

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032121\
 Data File : VX021329.D
 Acq On : 20 Mar 2021 06:16
 Operator : JC/MD
 Sample : M1735-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D4-20210315

Quant Time: Mar 20 07:56:39 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)

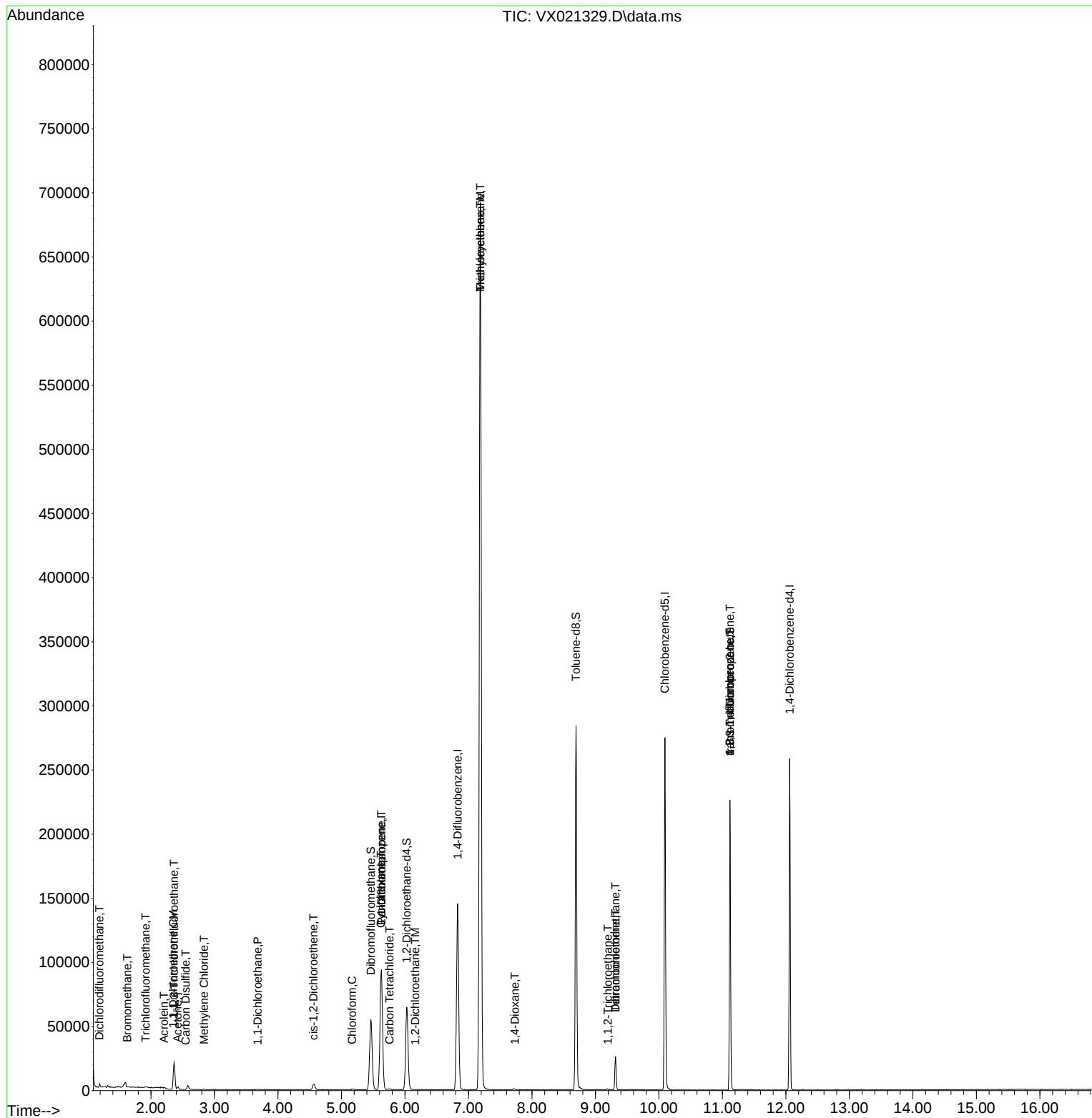
Internal Standards						
1) Pentafluorobenzene	5.629	168	80820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	132595	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	111393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	47013	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	64083	48.34	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.68%		
35) Dibromofluoromethane	5.464	113	44608	49.44	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.88%		
50) Toluene-d8	8.694	98	159678	48.78	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.56%		
62) 4-Bromofluorobenzene	11.118	95	55683	43.80	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.60%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.187	85	475	0.49	ug/l	92
3) Chloromethane	1.317	50	974	Below Cal		96
5) Bromomethane	1.629	94	156	0.36	ug/l #	59
7) Trichlorofluoromethane	1.917	101	408	0.28	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.364	101	6843	8.10	ug/l	94
12) 1,1-Dichloroethene	2.352	96	1045	1.27	ug/l	93
13) Acrolein	2.205	56	47	3.47	ug/l #	1
16) Acetone	2.417	43	1956	4.01	ug/l	99
17) Carbon Disulfide	2.546	76	195	0.62	ug/l #	75
20) Methylene Chloride	2.835	84	230	0.23	ug/l #	67
24) 1,1-Dichloroethane	3.682	63	717	0.41	ug/l #	81
27) cis-1,2-Dichloroethene	4.558	96	2569	2.43	ug/l	96
30) Chloroform	5.164	83	668	0.36	ug/l	96
31) Cyclohexane	5.623	56	2284	1.43	ug/l #	35
36) 1,1-Dichloropropene	5.629	75	7410	5.55	ug/l #	48
38) Carbon Tetrachloride	5.758	117	611	0.44	ug/l #	71
39) Methylcyclohexane	7.188	83	3419	2.30	ug/l #	1
42) 1,2-Dichloroethane	6.164	62	412	0.26	ug/l #	73
44) Trichloroethene	7.188	130	239526	244.92	ug/l	92
49) 1,4-Dioxane	7.729	88	620	16.02	ug/l #	78
55) 1,1,2-Trichloroethane	9.194	97	213	0.23	ug/l #	82
60) Dibromochloromethane	9.318	129	4780	4.51	ug/l #	11
64) Tetrachloroethene	9.318	164	4306	5.18	ug/l	94
76) 1,2,3-Trichloropropane	11.118	75	31450	28.84	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.118	75	31450	78.29	ug/l #	12

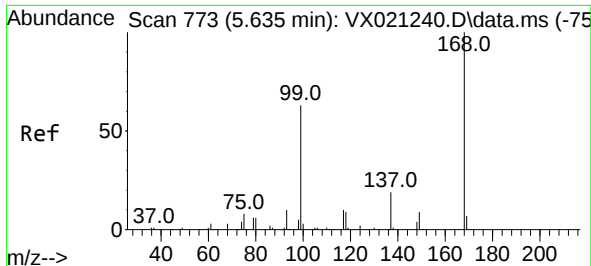
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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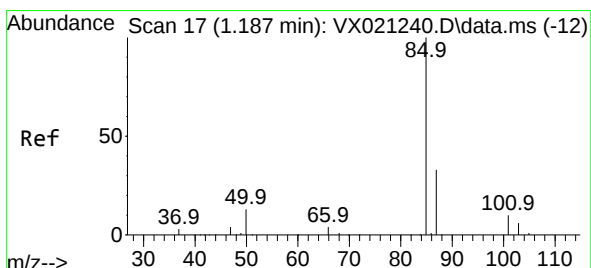
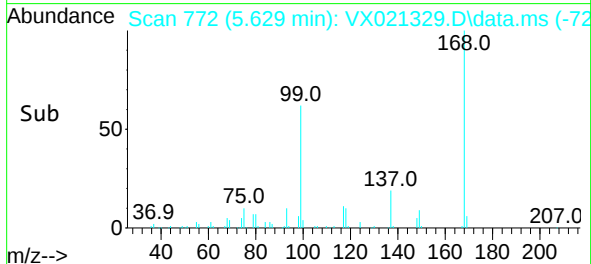
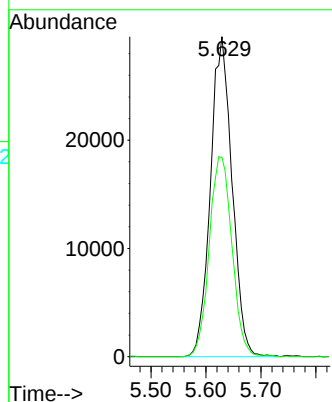
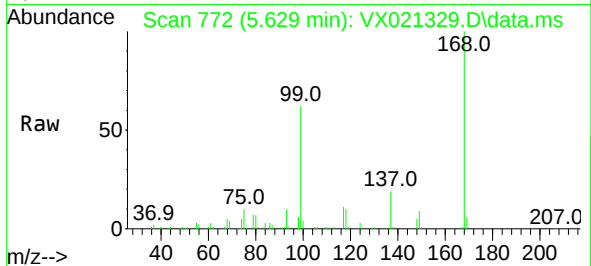




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

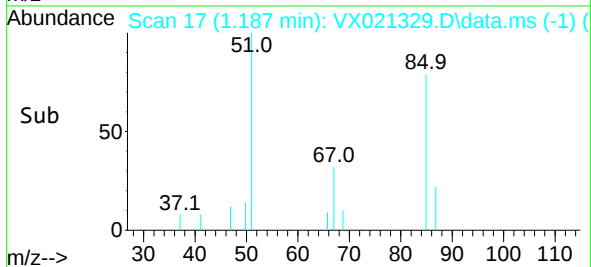
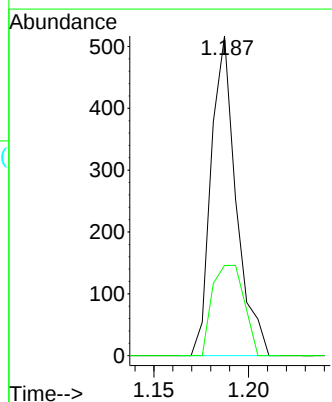
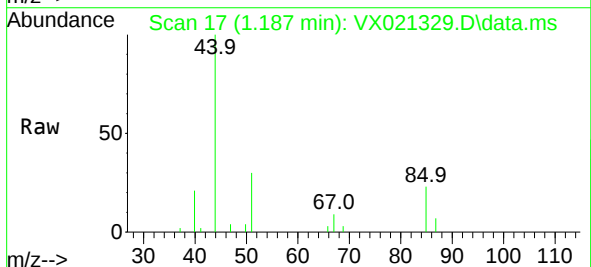
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20210315

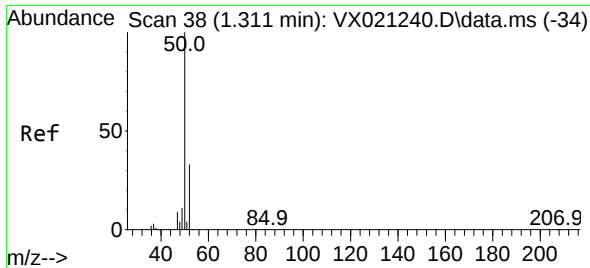
Tgt Ion:168 Resp: 80820
Ion Ratio Lower Upper
168 100
99 62.3 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.49 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

Tgt Ion: 85 Resp: 475
Ion Ratio Lower Upper
85 100
87 28.2 16.4 49.2

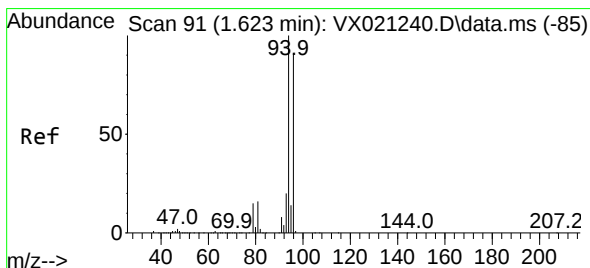
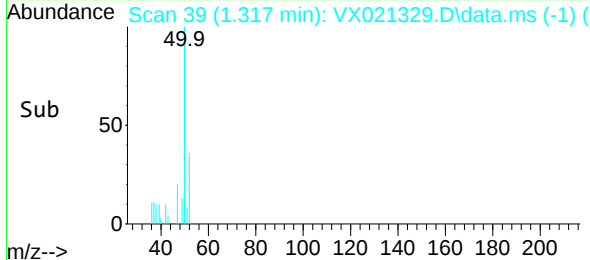
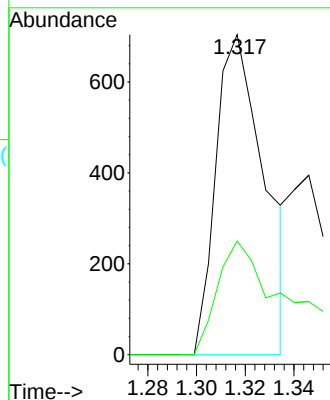
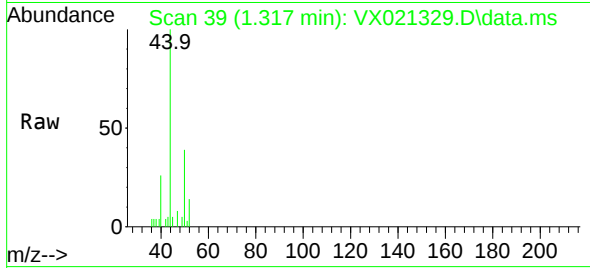




#3
Chloromethane
Concen: Below Cal
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

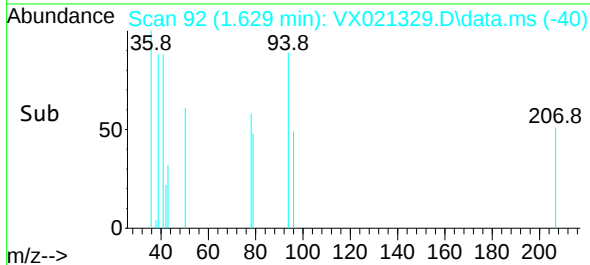
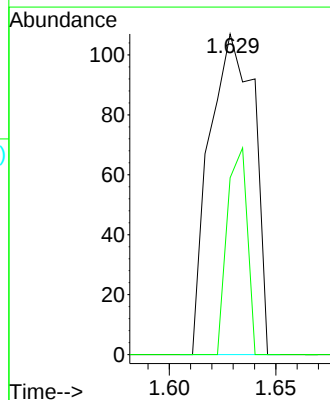
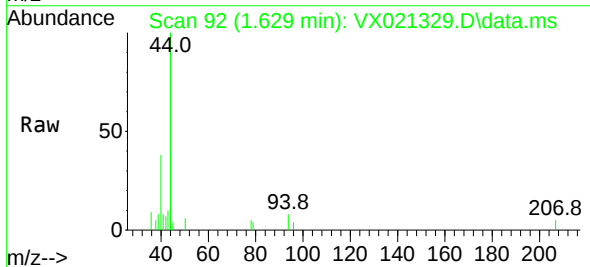
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20210315

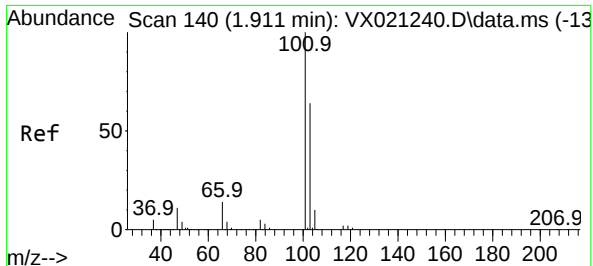
Tgt Ion: 50 Resp: 974
Ion Ratio Lower Upper
50 100
52 35.5 26.4 39.6



#5
Bromomethane
Concen: 0.36 ug/l
RT: 1.629 min Scan# 92
Delta R.T. 0.006 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

Tgt Ion: 94 Resp: 156
Ion Ratio Lower Upper
94 100
96 55.1 76.4 114.6#

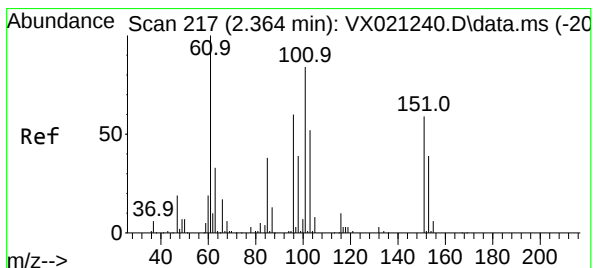
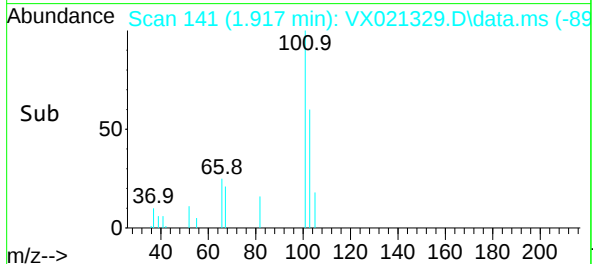
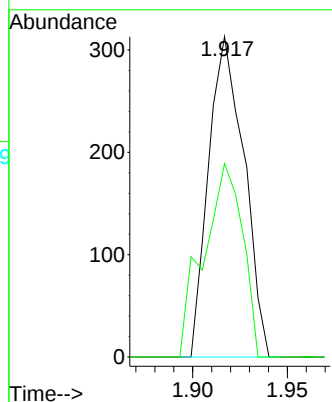
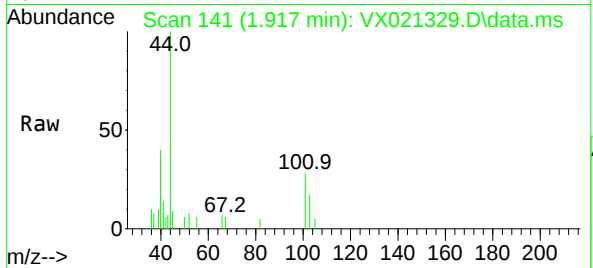




#7
Trichlorofluoromethane
Concen: 0.28 ug/l
RT: 1.917 min Scan# 141
Delta R.T. 0.006 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

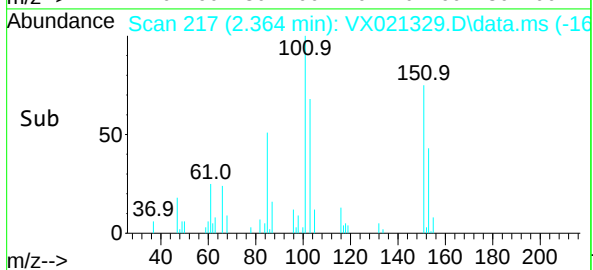
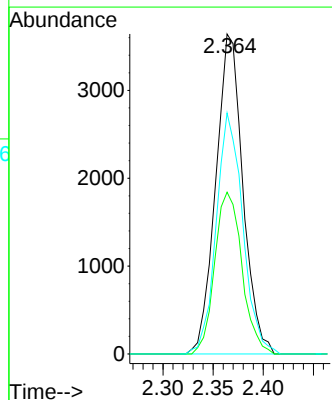
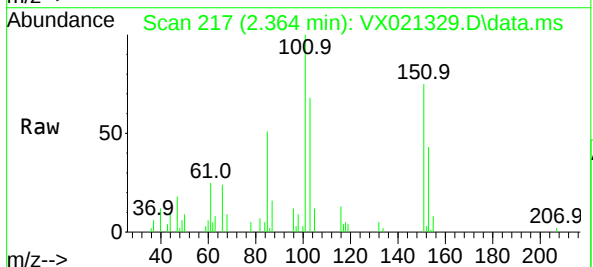
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20210315

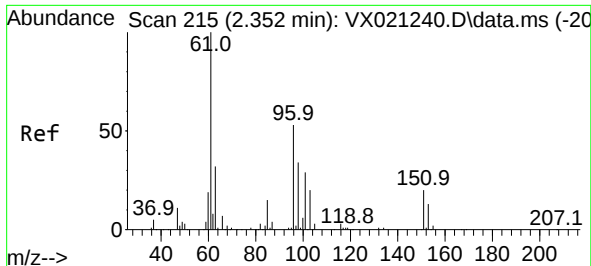
Tgt Ion:101 Resp: 408
Ion Ratio Lower Upper
101 100
103 60.4 53.2 79.8



#9
1,1,2-Trichlorotrifluoroethane
Concen: 8.10 ug/l
RT: 2.364 min Scan# 217
Delta R.T. -0.000 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

Tgt Ion:101 Resp: 6843
Ion Ratio Lower Upper
101 100
85 50.8 34.9 52.3
151 73.7 61.4 92.2

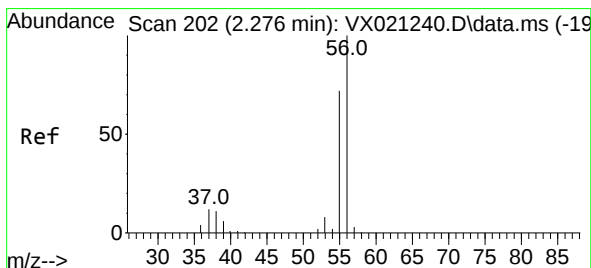
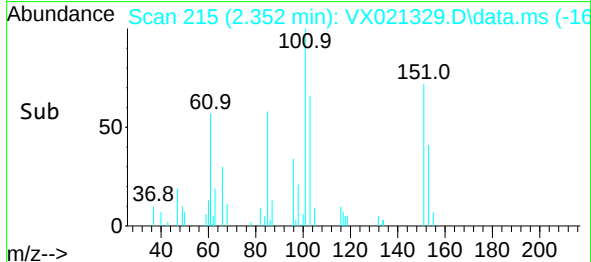
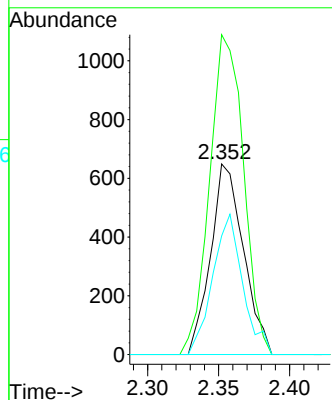
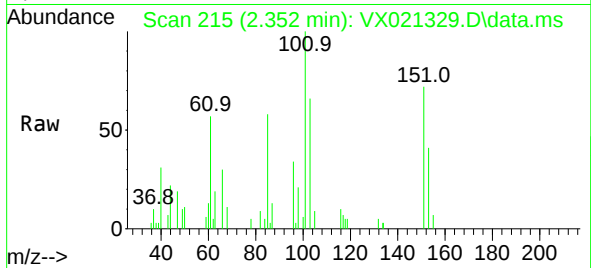




#12
1,1-Dichloroethene
Concen: 1.27 ug/l
RT: 2.352 min Scan# 215
Delta R.T. 0.000 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

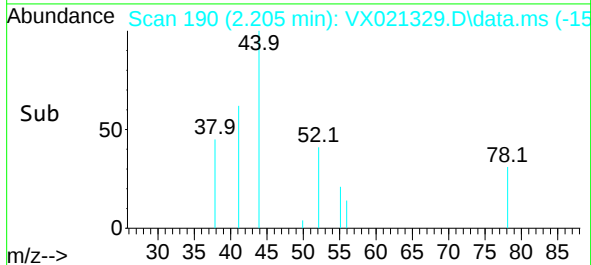
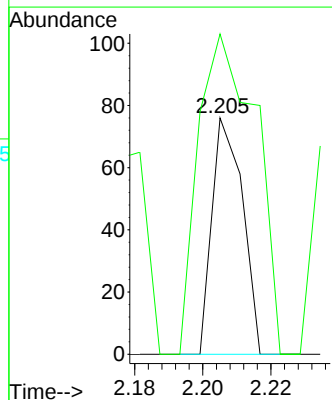
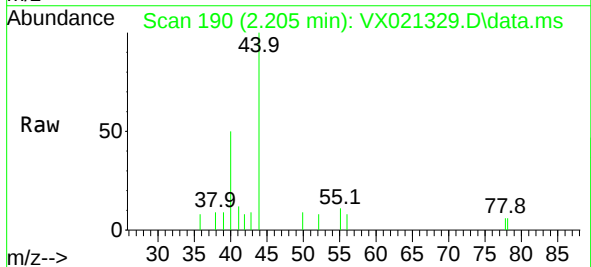
Instrument :
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ClientSampleId :
RE132D4-20210315

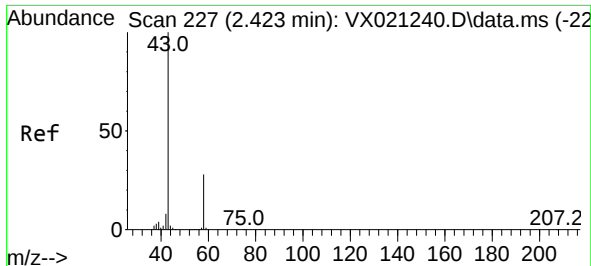
Tgt Ion:	96	Resp:	1045
Ion	Ratio	Lower	Upper
96	100		
61	167.8	124.6	187.0
98	62.2	50.6	76.0



#13
Acrolein
Concen: 3.47 ug/l
RT: 2.205 min Scan# 190
Delta R.T. -0.071 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

Tgt Ion:	56	Resp:	47
Ion	Ratio	Lower	Upper
56	100		
55	257.4	56.4	84.6#

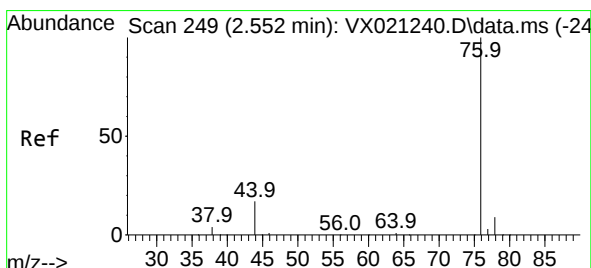
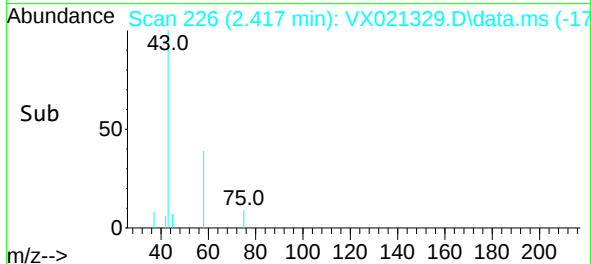
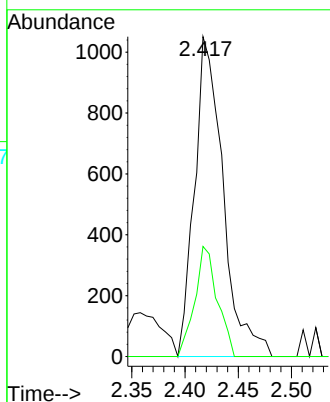
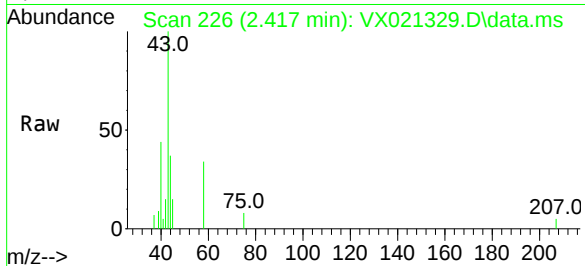




#16
Acetone
Concen: 4.01 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

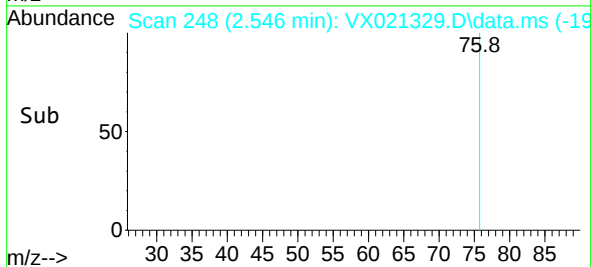
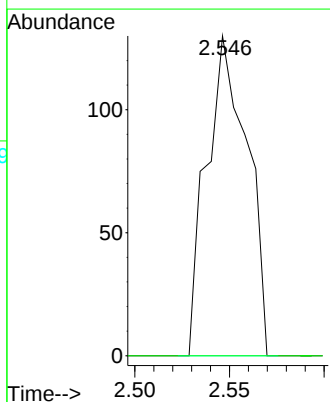
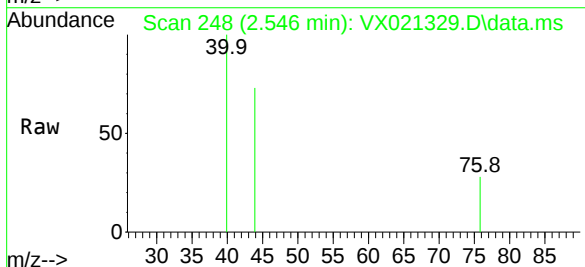
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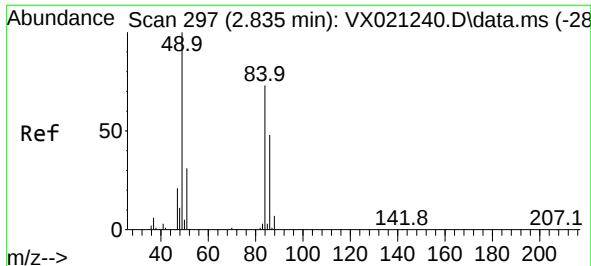
Tgt Ion: 43 Resp: 1956
Ion Ratio Lower Upper
43 100
58 34.4 27.8 41.8



#17
Carbon Disulfide
Concen: 0.62 ug/l
RT: 2.546 min Scan# 248
Delta R.T. -0.006 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

Tgt Ion: 76 Resp: 195
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 0.23 ug/l

RT: 2.835 min Scan# 297

Delta R.T. -0.000 min

Lab File: VX021329.D

Acq: 20 Mar 2021 06:16

Tgt Ion: 84 Resp: 230

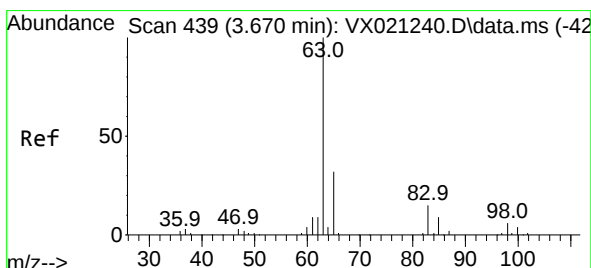
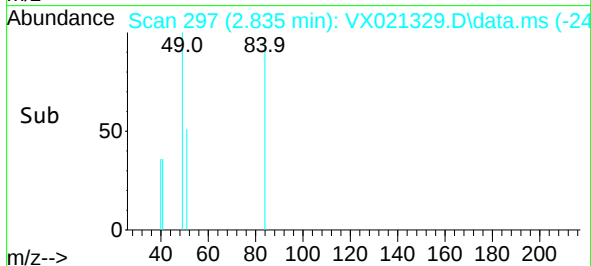
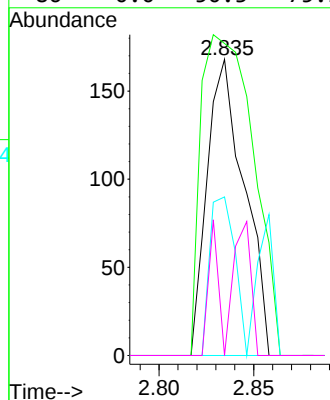
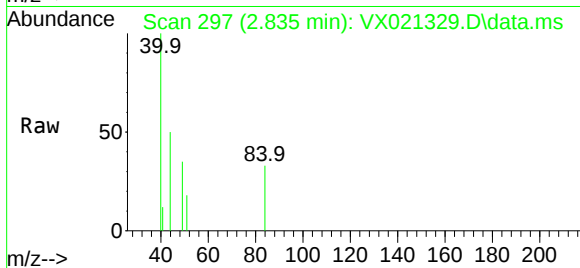
Ion Ratio Lower Upper

84 100

49 105.4 88.6 132.8

51 53.6 27.0 40.6#

86 0.0 50.3 75.5#



#24

1,1-Dichloroethane

Concen: 0.41 ug/l

RT: 3.682 min Scan# 441

Delta R.T. 0.012 min

Lab File: VX021329.D

Acq: 20 Mar 2021 06:16

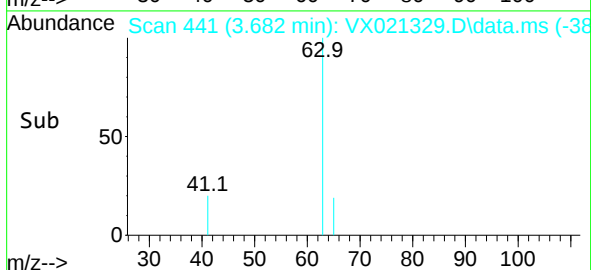
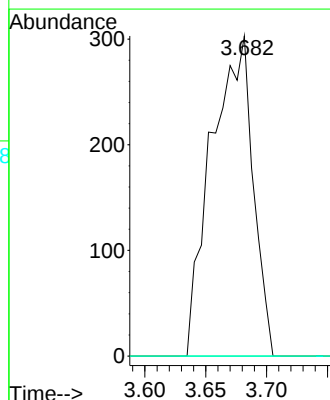
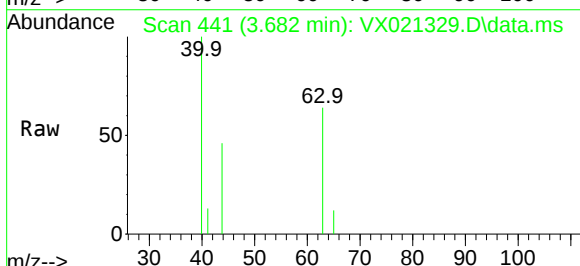
Tgt Ion: 63 Resp: 717

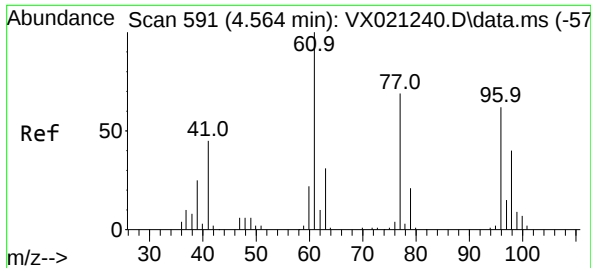
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 2.43 ug/l

RT: 4.558 min Scan# 590

Delta R.T. -0.006 min

Lab File: VX021329.D

Acq: 20 Mar 2021 06:16

Tgt Ion: 96 Resp: 2569

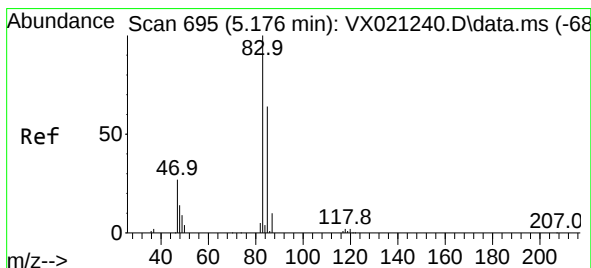
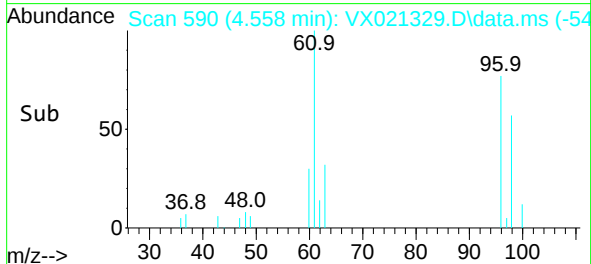
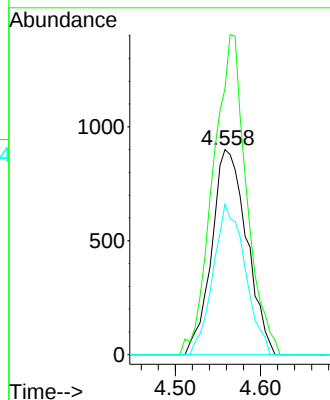
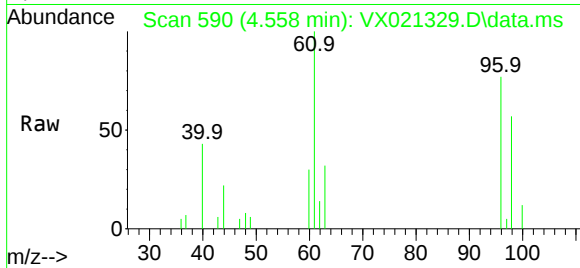
Ion	Ratio	Lower	Upper
96	100		
61	149.2	0.0	285.6
98	67.0	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

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#30

Chloroform

Concen: 0.36 ug/l

RT: 5.164 min Scan# 693

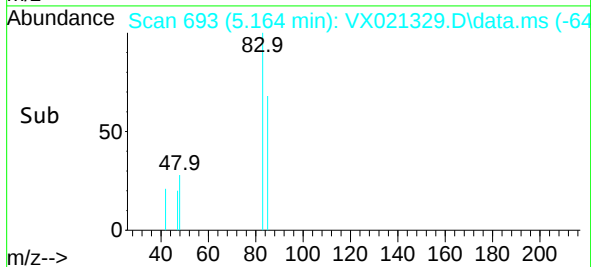
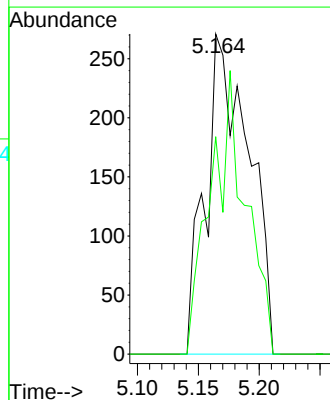
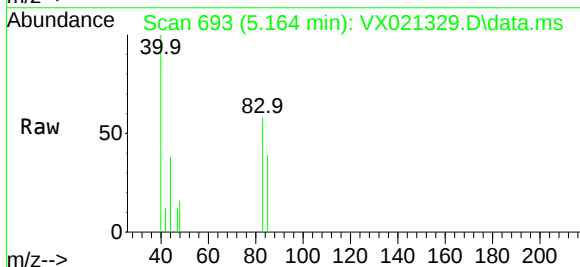
Delta R.T. -0.012 min

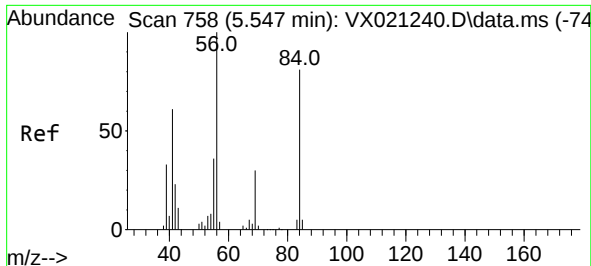
Lab File: VX021329.D

Acq: 20 Mar 2021 06:16

Tgt Ion: 83 Resp: 668

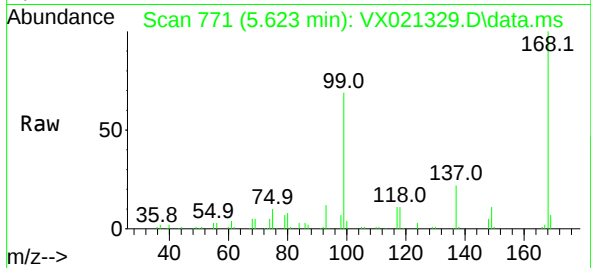
Ion	Ratio	Lower	Upper
83	100		
85	67.9	52.0	78.0



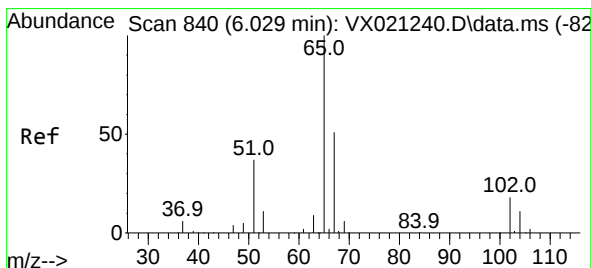
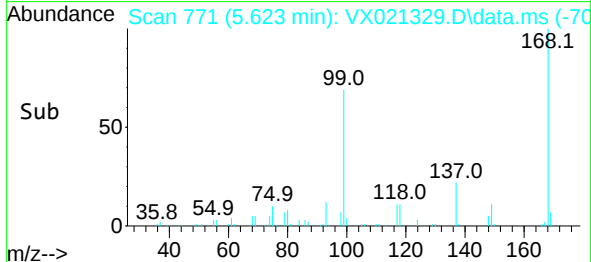
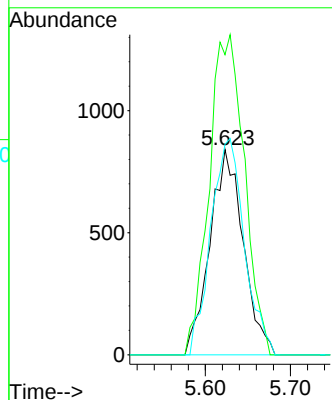


#31
Cyclohexane
Concen: 1.43 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20210315

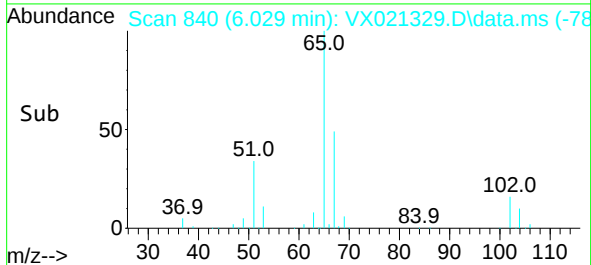
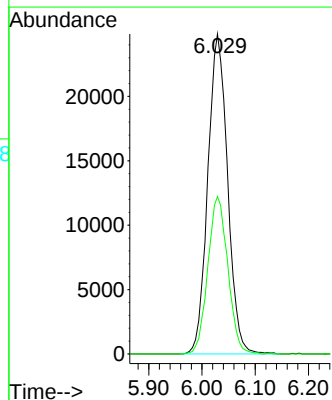
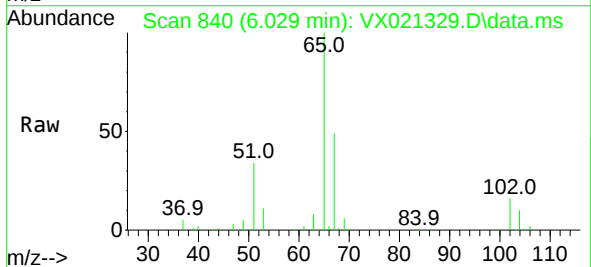


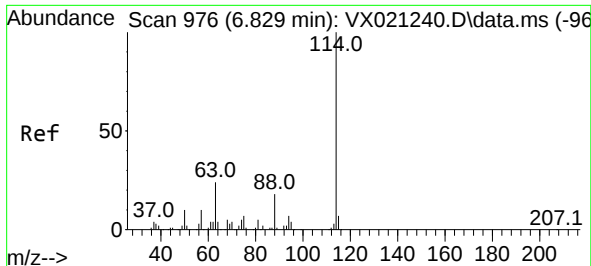
Tgt Ion: 56 Resp: 2284
Ion Ratio Lower Upper
56 100
69 146.1 25.3 37.9#
84 102.5 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 48.34 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.000 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

Tgt Ion: 65 Resp: 64083
Ion Ratio Lower Upper
65 100
67 49.7 0.0 105.4

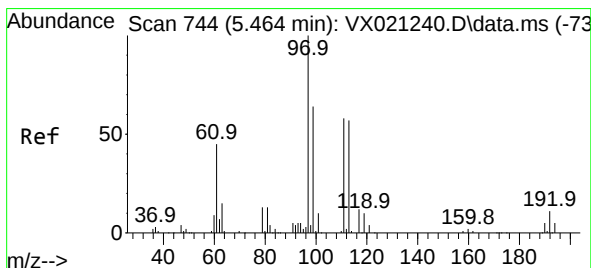
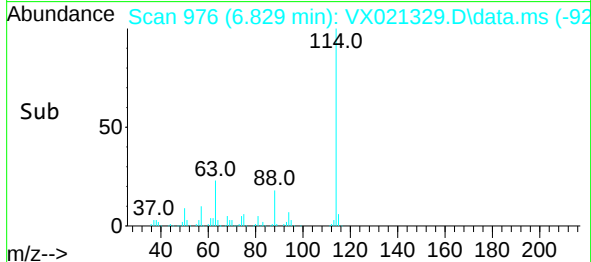
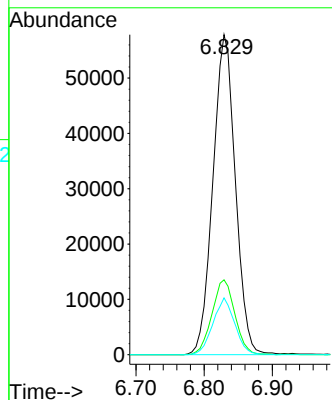
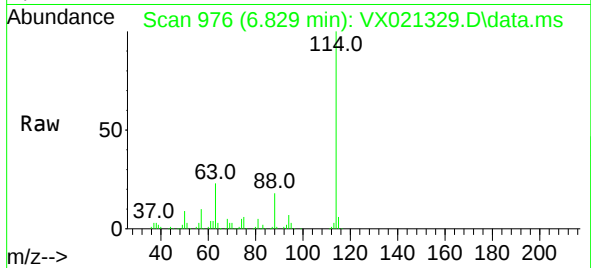




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

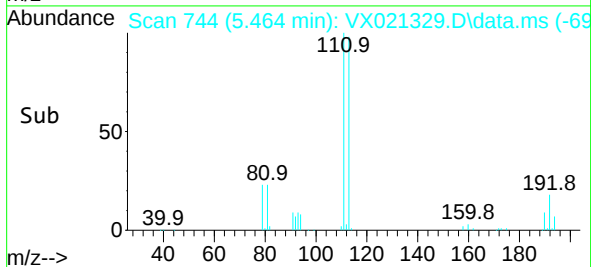
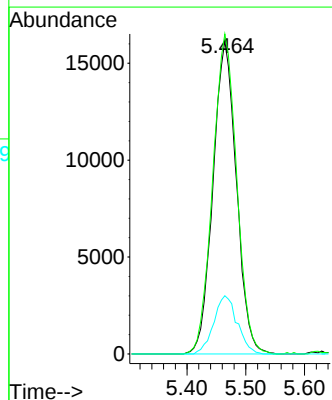
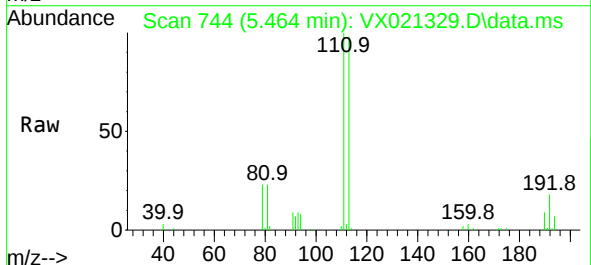
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20210315

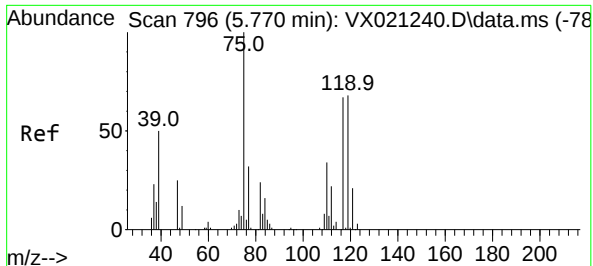
Tgt Ion:114 Resp: 132595
Ion Ratio Lower Upper
114 100
63 23.4 0.0 40.8
88 17.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.44 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

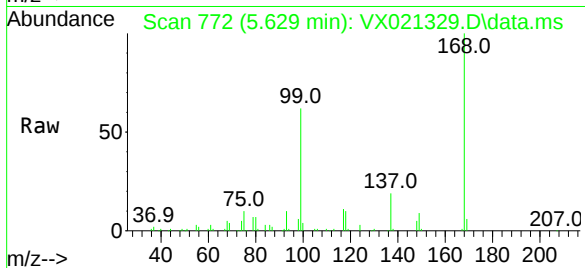
Tgt Ion:113 Resp: 44608
Ion Ratio Lower Upper
113 100
111 104.8 81.9 122.9
192 18.7 16.7 25.1



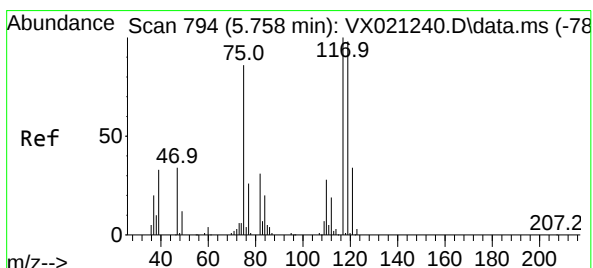
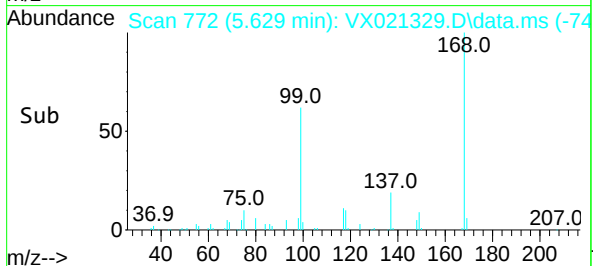
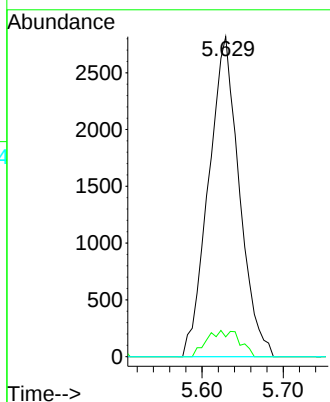


#36
1,1-Dichloropropene
Concen: 5.55 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20210315

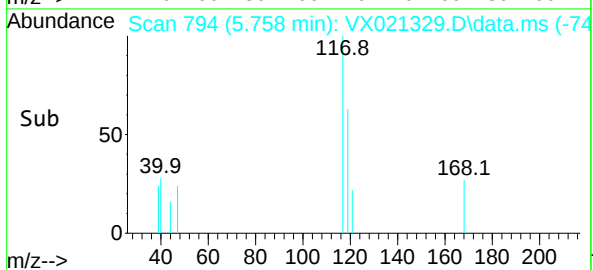
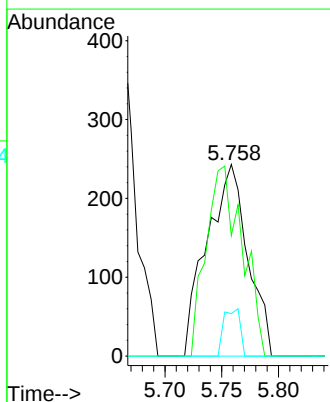
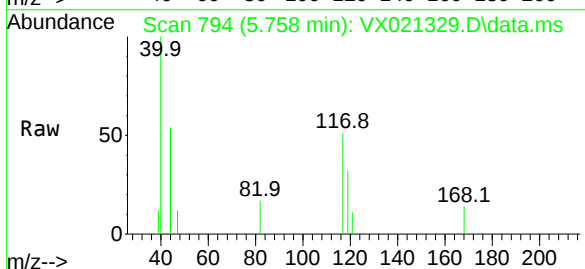


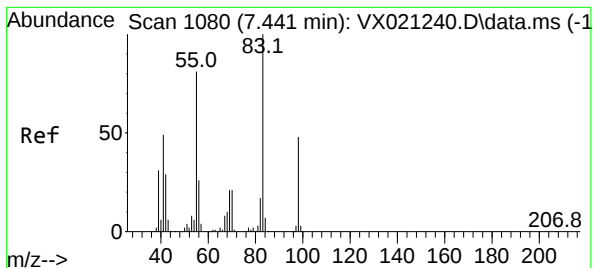
Tgt Ion: 75 Resp: 7410
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 0.44 ug/l
RT: 5.758 min Scan# 794
Delta R.T. 0.000 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

Tgt Ion: 117 Resp: 611
Ion Ratio Lower Upper
117 100
119 63.0 76.2 114.2#
121 22.2 24.8 37.2#





#39

Methylcyclohexane

Concen: 2.30 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. -0.253 min

Lab File: VX021329.D

Acq: 20 Mar 2021 06:16

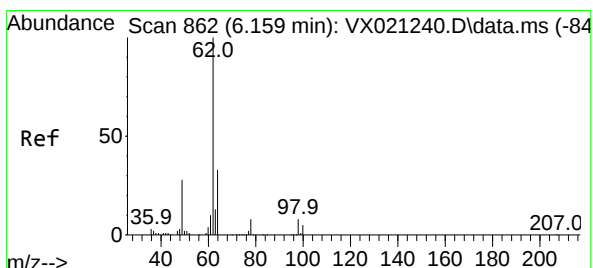
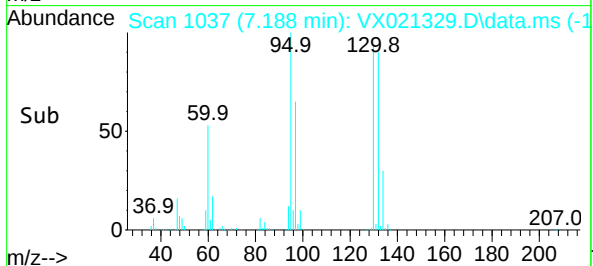
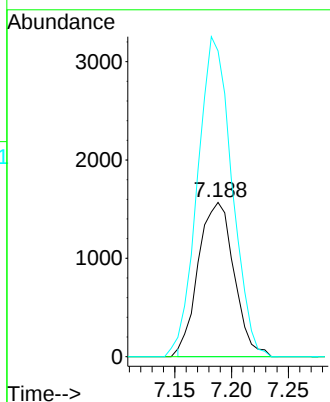
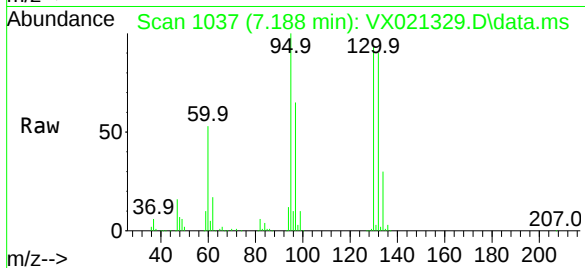
Instrument :

MSVOA_X

ClientSampleId :

RE132D4-20210315

Tgt Ion:	83	Resp:	3419
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	198.2	38.1	57.1#



#42

1,2-Dichloroethane

Concen: 0.26 ug/l

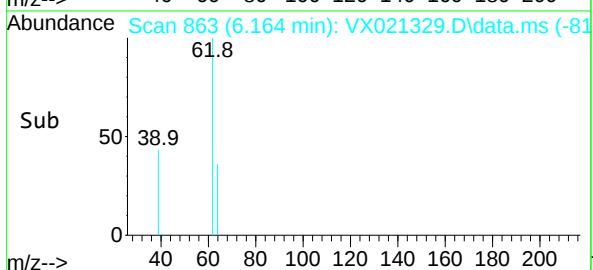
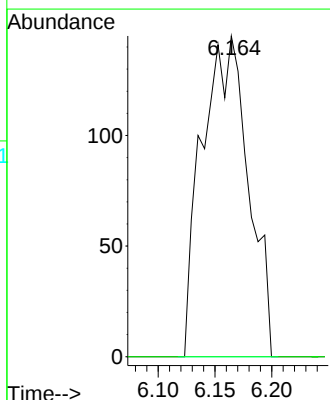
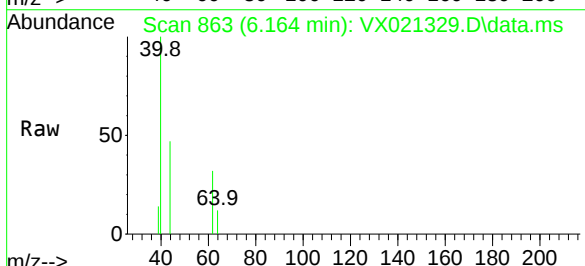
RT: 6.164 min Scan# 863

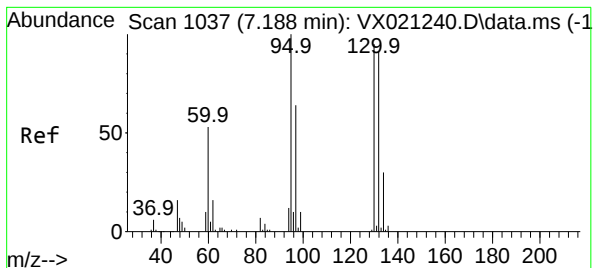
Delta R.T. 0.005 min

Lab File: VX021329.D

Acq: 20 Mar 2021 06:16

Tgt Ion:	62	Resp:	412
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.2





#44

Trichloroethene

Concen: 244.92 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VX021329.D

Acq: 20 Mar 2021 06:16

Tgt Ion:130 Resp: 239526

Ion Ratio Lower Upper

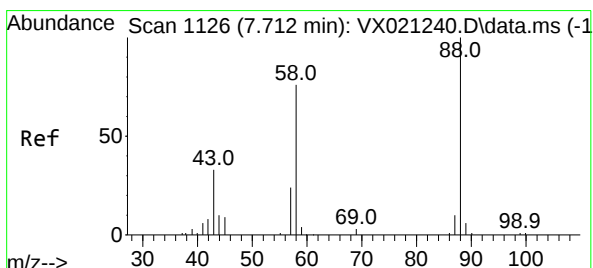
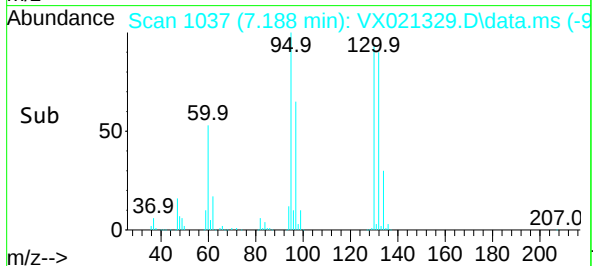
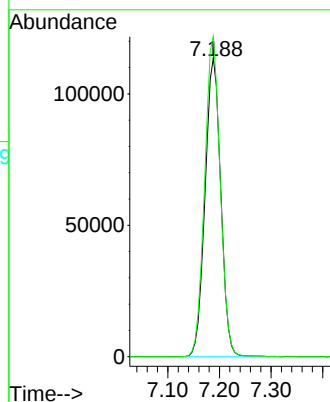
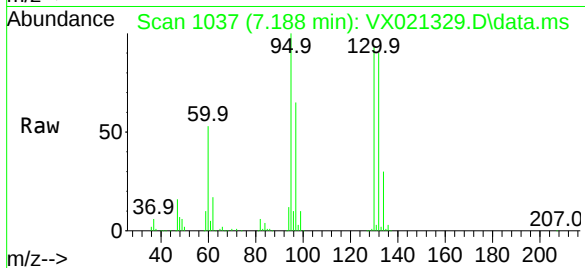
Ion	Ratio	Lower	Upper
130	100		
95	107.1	0.0	198.0

Instrument :

MSVOA_X

ClientSampleId :

RE132D4-20210315



#49

1,4-Dioxane

Concen: 16.02 ug/l

RT: 7.729 min Scan# 1129

Delta R.T. 0.017 min

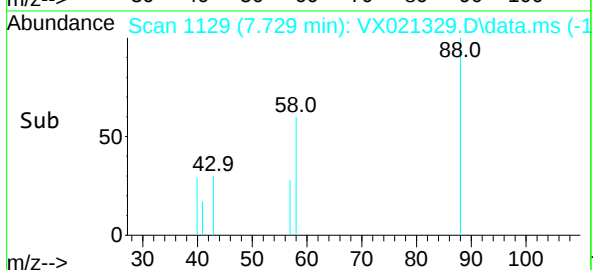
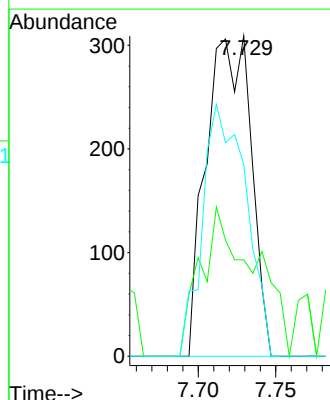
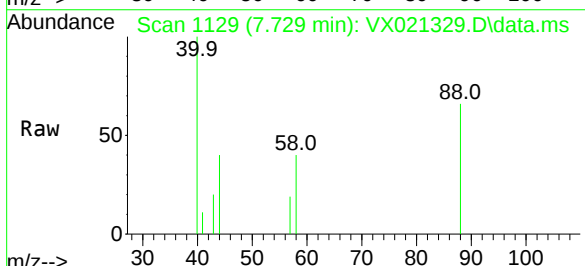
Lab File: VX021329.D

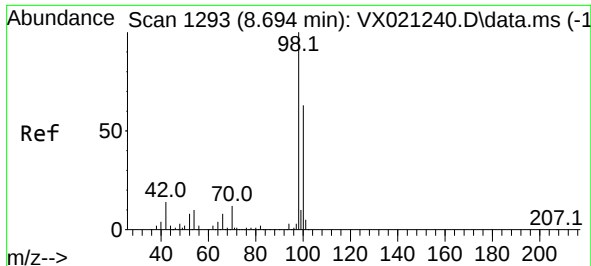
Acq: 20 Mar 2021 06:16

Tgt Ion: 88 Resp: 620

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
88	100		
43	56.0	23.2	34.8
58	76.5	55.0	82.4

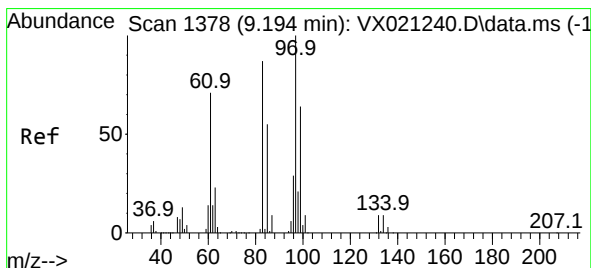
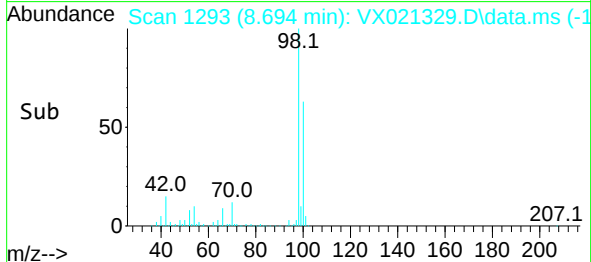
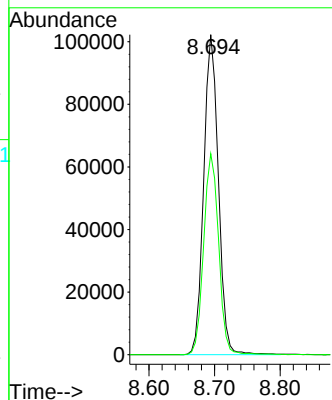
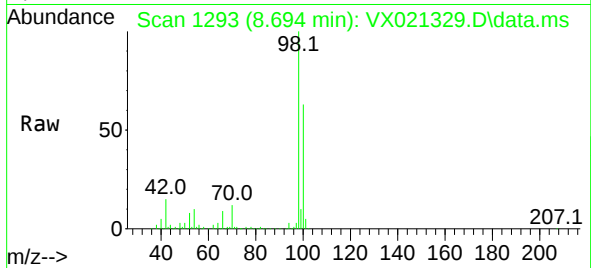




#50
Toluene-d8
Concen: 48.78 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

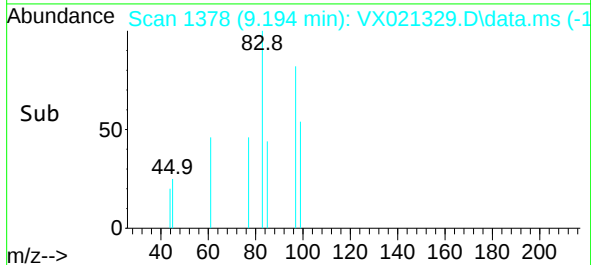
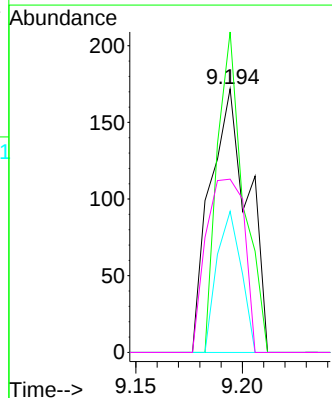
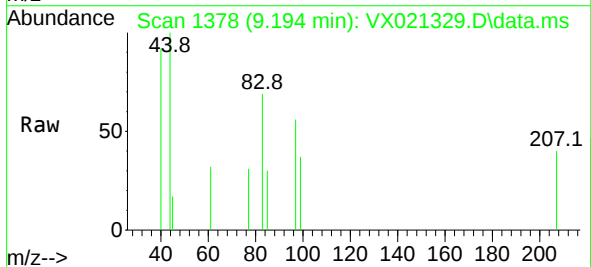
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20210315

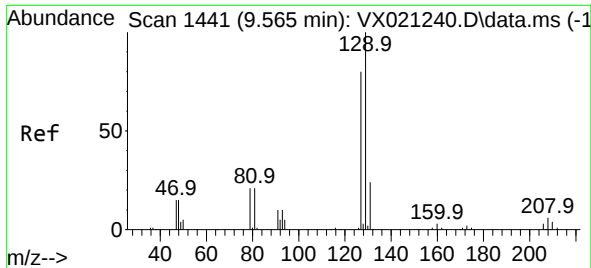
Tgt Ion: 98 Resp: 159678
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



#55
1,1,2-Trichloroethane
Concen: 0.23 ug/l
RT: 9.194 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

Tgt Ion: 97 Resp: 213
Ion Ratio Lower Upper
97 100
83 121.5 69.3 103.9#
85 53.5 44.3 66.5
99 65.7 50.3 75.5

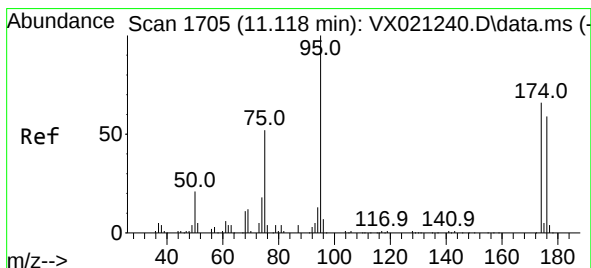
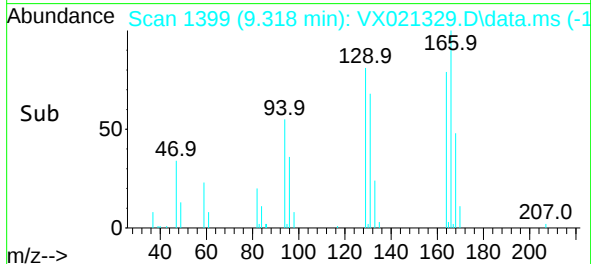
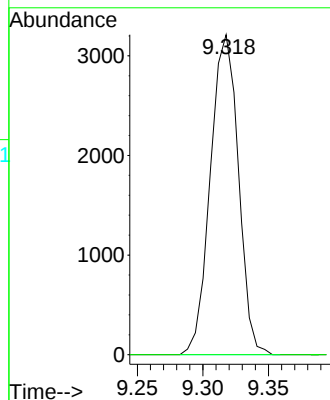
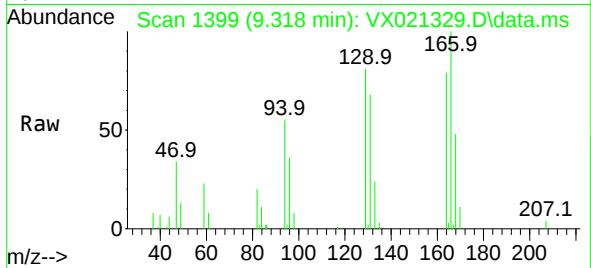




#60
Dibromochloromethane
Concen: 4.51 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

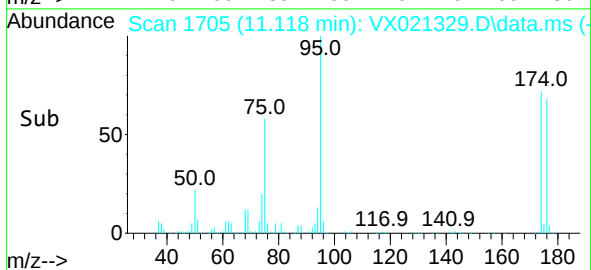
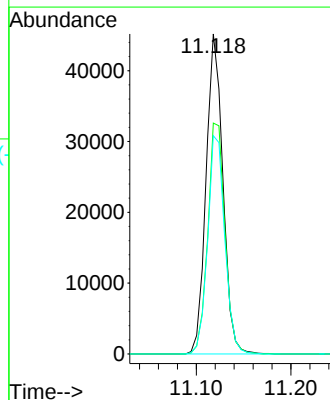
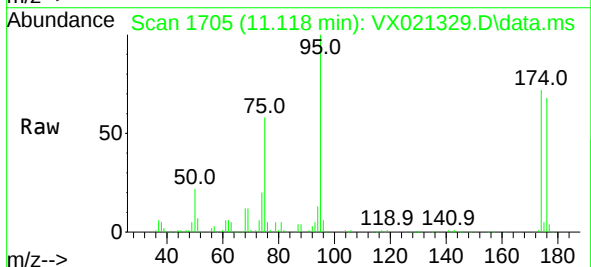
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20210315

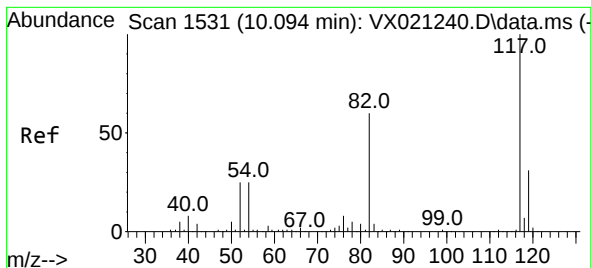
Tgt Ion:129 Resp: 4780
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 43.80 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

Tgt Ion: 95 Resp: 55683
Ion Ratio Lower Upper
95 100
174 73.7 0.0 154.6
176 69.5 0.0 155.8

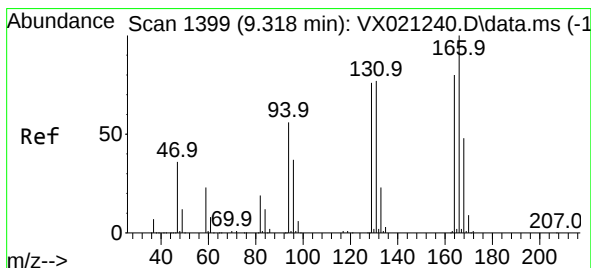
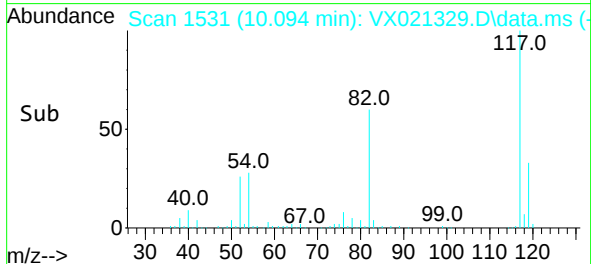
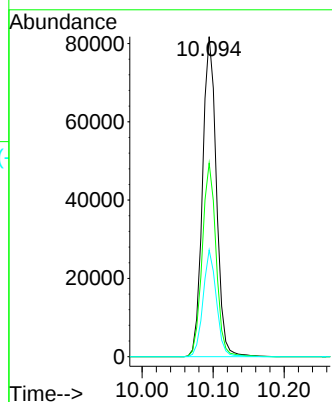
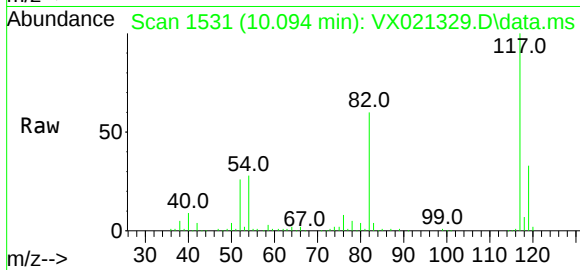




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

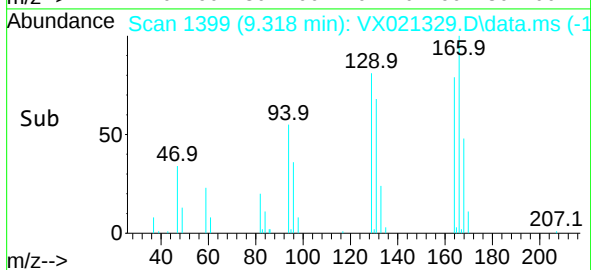
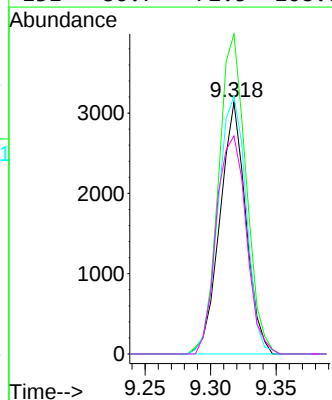
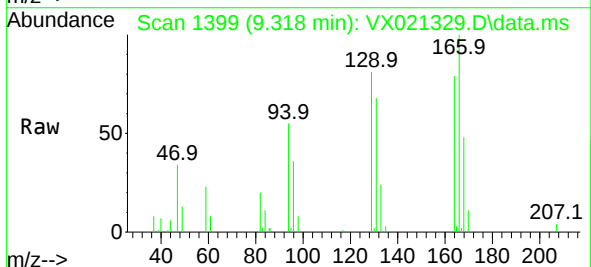
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20210315

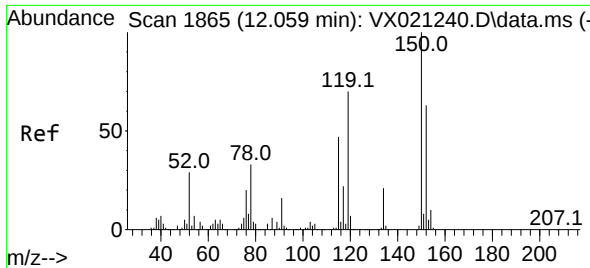
Tgt Ion:117 Resp: 111393
Ion Ratio Lower Upper
117 100
82 60.5 47.4 71.2
119 33.4 26.6 39.8



#64
Tetrachloroethene
Concen: 5.18 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021329.D
Acq: 20 Mar 2021 06:16

Tgt Ion:164 Resp: 4306
Ion Ratio Lower Upper
164 100
166 127.2 103.4 155.2
129 102.5 70.8 106.2
131 86.7 72.5 108.7

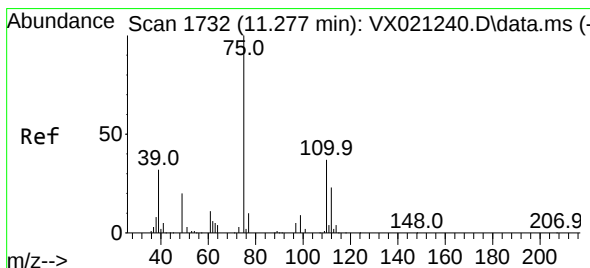
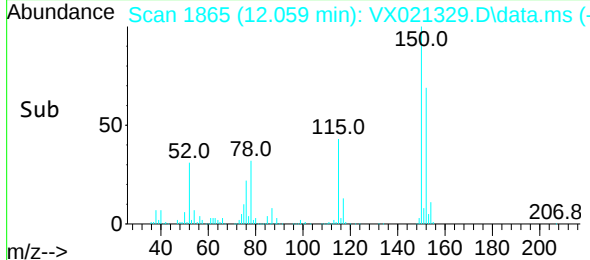
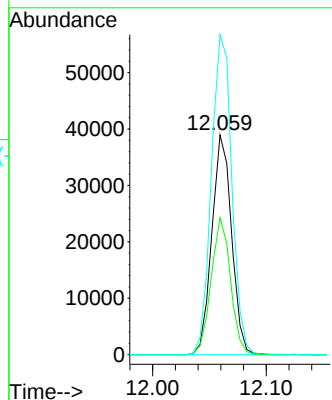
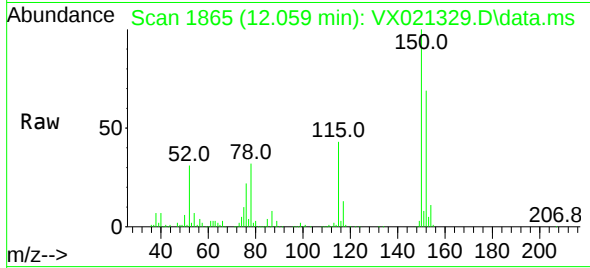




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. 0.000 min
 Lab File: VX021329.D
 Acq: 20 Mar 2021 06:16

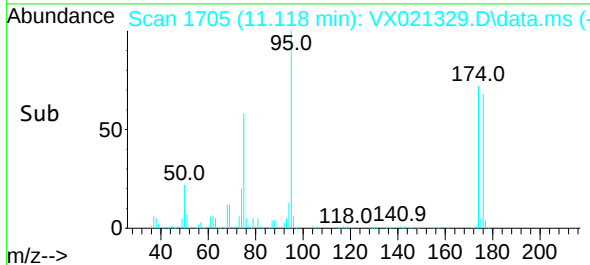
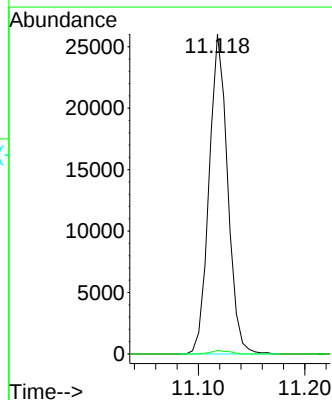
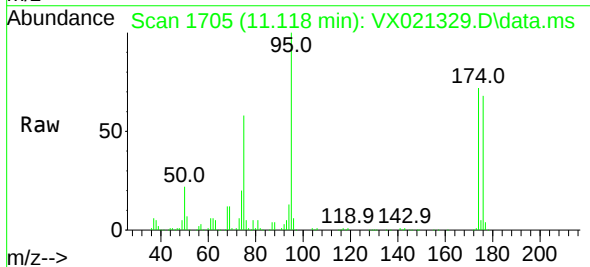
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D4-20210315

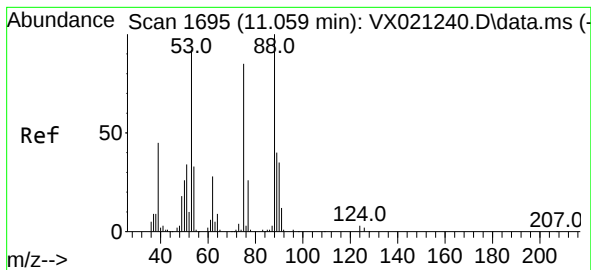
Tgt Ion:152 Resp: 47013
 Ion Ratio Lower Upper
 152 100
 115 61.1 41.1 123.3
 150 151.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.84 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021329.D
 Acq: 20 Mar 2021 06:16

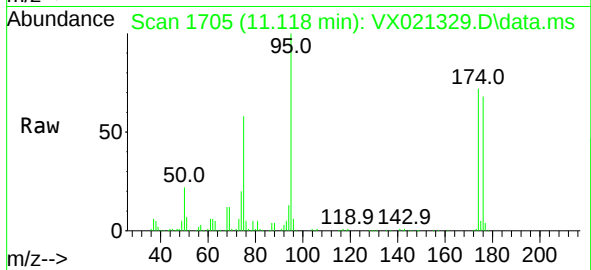
Tgt Ion: 75 Resp: 31450
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.29 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021329.D
 Acq: 20 Mar 2021 06:16

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D4-20210315



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

