

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032121\
 Data File : VX021327.D
 Acq On : 20 Mar 2021 05:29
 Operator : JC/MD
 Sample : M1735-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 20 07:56:00 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)

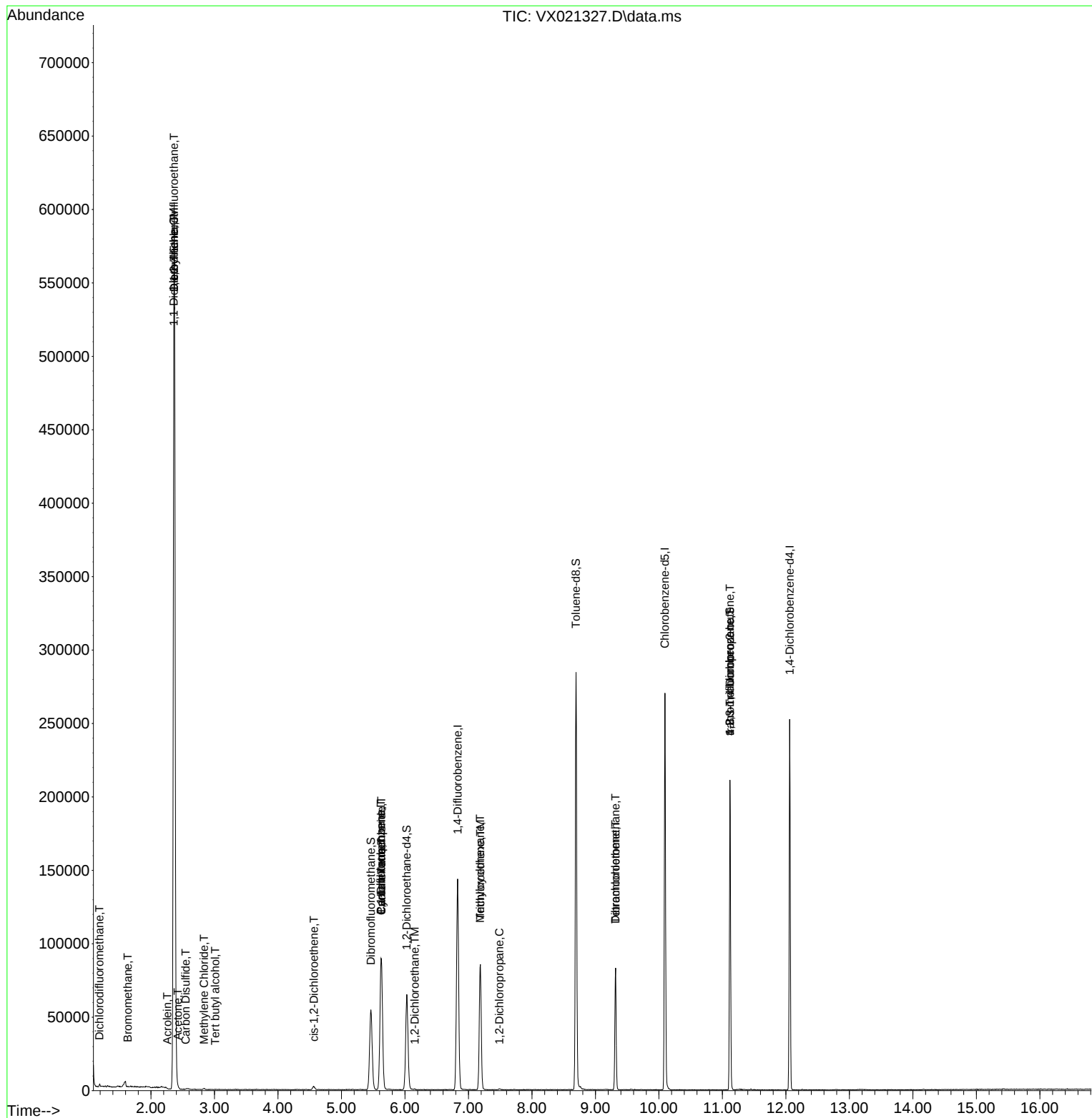
Internal Standards						
1) Pentafluorobenzene	5.623	168	77475	50.00	ug/l	#-0.01
34) 1,4-Difluorobenzene	6.829	114	131270	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	109729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	44561	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	63096	49.65	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.30%
35) Dibromofluoromethane	5.464	113	44250	49.54	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.08%
50) Toluene-d8	8.694	98	156880	48.41	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.82%
62) 4-Bromofluorobenzene	11.118	95	53982	42.89	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.78%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	275	0.30	ug/l	# 62
3) Chloromethane	1.317	50	1721	Below Cal	#	86
5) Bromomethane	1.634	94	118	0.29	ug/l	82
8) Diethyl Ether	2.364	74	244	0.49	ug/l	# 29
9) 1,1,2-Trichlorotrifluo...	2.364	101	235517	290.88	ug/l	95
11) Tert butyl alcohol	3.011	59	44	0.21	ug/l	# 73
12) 1,1-Dichloroethene	2.358	96	1783	2.26	ug/l	89
13) Acrolein	2.258	56	20	3.28	ug/l	# 1
16) Acetone	2.423	43	1084	2.32	ug/l	# 70
17) Carbon Disulfide	2.546	76	279	0.66	ug/l	# 75
20) Methylene Chloride	2.834	84	295	0.31	ug/l	# 81
27) cis-1,2-Dichloroethene	4.564	96	1197	1.18	ug/l	90
31) Cyclohexane	5.629	56	2188	1.42	ug/l	# 42
36) 1,1-Dichloropropene	5.623	75	7146	5.40	ug/l	# 50
38) Carbon Tetrachloride	5.629	117	8974	6.53	ug/l	# 16
39) Methylcyclohexane	7.182	83	436	0.30	ug/l	# 1
42) 1,2-Dichloroethane	6.152	62	367	0.23	ug/l	# 73
44) Trichloroethene	7.188	130	29689	30.66	ug/l	90
45) 1,2-Dichloropropane	7.488	63	331	0.34	ug/l	# 43
49) 1,4-Dioxane	7.711	88	157	Below Cal	#	77
60) Dibromochloromethane	9.318	129	14078	13.40	ug/l	# 11
64) Tetrachloroethene	9.318	164	13992	17.07	ug/l	95
76) 1,2,3-Trichloropropane	11.118	75	29903	28.93	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.118	75	29903	78.54	ug/l	# 12

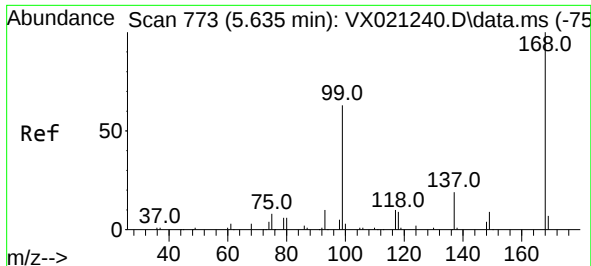
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 16 14:00:21 2021
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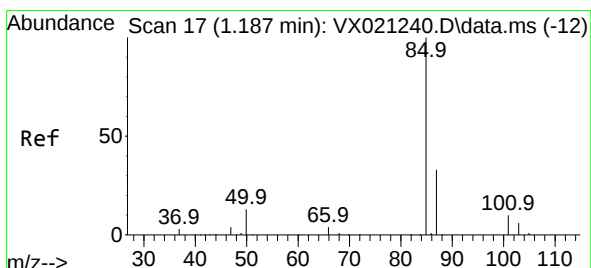
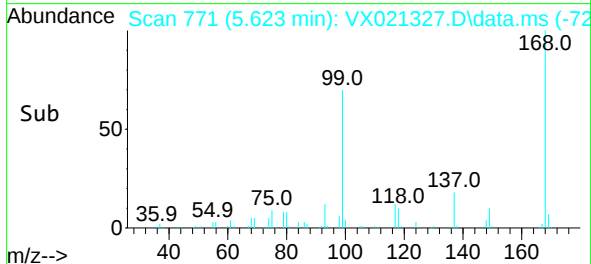
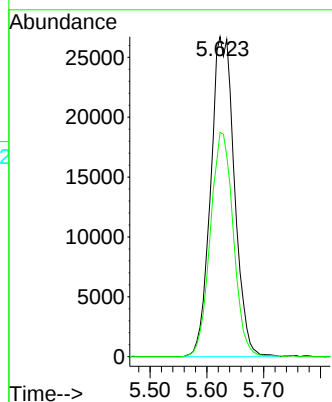
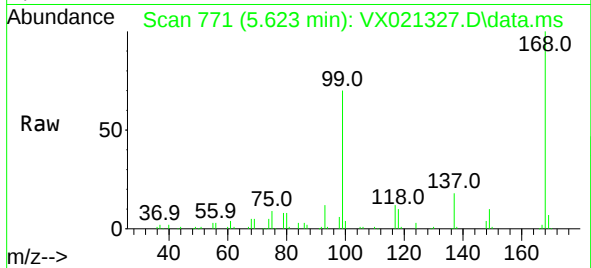




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.012 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

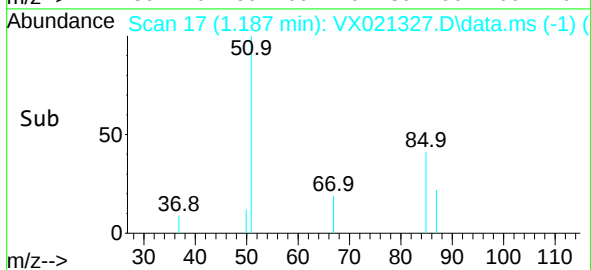
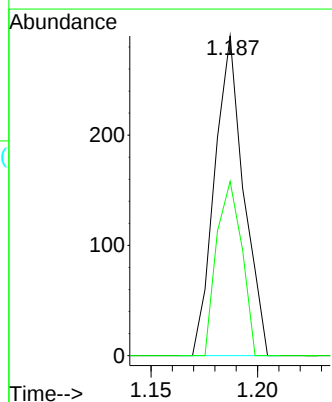
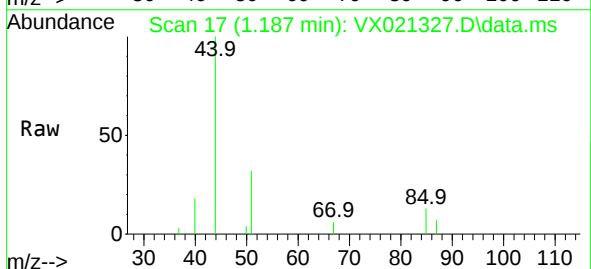
Instrument :
MSVOA_X
ClientSampled :

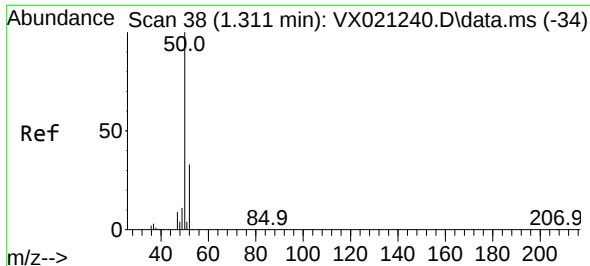
Tgt Ion:168 Resp: 77475
Ion Ratio Lower Upper
168 100
99 70.1 45.8 68.6#



#2
Dichlorodifluoromethane
Concen: 0.30 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

Tgt Ion: 85 Resp: 275
Ion Ratio Lower Upper
85 100
87 54.5 16.4 49.2#

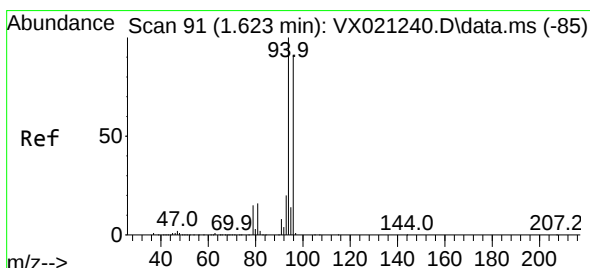
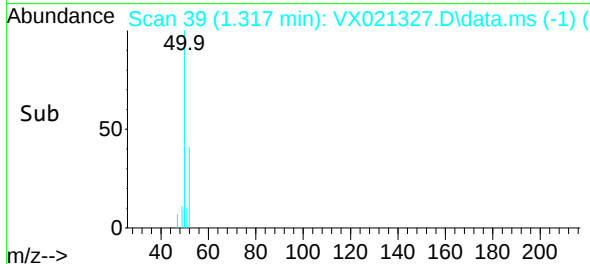
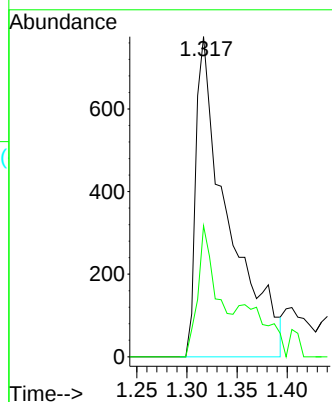
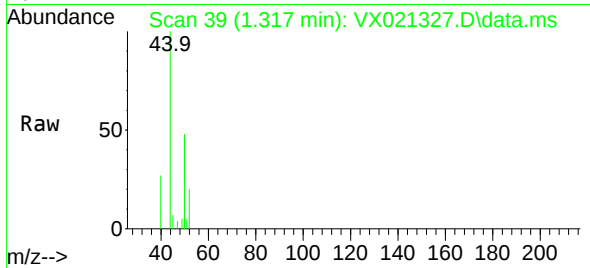




#3
Chloromethane
Concen: Below Cal
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

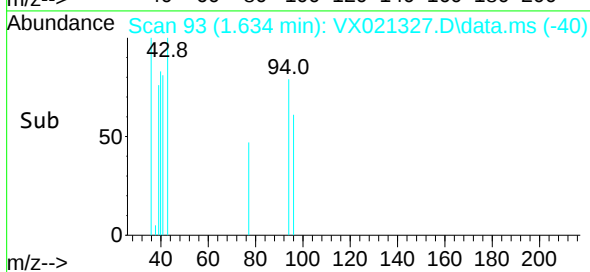
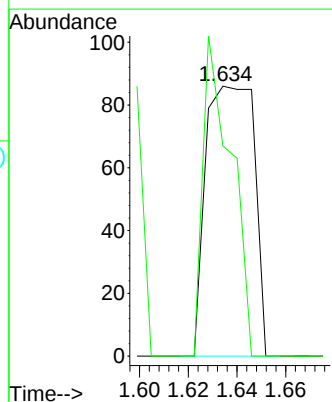
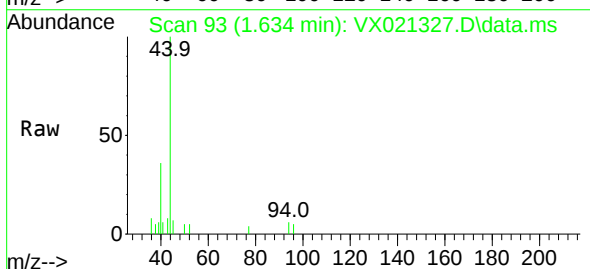
Instrument :
MSVOA_X
ClientSampled :

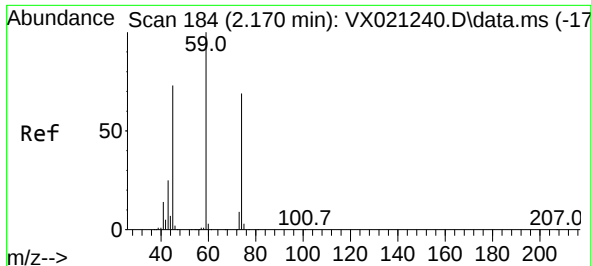
Tgt Ion: 50 Resp: 1721
Ion Ratio Lower Upper
50 100
52 40.9 26.4 39.6#



#5
Bromomethane
Concen: 0.29 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

Tgt Ion: 94 Resp: 118
Ion Ratio Lower Upper
94 100
96 77.9 76.4 114.6

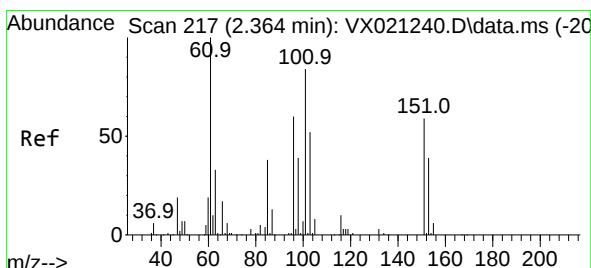
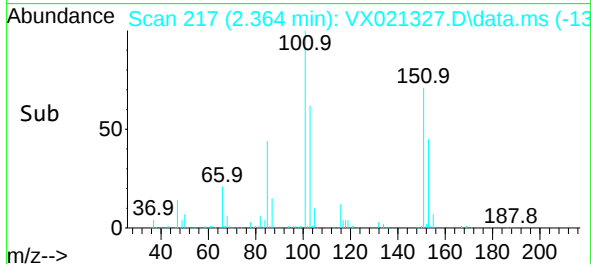
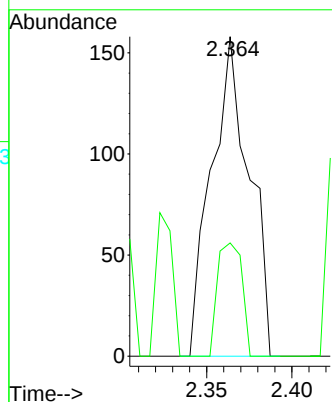
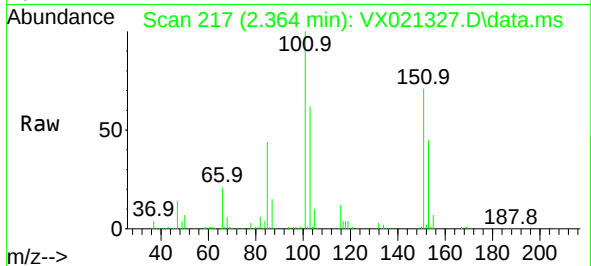




#8
Diethyl Ether
Concen: 0.49 ug/l
RT: 2.364 min Scan# 217
Delta R.T. 0.194 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

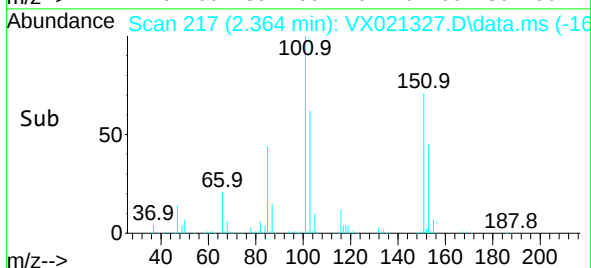
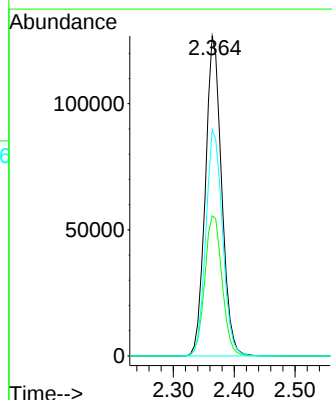
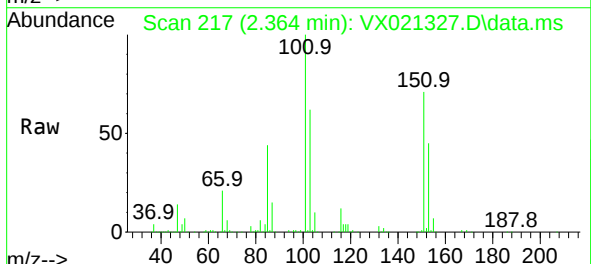
Instrument :
MSVOA_X
ClientSampleId :

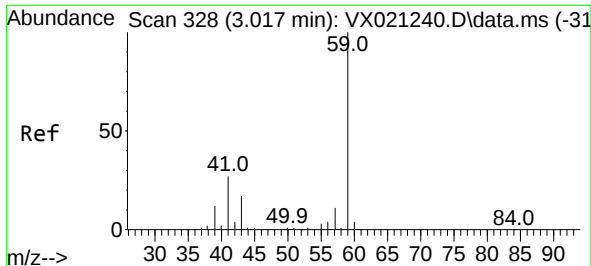
Tgt Ion: 74 Resp: 244
Ion Ratio Lower Upper
74 100
45 23.0 44.5 133.5#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 290.88 ug/l
RT: 2.364 min Scan# 217
Delta R.T. -0.000 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

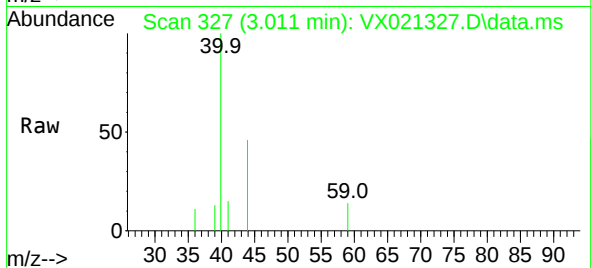
Tgt Ion:101 Resp: 235517
Ion Ratio Lower Upper
101 100
85 46.6 34.9 52.3
151 72.6 61.4 92.2



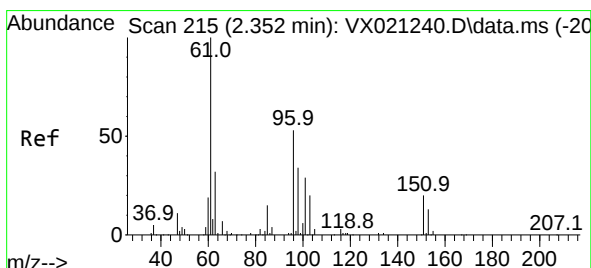
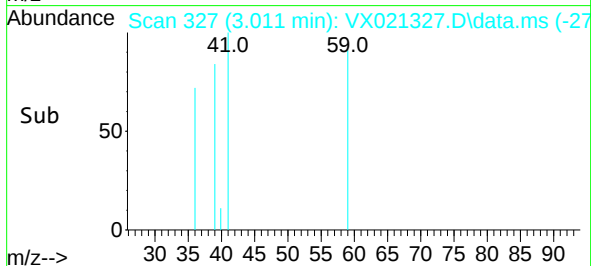
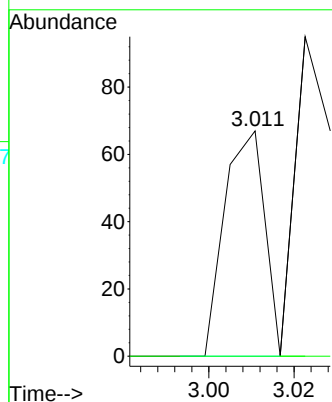


#11
Tert butyl alcohol
Concen: 0.21 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.006 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

Instrument :
MSVOA_X
ClientSampled :

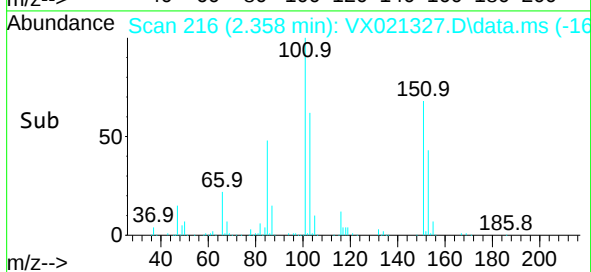
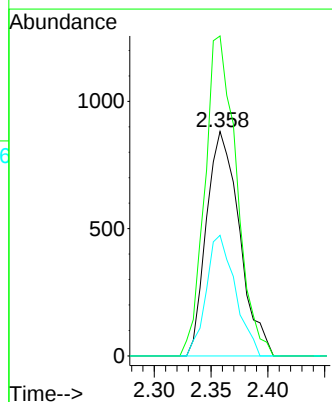
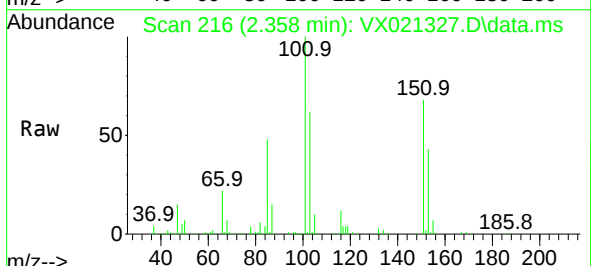


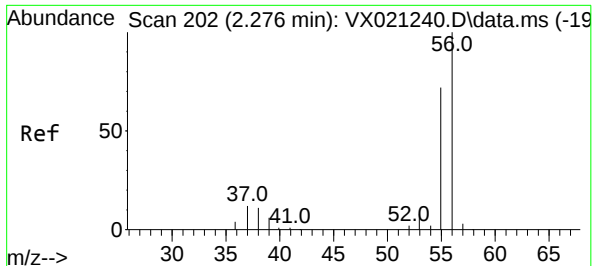
Tgt Ion: 59 Resp: 44
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 2.26 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

Tgt Ion: 96 Resp: 1783
Ion Ratio Lower Upper
96 100
61 142.5 124.6 187.0
98 53.7 50.6 76.0

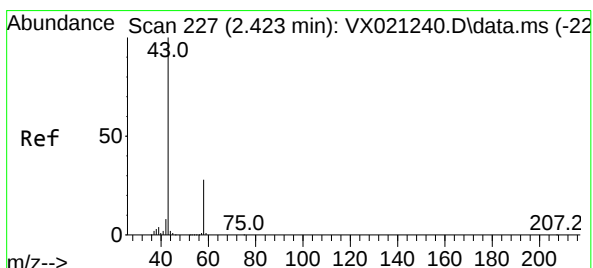
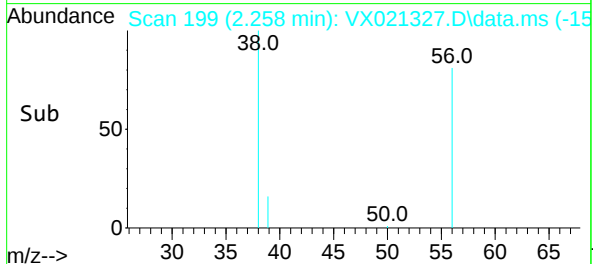
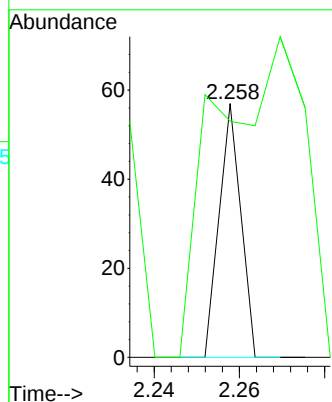
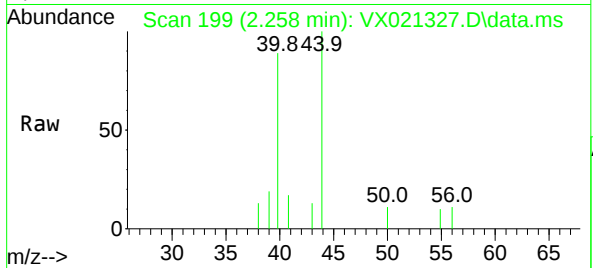




#13
Acrolein
Concen: 3.28 ug/l
RT: 2.258 min Scan# 199
Delta R.T. -0.018 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

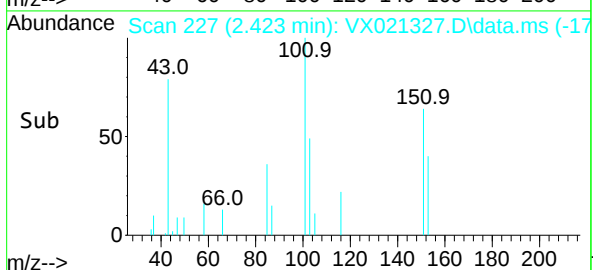
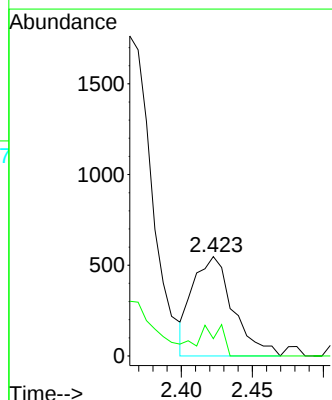
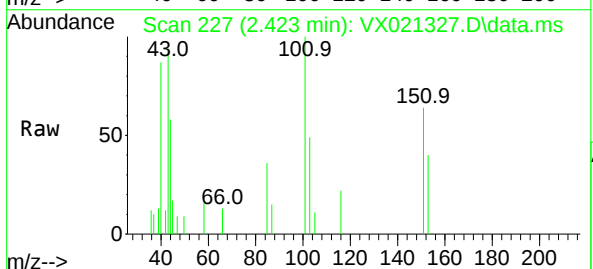
Instrument :
MSVOA_X
ClientSampled :

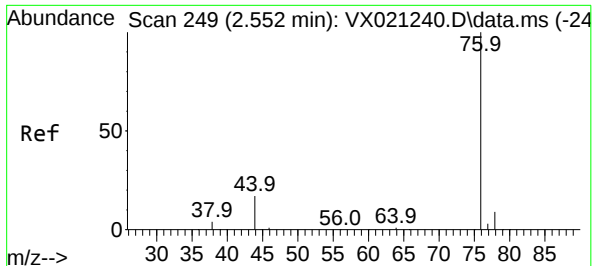
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 515.0 56.4 84.6#



#16
Acetone
Concen: 2.32 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

Tgt Ion: 43 Resp: 1084
Ion Ratio Lower Upper
43 100
58 17.3 27.8 41.8#

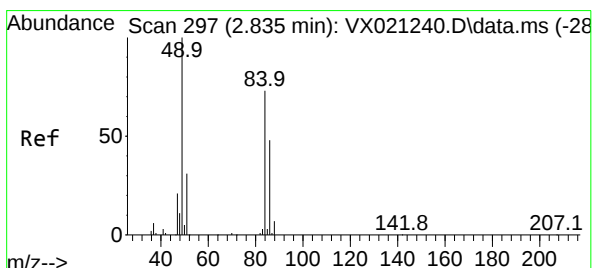
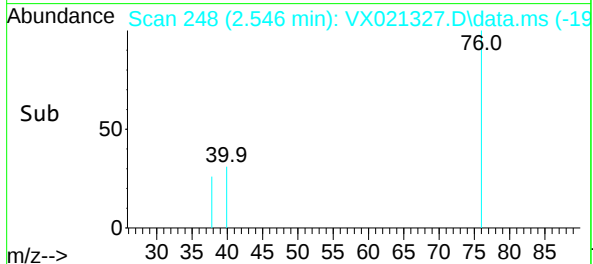
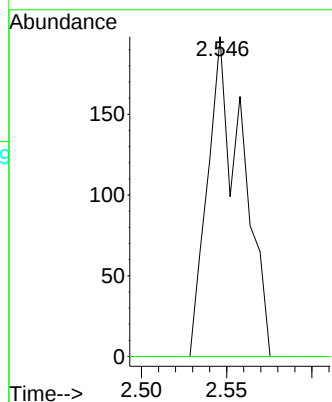
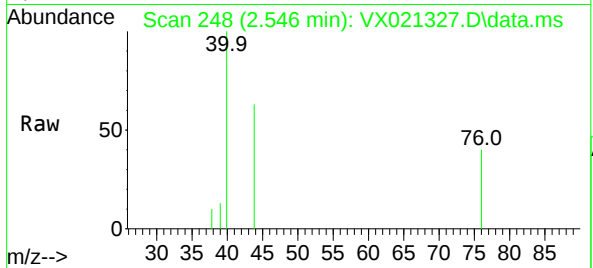




#17
Carbon Disulfide
Concen: 0.66 ug/l
RT: 2.546 min Scan# 248
Delta R.T. -0.006 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

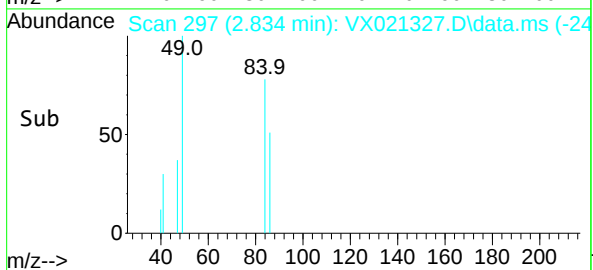
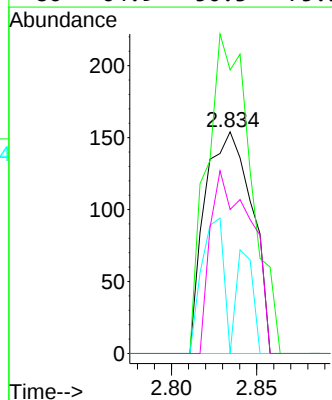
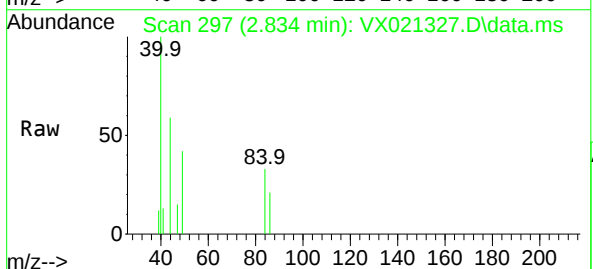
Instrument :
MSVOA_X
ClientSampled :

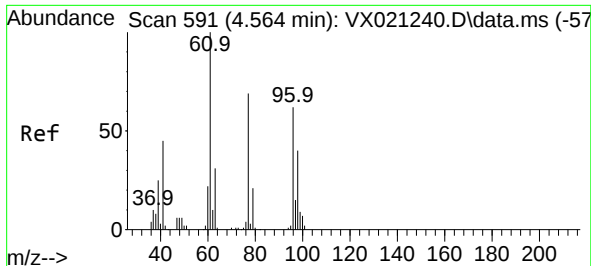
Tgt Ion: 76 Resp: 279
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.31 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.001 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

Tgt Ion: 84 Resp: 295
Ion Ratio Lower Upper
84 100
49 127.9 88.6 132.8
51 0.0 27.0 40.6#
86 64.9 50.3 75.5





#27

cis-1,2-Dichloroethene

Concen: 1.18 ug/l

RT: 4.564 min Scan# 591

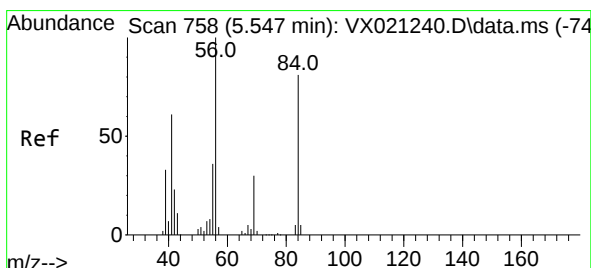
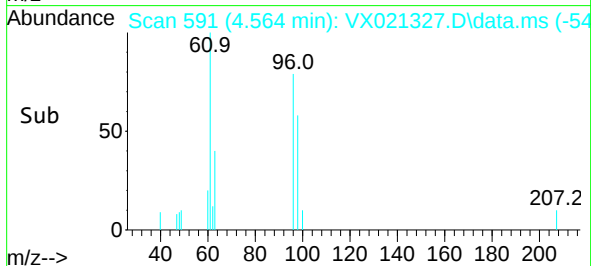
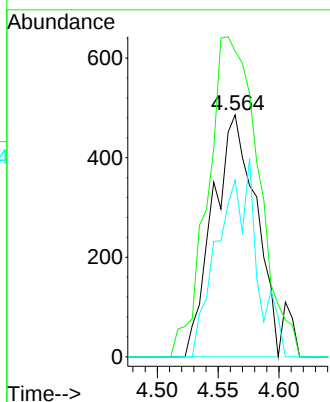
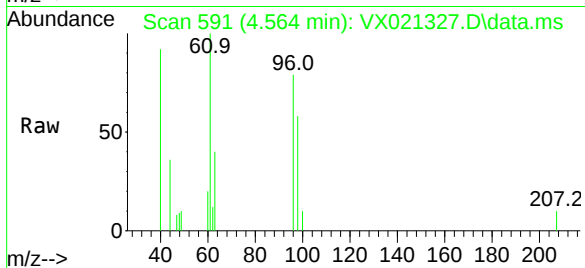
Delta R.T. -0.000 min

Lab File: VX021327.D

Acq: 20 Mar 2021 05:29

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 96	Resp: 1197
Ion Ratio	Lower Upper
96 100	
61 155.8	0.0 285.6
98 71.3	0.0 129.6



#31

Cyclohexane

Concen: 1.42 ug/l

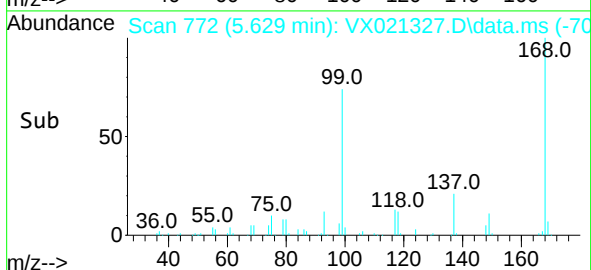
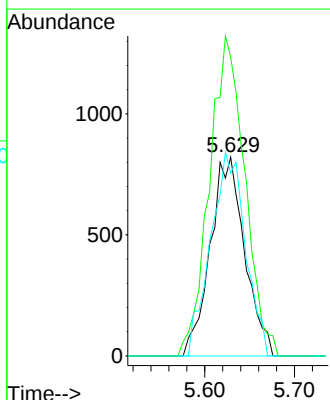
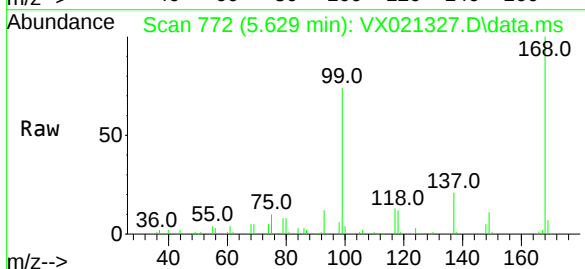
RT: 5.629 min Scan# 772

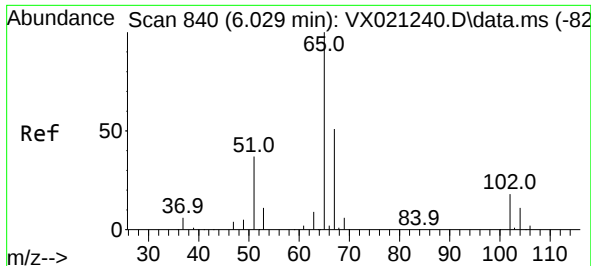
Delta R.T. 0.082 min

Lab File: VX021327.D

Acq: 20 Mar 2021 05:29

Tgt Ion: 56	Resp: 2188		
Ion Ratio	Lower	Upper	
56	100		
69	150.3	25.3	37.9#
84	92.1	71.4	107.0

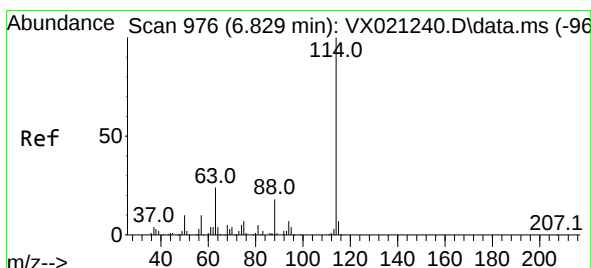
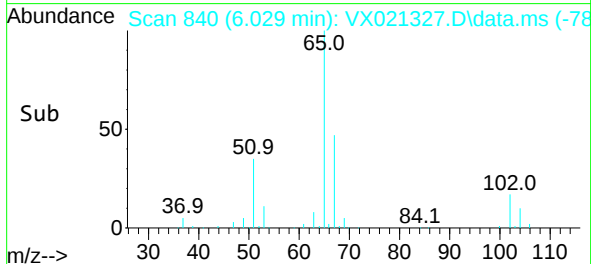
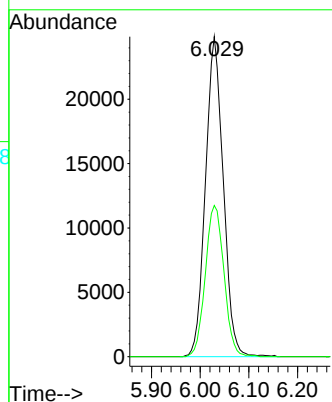
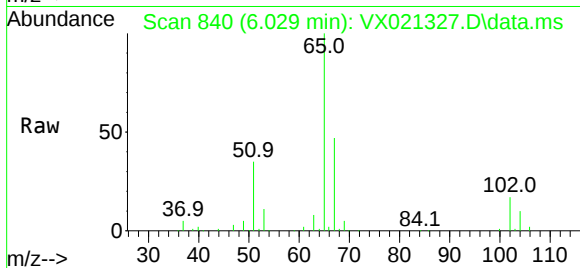




#33
1,2-Dichloroethane-d4
Concen: 49.65 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

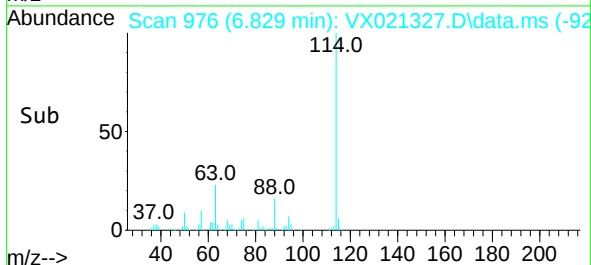
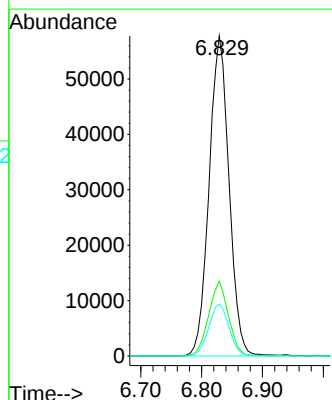
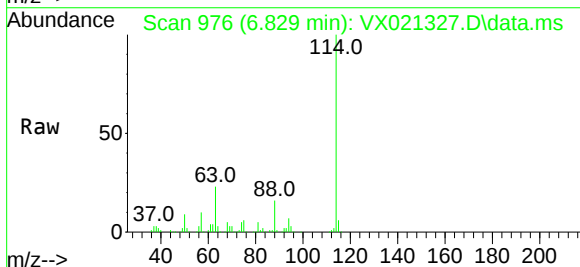
Instrument :
MSVOA_X
ClientSampled :

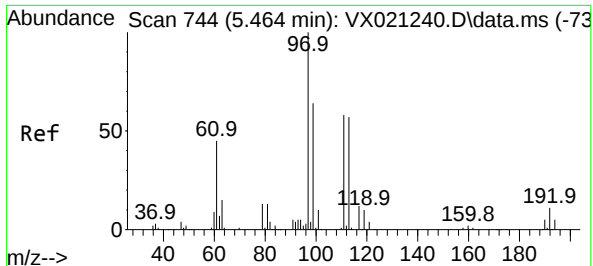
Tgt Ion: 65 Resp: 63096
Ion Ratio Lower Upper
65 100
67 49.5 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

Tgt Ion: 114 Resp: 131270
Ion Ratio Lower Upper
114 100
63 23.4 0.0 40.8
88 16.2 0.0 32.8

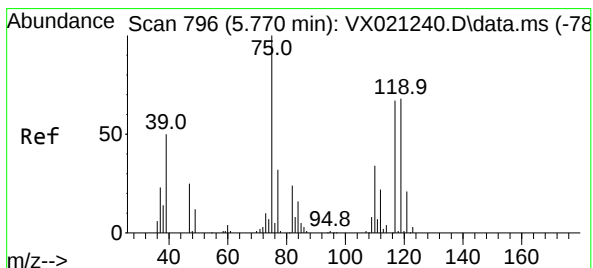
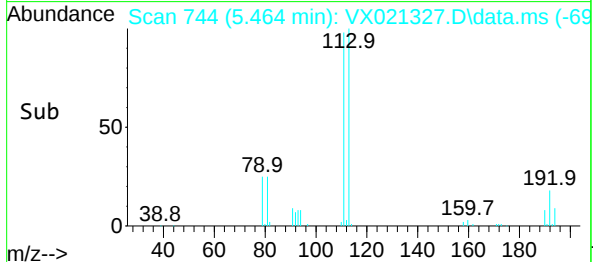
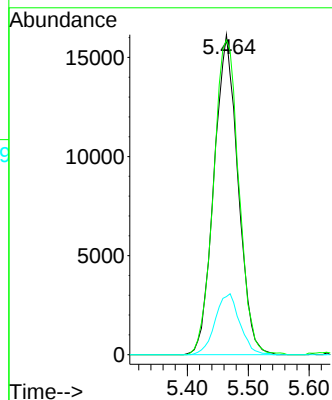
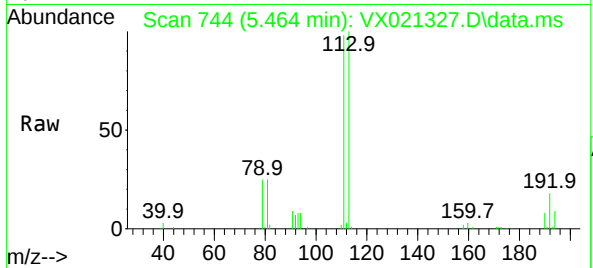




#35
Dibromofluoromethane
Concen: 49.54 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

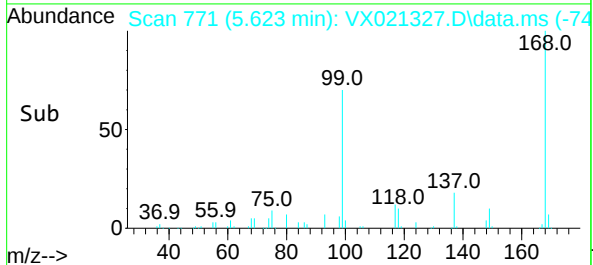
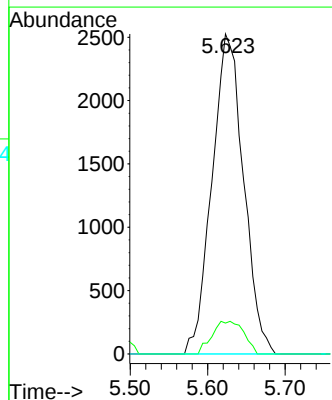
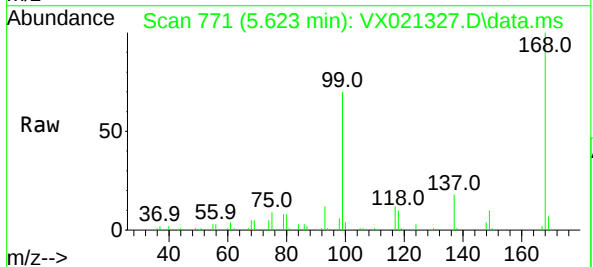
Instrument :
MSVOA_X
ClientSampleId :

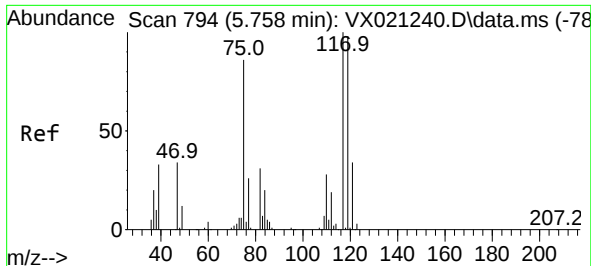
Tgt Ion:113 Resp: 44250
Ion Ratio Lower Upper
113 100
111 103.7 81.9 122.9
192 19.5 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.40 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.147 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

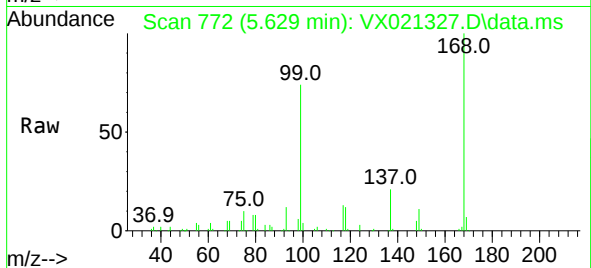
Tgt Ion: 75 Resp: 7146
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.4#
77 0.0 25.3 37.9#



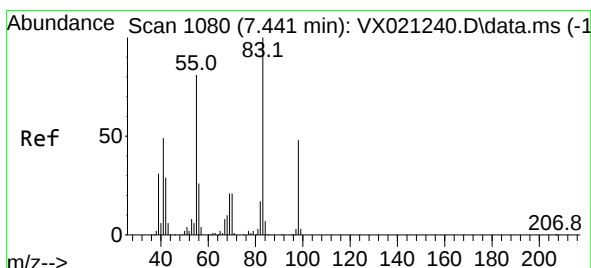
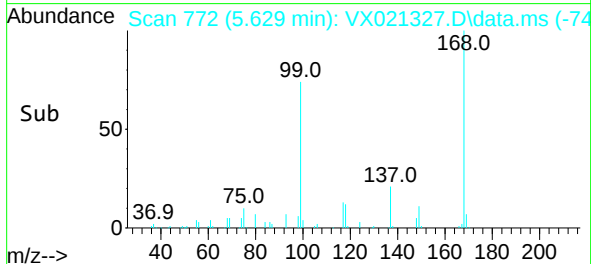
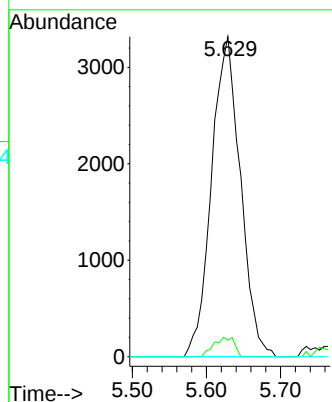


#38
Carbon Tetrachloride
Concen: 6.53 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.129 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

Instrument :
MSVOA_X
ClientSampleId :

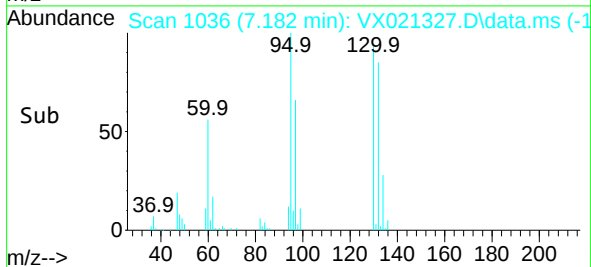
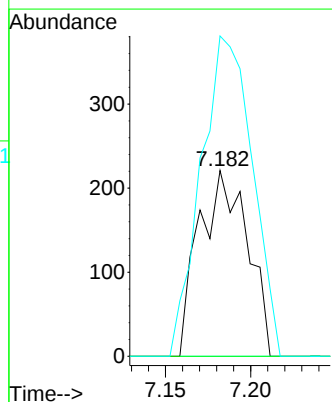
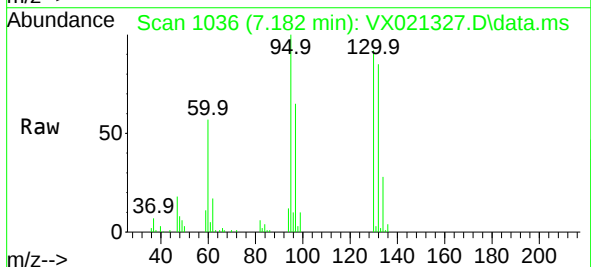


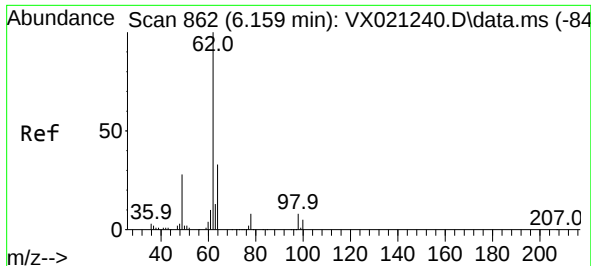
Tgt Ion: 117 Resp: 8974
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.30 ug/l
RT: 7.182 min Scan# 1036
Delta R.T. -0.259 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

Tgt Ion: 83 Resp: 436
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 172.4 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.23 ug/l

RT: 6.152 min Scan# 861

Delta R.T. -0.007 min

Lab File: VX021327.D

Acq: 20 Mar 2021 05:29

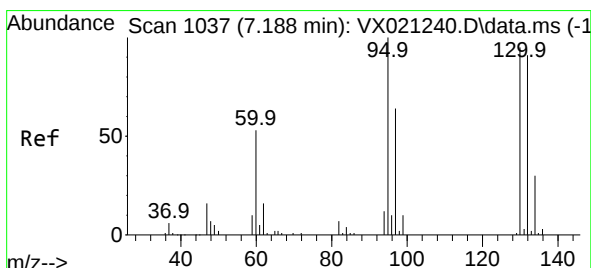
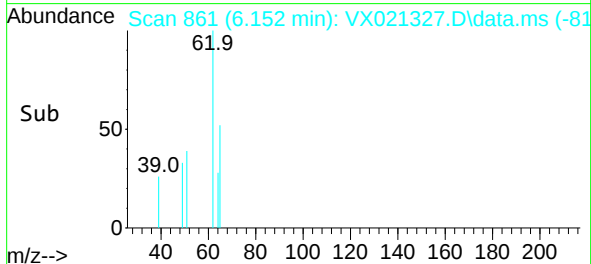
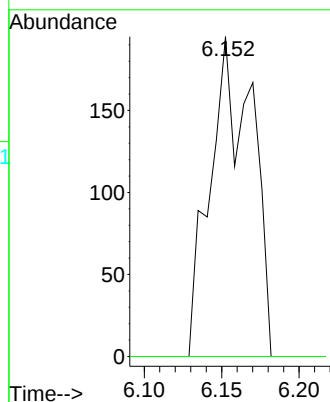
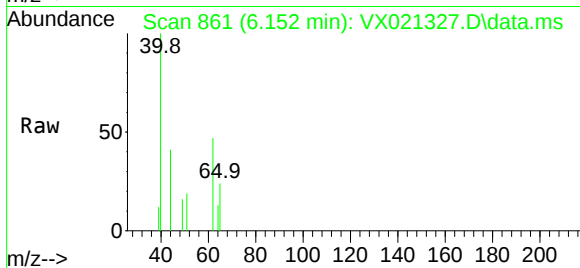
Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 62 Resp: 367

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 30.66 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VX021327.D

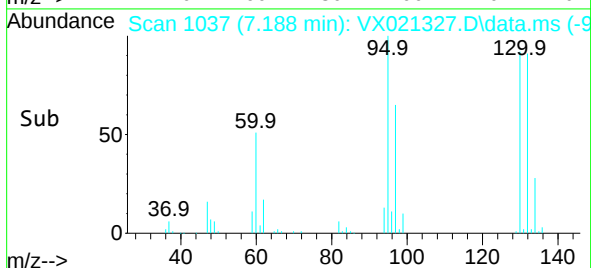
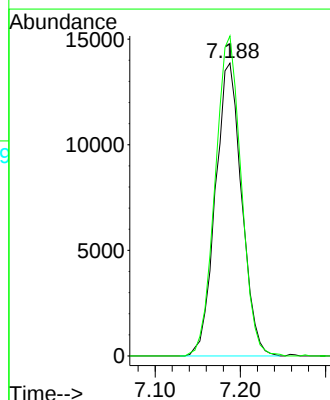
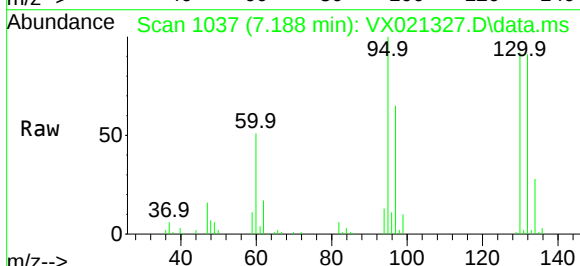
Acq: 20 Mar 2021 05:29

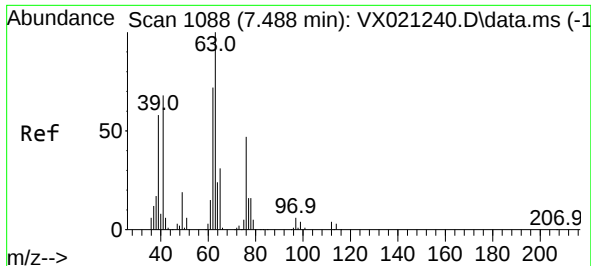
Tgt Ion:130 Resp: 29689

Ion Ratio Lower Upper

130 100

95 109.3 0.0 198.0

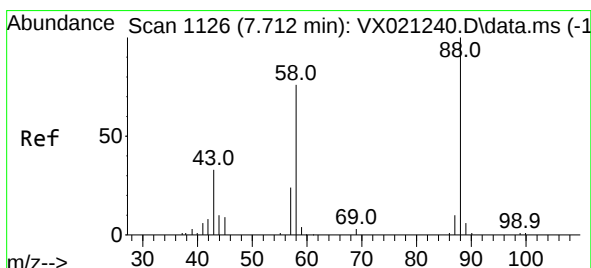
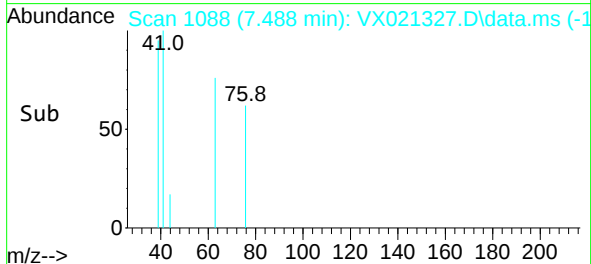
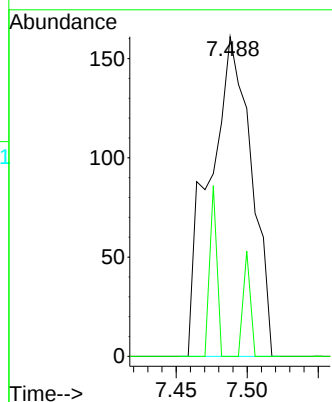
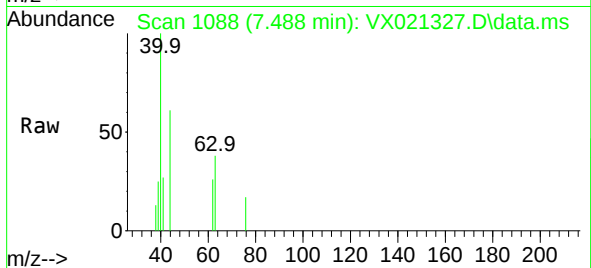




#45
1,2-Dichloropropane
Concen: 0.34 ug/l
RT: 7.488 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

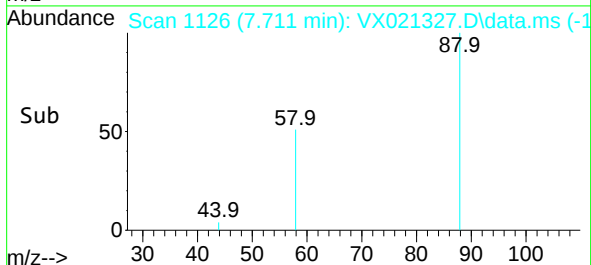
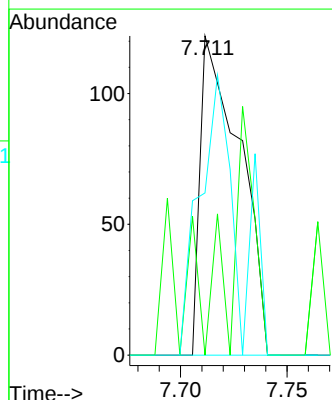
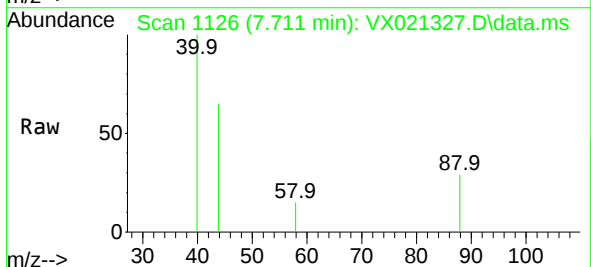
Instrument :
MSVOA_X
ClientSampled :

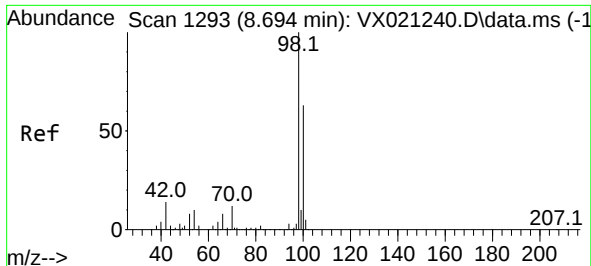
Tgt Ion: 63 Resp: 331
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.711 min Scan# 1126
Delta R.T. -0.001 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

Tgt Ion: 88 Resp: 157
Ion Ratio Lower Upper
88 100
43 45.2 23.2 34.8#
58 84.7 55.0 82.4#

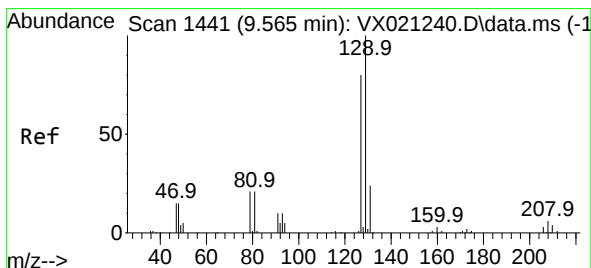
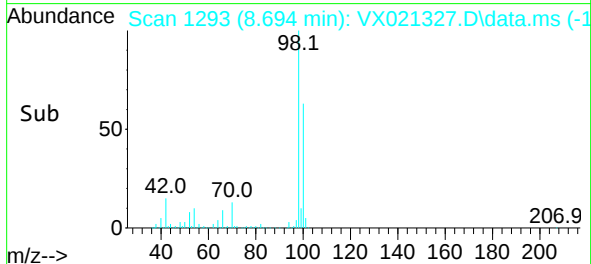
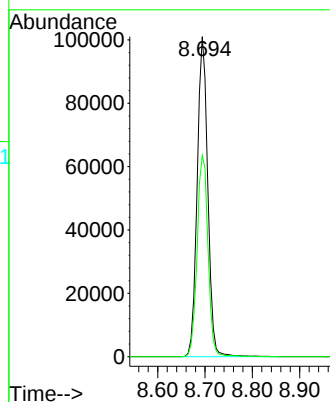
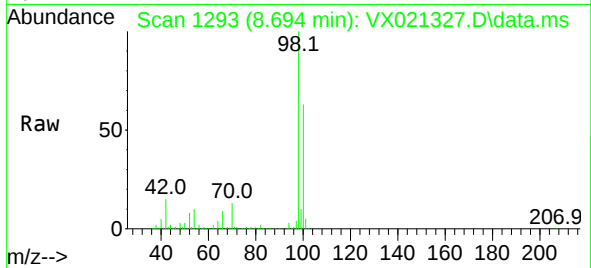




#50
Toluene-d8
Concen: 48.41 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

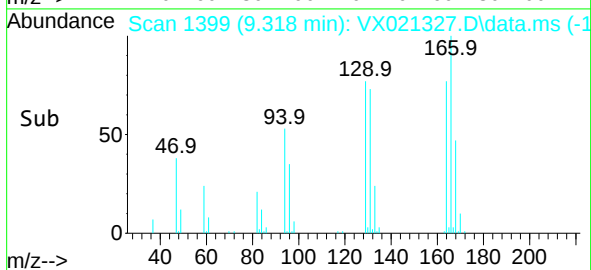
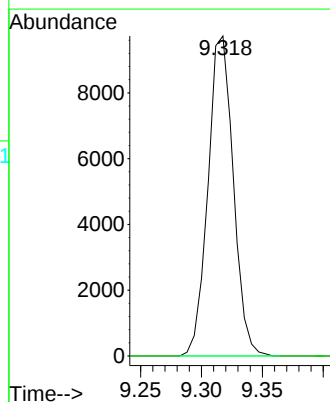
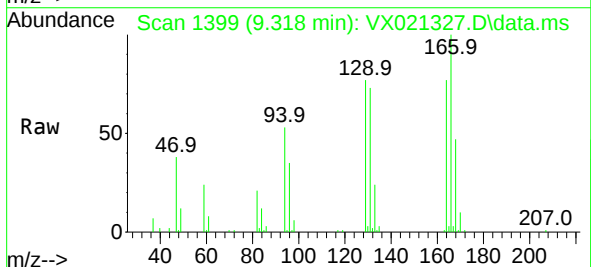
Instrument :
MSVOA_X
ClientSampled :

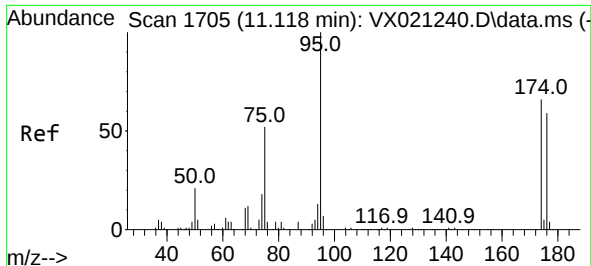
Tgt Ion: 98 Resp: 156880
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#60
Dibromochloromethane
Concen: 13.40 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

Tgt Ion: 129 Resp: 14078
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

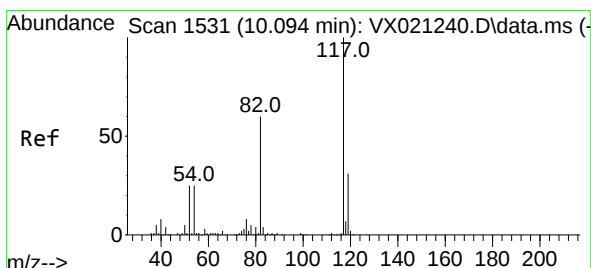
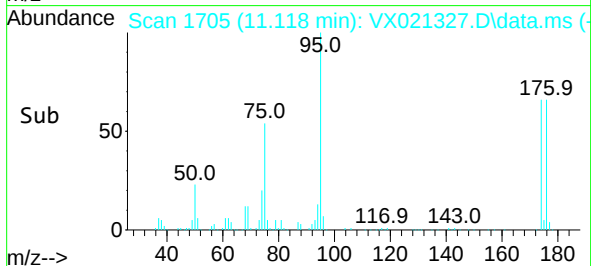
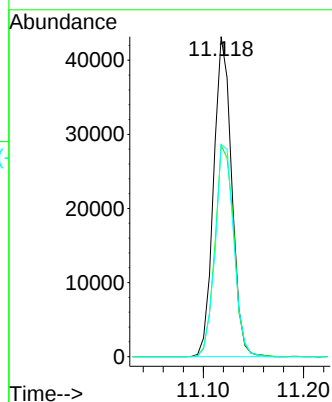
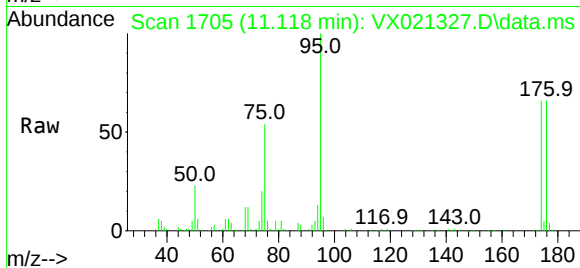




#62
4-Bromofluorobenzene
Concen: 42.89 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

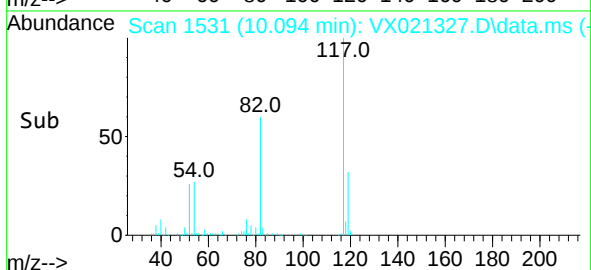
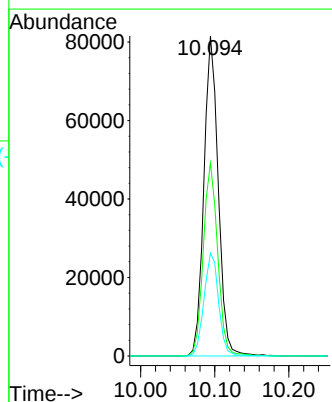
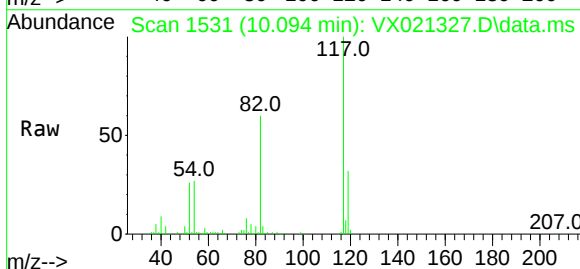
Instrument :
MSVOA_X
ClientSampleId :

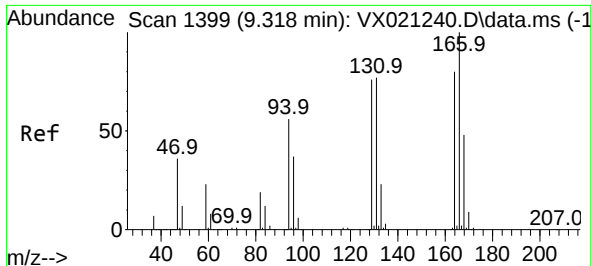
Tgt Ion: 95 Resp: 53982
Ion Ratio Lower Upper
95 100
174 69.2 0.0 154.6
176 68.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

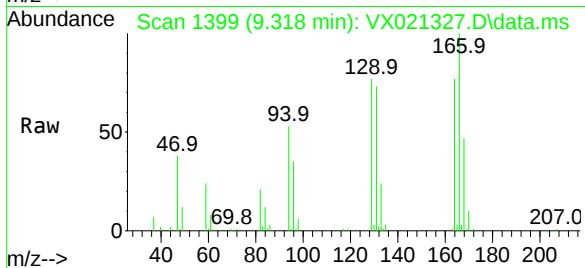
Tgt Ion: 117 Resp: 109729
Ion Ratio Lower Upper
117 100
82 60.3 47.4 71.2
119 32.1 26.6 39.8



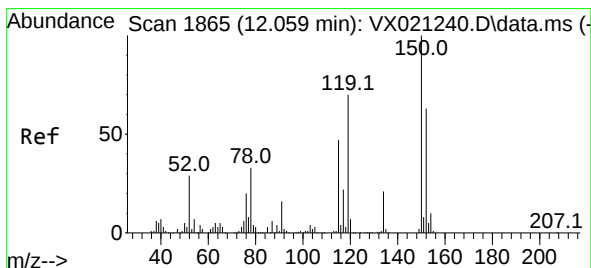
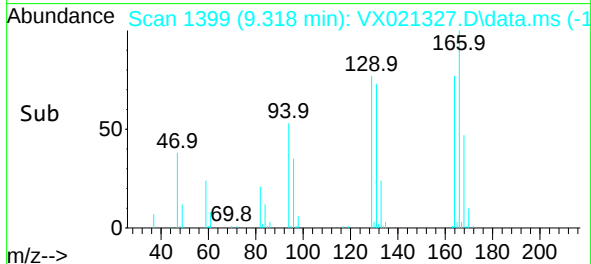
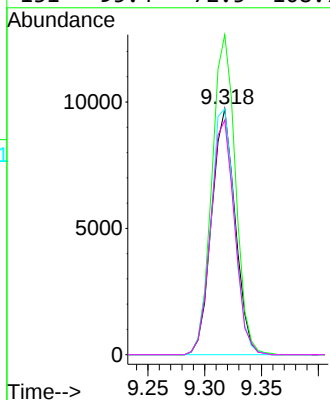


#64
Tetrachloroethene
Concen: 17.07 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

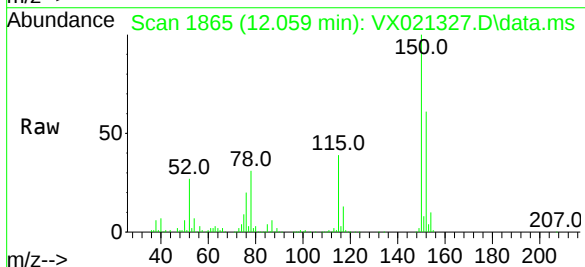
Instrument :
MSVOA_X
ClientSampleId :



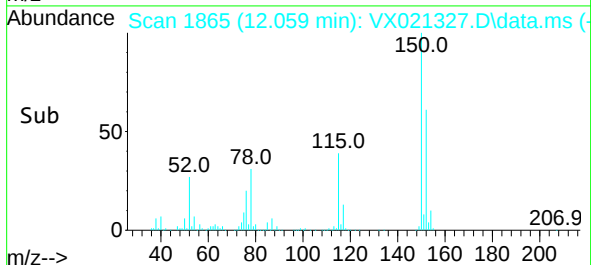
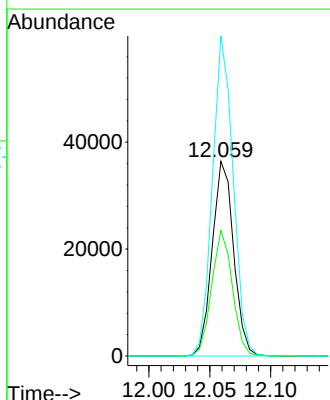
Tgt Ion:	164	Resp:	13992
Ion	Ratio	Lower	Upper
164	100		
166	130.2	103.4	155.2
129	100.0	70.8	106.2
131	95.4	72.5	108.7

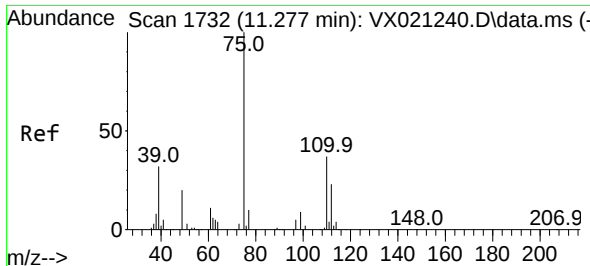


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29



Tgt Ion:	152	Resp:	44561
Ion	Ratio	Lower	Upper
152	100		
115	62.4	41.1	123.3
150	159.2	0.0	349.0

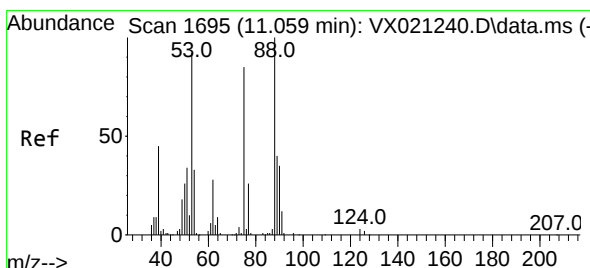
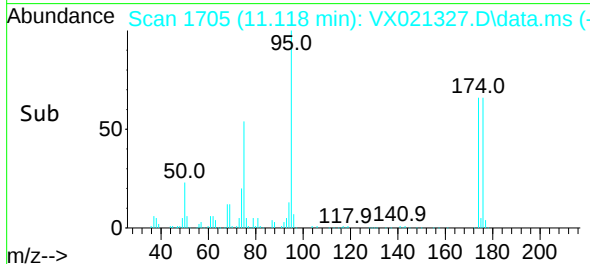
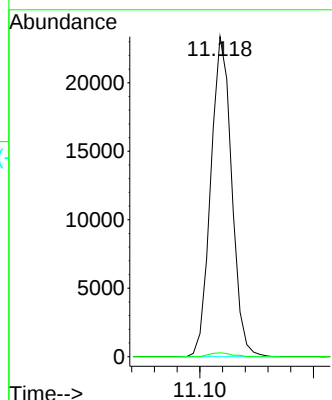
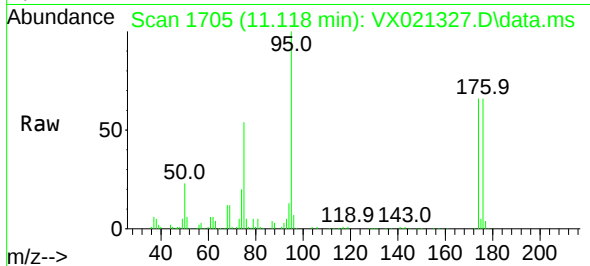




#76
1,2,3-Trichloropropane
Concen: 28.93 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 29903
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.54 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021327.D
Acq: 20 Mar 2021 05:29

Tgt Ion: 75 Resp: 29903
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

