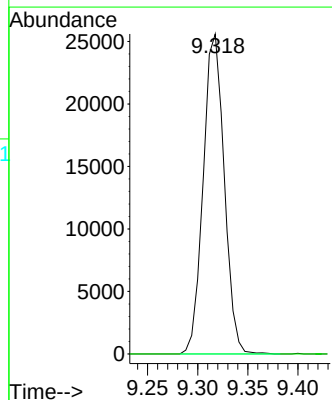
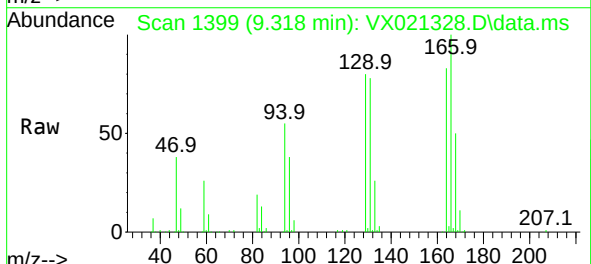
Instrument :
MSVOA_X
ClientSampled :

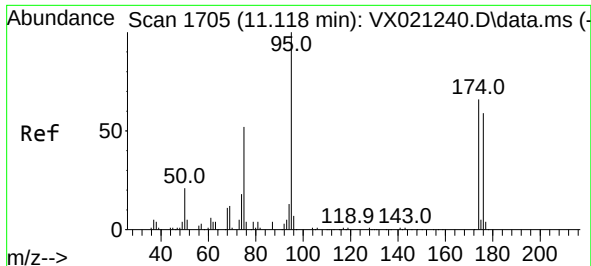
Tgt Ion: 98 Resp: 152729
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9



#60
Dibromochloromethane
Concen: 36.27 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

Tgt Ion: 129 Resp: 37374
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

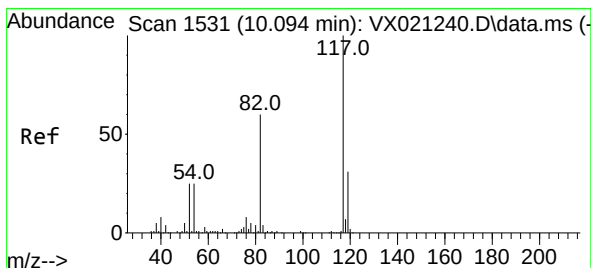
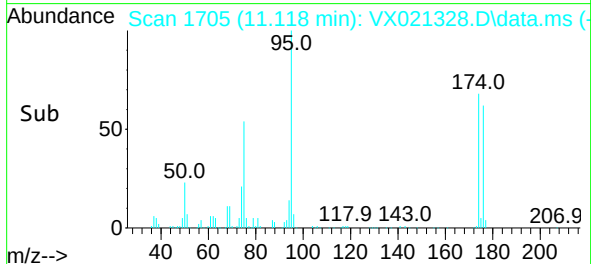
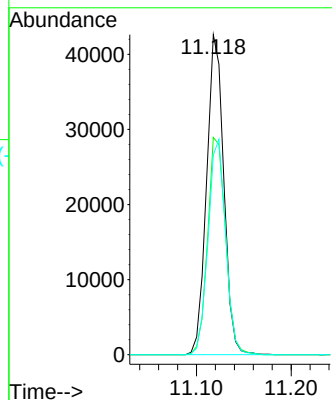
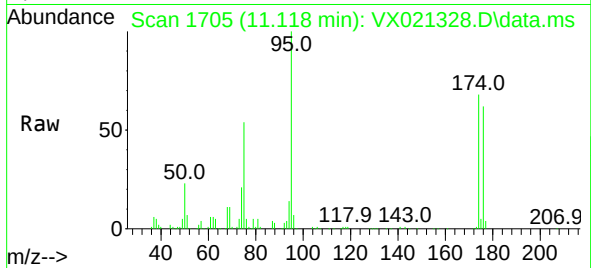




#62
4-Bromofluorobenzene
Concen: 43.42 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

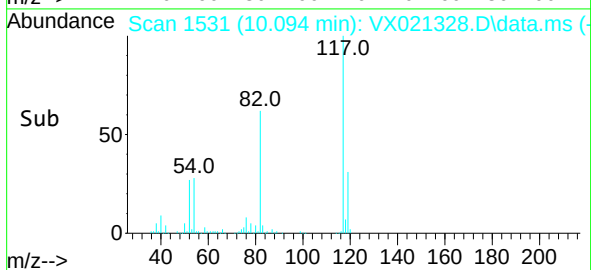
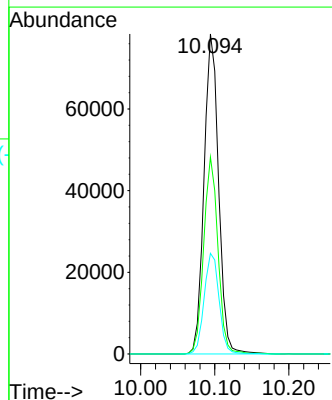
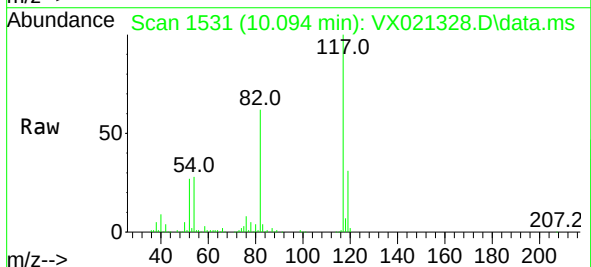
Instrument :
MSVOA_X
ClientSampleId :

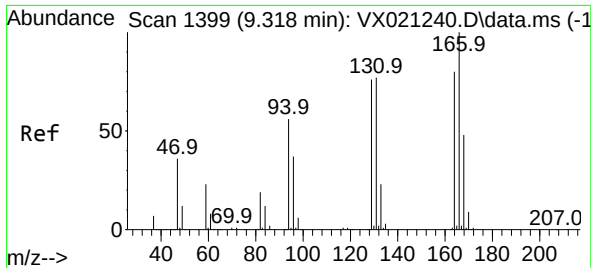
Tgt Ion: 95 Resp: 53623
Ion Ratio Lower Upper
95 100
174 70.8 0.0 154.6
176 68.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

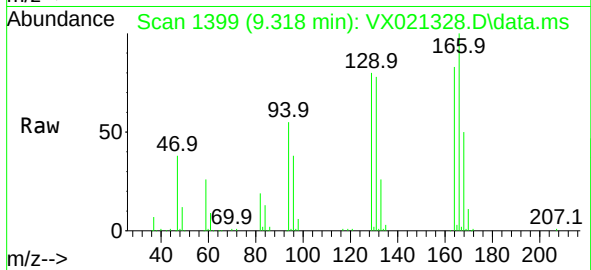
Tgt Ion: 117 Resp: 107095
Ion Ratio Lower Upper
117 100
82 61.5 47.4 71.2
119 31.5 26.6 39.8



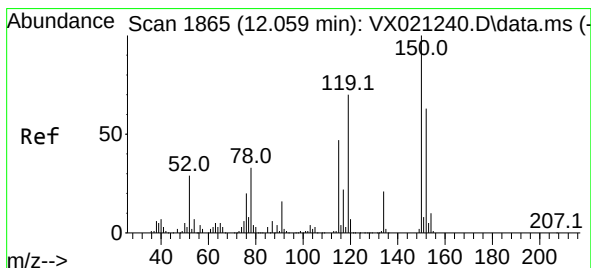
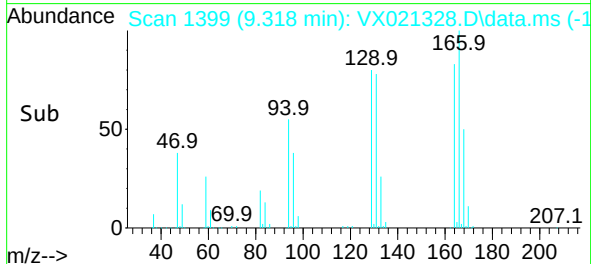
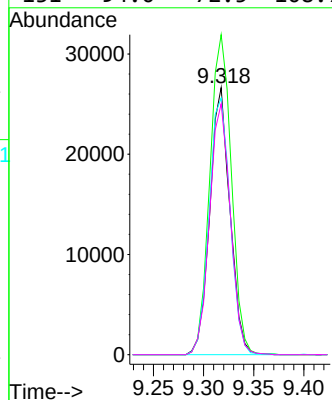


#64
Tetrachloroethene
Concen: 46.48 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

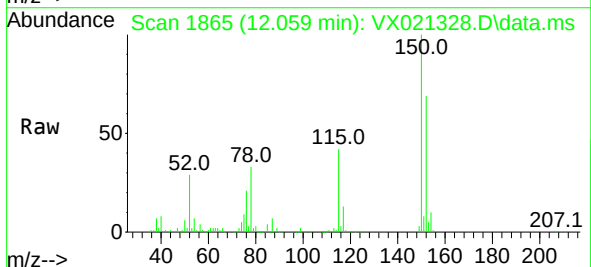
Instrument :
MSVOA_X
ClientSampled :



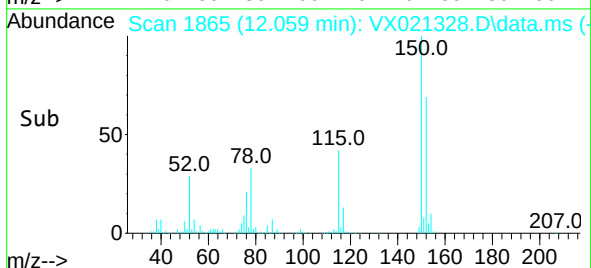
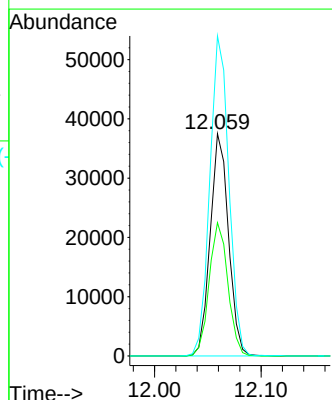
Tgt Ion:164 Resp: 37174
Ion Ratio Lower Upper
164 100
166 119.8 103.4 155.2
129 96.1 70.8 106.2
131 94.0 72.5 108.7

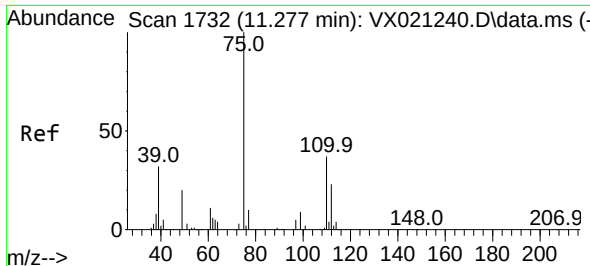


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53



Tgt Ion:152 Resp: 44836
Ion Ratio Lower Upper
152 100
115 61.3 41.1 123.3
150 149.8 0.0 349.0

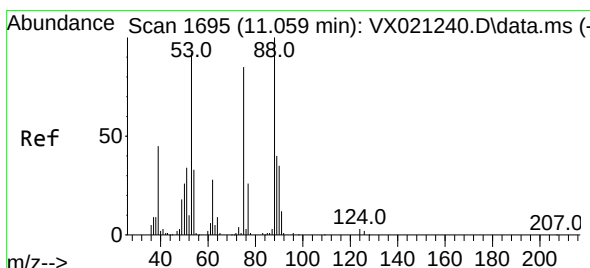
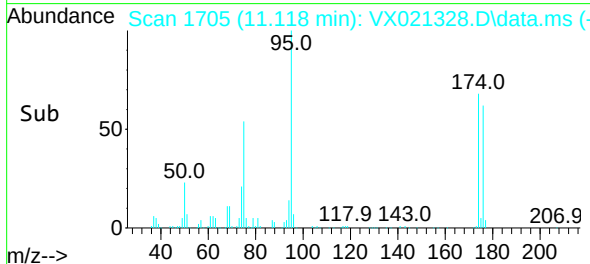
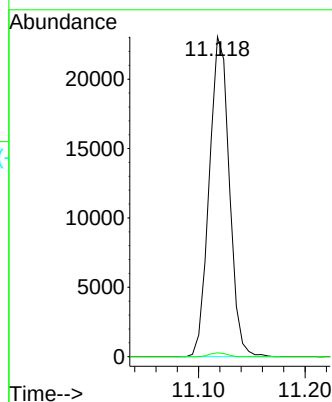
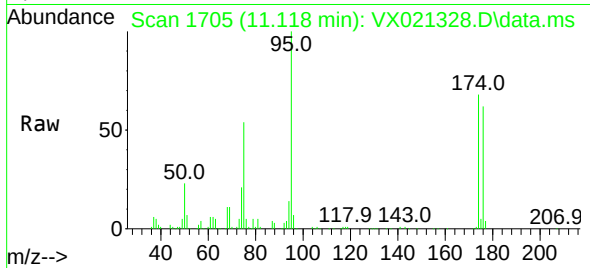




#76
1,2,3-Trichloropropane
Concen: 29.11 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 30272
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.02 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021328.D
Acq: 20 Mar 2021 05:53

Tgt Ion: 75 Resp: 30272
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

