

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032121\
 Data File : VX021332.D
 Acq On : 20 Mar 2021 07:26
 Operator : JC/MD
 Sample : M1735-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D2-20210316

Quant Time: Mar 20 07:57:35 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	71529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.823	114	117296	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	101149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	42497	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	57357	48.89	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.78%
35) Dibromofluoromethane	5.464	113	41421	51.90	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.80%
50) Toluene-d8	8.694	98	144314	49.83	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.66%
62) 4-Bromofluorobenzene	11.118	95	49917	44.38	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.76%

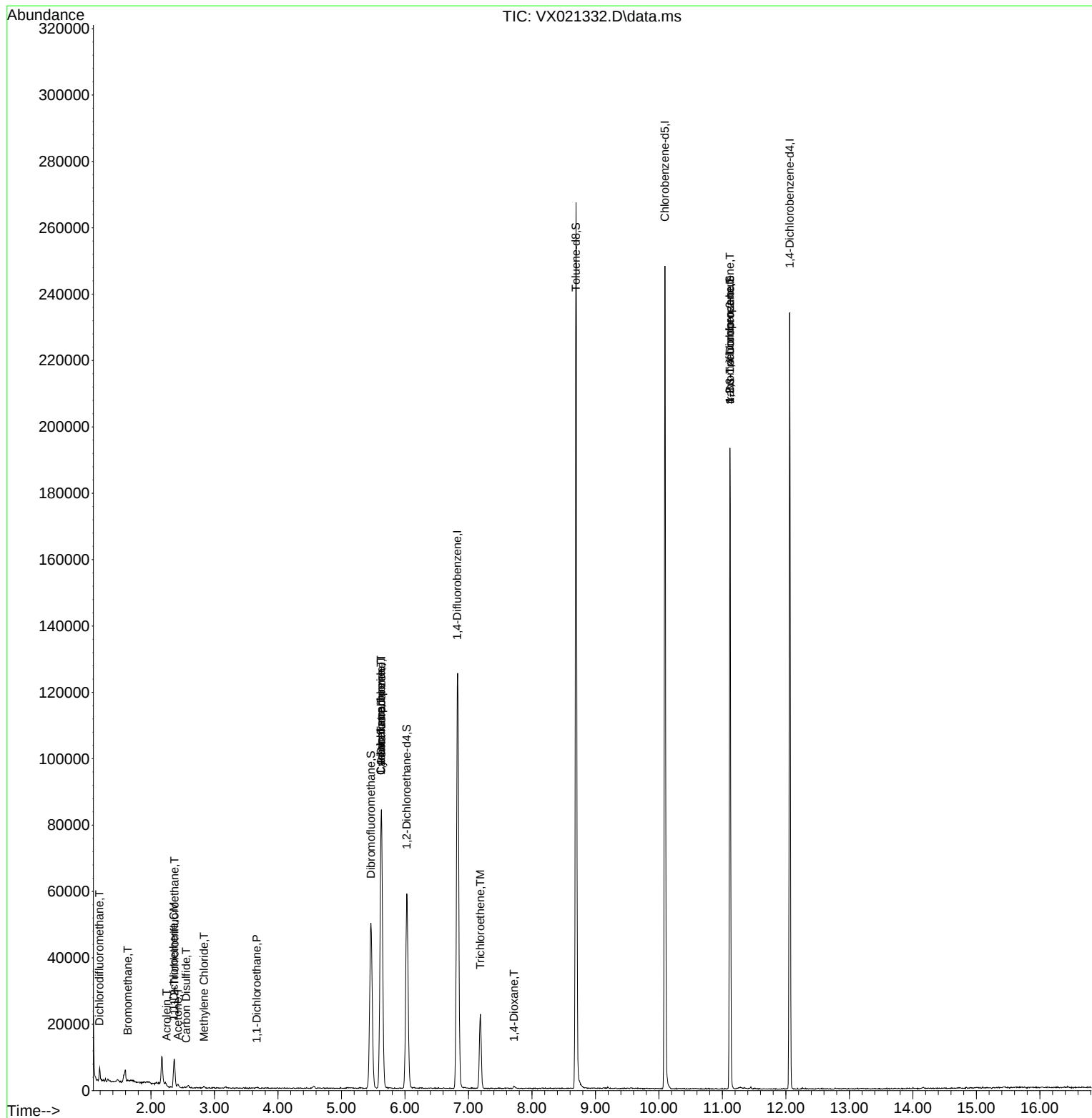
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	1496	1.75	ug/l	94
3) Chloromethane	1.317	50	893	Below Cal	#	72
5) Bromomethane	1.634	94	133	0.35	ug/l #	56
9) 1,1,2-Trichlorotrifluo...	2.370	101	3080	4.12	ug/l	95
12) 1,1-Dichloroethene	2.358	96	183	0.25	ug/l #	72
13) Acrolein	2.246	56	25	3.33	ug/l #	14
16) Acetone	2.423	43	1090	2.53	ug/l	99
17) Carbon Disulfide	2.552	76	119	0.59	ug/l #	75
20) Methylene Chloride	2.834	84	219	0.25	ug/l #	80
24) 1,1-Dichloroethane	3.664	63	445	0.29	ug/l #	81
31) Cyclohexane	5.623	56	2120	1.49	ug/l #	45
36) 1,1-Dichloropropene	5.623	75	6582	5.57	ug/l #	49
38) Carbon Tetrachloride	5.623	117	7992	6.51	ug/l #	16
44) Trichloroethene	7.188	130	7263	8.40	ug/l	87
49) 1,4-Dioxane	7.717	88	517	14.45	ug/l	97
76) 1,2,3-Trichloropropane	11.118	75	28819	29.23	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.118	75	28819	79.37	ug/l #	12

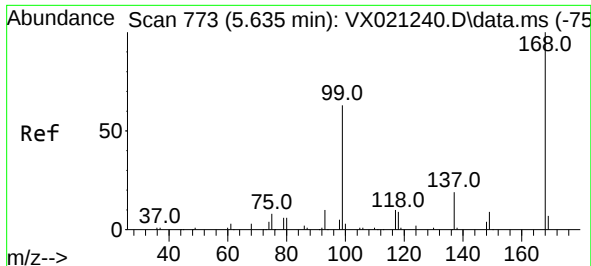
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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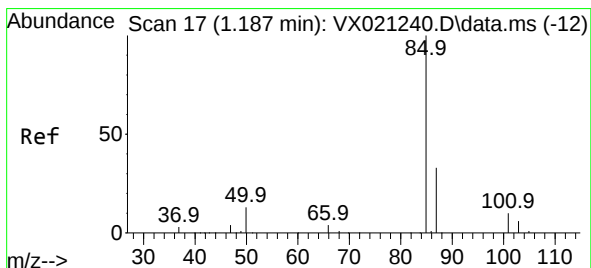
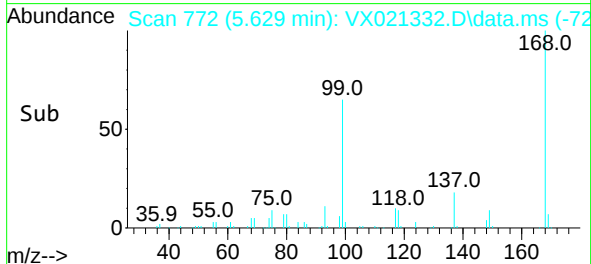
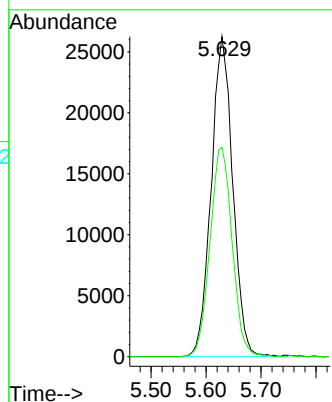
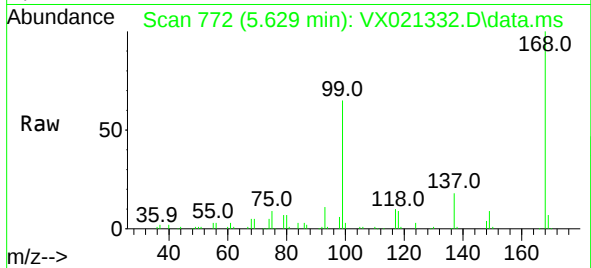




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021332.D
Acq: 20 Mar 2021 07:26

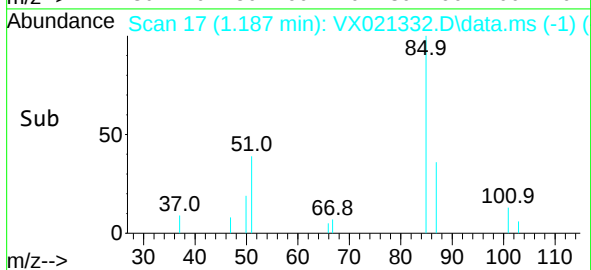
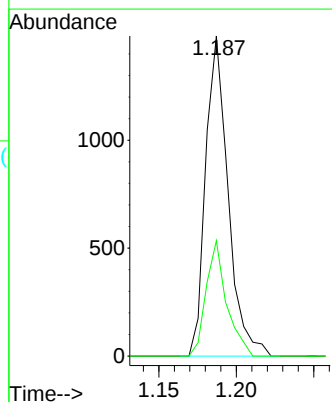
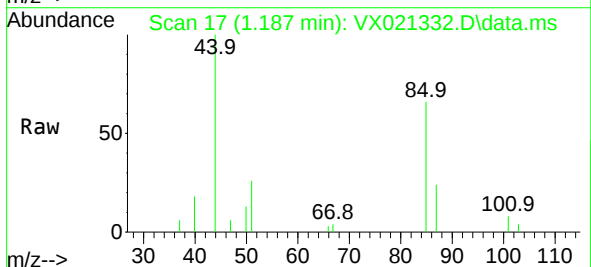
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20210316

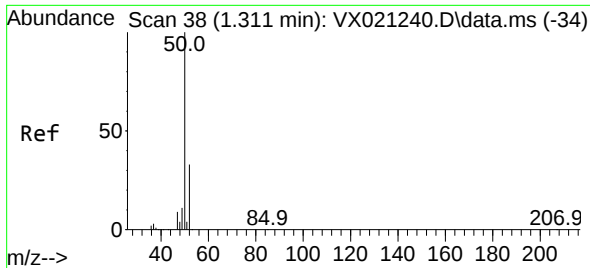
Tgt Ion:168 Resp: 71529
Ion Ratio Lower Upper
168 100
99 65.5 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 1.75 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021332.D
Acq: 20 Mar 2021 07:26

Tgt Ion: 85 Resp: 1496
Ion Ratio Lower Upper
85 100
87 36.1 16.4 49.2

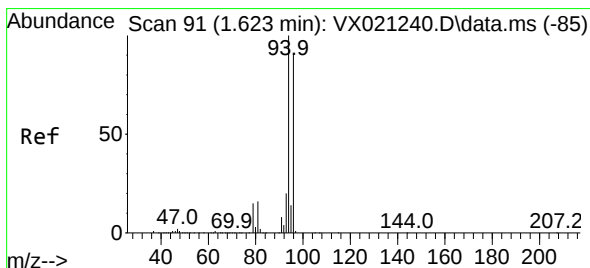
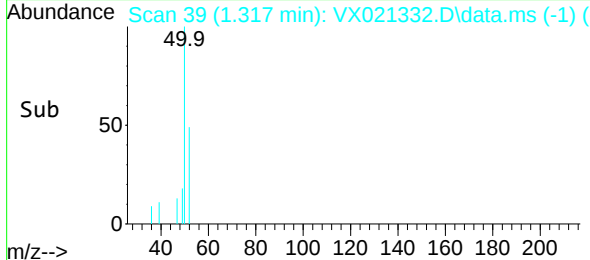
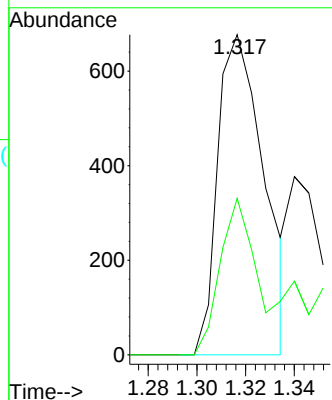
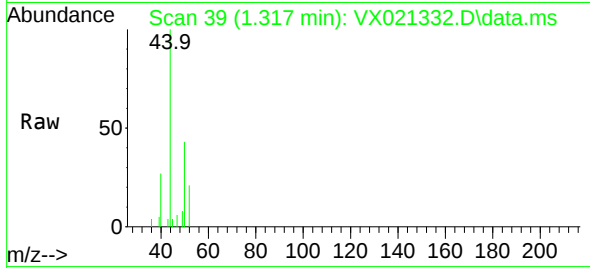




#3
Chloromethane
Concen: Below Cal
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021332.D
Acq: 20 Mar 2021 07:26

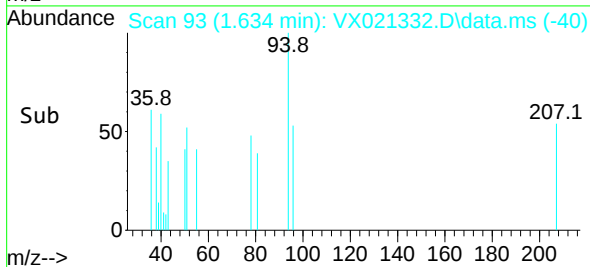
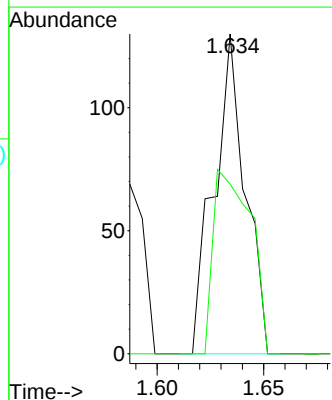
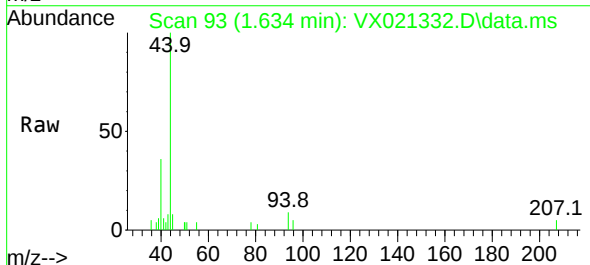
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20210316

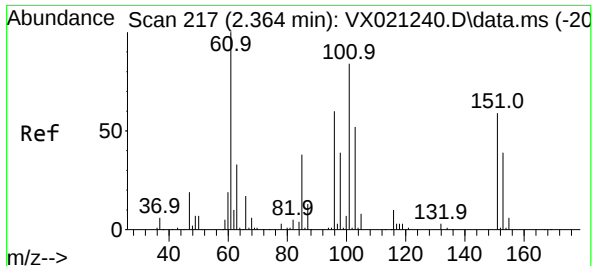
Tgt Ion: 50 Resp: 893
Ion Ratio Lower Upper
50 100
52 48.9 26.4 39.6#



#5
Bromomethane
Concen: 0.35 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021332.D
Acq: 20 Mar 2021 07:26

Tgt Ion: 94 Resp: 133
Ion Ratio Lower Upper
94 100
96 53.1 76.4 114.6#

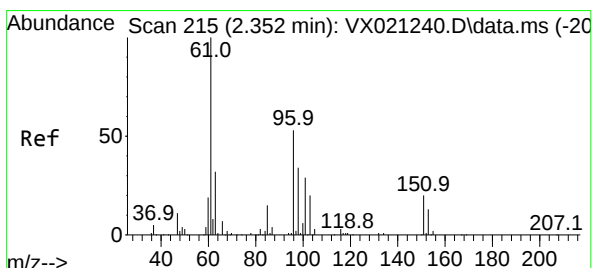
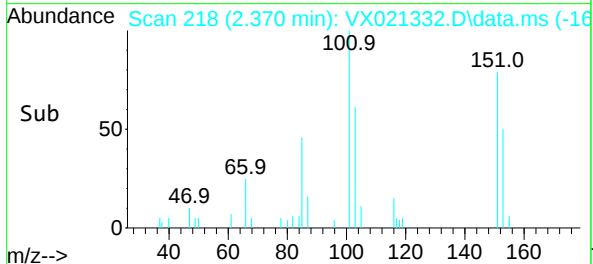
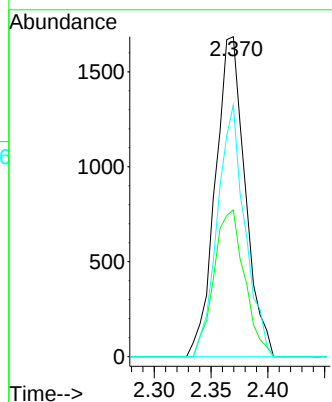
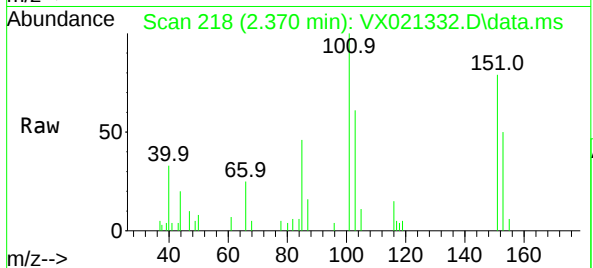




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.12 ug/l
RT: 2.370 min Scan# 218
Delta R.T. 0.006 min
Lab File: VX021332.D
Acq: 20 Mar 2021 07:26

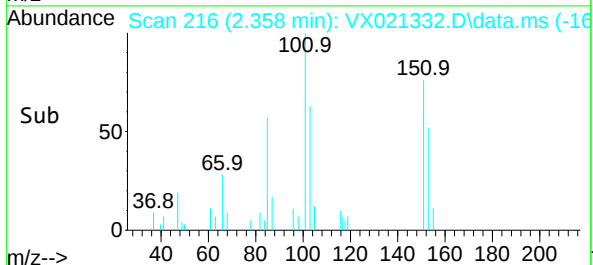
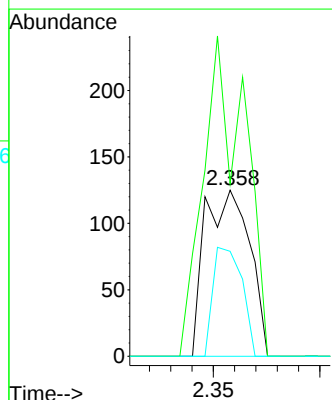
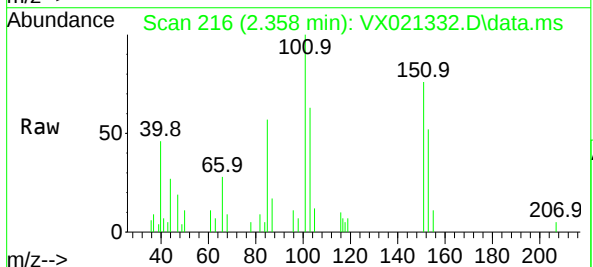
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20210316

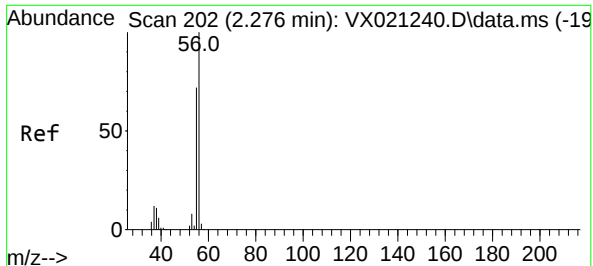
Tgt Ion:101 Resp: 3080
Ion Ratio Lower Upper
101 100
85 47.0 34.9 52.3
151 72.5 61.4 92.2



#12
1,1-Dichloroethene
Concen: 0.25 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021332.D
Acq: 20 Mar 2021 07:26

Tgt Ion: 96 Resp: 183
Ion Ratio Lower Upper
96 100
61 104.0 124.6 187.0#
98 63.2 50.6 76.0

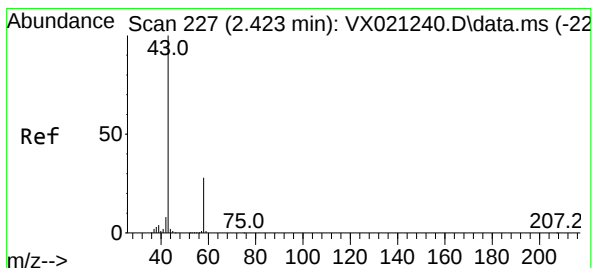
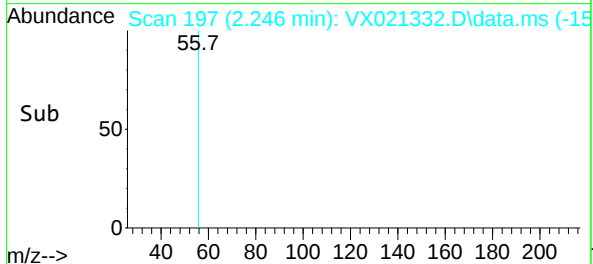
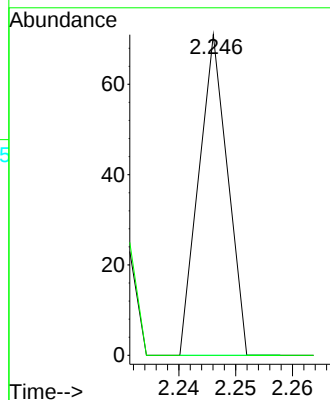
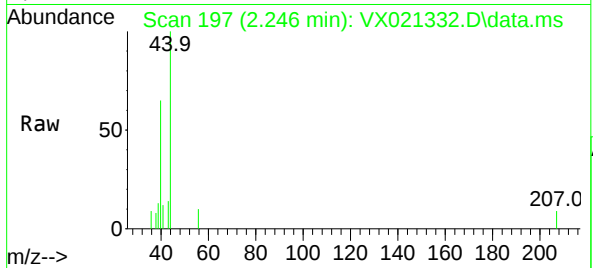




#13
Acrolein
Concen: 3.33 ug/l
RT: 2.246 min Scan# 197
Delta R.T. -0.030 min
Lab File: VX021332.D
Acq: 20 Mar 2021 07:26

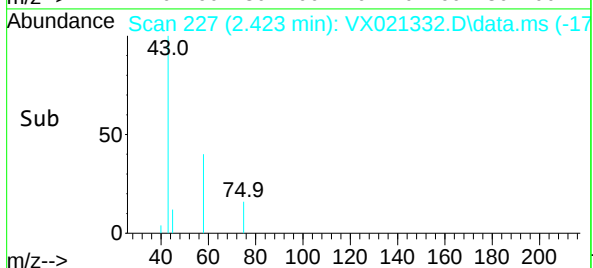
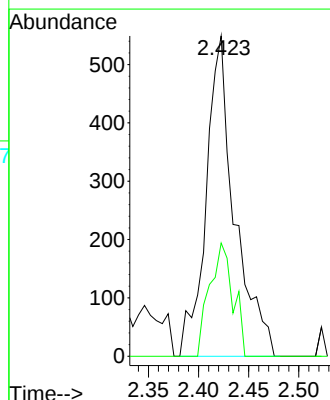
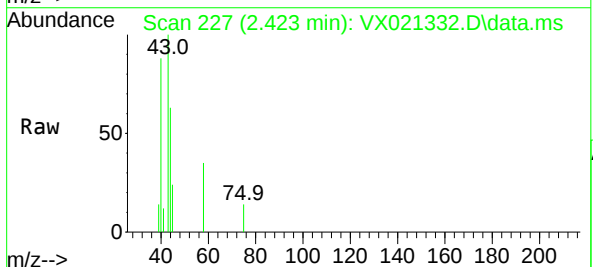
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20210316

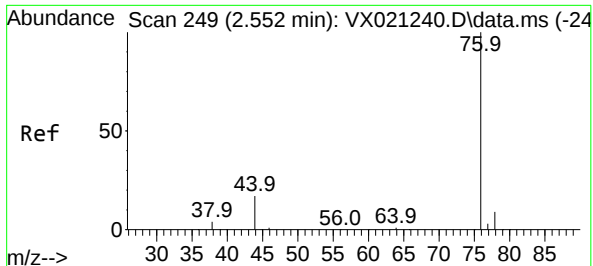
Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 2.53 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021332.D
Acq: 20 Mar 2021 07:26

Tgt Ion: 43 Resp: 1090
Ion Ratio Lower Upper
43 100
58 35.3 27.8 41.8

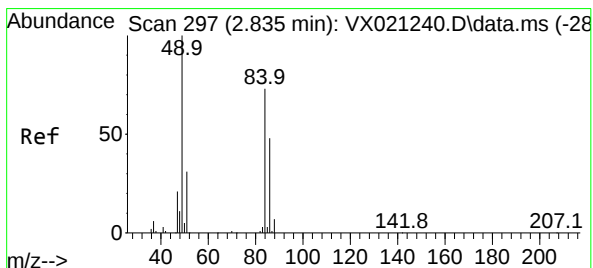
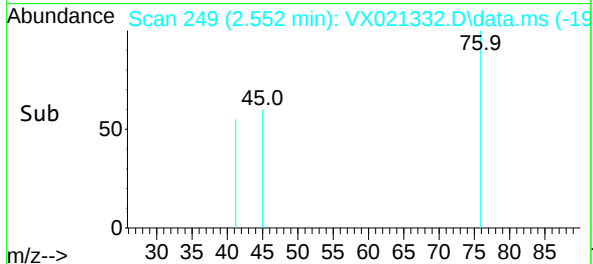
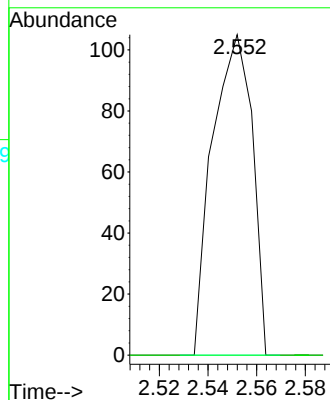
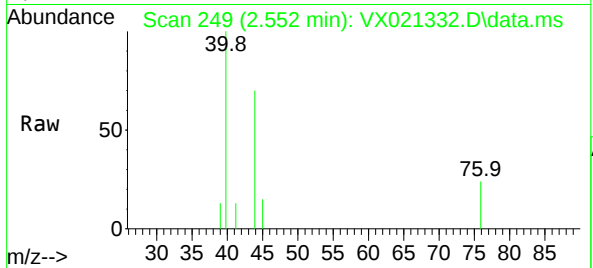




#17
Carbon Disulfide
Concen: 0.59 ug/l
RT: 2.552 min Scan# 249
Delta R.T. -0.000 min
Lab File: VX021332.D
Acq: 20 Mar 2021 07:26

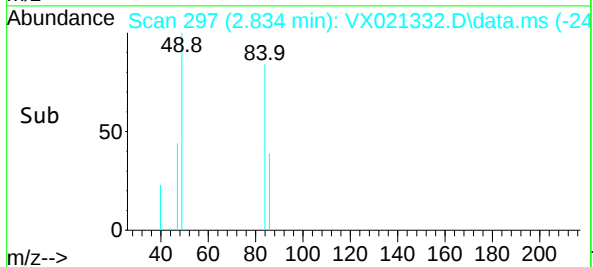
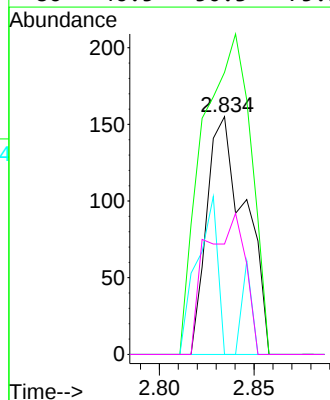
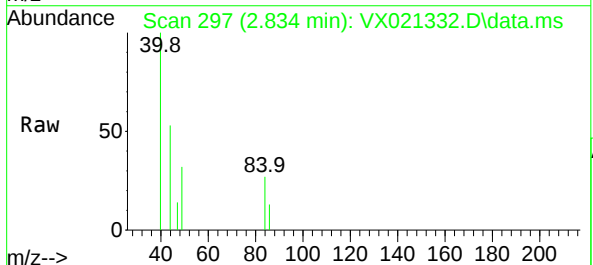
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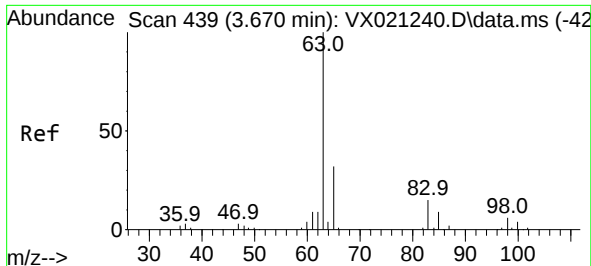
Tgt Ion: 76 Resp: 119
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.25 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.001 min
Lab File: VX021332.D
Acq: 20 Mar 2021 07:26

Tgt Ion: 84 Resp: 219
Ion Ratio Lower Upper
84 100
49 118.7 88.6 132.8
51 0.0 27.0 40.6#
86 46.5 50.3 75.5#

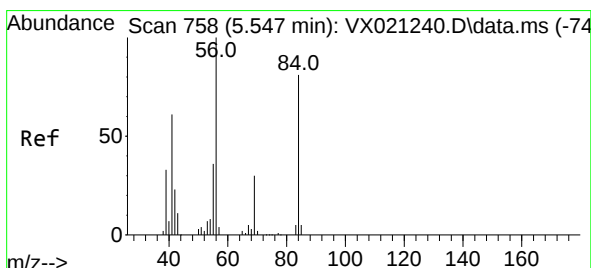
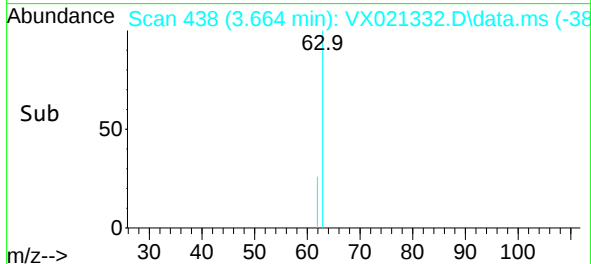
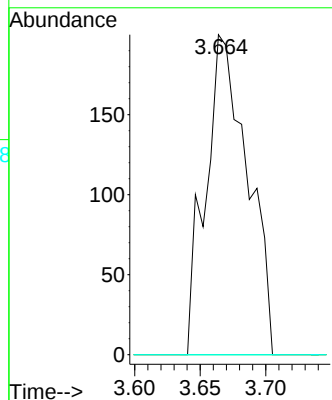
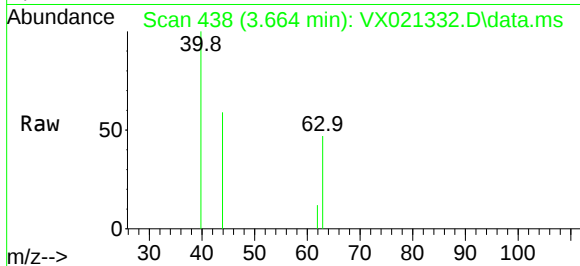




#24
1,1-Dichloroethane
Concen: 0.29 ug/l
RT: 3.664 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX021332.D
Acq: 20 Mar 2021 07:26

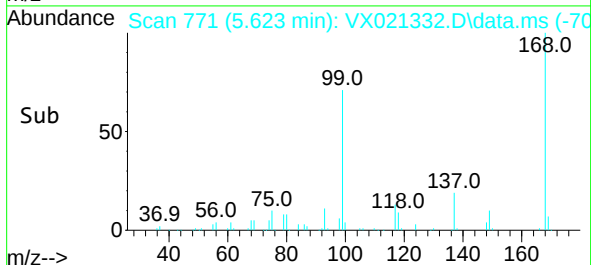
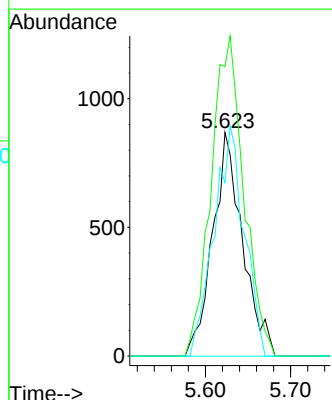
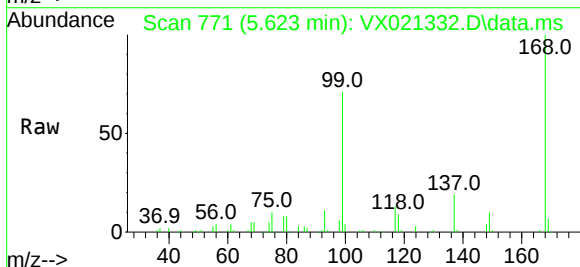
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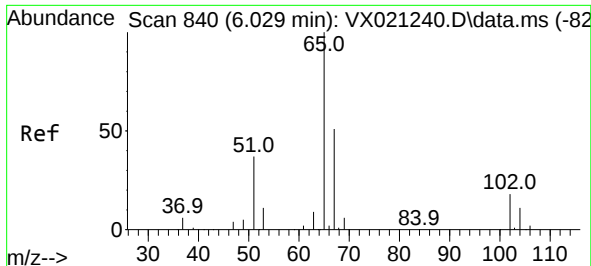
Tgt Ion: 63 Resp: 445
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#31
Cyclohexane
Concen: 1.49 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX021332.D
Acq: 20 Mar 2021 07:26

Tgt Ion: 56 Resp: 2120
Ion Ratio Lower Upper
56 100
69 129.5 25.3 37.9#
84 77.6 71.4 107.0





#33

1,2-Dichloroethane-d4

Concen: 48.89 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

Lab File: VX021332.D

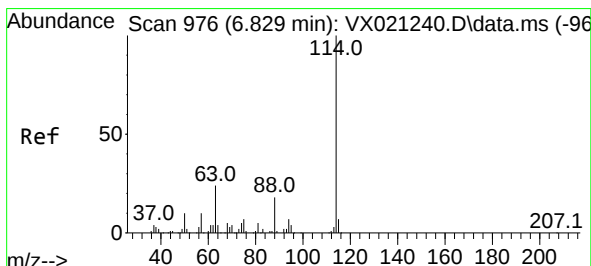
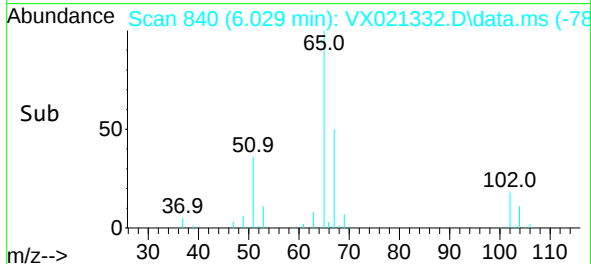
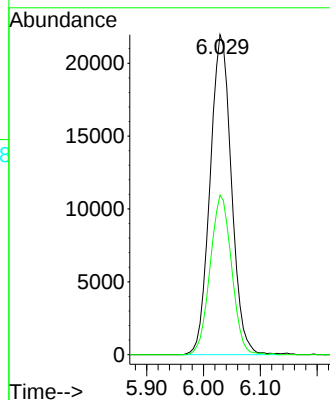
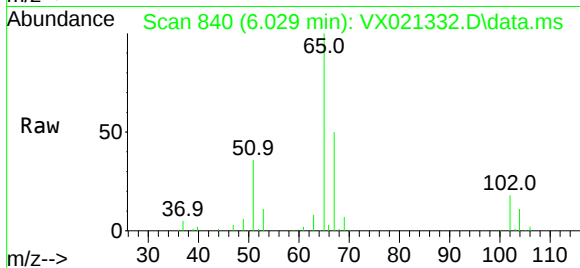
Acq: 20 Mar 2021 07:26

Tgt Ion: 65 Resp: 57357

Ion Ratio Lower Upper

65 100

67 50.0 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.823 min Scan# 975

Delta R.T. -0.006 min

Lab File: VX021332.D

Acq: 20 Mar 2021 07:26

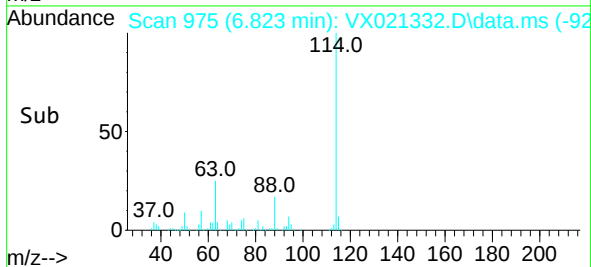
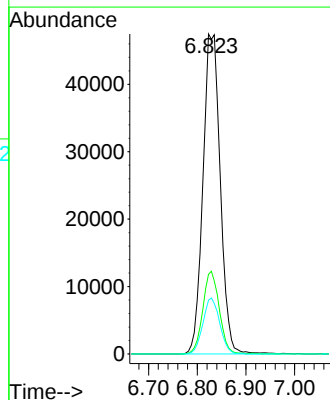
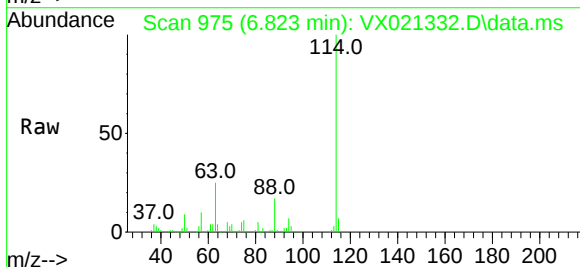
Tgt Ion: 114 Resp: 117296

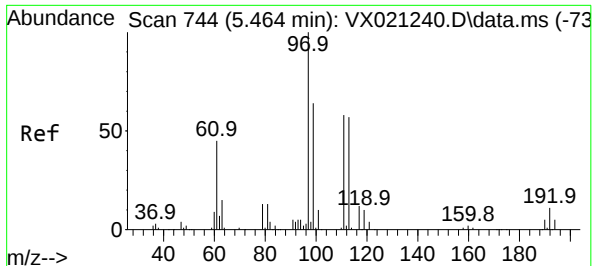
Ion Ratio Lower Upper

114 100

63 24.9 0.0 40.8

88 16.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.90 ug/l

RT: 5.464 min Scan# 744

Delta R.T. 0.000 min

Lab File: VX021332.D

Acq: 20 Mar 2021 07:26

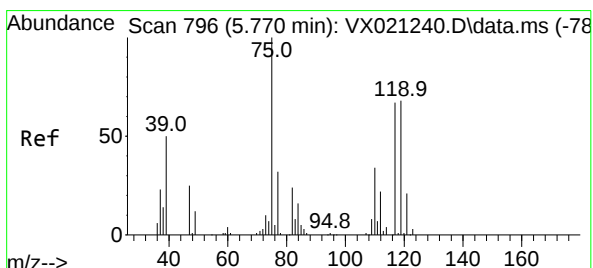
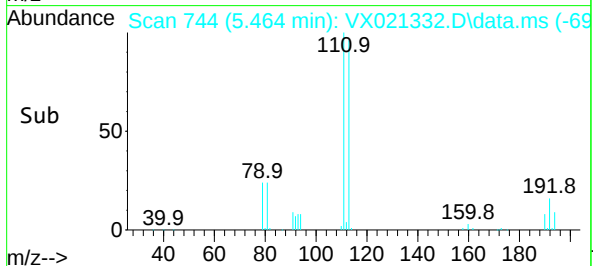
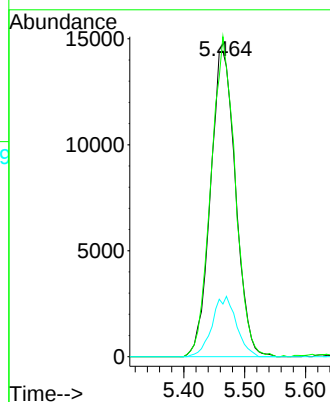
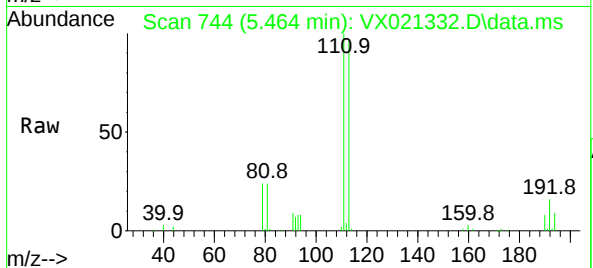
Tgt Ion:113 Resp: 41421

Ion Ratio Lower Upper

113 100

111 100.8 81.9 122.9

192 19.0 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.57 ug/l

RT: 5.623 min Scan# 771

Delta R.T. -0.147 min

Lab File: VX021332.D

Acq: 20 Mar 2021 07:26

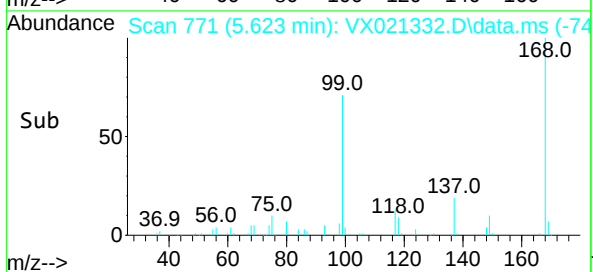
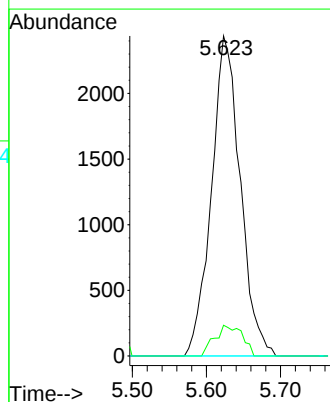
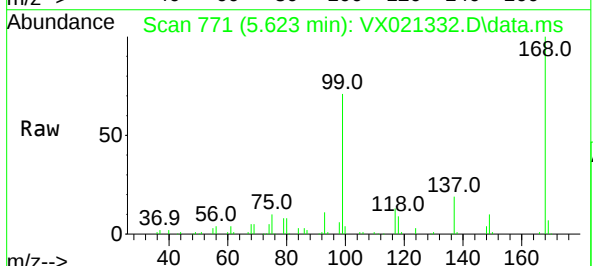
Tgt Ion: 75 Resp: 6582

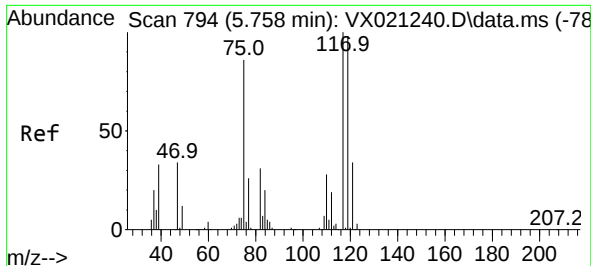
Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.4#

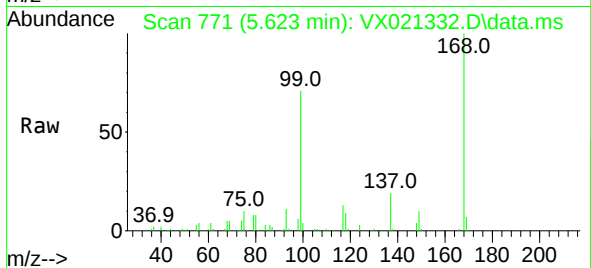
77 0.0 25.3 37.9#



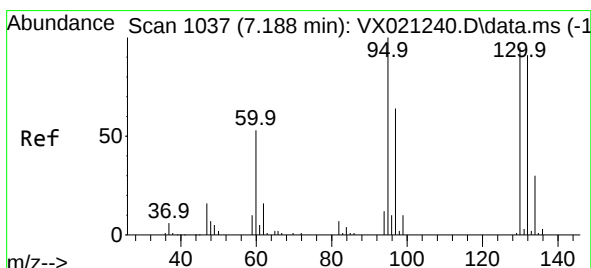
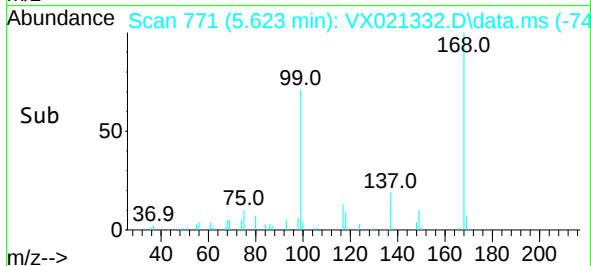
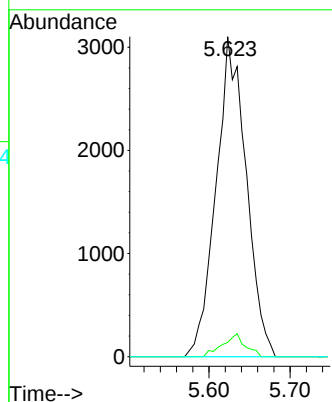


#38
Carbon Tetrachloride
Concen: 6.51 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.135 min
Lab File: VX021332.D
Acq: 20 Mar 2021 07:26

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20210316

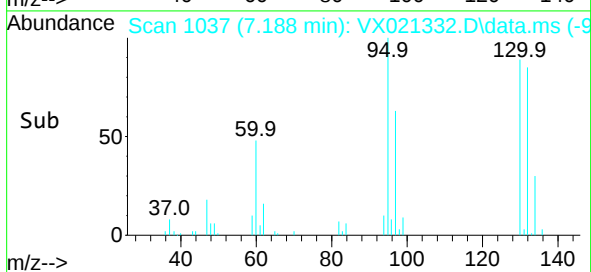
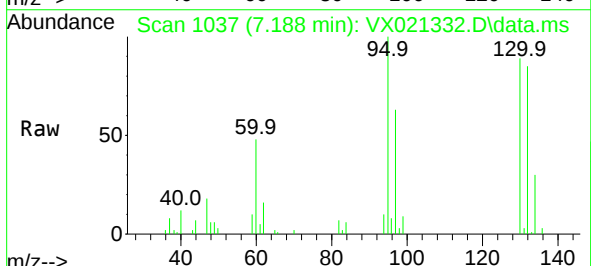
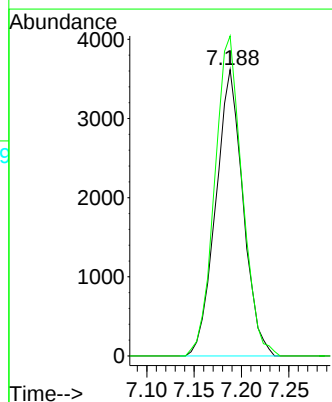


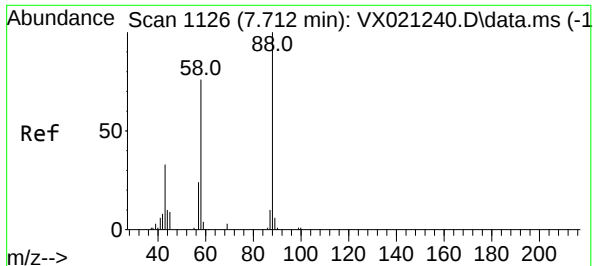
Tgt Ion:117 Resp: 7992
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 8.40 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VX021332.D
Acq: 20 Mar 2021 07:26

Tgt Ion:130 Resp: 7263
Ion Ratio Lower Upper
130 100
95 111.7 0.0 198.0

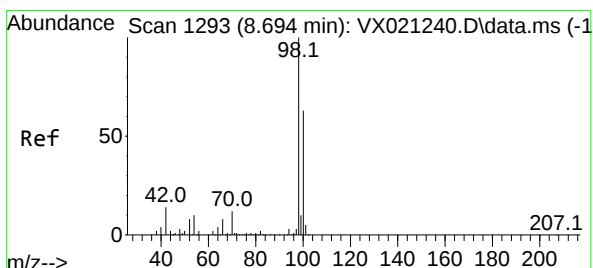
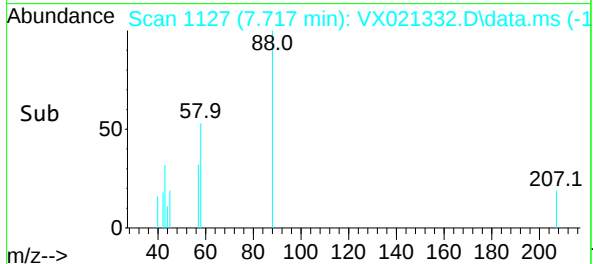
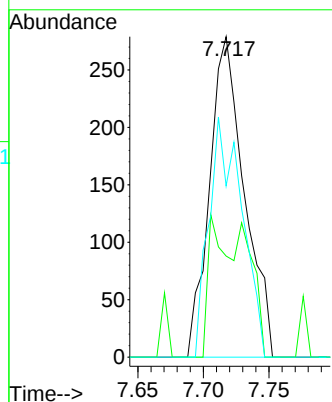
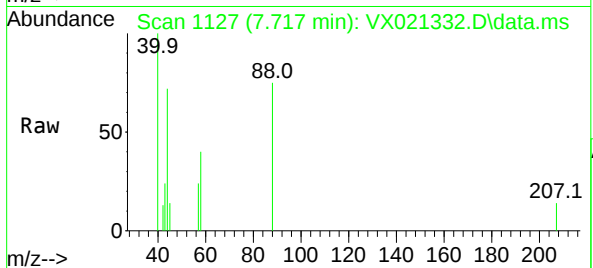




#49
1,4-Dioxane
Concen: 14.45 ug/l
RT: 7.717 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VX021332.D
Acq: 20 Mar 2021 07:26

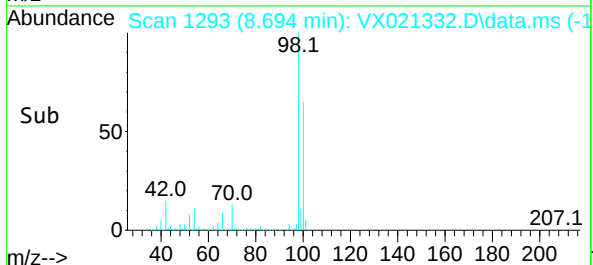
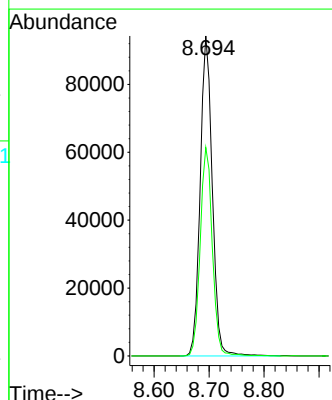
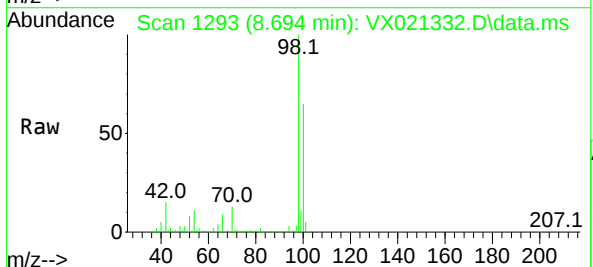
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20210316

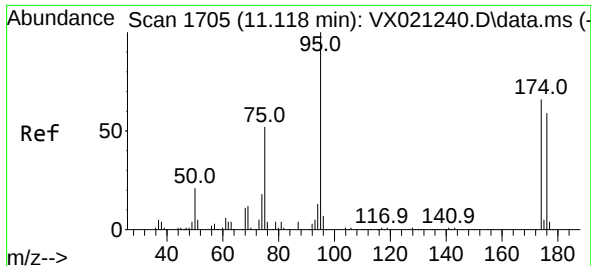
Tgt Ion: 88 Resp: 517
Ion Ratio Lower Upper
88 100
43 26.7 23.2 34.8
58 70.6 55.0 82.4



#50
Toluene-d8
Concen: 49.83 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021332.D
Acq: 20 Mar 2021 07:26

Tgt Ion: 98 Resp: 144314
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9

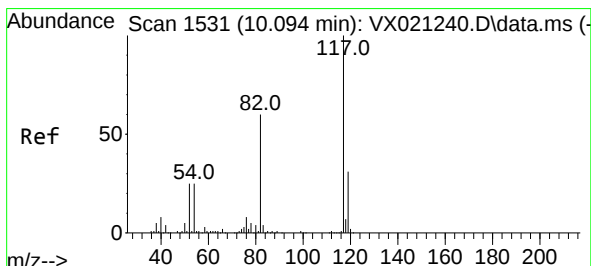
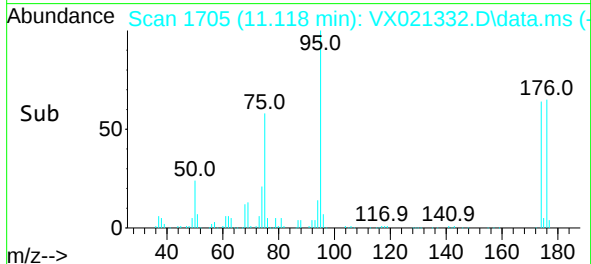
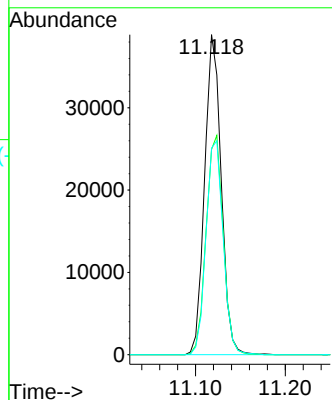
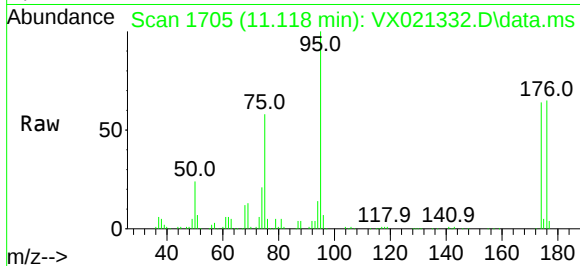




#62
4-Bromofluorobenzene
Concen: 44.38 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021332.D
Acq: 20 Mar 2021 07:26

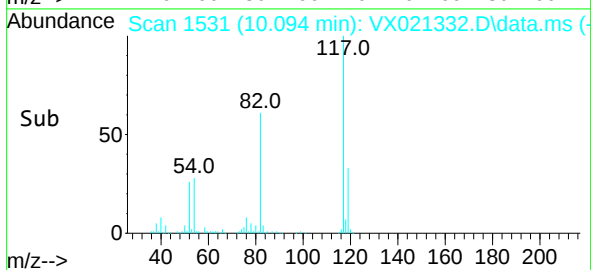
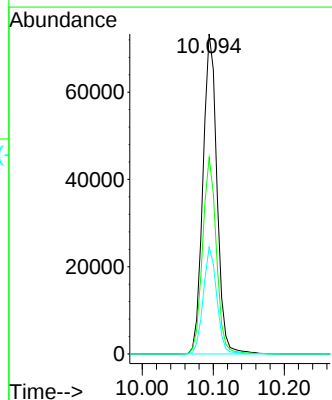
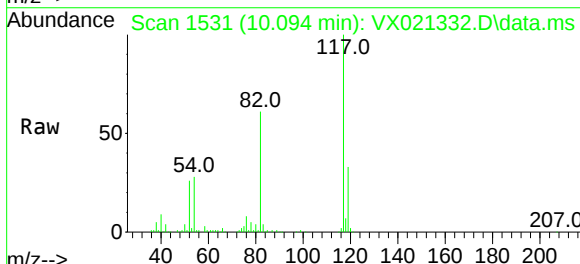
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20210316

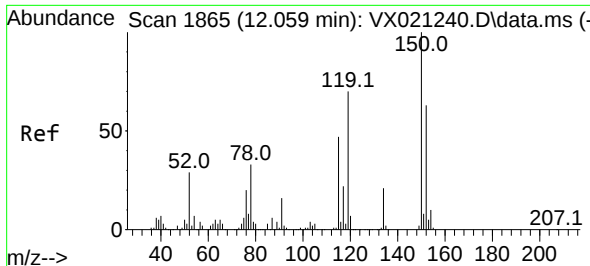
Tgt Ion:	95	Resp:	49917
Ion Ratio	Lower	Upper	
95	100		
174	70.6	0.0	154.6
176	69.0	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021332.D
Acq: 20 Mar 2021 07:26

Tgt Ion:	117	Resp:	101149
Ion Ratio	Lower	Upper	
117	100		
82	61.5	47.4	71.2
119	33.4	26.6	39.8

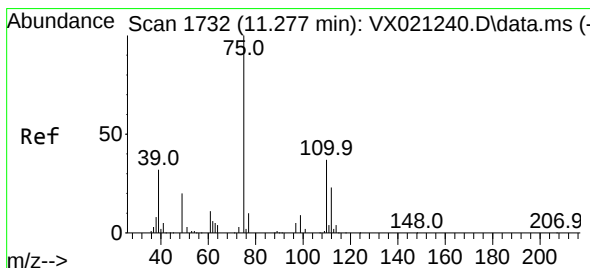
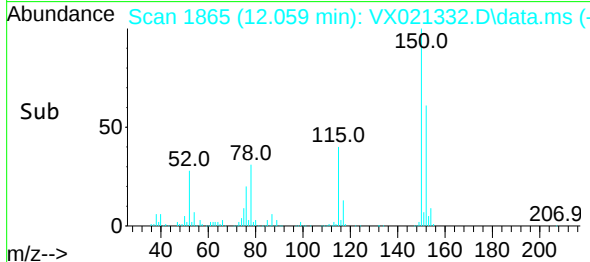
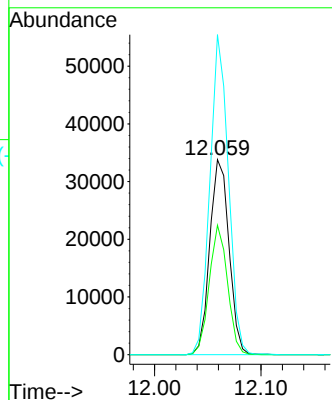
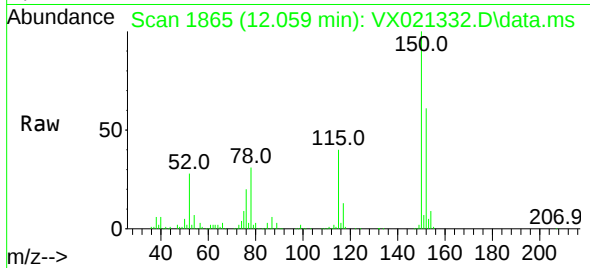




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. 0.000 min
 Lab File: VX021332.D
 Acq: 20 Mar 2021 07:26

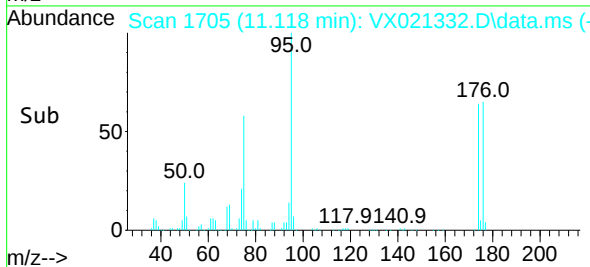
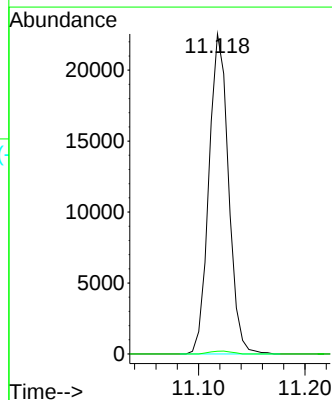
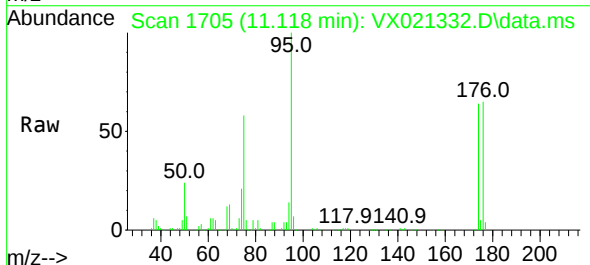
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D2-20210316

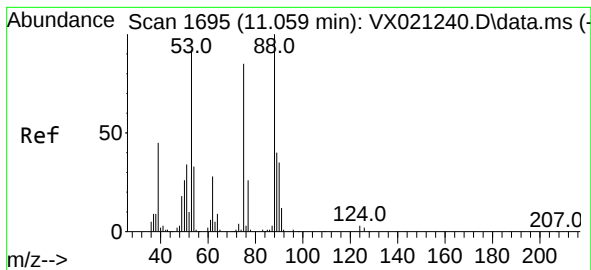
Tgt Ion:152 Resp: 42497
 Ion Ratio Lower Upper
 152 100
 115 62.9 41.1 123.3
 150 157.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.23 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021332.D
 Acq: 20 Mar 2021 07:26

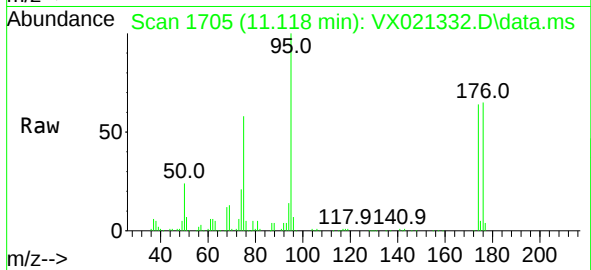
Tgt Ion: 75 Resp: 28819
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.37 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021332.D
 Acq: 20 Mar 2021 07:26

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D2-20210316



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

