

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070821\
 Data File : VX023204.D
 Acq On : 08 Jul 2021 17:03
 Operator : JC/MD
 Sample : PB137563TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 09 08:13:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

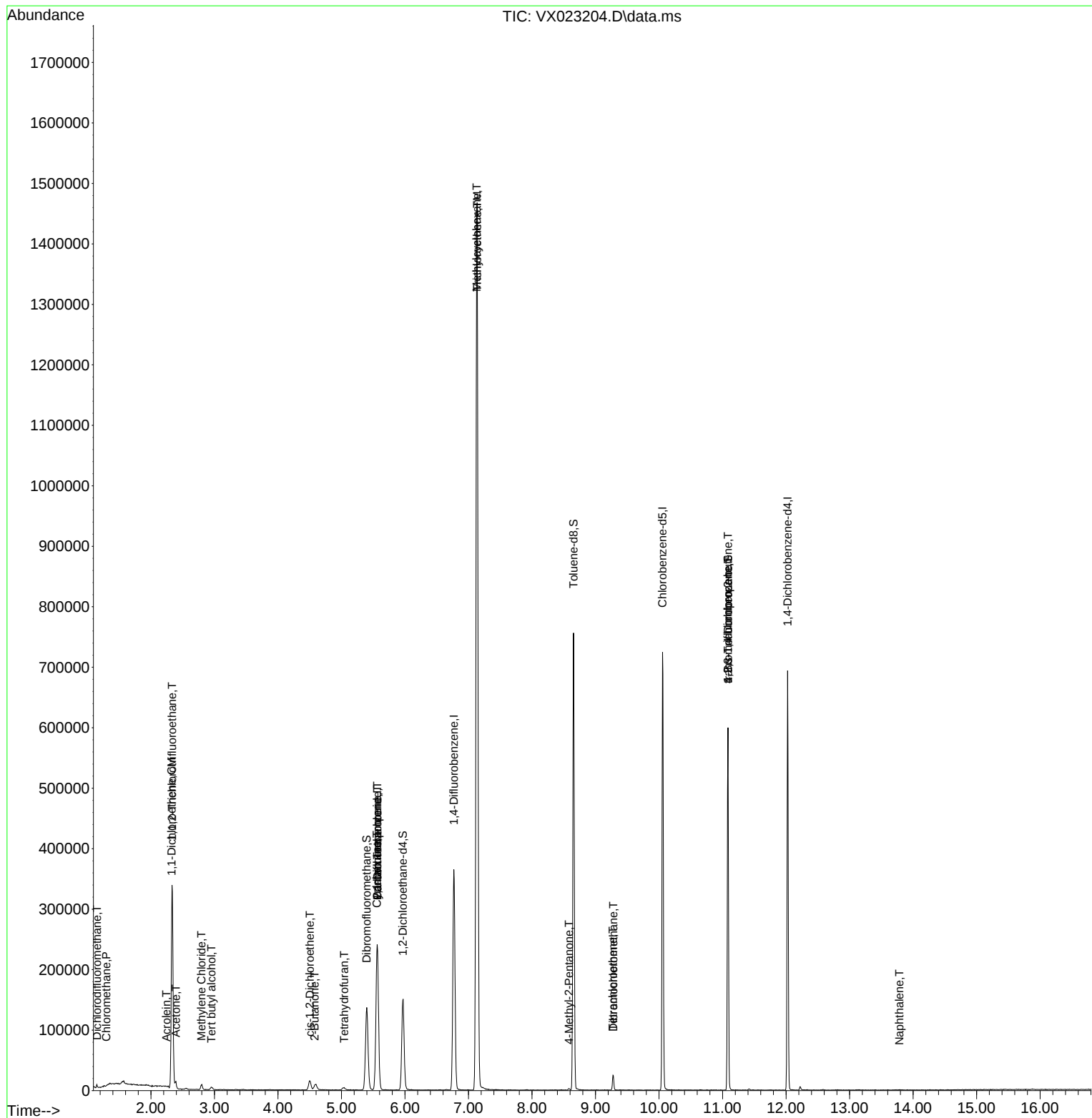
Internal Standards						
1) Pentafluorobenzene	5.562	168	222343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	367235	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	326839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	138797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	151688	50.761	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	101.520%	
35) Dibromofluoromethane	5.397	113	114894	48.449	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	96.900%	
50) Toluene-d8	8.653	98	434263	49.091	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	98.180%	
62) 4-Bromofluorobenzene	11.085	95	157230	46.040	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	92.080%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.148	85	428	0.212	ug/l	93
3) Chloromethane	1.294	50	484	0.243	ug/l	96
5) Bromomethane	1.611	94	351	Below Cal		91
9) 1,1,2-Trichlorotrifluo...	2.331	101	131960	61.450	ug/l	96
11) Tert butyl alcohol	2.953	59	2943	4.681	ug/l #	73
12) 1,1-Dichloroethene	2.325	96	961	0.485	ug/l	94
13) Acrolein	2.239	56	140	0.334	ug/l #	1
16) Acetone	2.392	43	10727	9.073	ug/l	94
20) Methylene Chloride	2.794	84	3760	1.477	ug/l	92
25) 2-Butanone	4.574	43	3631	2.037	ug/l	93
27) cis-1,2-Dichloroethene	4.501	96	9976	3.848	ug/l	90
29) Tetrahydrofuran	5.044	42	3727	3.252	ug/l #	44
31) Cyclohexane	5.556	56	5154	1.440	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	17805	5.439	ug/l #	51
38) Carbon Tetrachloride	5.562	117	23966	7.013	ug/l #	15
39) Methylcyclohexane	7.129	83	7153	1.868	ug/l #	1
44) Trichloroethene	7.135	130	564275	209.272	ug/l	98
51) 4-Methyl-2-Pentanone	8.580	43	1683	0.457	ug/l #	86
60) Dibromochloromethane	9.281	129	4701	4.641	ug/l #	11
64) Tetrachloroethene	9.275	164	4891	1.876	ug/l	88
76) 1,2,3-Trichloropropane	11.085	75	81553	29.198	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	81553	78.526	ug/l #	12
95) Naphthalene	13.786	128	199	1.294	ug/l #	69

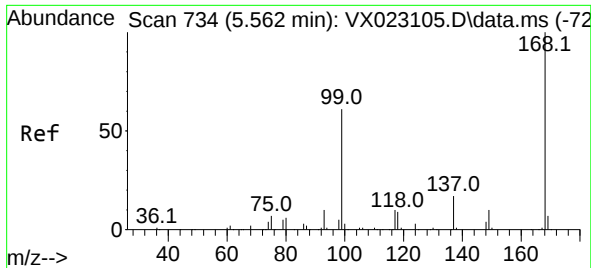
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

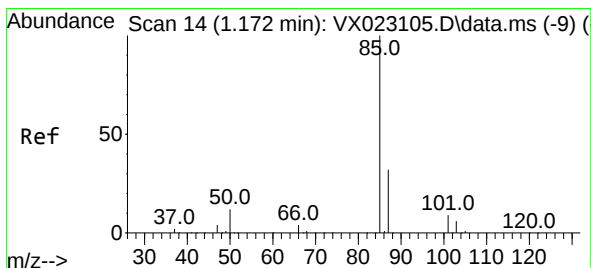
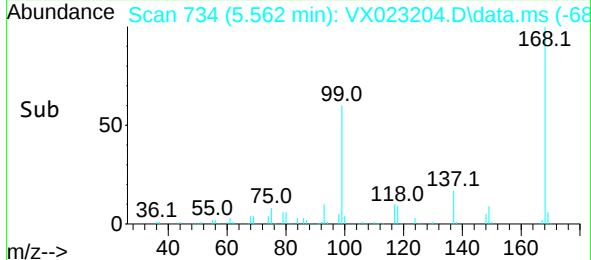
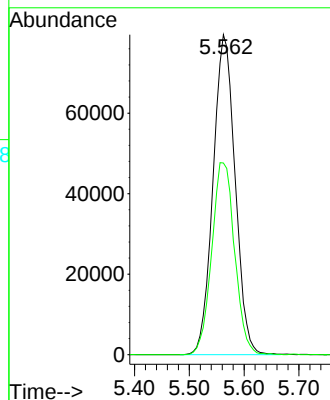
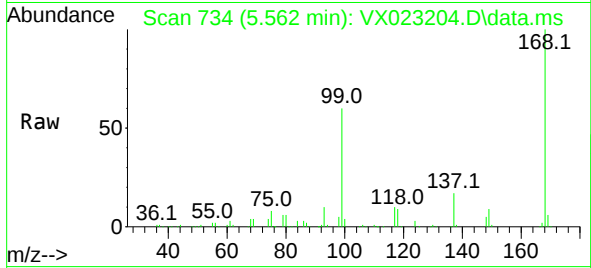




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

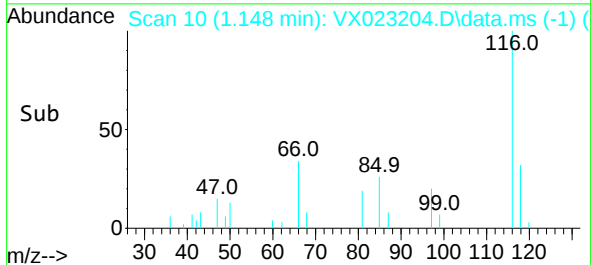
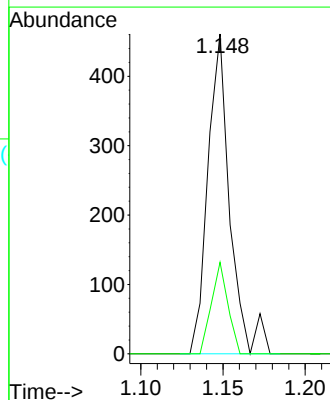
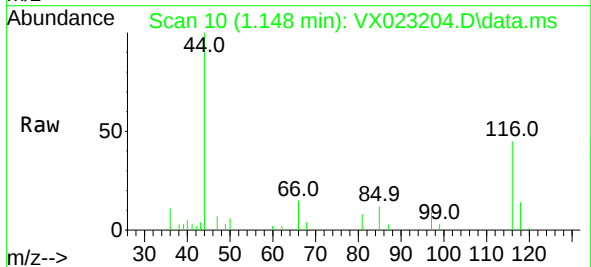
Instrument :
MSVOA_X
ClientSampled :

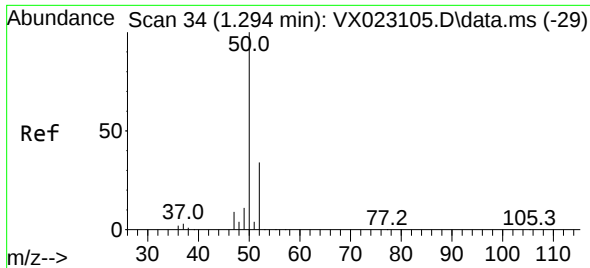
Tgt Ion:168 Resp: 222343
Ion Ratio Lower Upper
168 100
99 59.9 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.212 ug/l
RT: 1.148 min Scan# 10
Delta R.T. -0.024 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

Tgt Ion: 85 Resp: 428
Ion Ratio Lower Upper
85 100
87 28.6 16.4 49.2

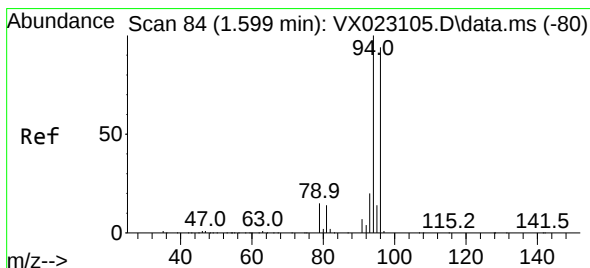
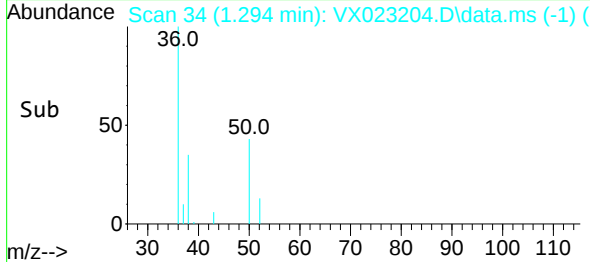
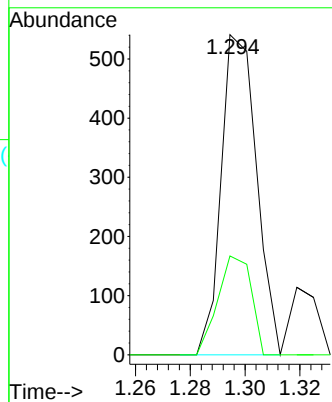
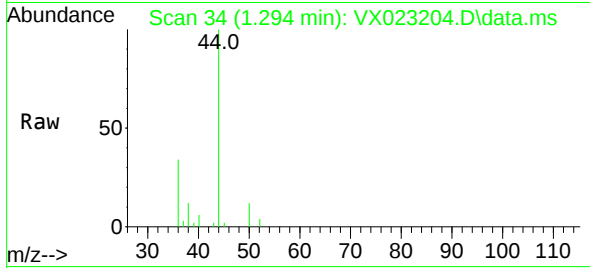




#3
Chloromethane
Concen: 0.243 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

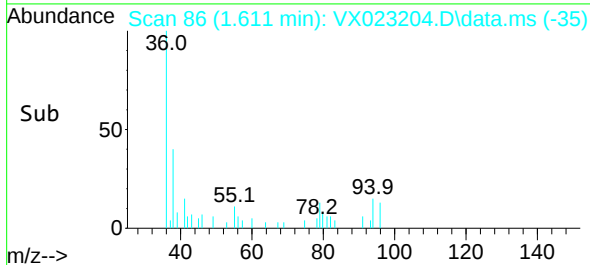
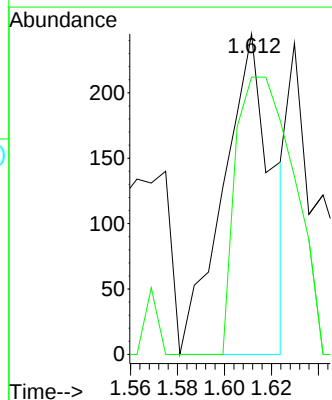
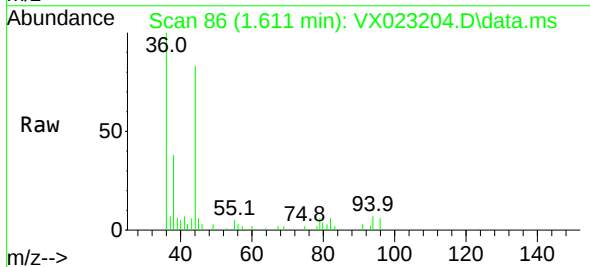
Instrument :
MSVOA_X
ClientSampled :

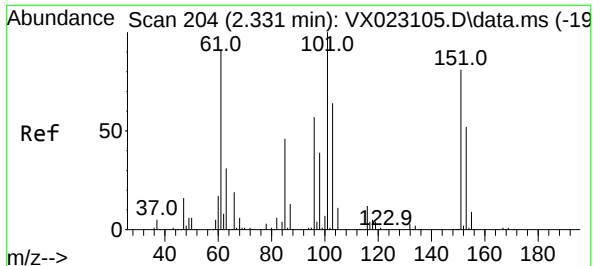
Tgt Ion: 50 Resp: 484
Ion Ratio Lower Upper
50 100
52 30.9 26.4 39.6



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

Tgt Ion: 94 Resp: 351
Ion Ratio Lower Upper
94 100
96 86.5 76.4 114.6

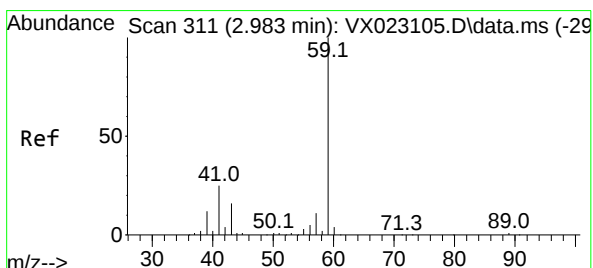
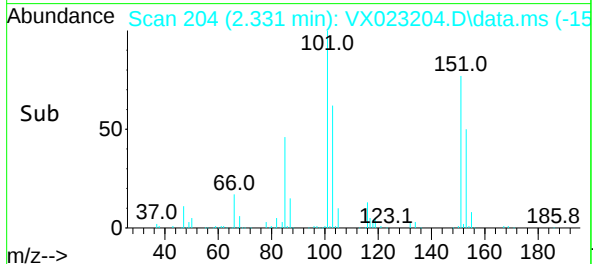
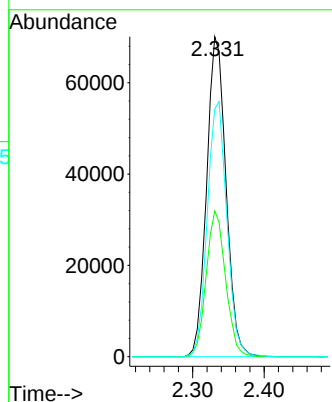
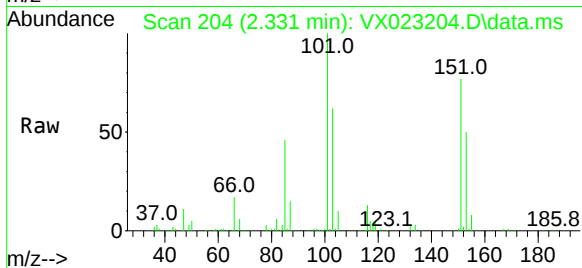




#9
1,1,2-Trichlorotrifluoroethane
Concen: 61.450 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

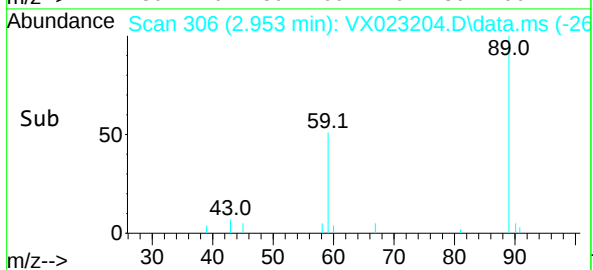
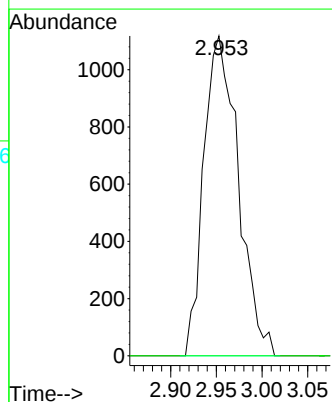
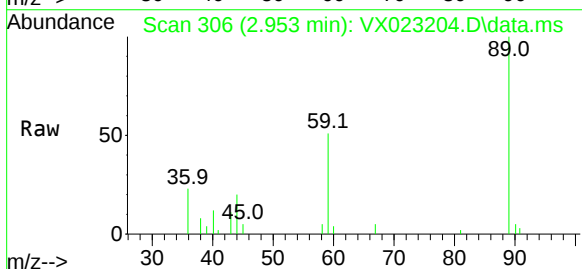
Instrument :
MSVOA_X
ClientSampled :

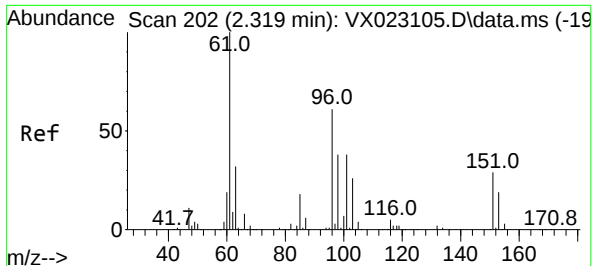
Tgt Ion:101 Resp: 131960
Ion Ratio Lower Upper
101 100
85 45.5 34.9 52.3
151 80.7 61.4 92.2



#11
Tert butyl alcohol
Concen: 4.681 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

Tgt Ion: 59 Resp: 2943
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.485 ug/l

RT: 2.325 min Scan# 203

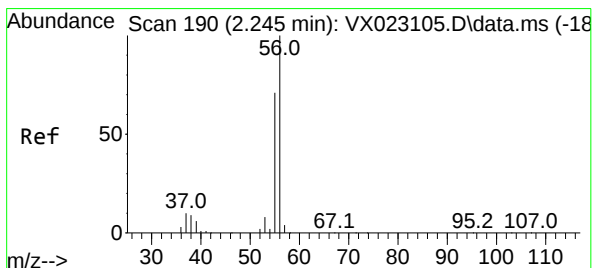
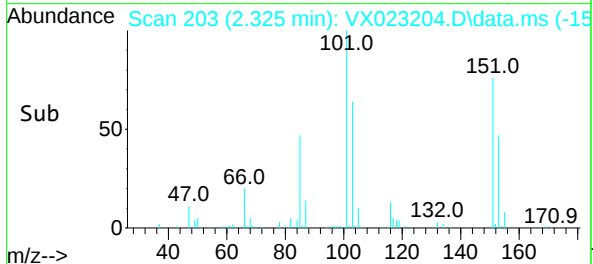
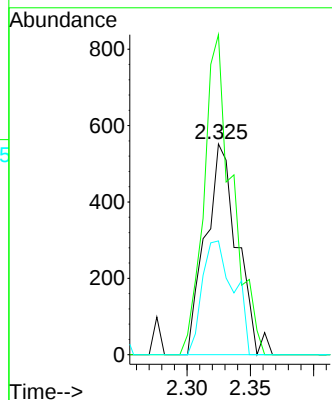
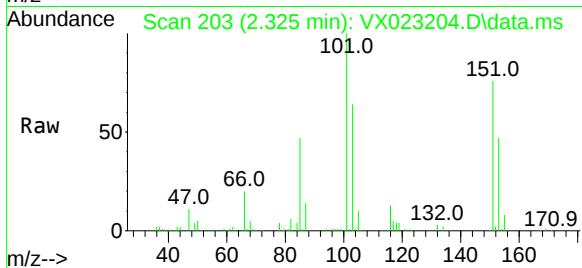
Delta R.T. 0.006 min

Lab File: VX023204.D

Acq: 08 Jul 2021 17:03

Tgt Ion: 96 Resp: 961

Ion	Ratio	Lower	Upper
96	100		
61	151.8	124.6	187.0
98	54.0	50.6	76.0



#13

Acrolein

Concen: 0.334 ug/l

RT: 2.239 min Scan# 189

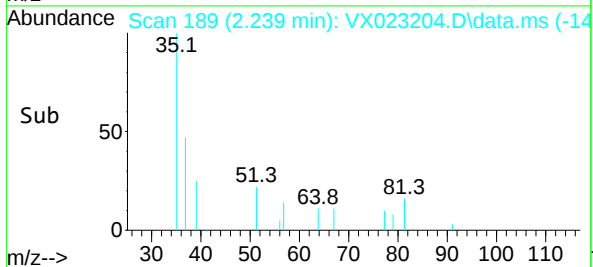
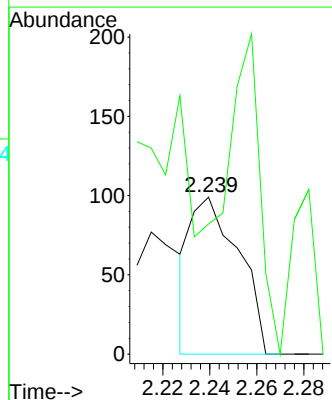
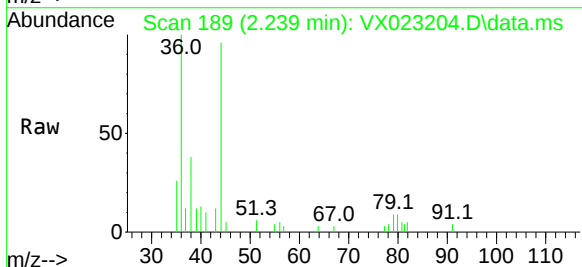
Delta R.T. -0.006 min

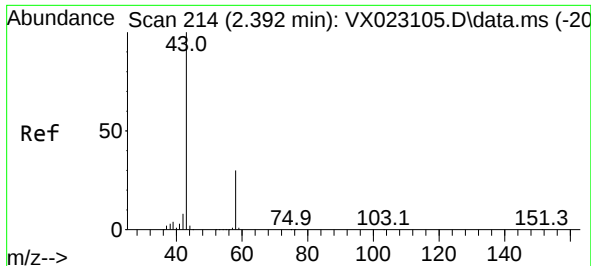
Lab File: VX023204.D

Acq: 08 Jul 2021 17:03

Tgt Ion: 56 Resp: 140

Ion	Ratio	Lower	Upper
56	100		
55	215.7	56.4	84.6#

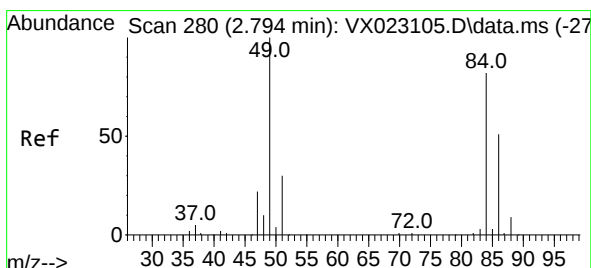
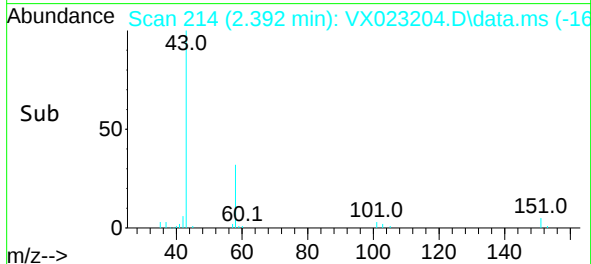
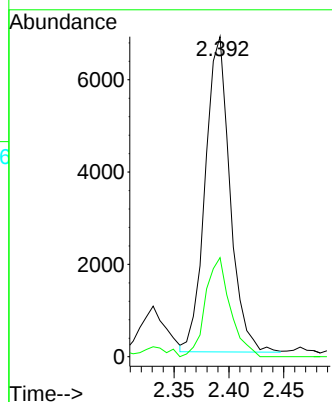
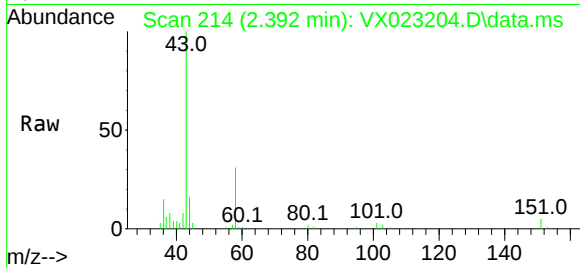




#16
Acetone
Concen: 9.073 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

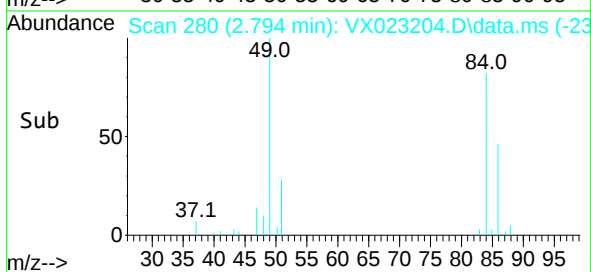
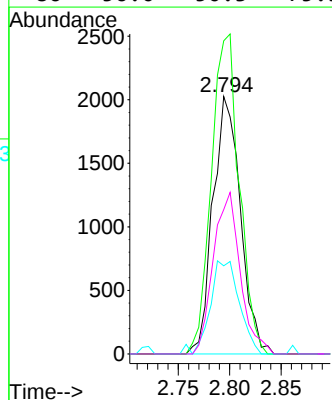
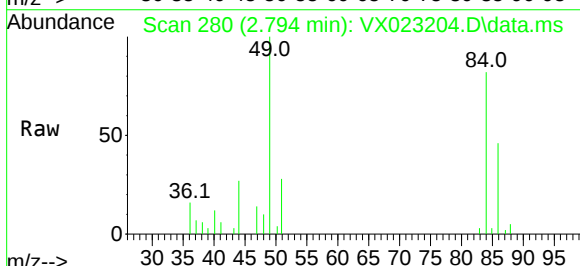
Instrument :
MSVOA_X
ClientSampled :

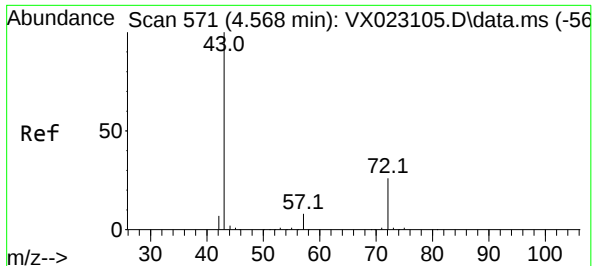
Tgt Ion: 43 Resp: 10727
Ion Ratio Lower Upper
43 100
58 31.5 27.8 41.8



#20
Methylene Chloride
Concen: 1.477 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

Tgt Ion: 84 Resp: 3760
Ion Ratio Lower Upper
84 100
49 121.6 88.6 132.8
51 34.3 27.0 40.6
86 56.0 50.3 75.5

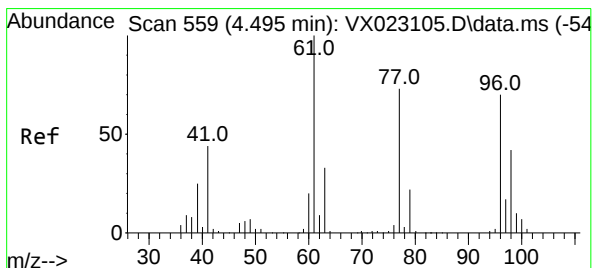
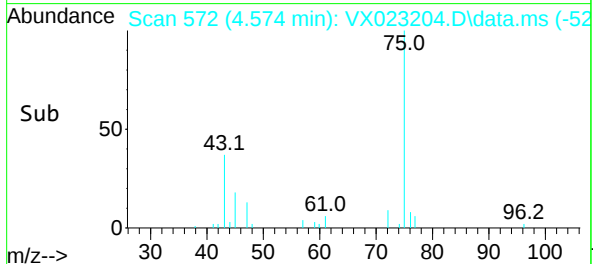
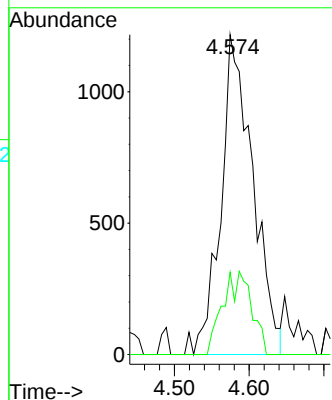
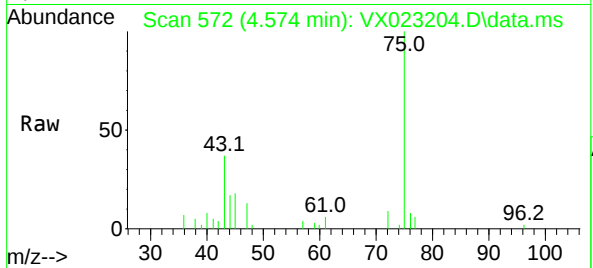




#25
2-Butanone
Concen: 2.037 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

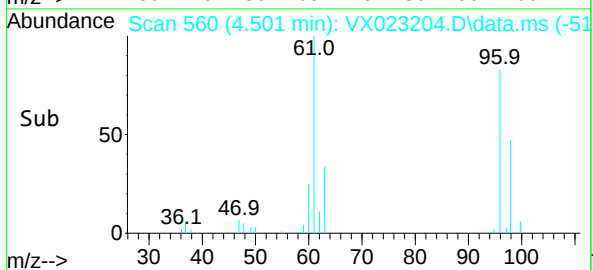
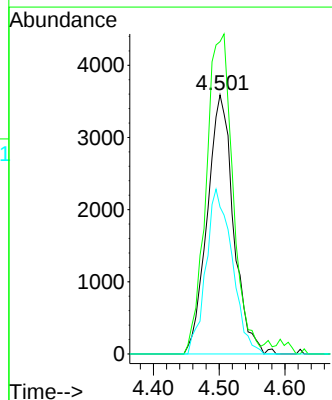
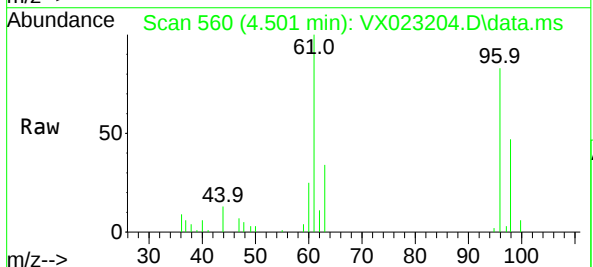
Instrument :
MSVOA_X
ClientSampled :

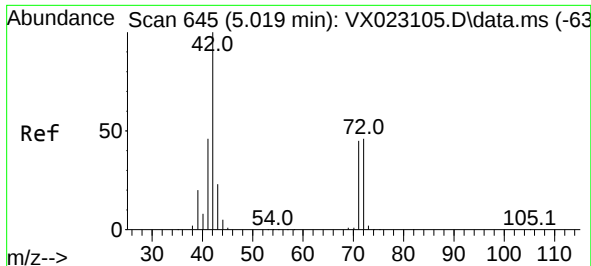
Tgt Ion: 43 Resp: 3631
Ion Ratio Lower Upper
43 100
72 25.7 23.7 35.5



#27
cis-1,2-Dichloroethene
Concen: 3.848 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

Tgt Ion: 96 Resp: 9976
Ion Ratio Lower Upper
96 100
61 126.0 0.0 285.6
98 63.5 0.0 129.6





#29

Tetrahydrofuran

Concen: 3.252 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.025 min

Lab File: VX023204.D

Acq: 08 Jul 2021 17:03

Tgt Ion: 42 Resp: 3727

Ion Ratio Lower Upper

42 100

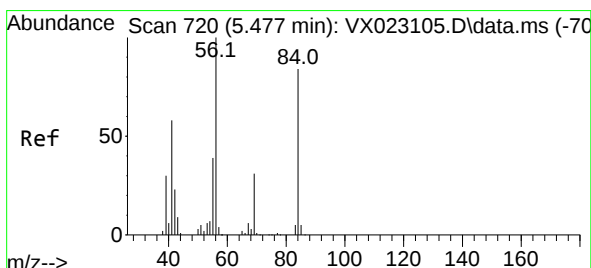
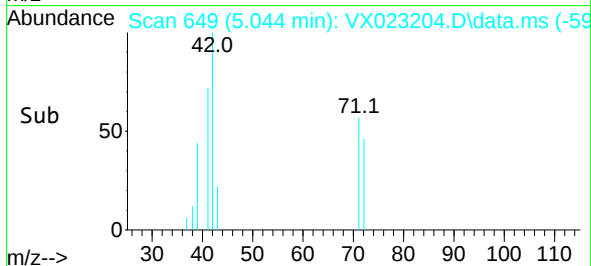
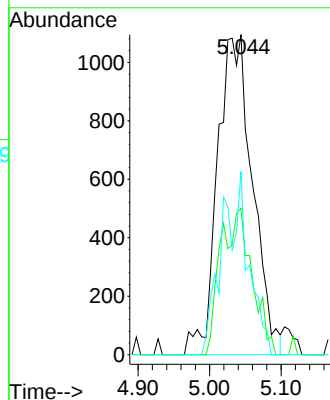
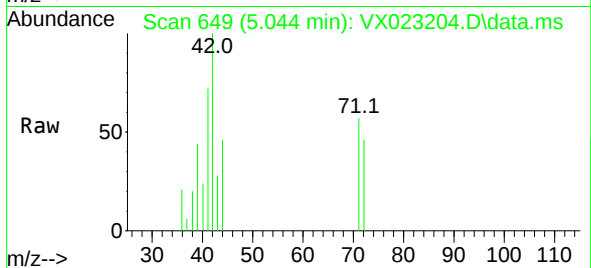
72 22.9 41.7 62.5#

71 0.0 38.4 57.6#

Instrument :

MSVOA_X

ClientSampled :



#31

Cyclohexane

Concen: 1.440 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX023204.D

Acq: 08 Jul 2021 17:03

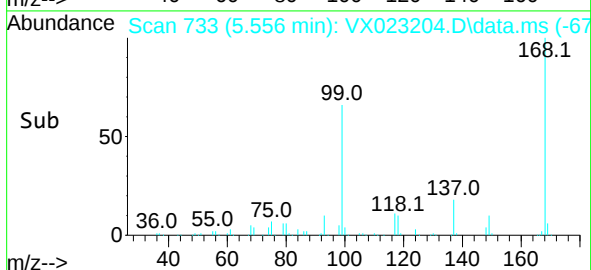
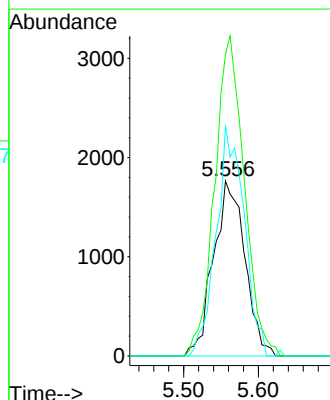
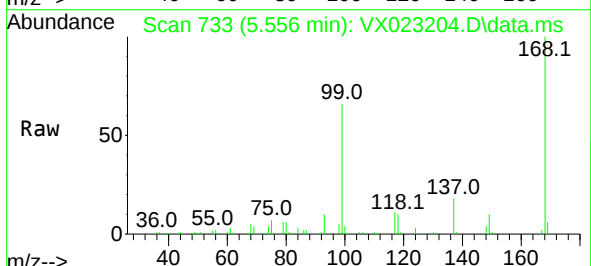
Tgt Ion: 56 Resp: 5154

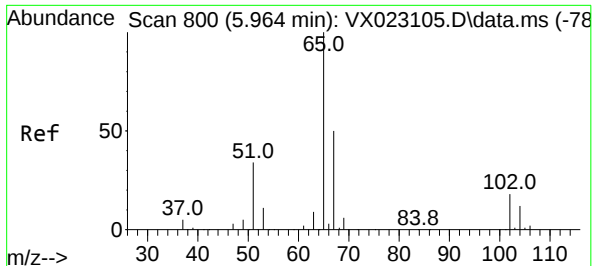
Ion Ratio Lower Upper

56 100

69 172.4 25.3 37.9#

84 131.8 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 50.761 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

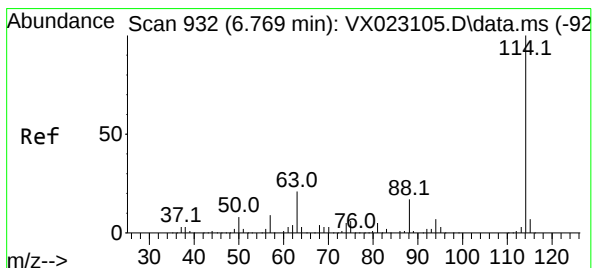
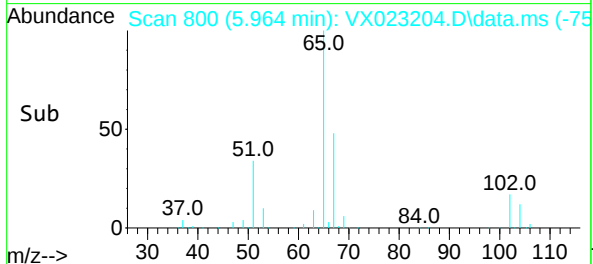
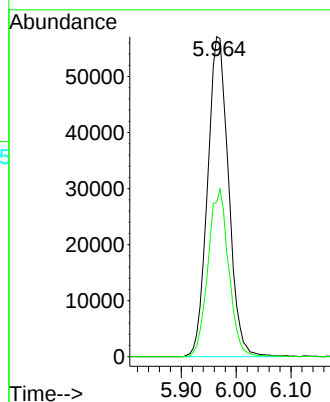
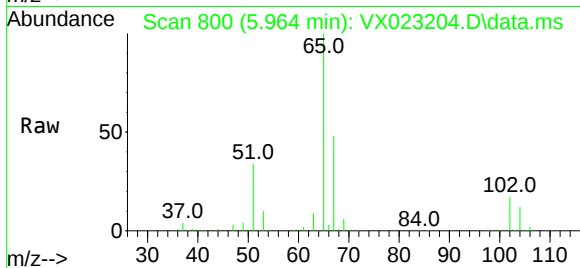
Lab File: VX023204.D

Acq: 08 Jul 2021 17:03

Tgt Ion: 65 Resp: 151688

Ion Ratio Lower Upper

65	100		
67	51.5	0.0	105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

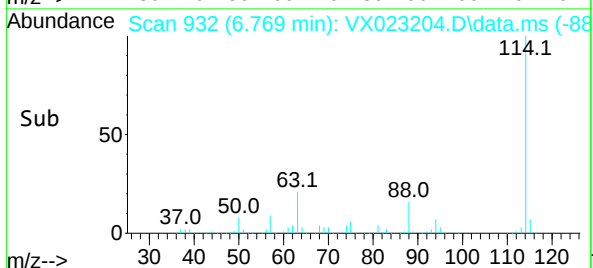
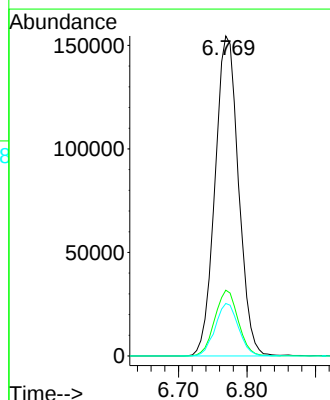
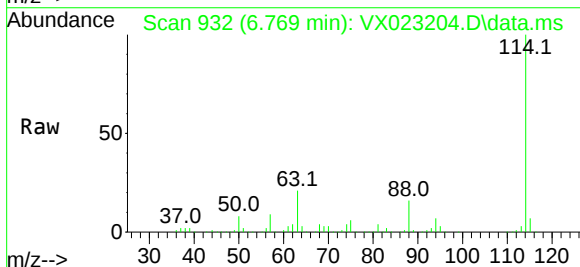
Lab File: VX023204.D

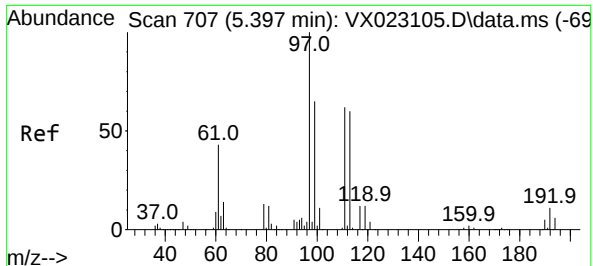
Acq: 08 Jul 2021 17:03

Tgt Ion: 114 Resp: 367235

Ion Ratio Lower Upper

114	100		
63	20.5	0.0	40.8
88	16.4	0.0	32.8

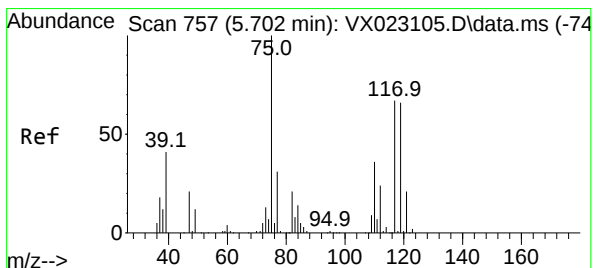
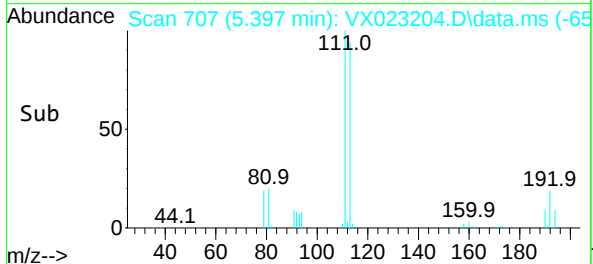
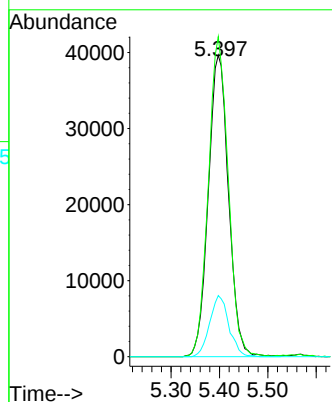
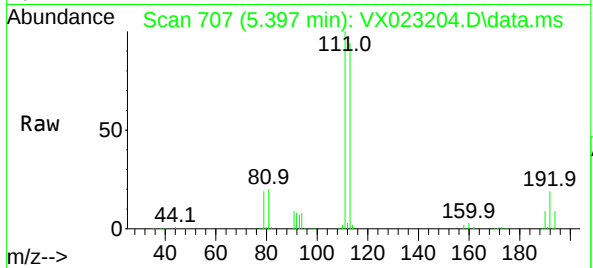




#35
Dibromofluoromethane
Concen: 48.449 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

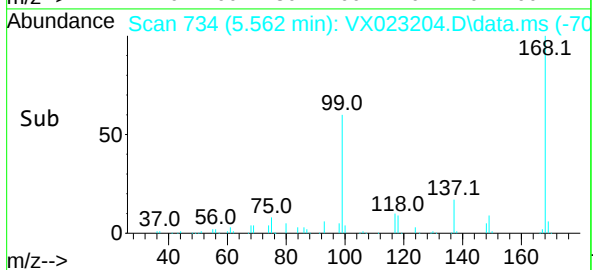
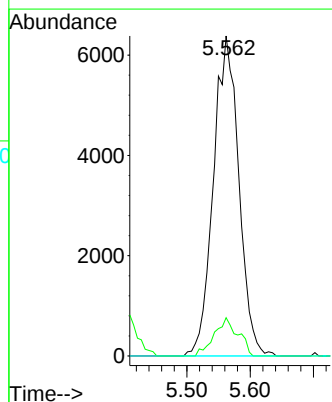
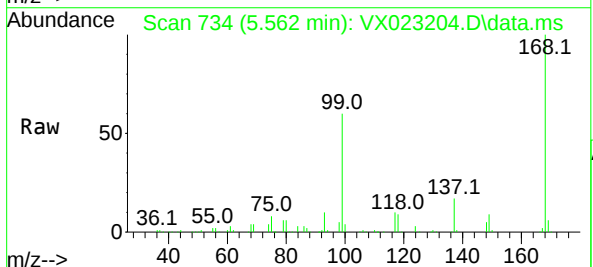
Instrument :
MSVOA_X
ClientSampled :

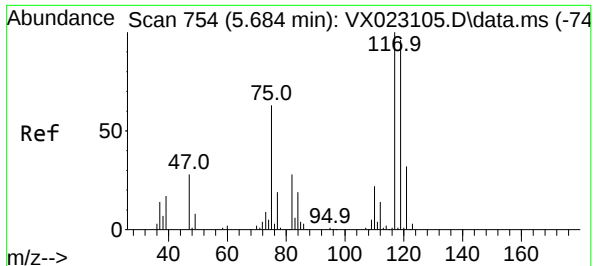
Tgt Ion:113 Resp: 114894
Ion Ratio Lower Upper
113 100
111 104.4 81.9 122.9
192 19.3 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.439 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

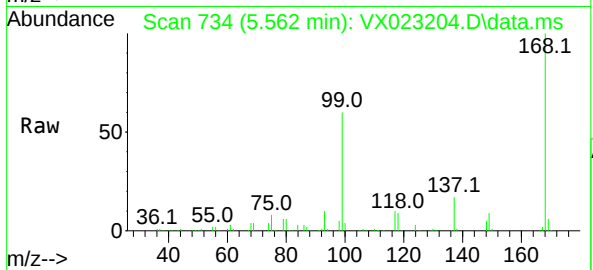
Tgt Ion: 75 Resp: 17805
Ion Ratio Lower Upper
75 100
110 11.2 18.1 54.4#
77 0.0 25.3 37.9#



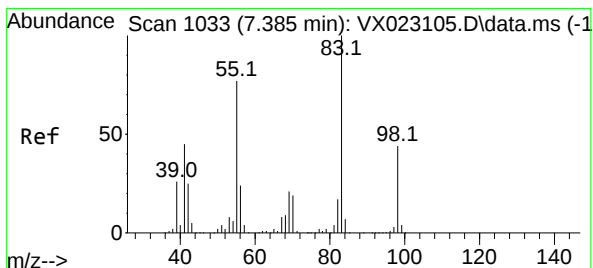
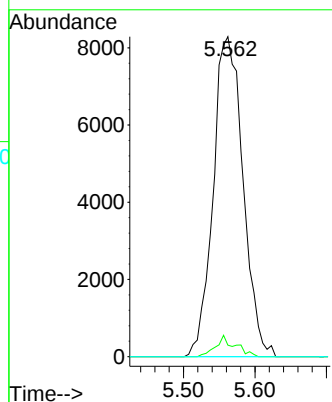
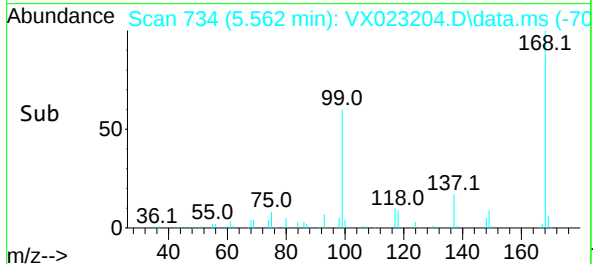


#38
Carbon Tetrachloride
Concen: 7.013 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

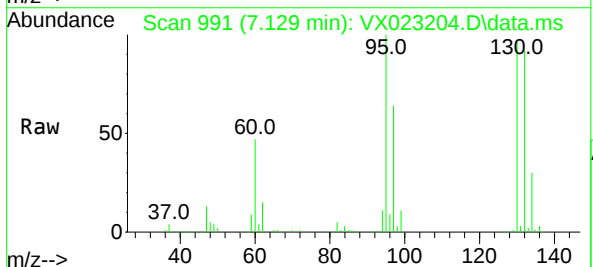
Instrument :
MSVOA_X
ClientSampled :



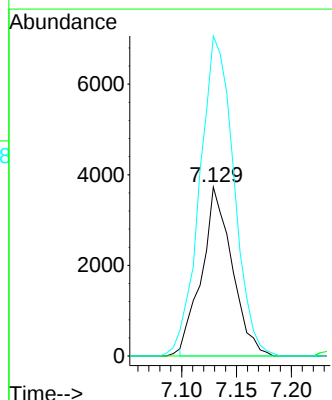
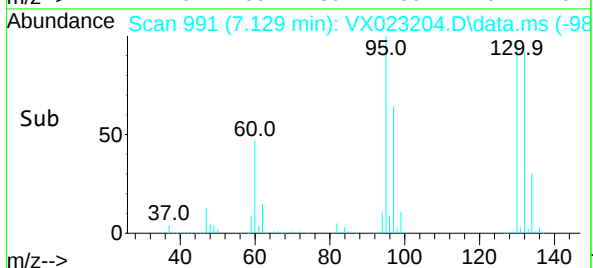
Tgt Ion:117 Resp: 23966
Ion Ratio Lower Upper
117 100
119 3.6 76.2 114.2#
121 0.0 24.8 37.2#

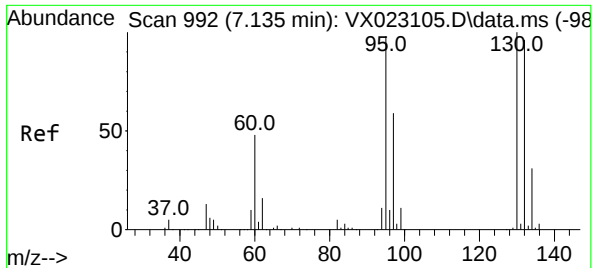


#39
Methylcyclohexane
Concen: 1.868 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03



Tgt Ion: 83 Resp: 7153
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 192.8 38.1 57.1#

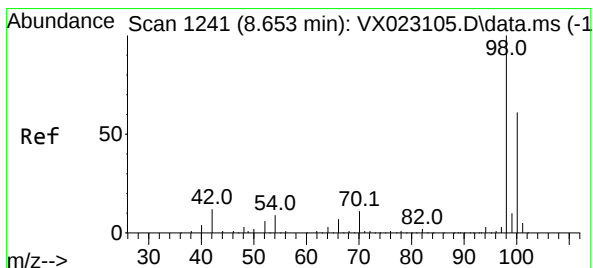
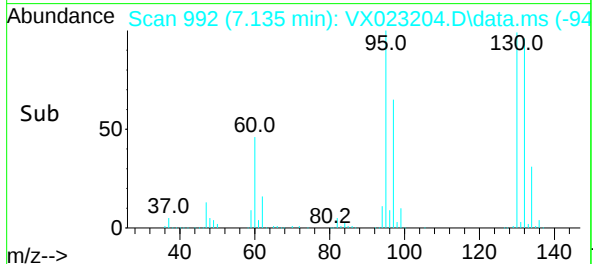
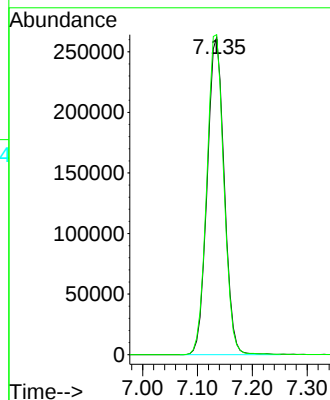
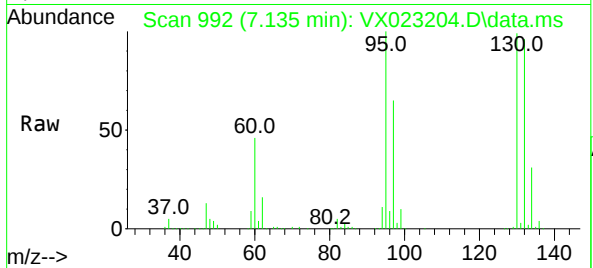




#44
Trichloroethene
Concen: 209.272 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

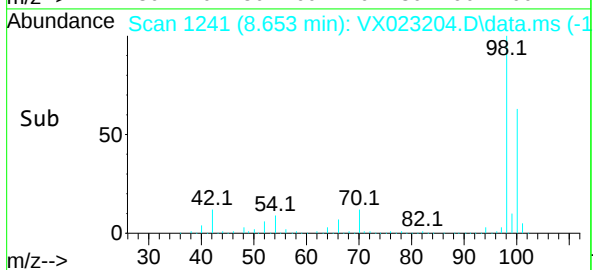
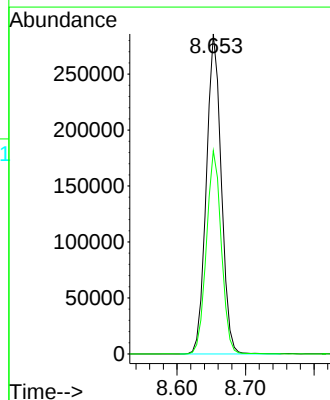
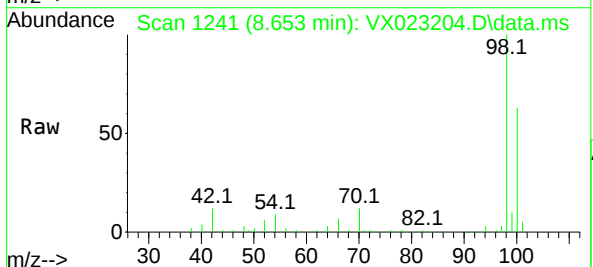
Instrument :
MSVOA_X
ClientSampled :

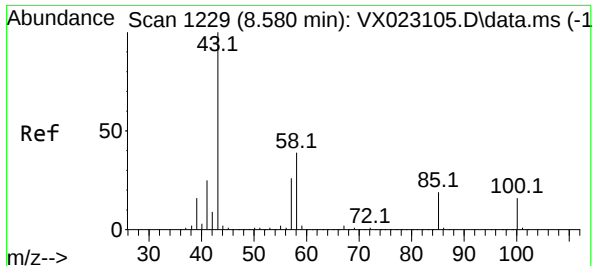
Tgt Ion:130 Resp: 564275
Ion Ratio Lower Upper
130 100
95 100.8 0.0 198.0



#50
Toluene-d8
Concen: 49.091 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

Tgt Ion: 98 Resp: 434263
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9

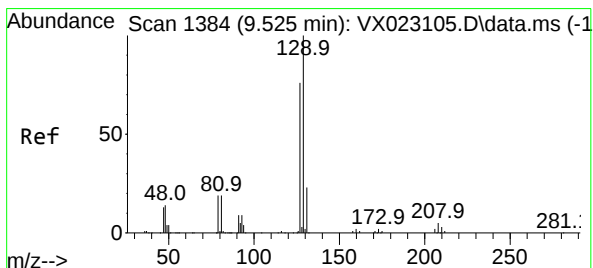
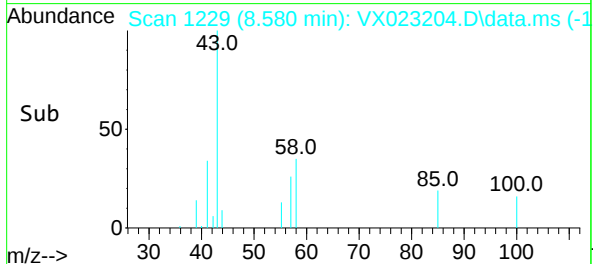
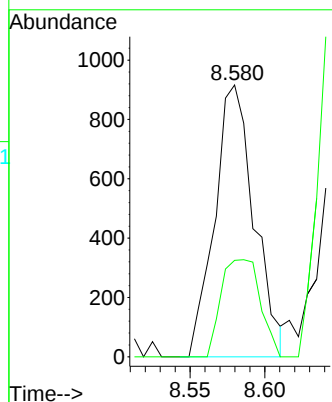
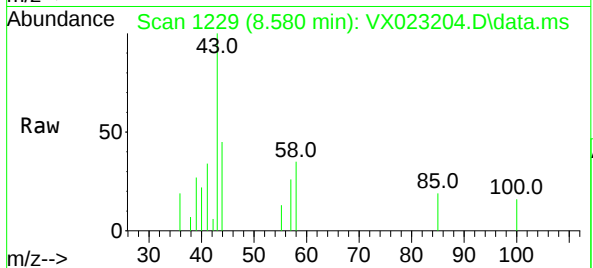




#51
4-Methyl-2-Pentanone
Concen: 0.457 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

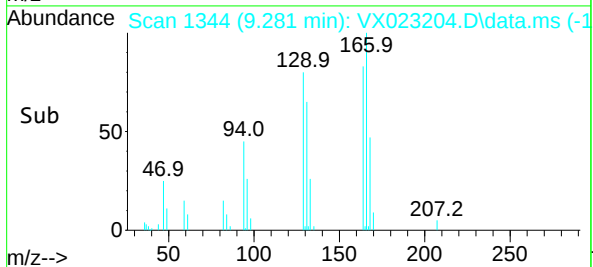
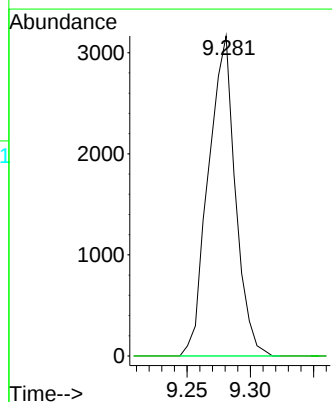
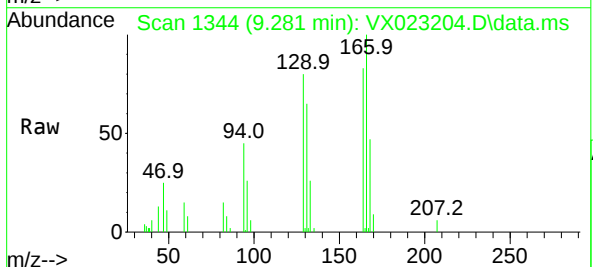
Instrument :
MSVOA_X
ClientSampled :

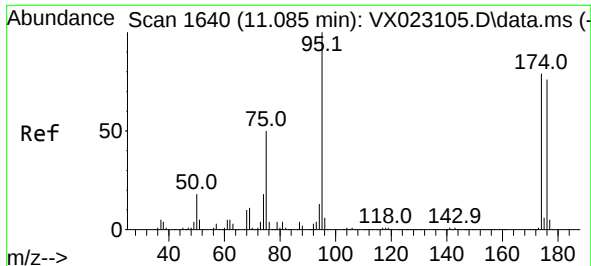
Tgt Ion: 43 Resp: 1683
Ion Ratio Lower Upper
43 100
58 35.4 35.4 53.0#



#60
Dibromochloromethane
Concen: 4.641 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

Tgt Ion: 129 Resp: 4701
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

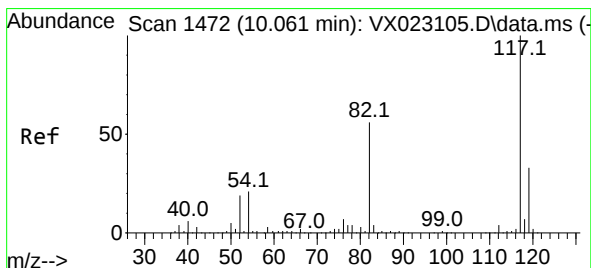
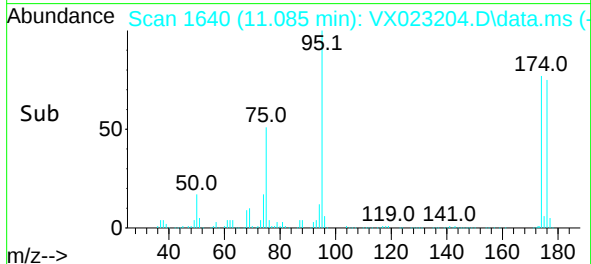
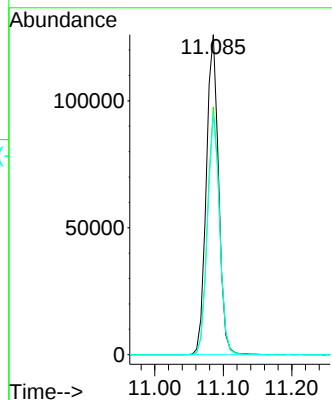
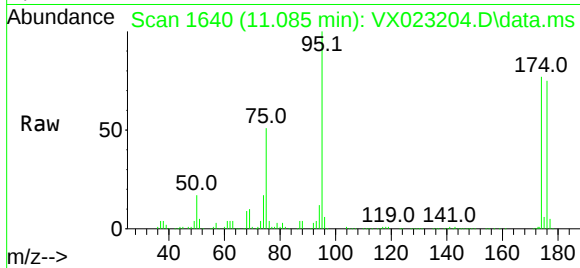




#62
4-Bromofluorobenzene
Concen: 46.040 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

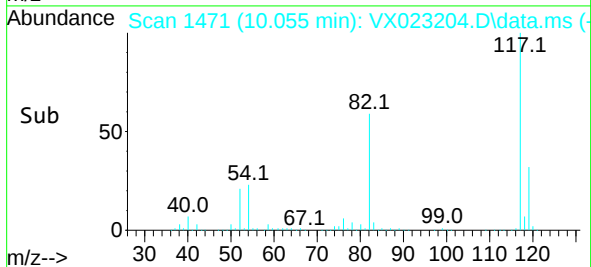
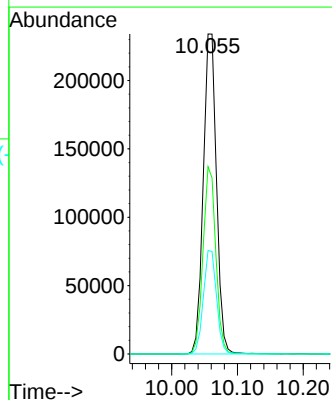
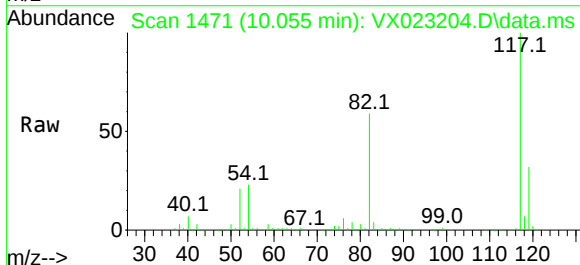
Instrument :
MSVOA_X
ClientSampled :

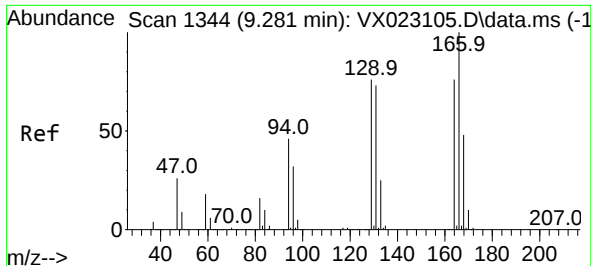
Tgt Ion: 95 Resp: 157230
Ion Ratio Lower Upper
95 100
174 76.1 0.0 154.6
176 73.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

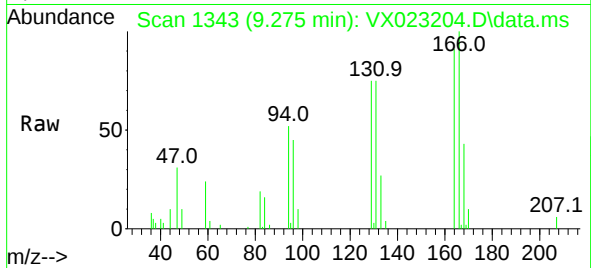
Tgt Ion: 117 Resp: 326839
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 32.3 26.6 39.8





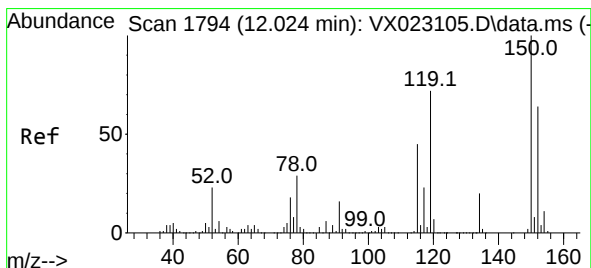
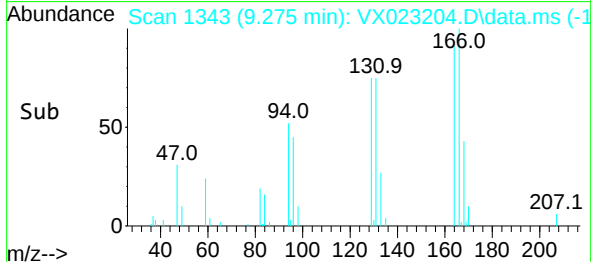
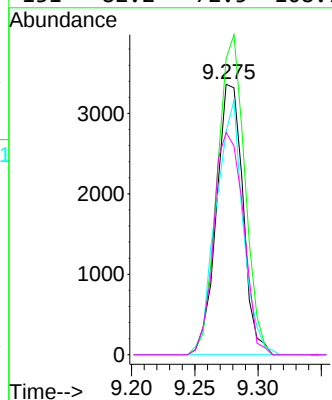
#64
Tetrachloroethene
Concen: 1.876 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.006 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion:164 Resp: 4891

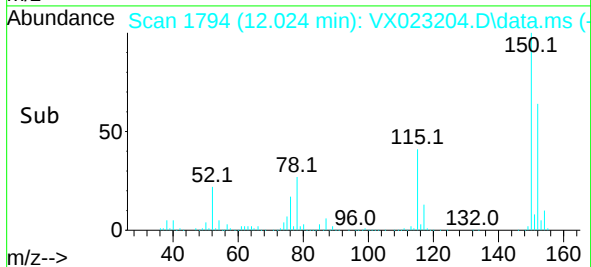
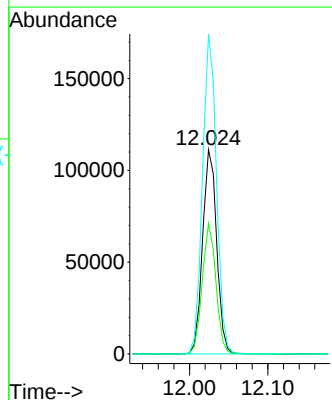
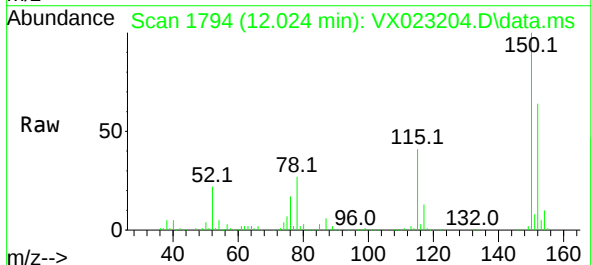
Ion	Ratio	Lower	Upper
164	100		
166	109.5	103.4	155.2
129	82.4	70.8	106.2
131	82.2	72.5	108.7

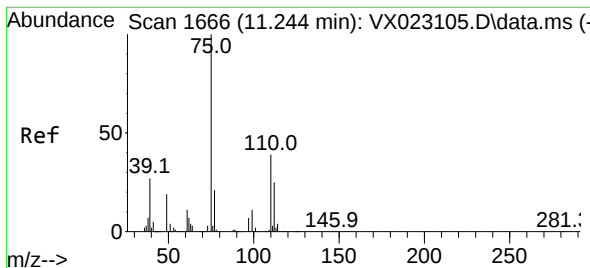


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

Tgt Ion:152 Resp: 138797

Ion	Ratio	Lower	Upper
152	100		
115	62.1	41.1	123.3
150	155.5	0.0	349.0

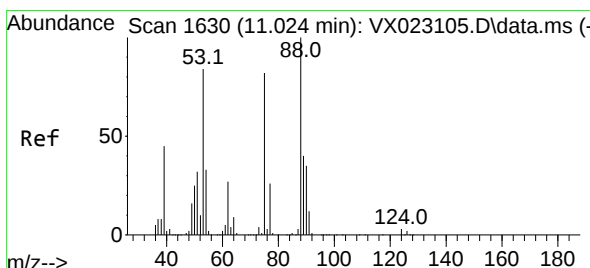
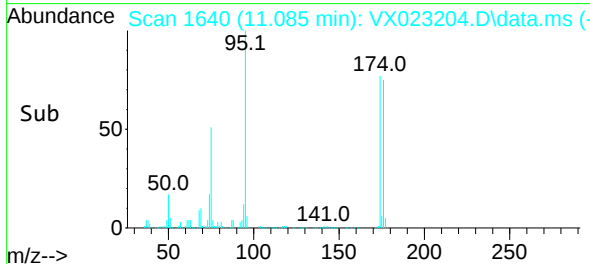
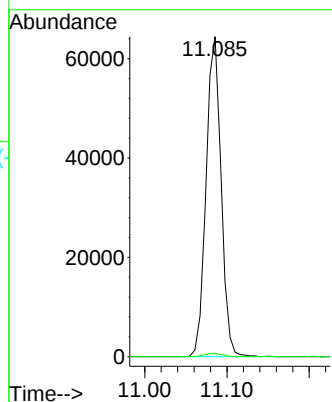
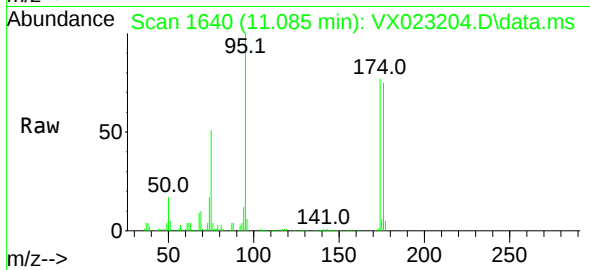




#76
1,2,3-Trichloropropane
Concen: 29.198 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

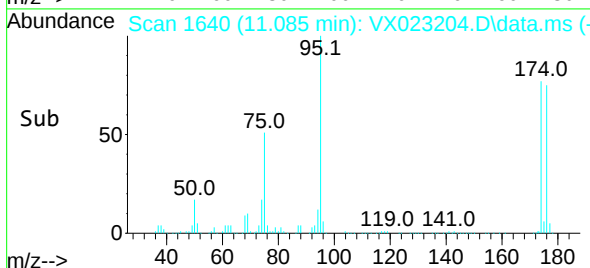
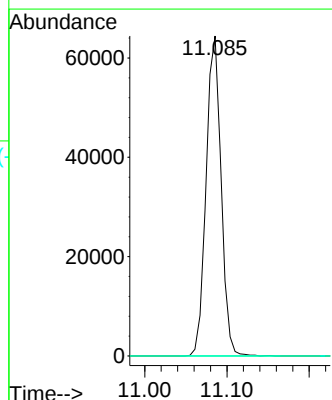
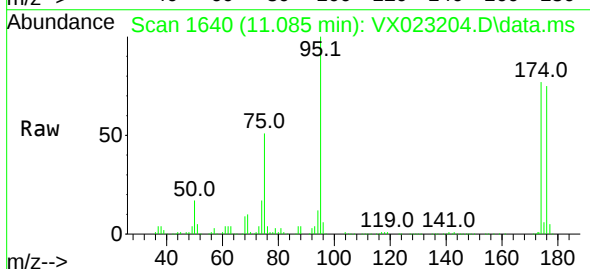
Instrument :
MSVOA_X
ClientSampled :

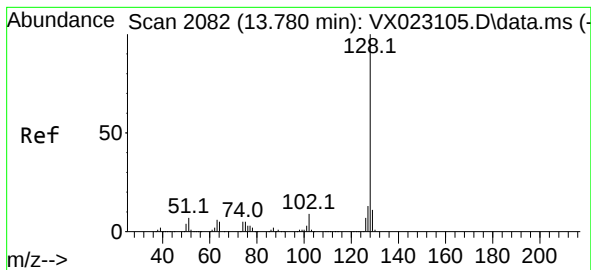
Tgt Ion: 75 Resp: 81553
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.526 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

Tgt Ion: 75 Resp: 81553
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.294 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023204.D
Acq: 08 Jul 2021 17:03

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

