

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052921\
 Data File : VX022271.D
 Acq On : 28 May 2021 23:32
 Operator : JC/MD
 Sample : M2545-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 04BR-20210526

Quant Time: May 29 04:57:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

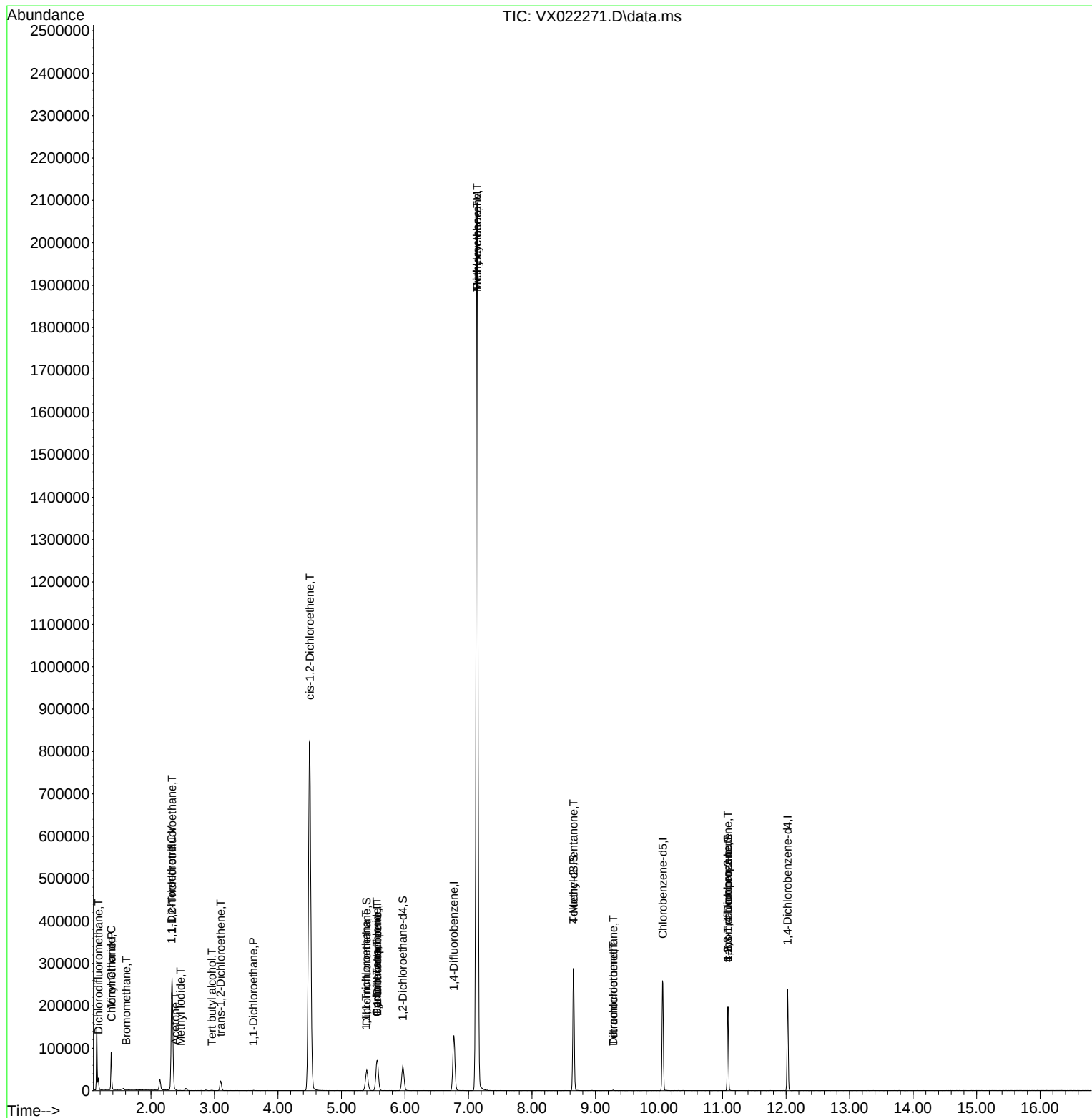
Internal Standards						
1) Pentafluorobenzene	5.562	168	63901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	131304	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	115116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	43226	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	52485	53.25	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.50%			
35) Dibromofluoromethane	5.397	113	39759	47.75	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.50%			
50) Toluene-d8	8.653	98	162922	50.79	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.58%			
62) 4-Bromofluorobenzene	11.085	95	54054	45.59	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.18%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	11999	15.45	ug/l	98
3) Chloromethane	1.380	50	409	0.49	ug/l #	42
4) Vinyl Chloride	1.373	62	48857	55.10	ug/l	99
5) Bromomethane	1.611	94	132	0.26	ug/l #	2
9) 1,1,2-Trichlorotrifluo...	2.331	101	100206	132.36	ug/l	94
10) Methyl Iodide	2.465	142	256	0.31	ug/l #	87
11) Tert butyl alcohol	2.959	59	437	1.94	ug/l #	73
12) 1,1-Dichloroethene	2.324	96	6380	8.71	ug/l	97
16) Acetone	2.385	43	1639	3.82	ug/l	97
21) trans-1,2-Dichloroethene	3.099	96	8915	11.19	ug/l	86
24) 1,1-Dichloroethane	3.611	63	701	0.46	ug/l #	81
27) cis-1,2-Dichloroethene	4.501	96	496317	512.31	ug/l	90
31) Cyclohexane	5.556	56	1554	1.25	ug/l #	1
32) 1,1,1-Trichloroethane	5.385	97	285	0.21	ug/l #	39
36) 1,1-Dichloropropene	5.562	75	6059	4.99	ug/l #	46
38) Carbon Tetrachloride	5.556	117	7467	6.29	ug/l #	12
39) Methylcyclohexane	7.135	83	9839	7.15	ug/l #	1
44) Trichloroethene	7.135	130	747445	805.15	ug/l	93
51) 4-Methyl-2-Pentanone	8.653	43	994	0.68	ug/l #	1
60) Dibromochloromethane	9.281	129	252	0.27	ug/l #	11
64) Tetrachloroethene	9.281	164	251	0.33	ug/l #	82
76) 1,2,3-Trichloropropane	11.085	75	28145	26.39	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	28145	62.53	ug/l #	12

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

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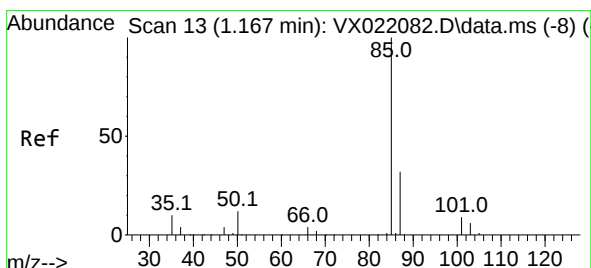
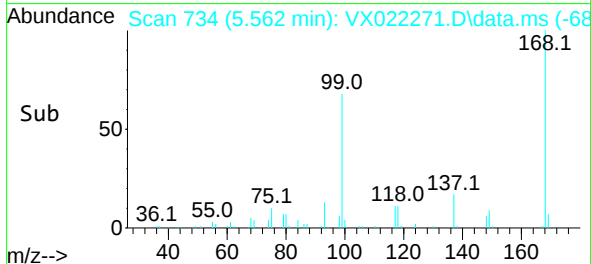
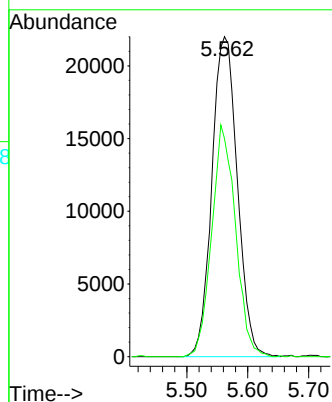
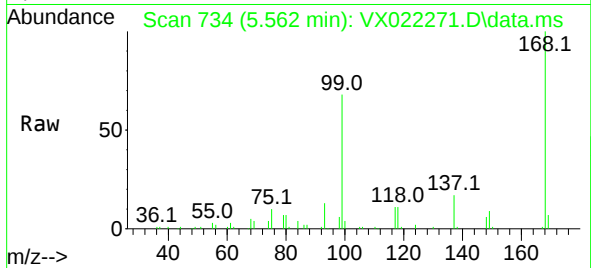




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32

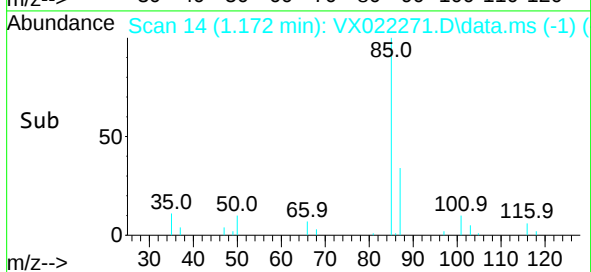
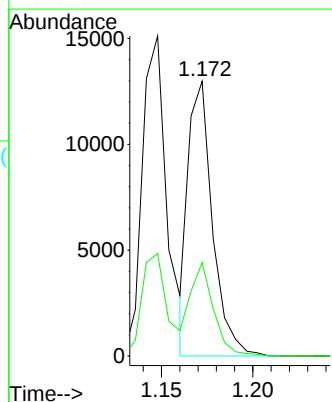
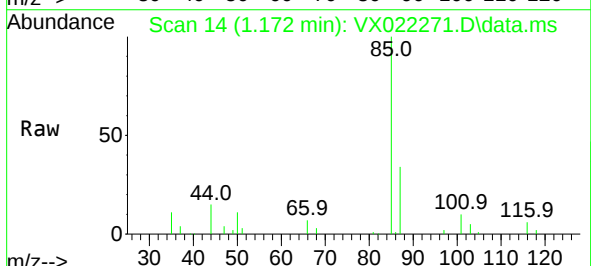
Instrument :
MSVOA_X
ClientSampleId :
04BR-20210526

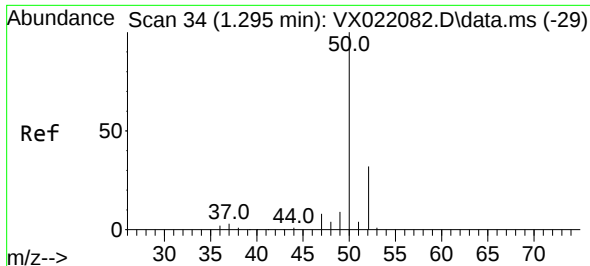
Tgt Ion:168 Resp: 63901
Ion Ratio Lower Upper
168 100
99 68.2 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 15.45 ug/l
RT: 1.172 min Scan# 14
Delta R.T. 0.005 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32

Tgt Ion: 85 Resp: 11999
Ion Ratio Lower Upper
85 100
87 33.9 16.4 49.2

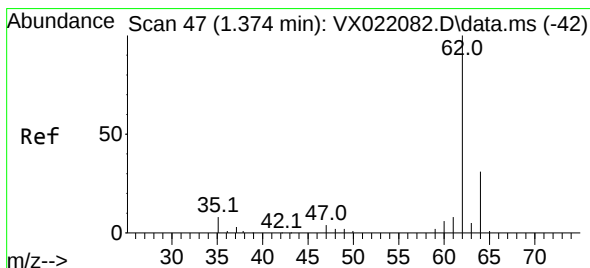
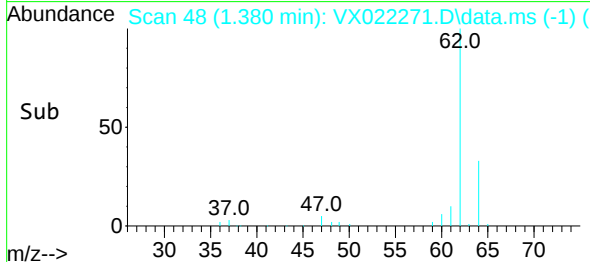
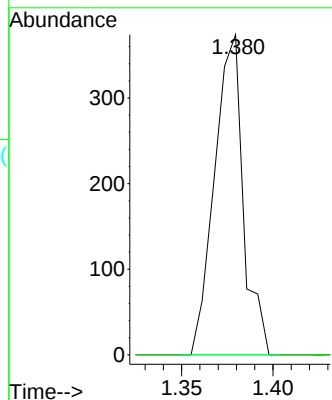
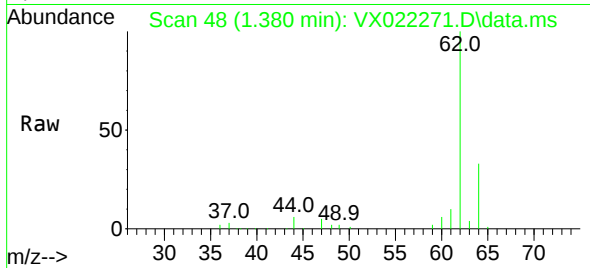




#3
Chloromethane
Concen: 0.49 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.085 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32

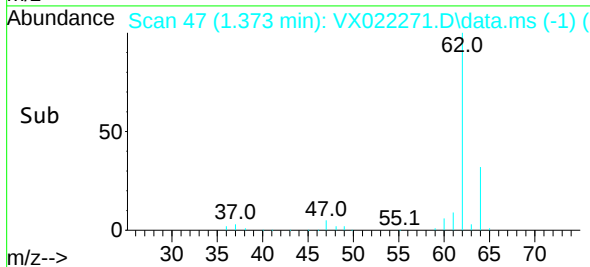
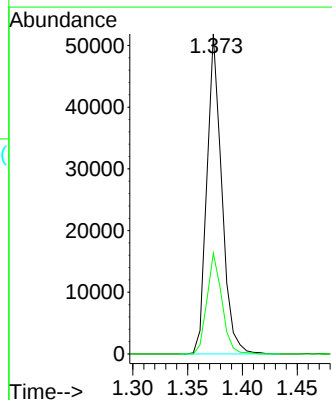
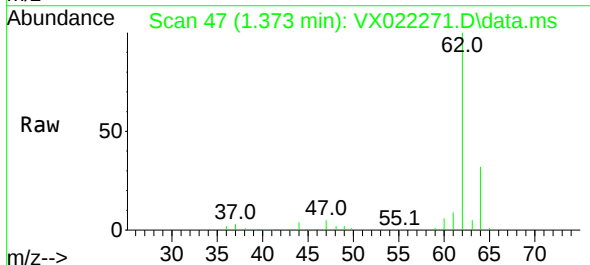
Instrument :
MSVOA_X
ClientSampleId :
04BR-20210526

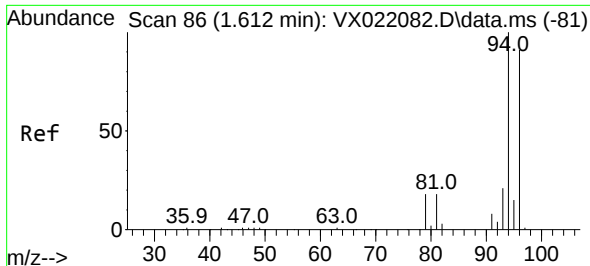
Tgt Ion: 50 Resp: 409
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



#4
Vinyl Chloride
Concen: 55.10 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.001 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32

Tgt Ion: 62 Resp: 48857
Ion Ratio Lower Upper
62 100
64 31.5 25.7 38.5

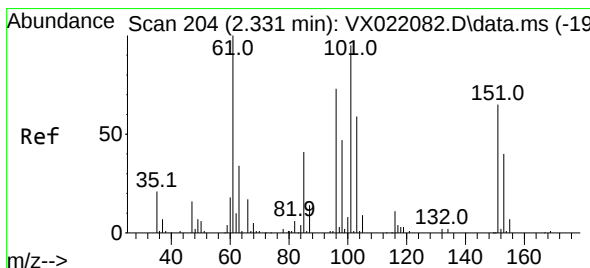
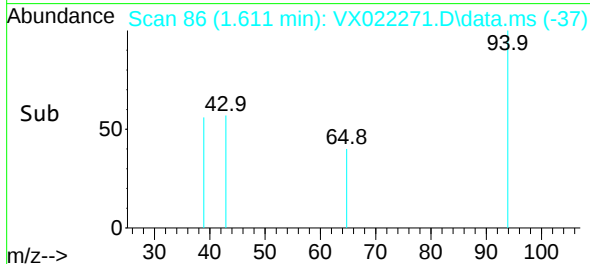
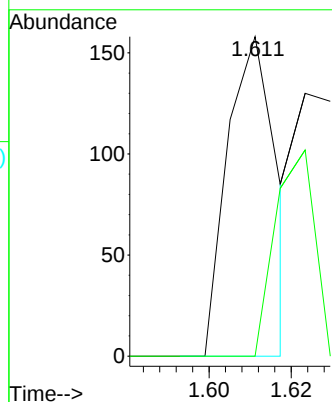
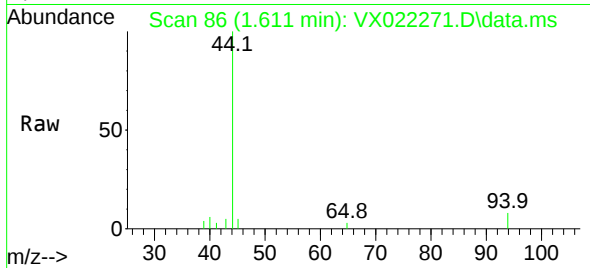




#5
Bromomethane
Concen: 0.26 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.001 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32

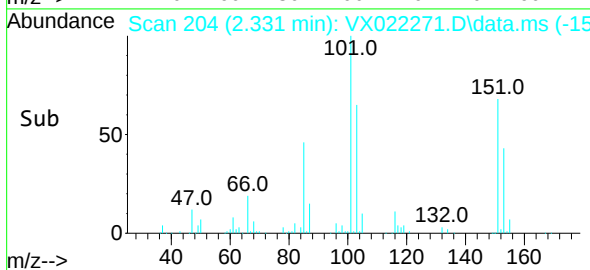
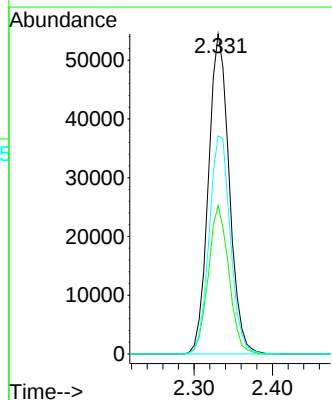
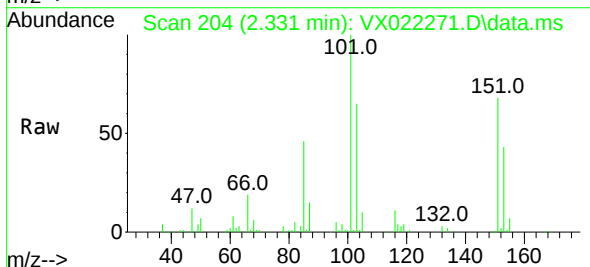
Instrument :
MSVOA_X
ClientSampleId :
04BR-20210526

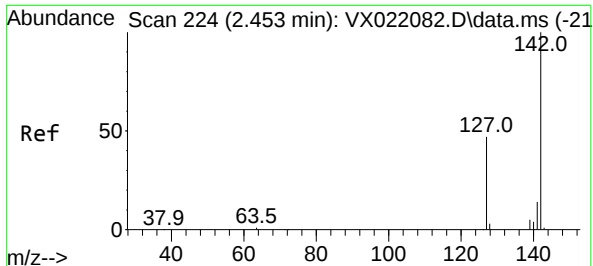
Tgt Ion: 94 Resp: 132
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 132.36 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32

Tgt Ion:101 Resp: 100206
Ion Ratio Lower Upper
101 100
85 45.7 34.9 52.3
151 69.8 61.4 92.2

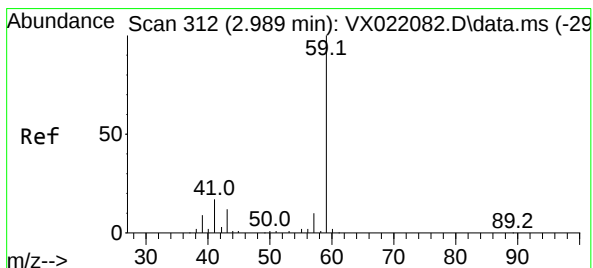
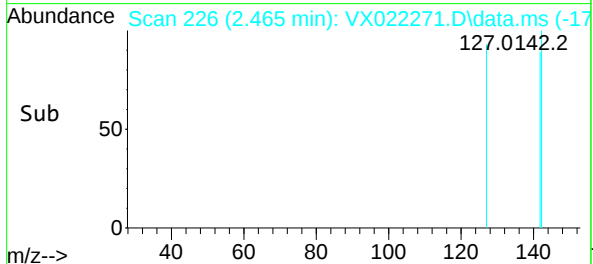
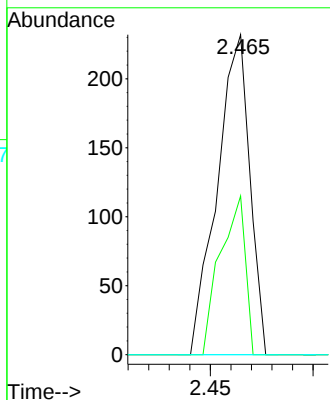
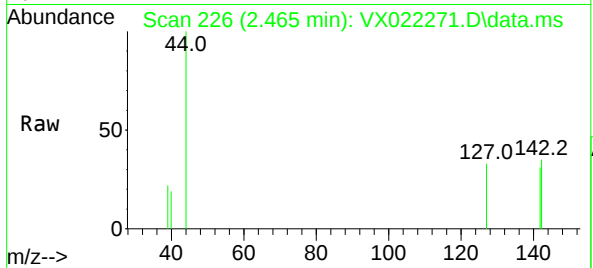




#10
Methyl Iodide
Concen: 0.31 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32

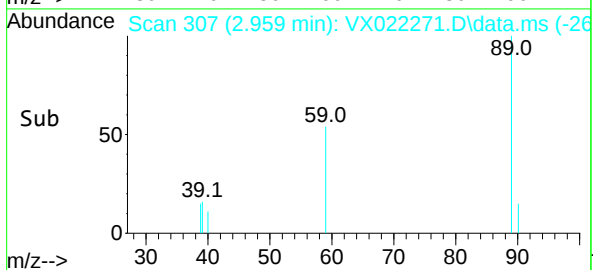
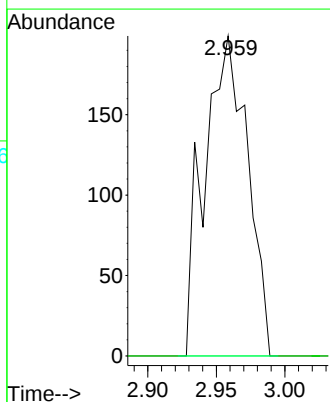
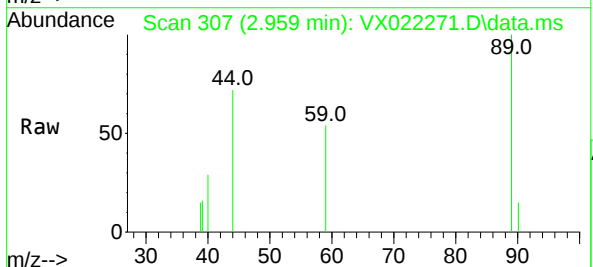
Instrument :
MSVOA_X
ClientSampleId :
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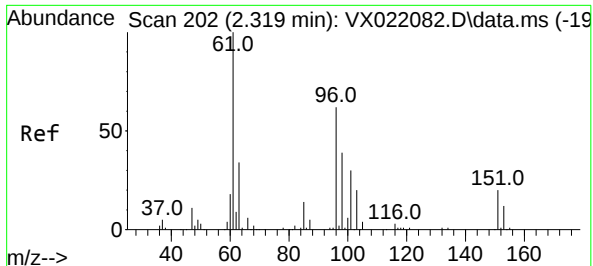
Tgt Ion:142 Resp: 256
Ion Ratio Lower Upper
142 100
127 38.3 33.3 49.9
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.94 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.030 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32

Tgt Ion: 59 Resp: 437
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 8.71 ug/l

RT: 2.324 min Scan# 203

Delta R.T. 0.005 min

Lab File: VX022271.D

Acq: 28 May 2021 23:32

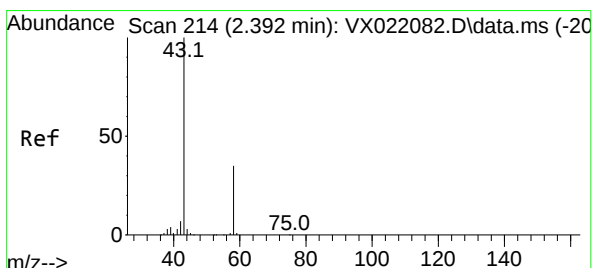
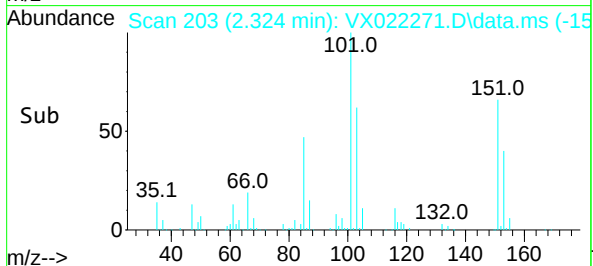
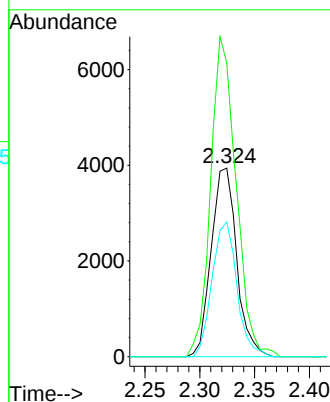
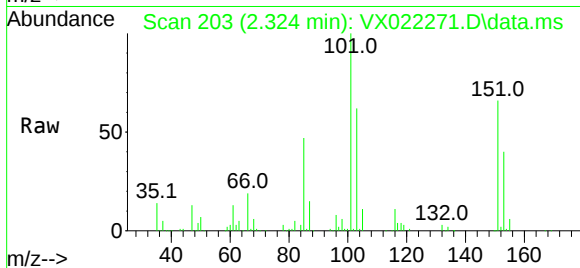
Tgt Ion: 96 Resp: 6380

Ion Ratio Lower Upper

96 100

61 156.0 124.6 187.0

98 71.5 50.6 76.0



#16

Acetone

Concen: 3.82 ug/l

RT: 2.385 min Scan# 213

Delta R.T. -0.007 min

Lab File: VX022271.D

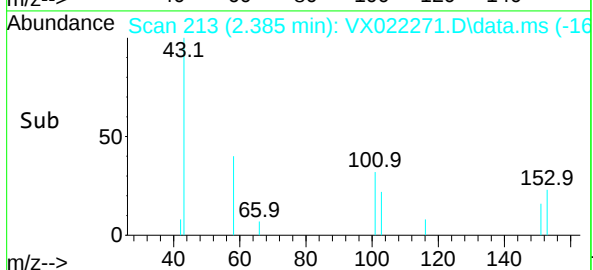
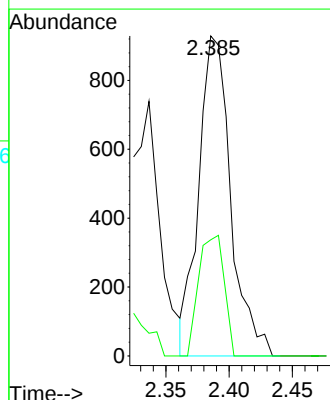
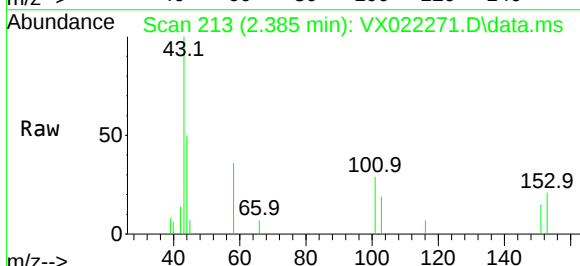
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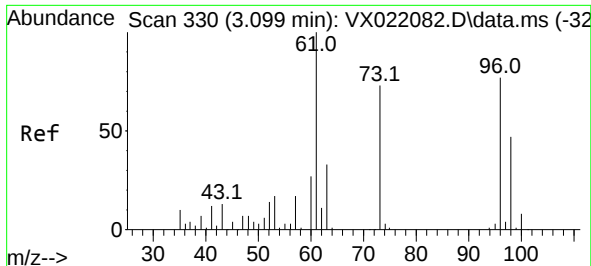
Tgt Ion: 43 Resp: 1639

Ion Ratio Lower Upper

43 100

58 36.3 27.8 41.8

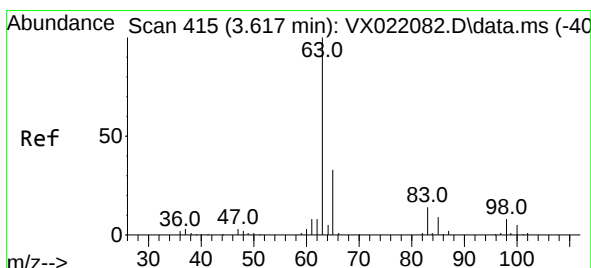
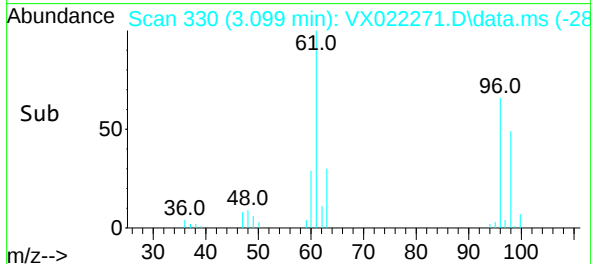
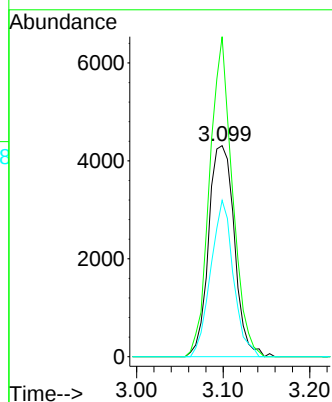
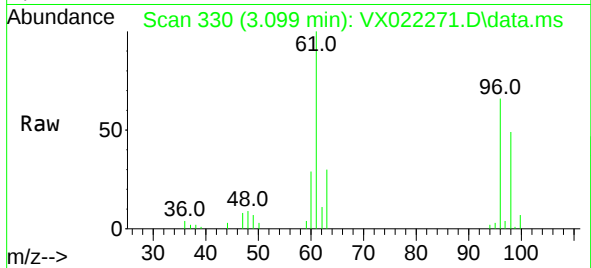




#21
trans-1,2-Dichloroethene
Concen: 11.19 ug/l
RT: 3.099 min Scan# 330
Delta R.T. -0.000 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32

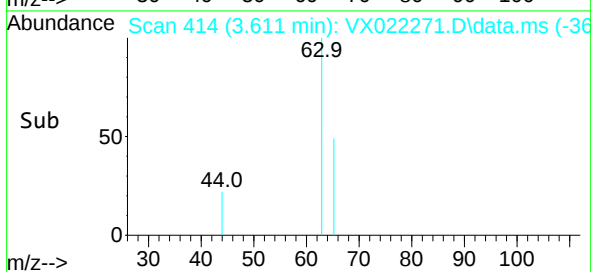
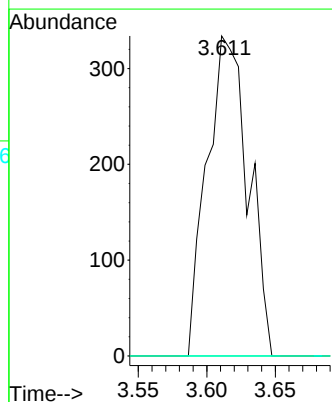
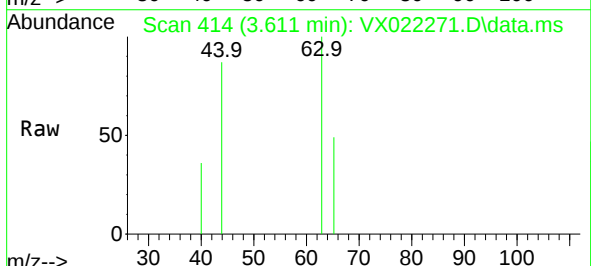
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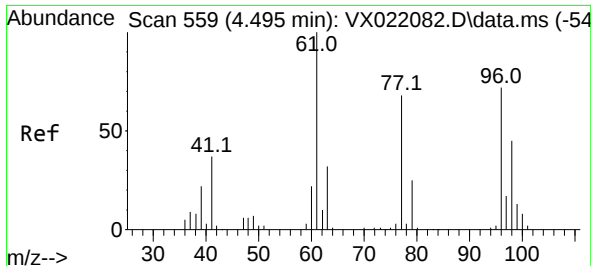
Tgt Ion: 96 Resp: 8915
Ion Ratio Lower Upper
96 100
61 151.6 107.7 161.5
98 74.1 50.4 75.6



#24
1,1-Dichloroethane
Concen: 0.46 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.006 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32

Tgt Ion: 63 Resp: 701
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: 512.31 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

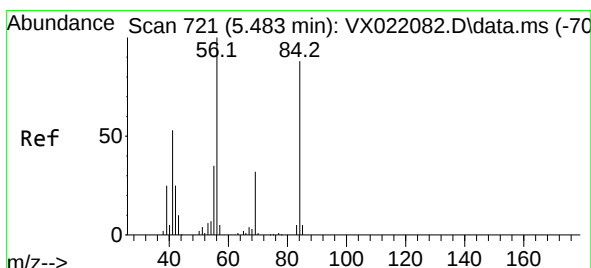
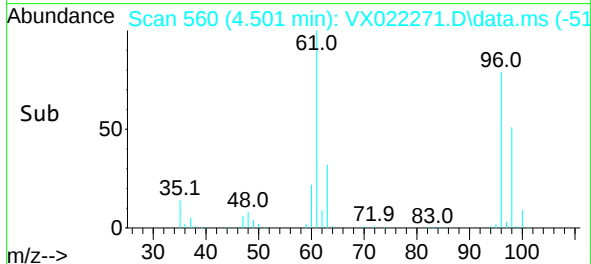
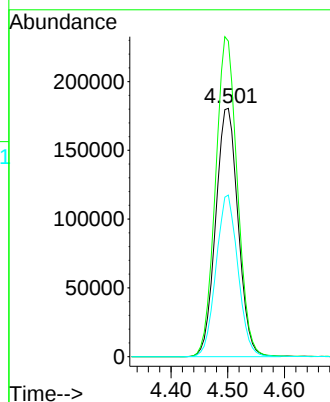
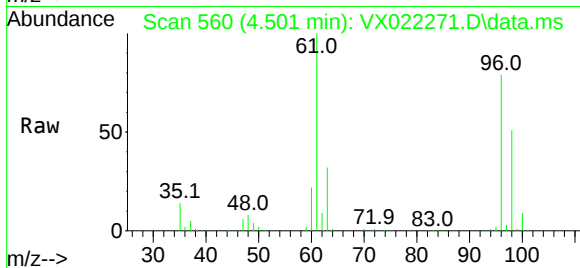
Lab File: VX022271.D

Acq: 28 May 2021 23:32

Tgt Ion: 96 Resp: 496317

Ion	Ratio	Lower	Upper
96	100		
61	125.8	0.0	285.6
98	63.6	0.0	129.6

Instrument :
MSVOA_X
ClientSampleId :
04BR-20210526



#31

Cyclohexane

Concen: 1.25 ug/l

RT: 5.556 min Scan# 733

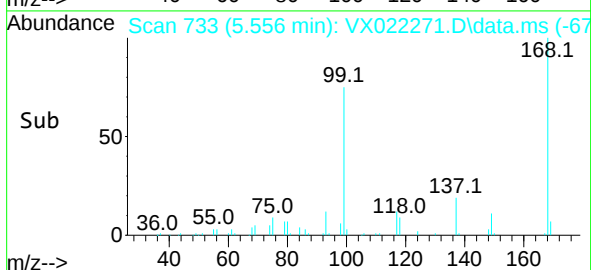
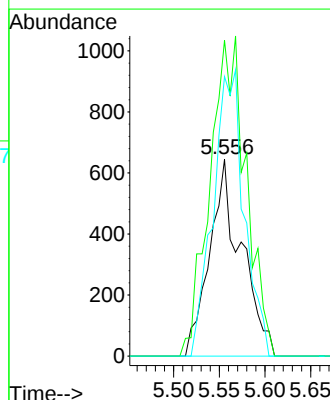
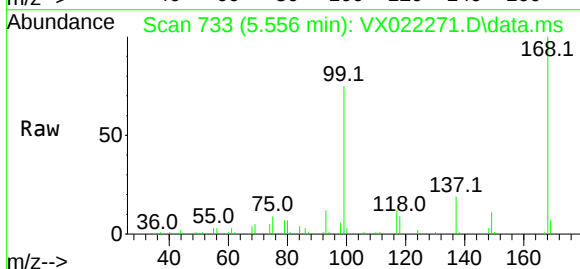
Delta R.T. 0.073 min

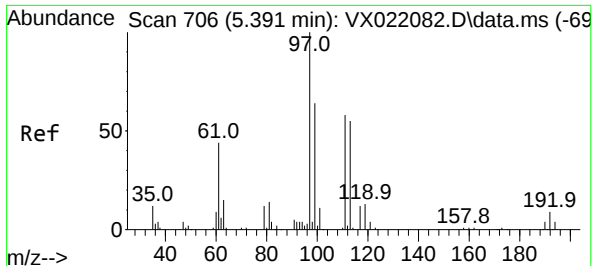
Lab File: VX022271.D

Acq: 28 May 2021 23:32

Tgt Ion: 56 Resp: 1554

Ion	Ratio	Lower	Upper
56	100		
69	160.5	25.3	37.9#
84	142.0	71.4	107.0#

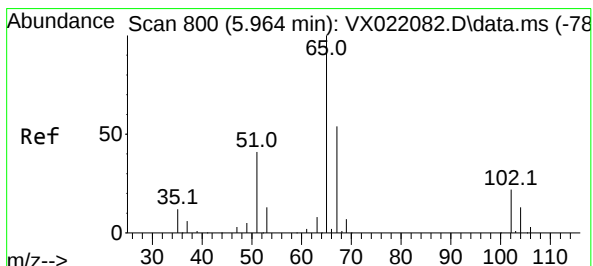
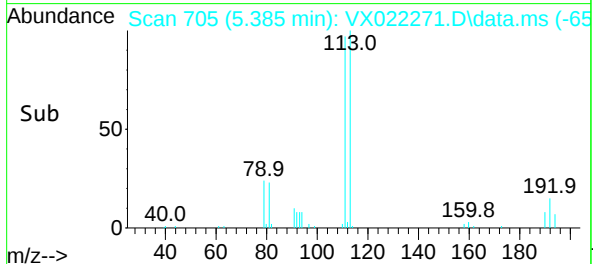
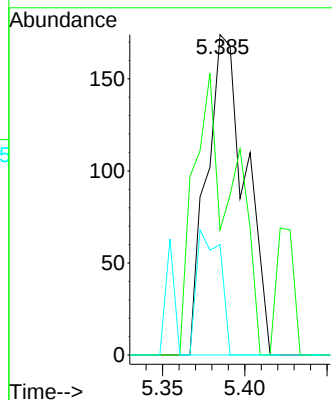
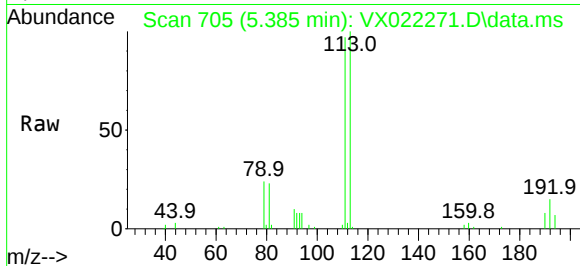




#32
1,1,1-Trichloroethane
Concen: 0.21 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32

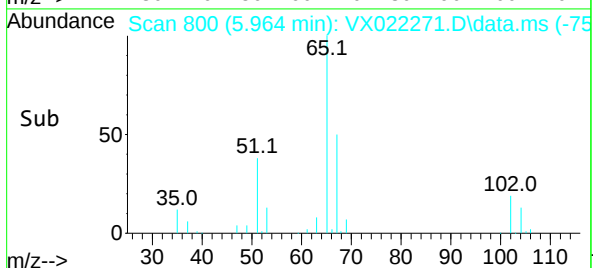
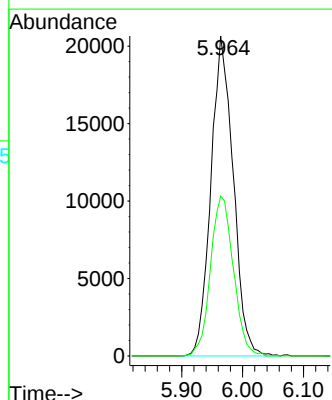
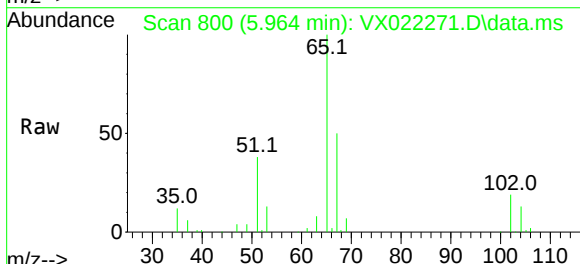
Instrument :
MSVOA_X
ClientSampleId :
04BR-20210526

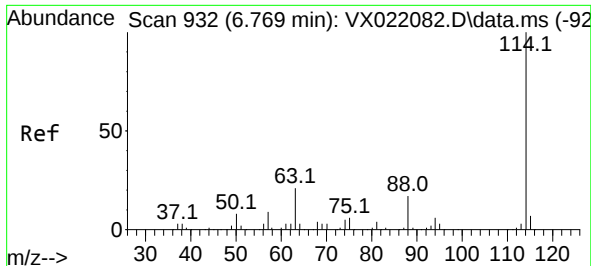
Tgt Ion: 97 Resp: 285
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 23.9 34.2 51.4#



#33
1,2-Dichloroethane-d4
Concen: 53.25 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32

Tgt Ion: 65 Resp: 52485
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.4

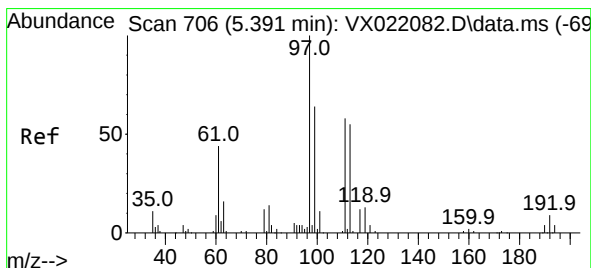
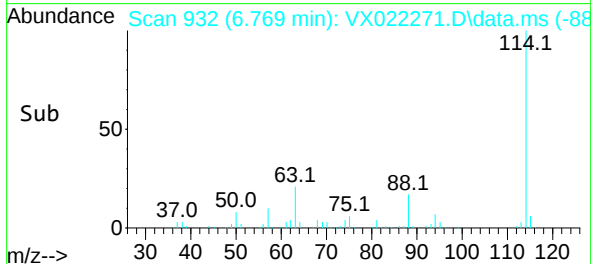
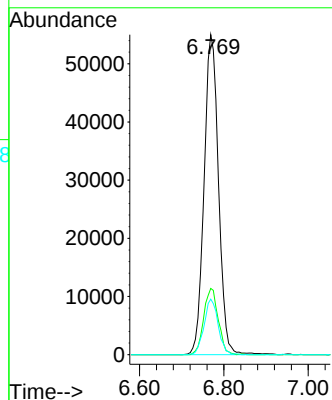
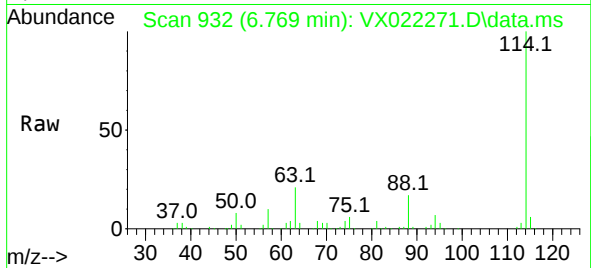




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32

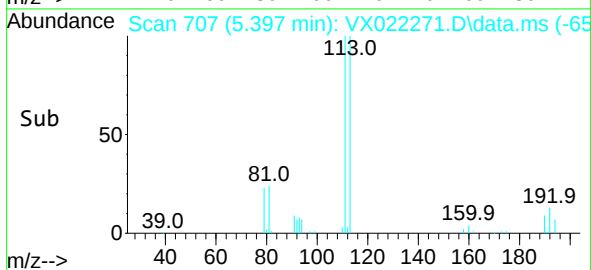
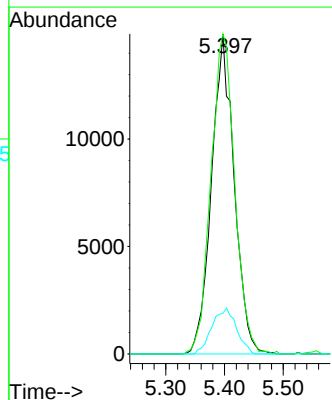
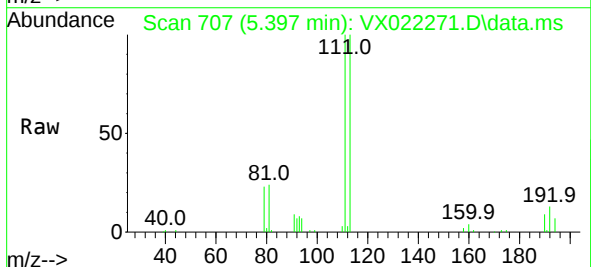
Instrument :
MSVOA_X
ClientSampleId :
04BR-20210526

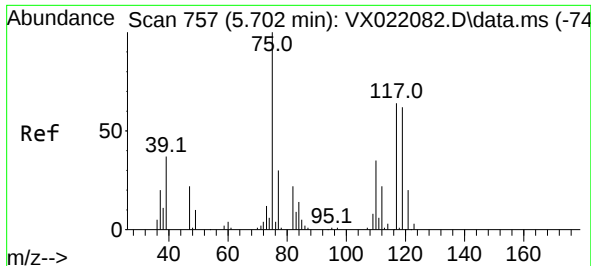
Tgt Ion:114 Resp: 131304
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 17.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.75 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32

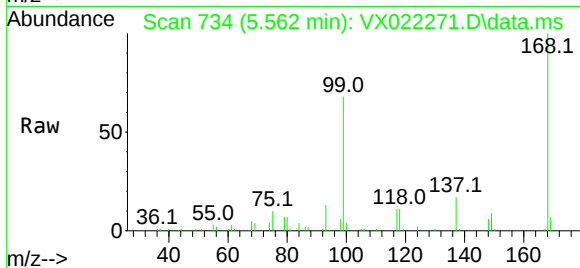
Tgt Ion:113 Resp: 39759
Ion Ratio Lower Upper
113 100
111 105.3 81.9 122.9
192 15.6 16.7 25.1#



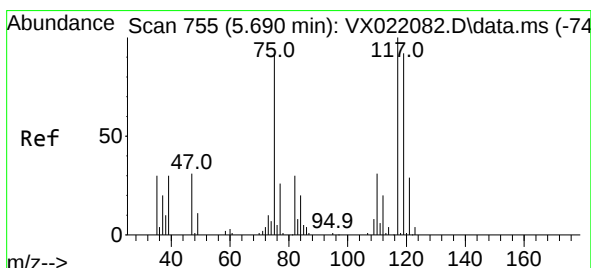
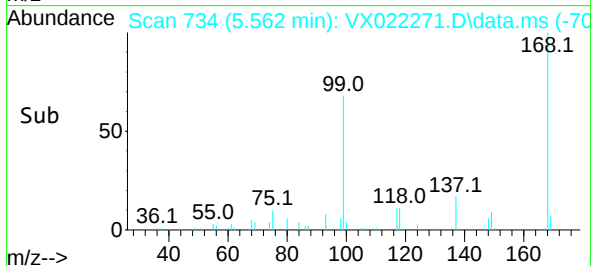
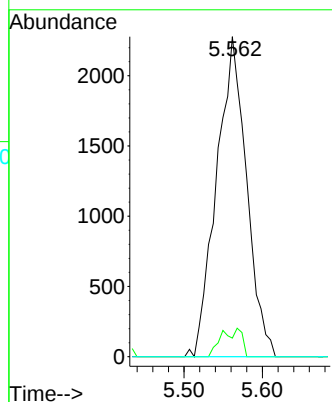


#36
1,1-Dichloropropene
Concen: 4.99 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32

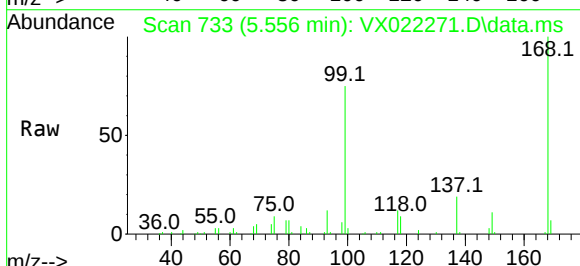
Instrument :
MSVOA_X
ClientSampleId :
04BR-20210526



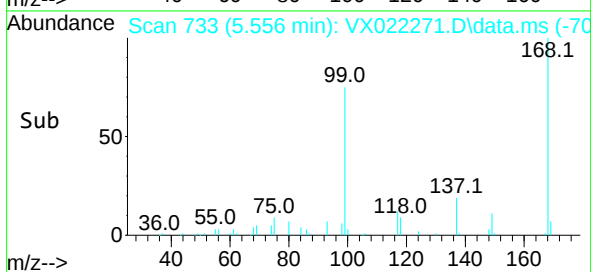
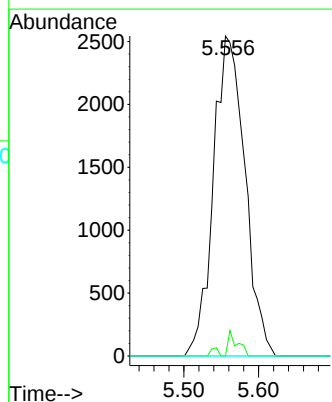
Tgt Ion: 75 Resp: 6059
Ion Ratio Lower Upper
75 100
110 6.1 18.1 54.4#
77 0.0 25.3 37.9#

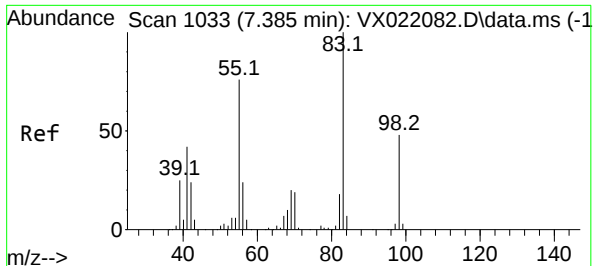


#38
Carbon Tetrachloride
Concen: 6.29 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32



Tgt Ion: 117 Resp: 7467
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 7.15 ug/l

RT: 7.135 min Scan# 992

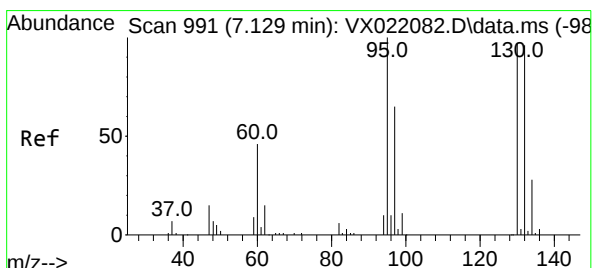
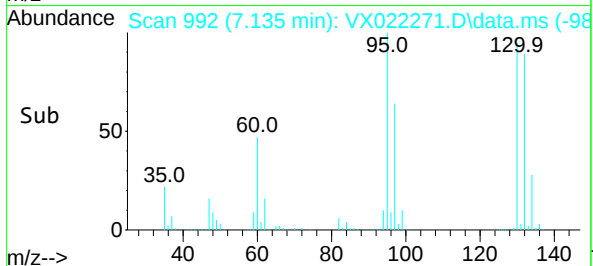
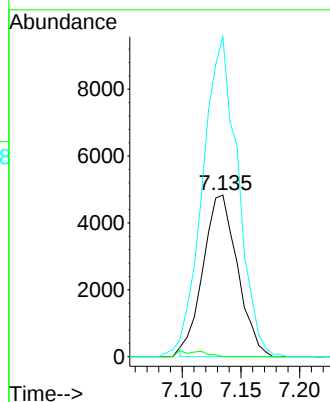
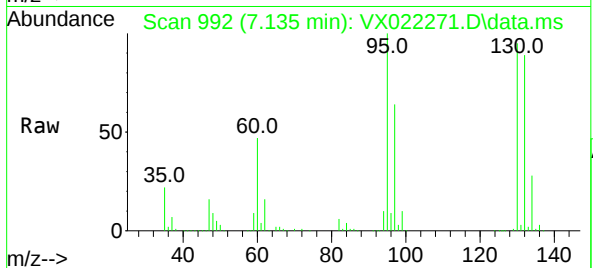
Delta R.T. -0.250 min

Lab File: VX022271.D

Acq: 28 May 2021 23:32

Tgt Ion:	83	Resp:	9839
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	196.5	38.1	57.1#

Instrument :
MSVOA_X
ClientSampleId :
04BR-20210526



#44

Trichloroethene

Concen: 805.15 ug/l

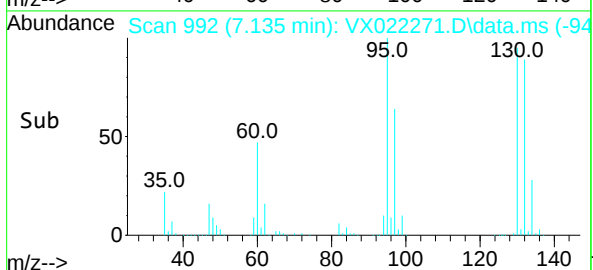
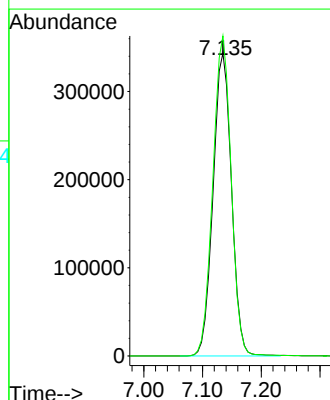
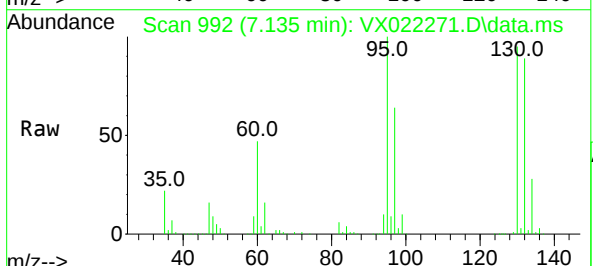
RT: 7.135 min Scan# 992

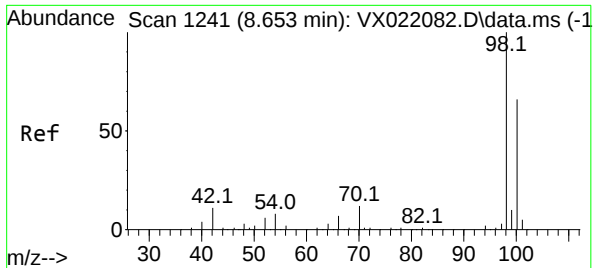
Delta R.T. 0.006 min

Lab File: VX022271.D

Acq: 28 May 2021 23:32

Tgt Ion:	130	Resp:	747445
Ion	Ratio	Lower	Upper
130	100		
95	105.6	0.0	198.0

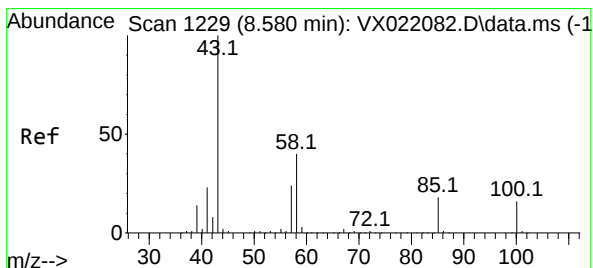
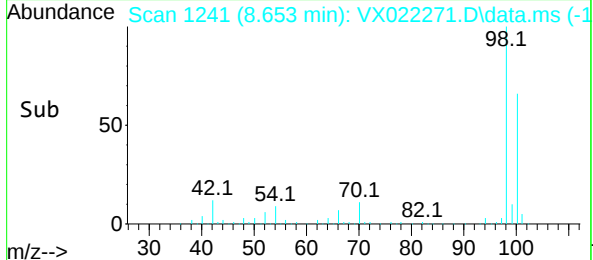
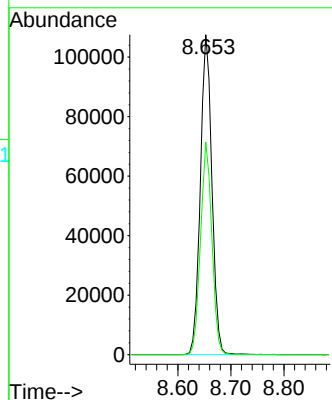
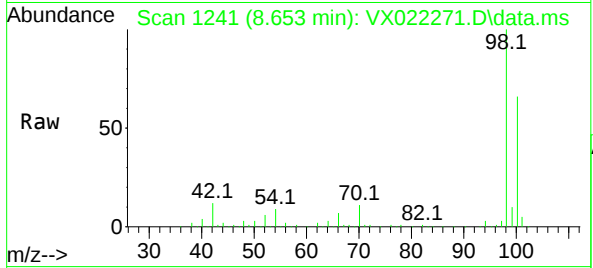




#50
Toluene-d8
Concen: 50.79 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32

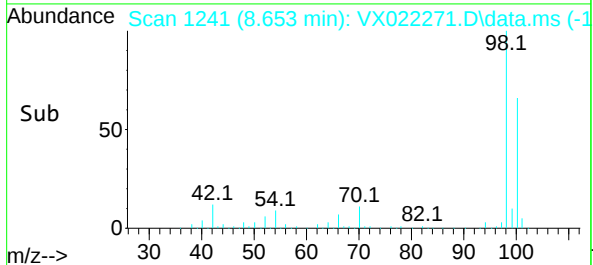
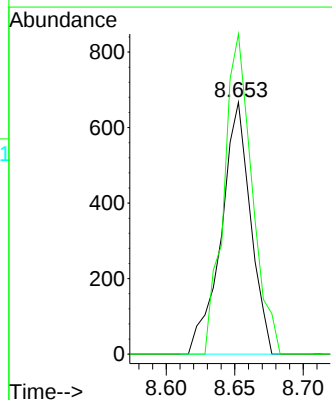
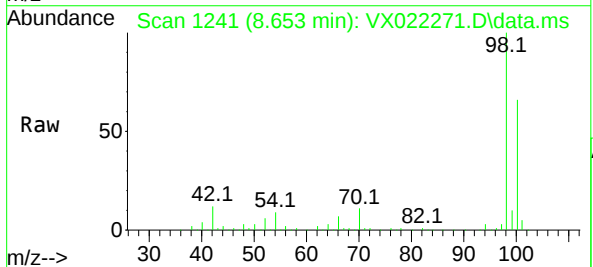
Instrument :
MSVOA_X
ClientSampleId :
04BR-20210526

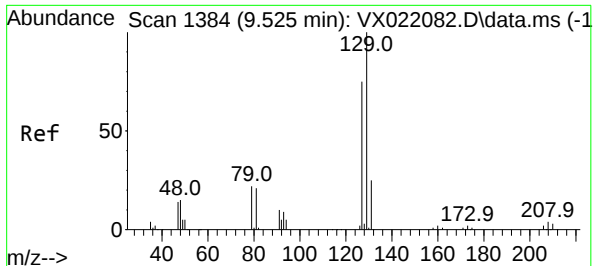
Tgt Ion: 98 Resp: 162922
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.68 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32

Tgt Ion: 43 Resp: 994
Ion Ratio Lower Upper
43 100
58 121.7 35.4 53.0#

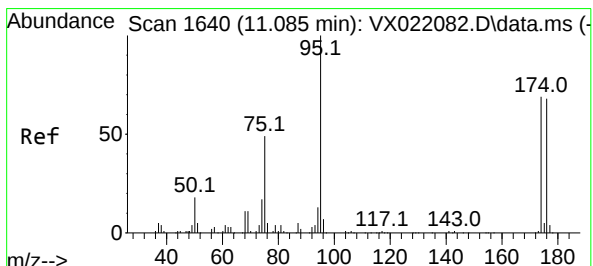
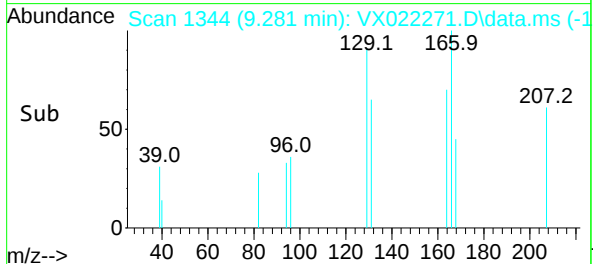
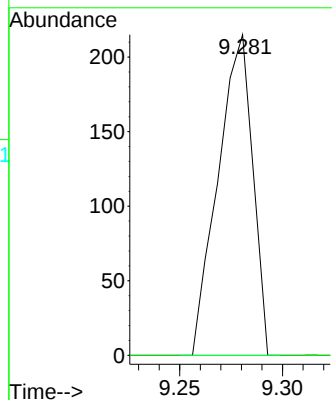
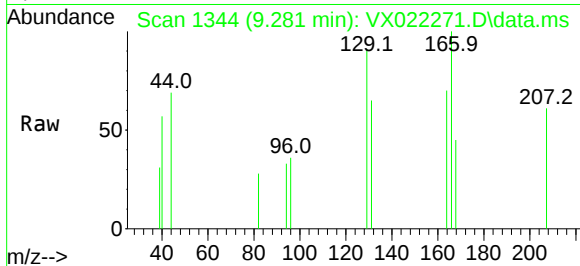




#60
Dibromochloromethane
Concen: 0.27 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32

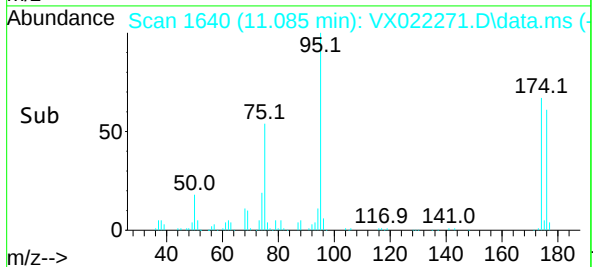
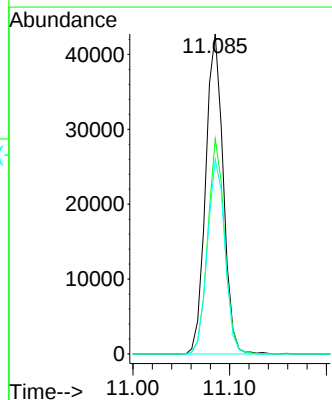
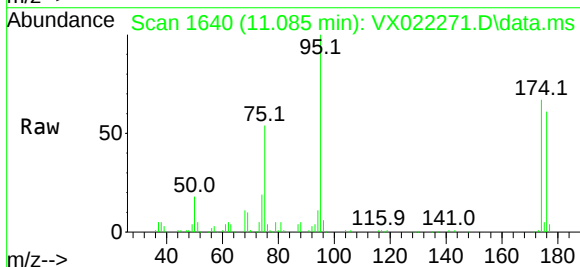
Instrument :
MSVOA_X
ClientSampleId :
04BR-20210526

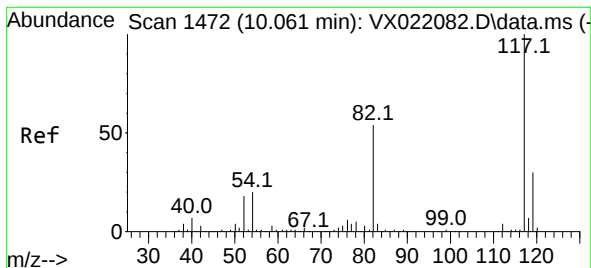
Tgt Ion:129 Resp: 252
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.59 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32

Tgt Ion: 95 Resp: 54054
Ion Ratio Lower Upper
95 100
174 64.4 0.0 154.6
176 60.6 0.0 155.8

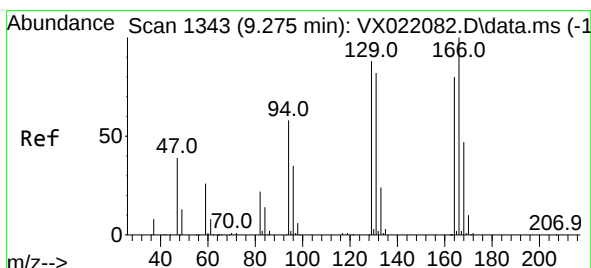
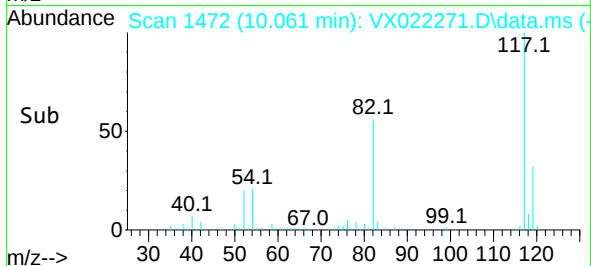
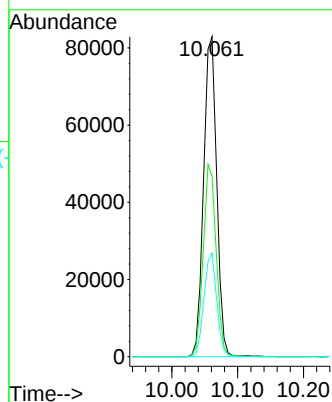
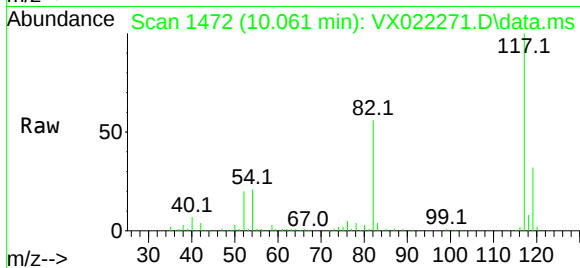




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32

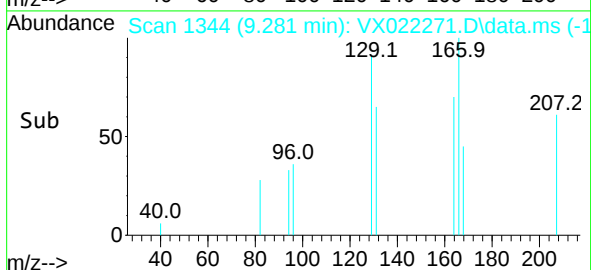
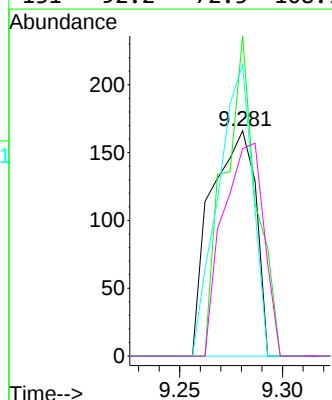
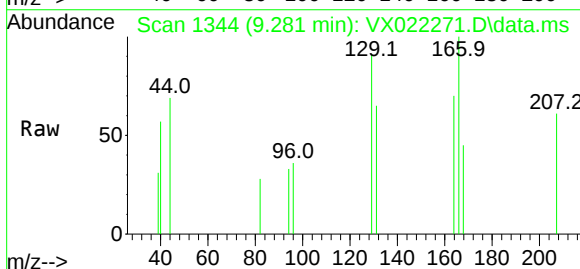
Instrument :
MSVOA_X
ClientSampleId :
04BR-20210526

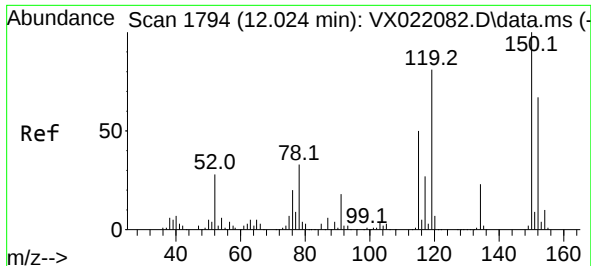
Tgt Ion:117 Resp: 115116
Ion Ratio Lower Upper
117 100
82 56.4 47.4 71.2
119 32.4 26.6 39.8



#64
Tetrachloroethene
Concen: 0.33 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX022271.D
Acq: 28 May 2021 23:32

Tgt Ion:164 Resp: 251
Ion Ratio Lower Upper
164 100
166 142.2 103.4 155.2
129 129.5 70.8 106.2#
131 92.2 72.5 108.7

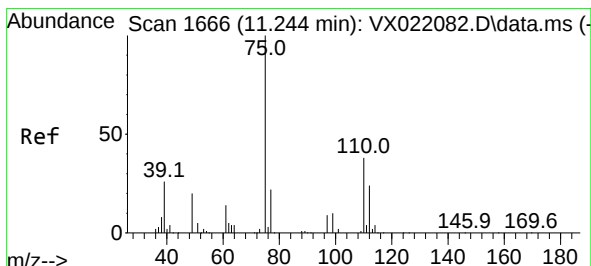
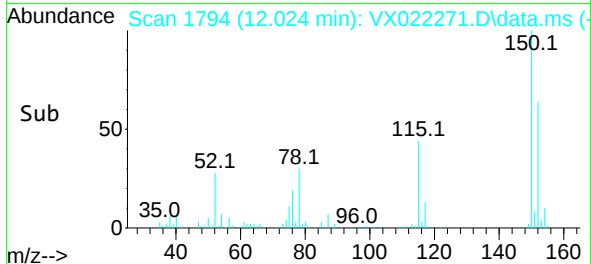
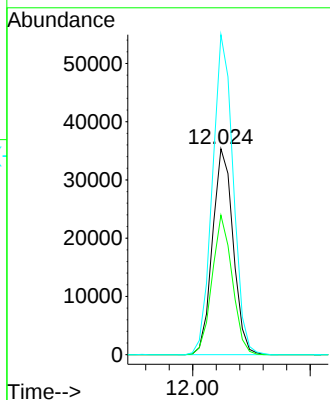
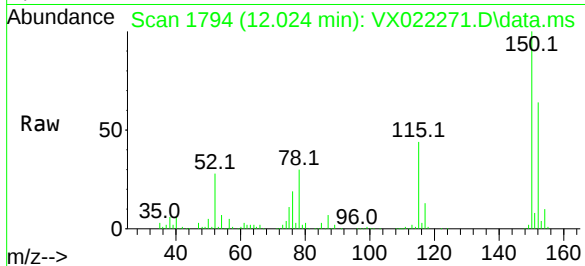




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. -0.000 min
 Lab File: VX022271.D
 Acq: 28 May 2021 23:32

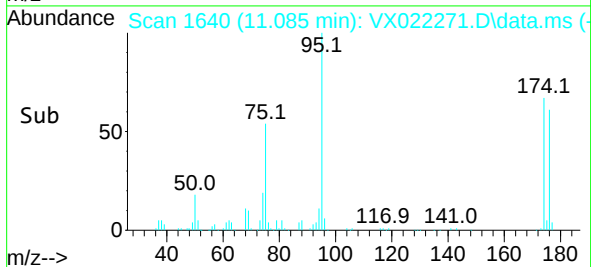
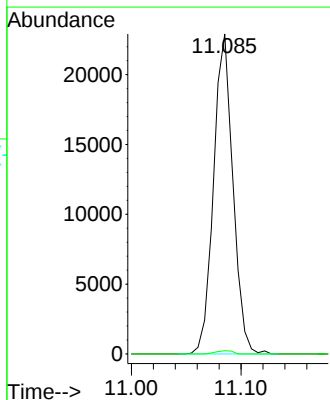
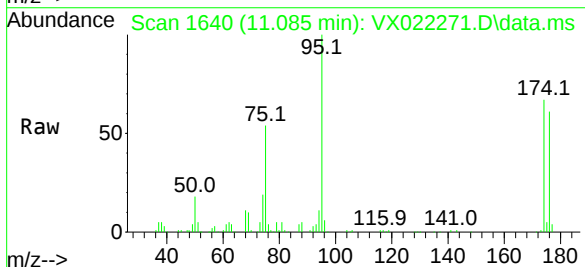
Instrument :
 MSVOA_X
 ClientSampleId :
 04BR-20210526

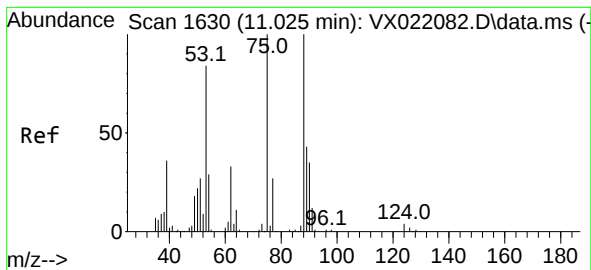
Tgt Ion:152 Resp: 43226
 Ion Ratio Lower Upper
 152 100
 115 65.9 41.1 123.3
 150 156.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.39 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX022271.D
 Acq: 28 May 2021 23:32

Tgt Ion: 75 Resp: 28145
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.53 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.060 min
 Lab File: VX022271.D
 Acq: 28 May 2021 23:32

Instrument :
 MSVOA_X
 ClientSampleId :
 04BR-20210526

Tgt Ion: 75 Resp: 28145
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

