

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080921\
 Data File : VX023610.D
 Acq On : 09 Aug 2021 13:40
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Aug 10 04:03:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

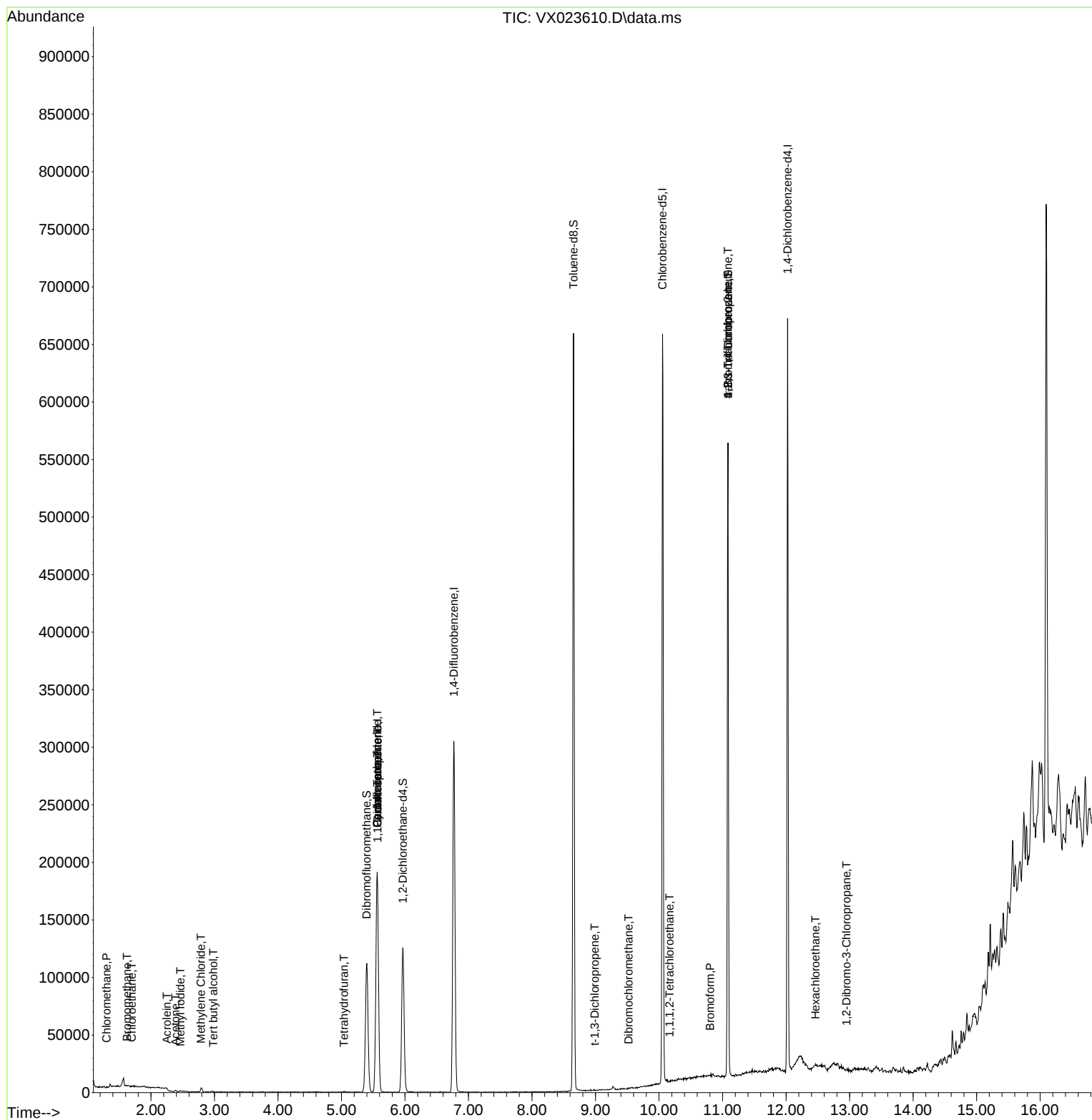
Internal Standards						
1) Pentafluorobenzene	5.562	168	183719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	305665	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	286499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129958	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	122663	53.52	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.04%			
35) Dibromofluoromethane	5.397	113	95468	49.95	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.90%			
50) Toluene-d8	8.653	98	374639	53.36	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.72%			
62) 4-Bromofluorobenzene	11.085	95	137752	57.69	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.38%			
Target Compounds					Qvalue	
3) Chloromethane	1.300	50	577	0.29	ug/l #	72
5) Bromomethane	1.624	94	995	0.84	ug/l #	66
6) Chloroethane	1.697	64	415	0.34	ug/l #	43
10) Methyl Iodide	2.465	142	1210	0.53	ug/l #	94
11) Tert butyl alcohol	2.983	59	227	0.43	ug/l #	72
13) Acrolein	2.252	56	153	1.94	ug/l #	8
16) Acetone	2.386	43	1179	1.05	ug/l #	67
20) Methylene Chloride	2.788	84	1645	0.75	ug/l #	88
29) Tetrahydrofuran	5.038	42	365	0.32	ug/l #	54
31) Cyclohexane	5.562	56	4083	1.20	ug/l #	19
36) 1,1-Dichloropropene	5.568	75	14347	5.19	ug/l #	50
38) Carbon Tetrachloride	5.562	117	18622	6.62	ug/l #	15
53) t-1,3-Dichloropropene	8.988	75	82	1.84	ug/l #	44
60) Dibromochloromethane	9.518	129	105	2.03	ug/l #	44
66) 1,1,1,2-Tetrachloroethane	10.165	131	44	0.99	ug/l #	1
71) Bromoform	10.805	173	40	3.54	ug/l #	29
76) 1,2,3-Trichloropropane	11.085	75	72973	25.52	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.085	75	72973	68.61	ug/l #	12
90) Hexachloroethane	12.463	117	244	2.06	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.951	75	26	2.15	ug/l #	1

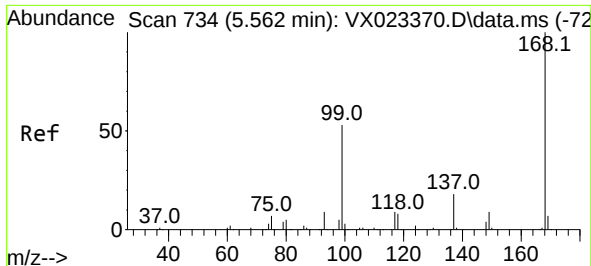
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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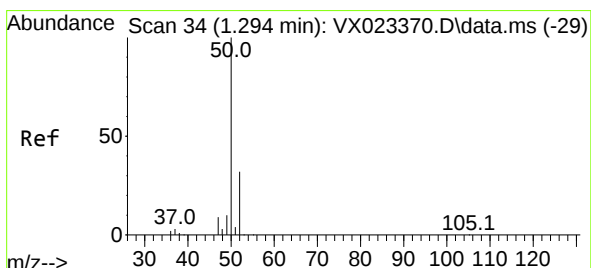
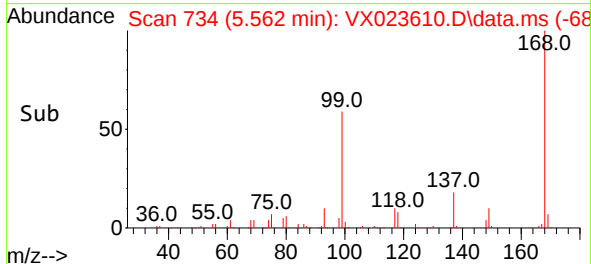
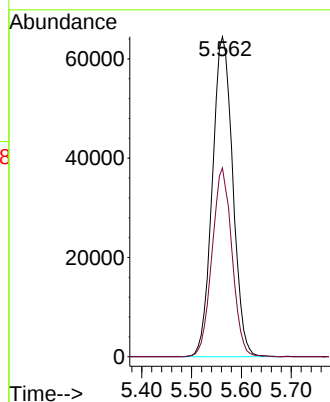
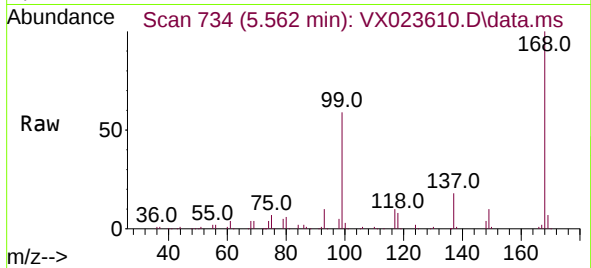




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

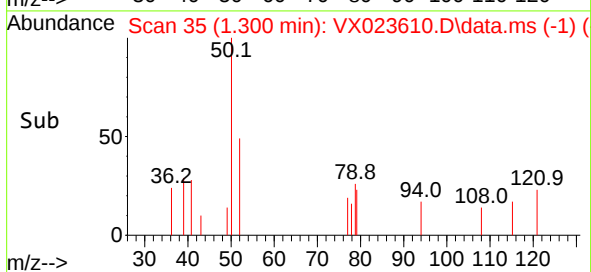
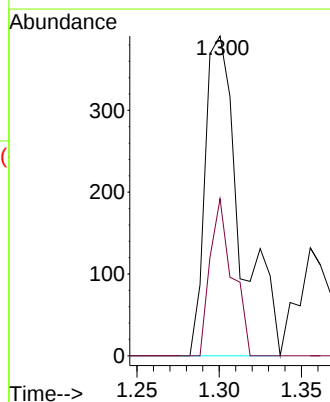
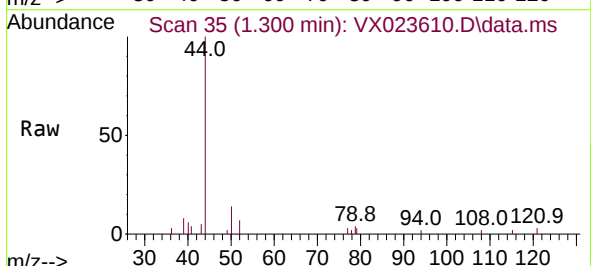
Instrument :
MSVOA_X
ClientSampleId :
IBLK

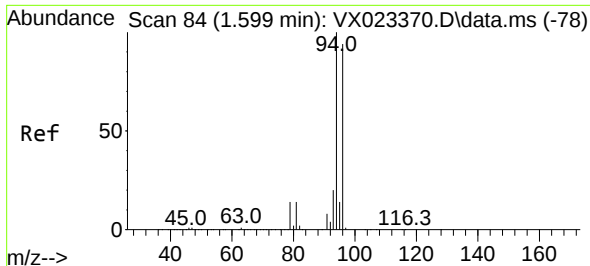
Tgt Ion:168 Resp: 183719
Ion Ratio Lower Upper
168 100
99 59.0 45.8 68.6



#3
Chloromethane
Concen: 0.29 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

Tgt Ion: 50 Resp: 577
Ion Ratio Lower Upper
50 100
52 49.1 26.4 39.6#

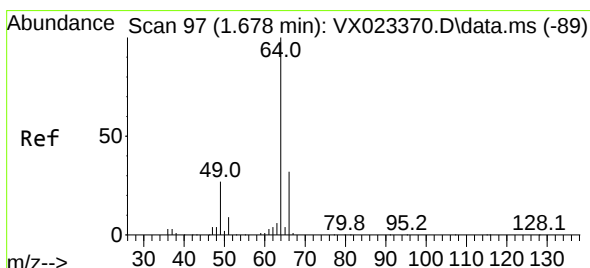
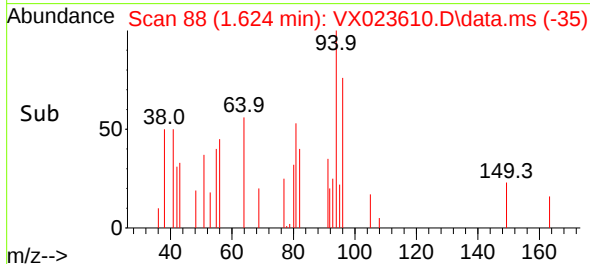
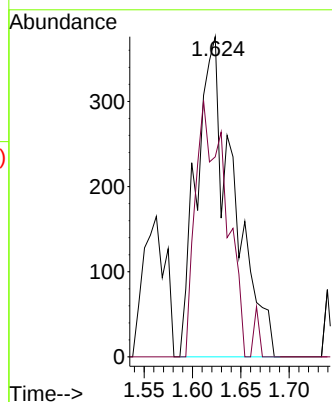
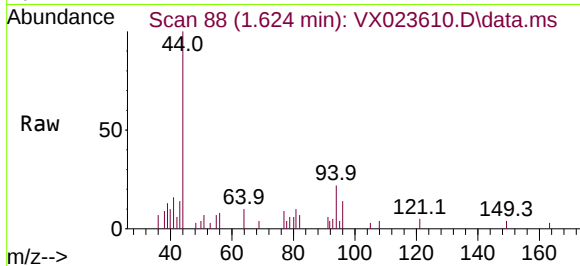




#5
Bromomethane
Concen: 0.84 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

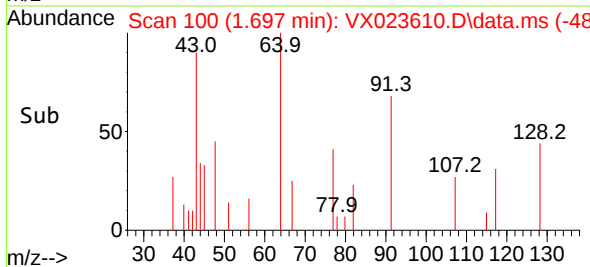
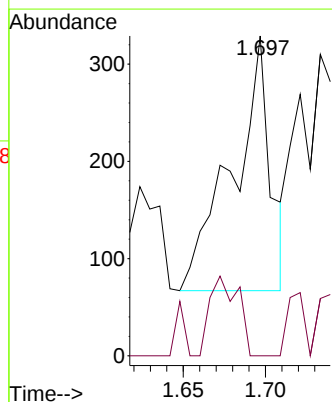
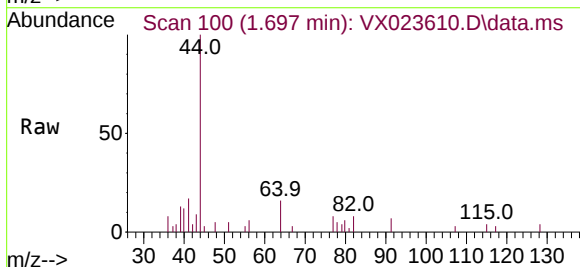
Instrument :
MSVOA_X
ClientSampleId :
IBLK

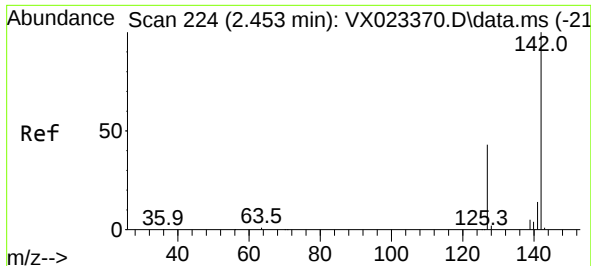
Tgt Ion: 94 Resp: 995
Ion Ratio Lower Upper
94 100
96 62.5 76.4 114.6#



#6
Chloroethane
Concen: 0.34 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.019 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

Tgt Ion: 64 Resp: 415
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#





#10

Methyl Iodide

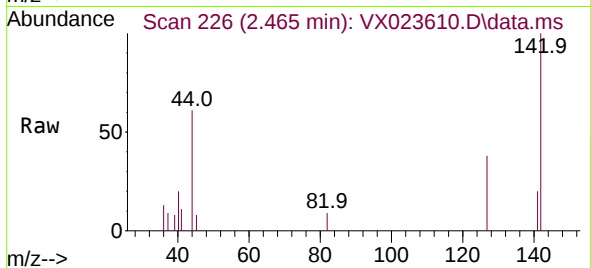
Concen: 0.53 ug/l

RT: 2.465 min Scan# 226

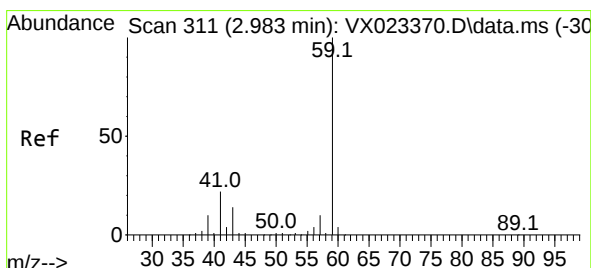
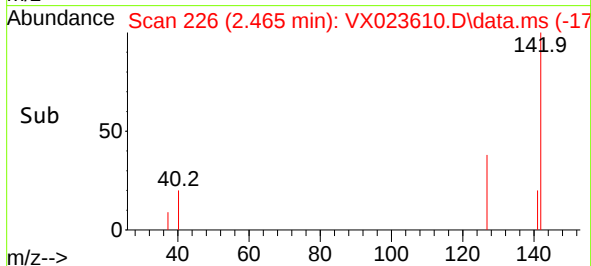
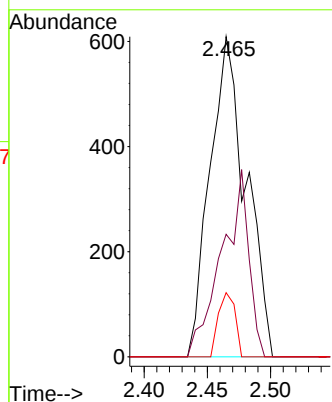
Delta R.T. 0.012 min

Lab File: VX023610.D

Acq: 09 Aug 2021 13:40



Tgt Ion:	142	Resp:	1210
Ion	Ratio	Lower	Upper
142	100		
127	43.7	33.3	49.9
141	9.3	11.4	17.0#



#11

Tert butyl alcohol

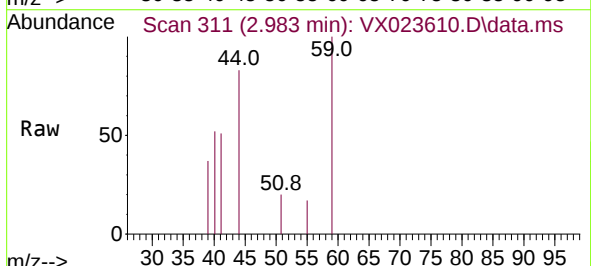
Concen: 0.43 ug/l

RT: 2.983 min Scan# 311

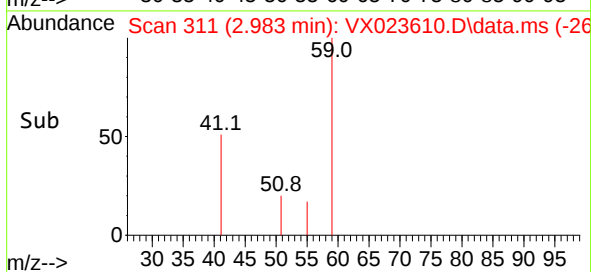
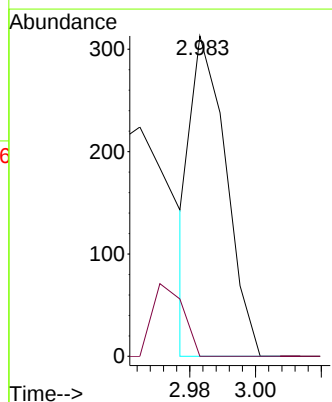
Delta R.T. 0.000 min

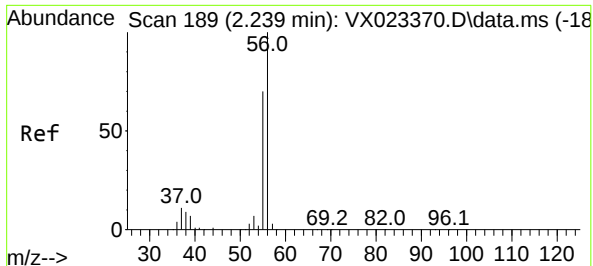
Lab File: VX023610.D

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Tgt Ion:	59	Resp:	227
Ion	Ratio	Lower	Upper
59	100		
57	20.3	7.8	11.8#

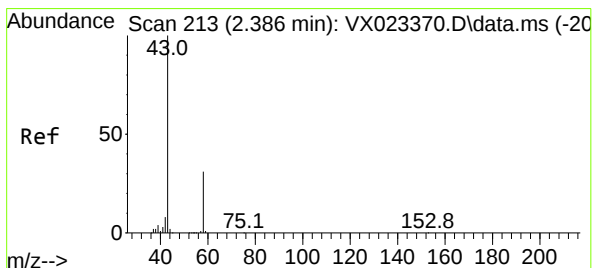
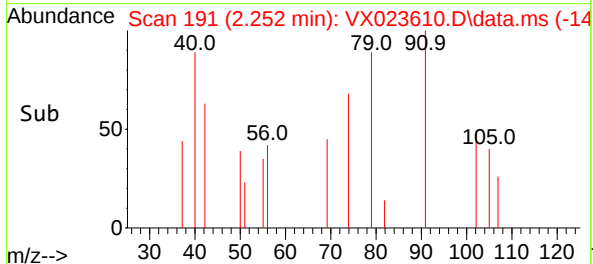
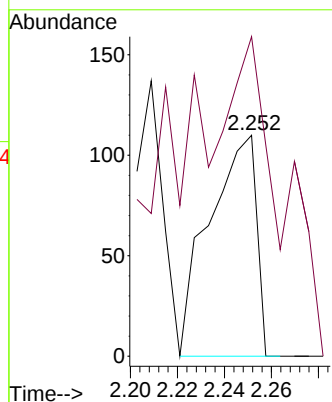
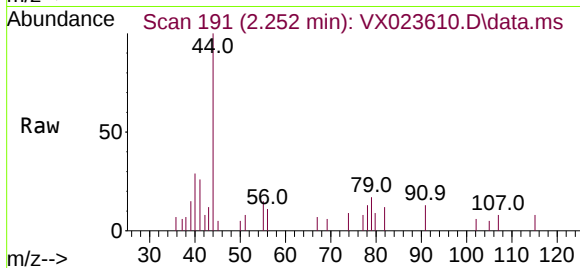




#13
Acrolein
Concen: 1.94 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.013 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

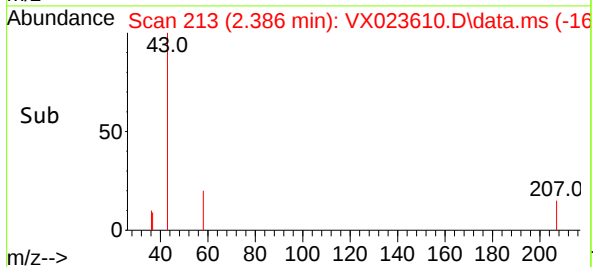
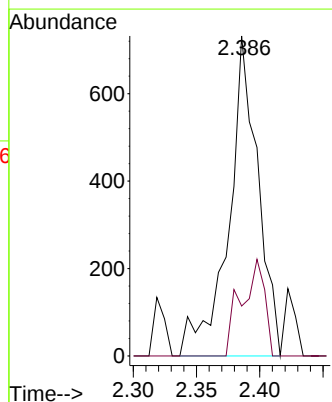
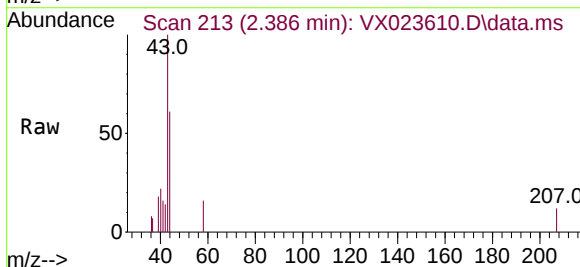
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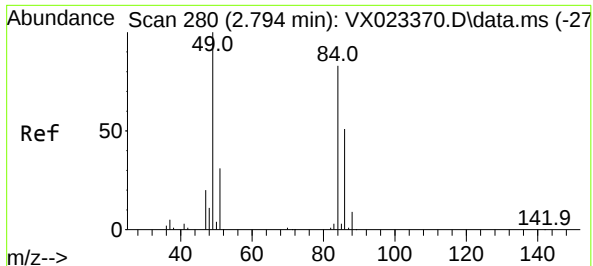
Tgt Ion: 56 Resp: 153
Ion Ratio Lower Upper
56 100
55 146.4 56.4 84.6#



#16
Acetone
Concen: 1.05 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

Tgt Ion: 43 Resp: 1179
Ion Ratio Lower Upper
43 100
58 15.6 27.8 41.8#

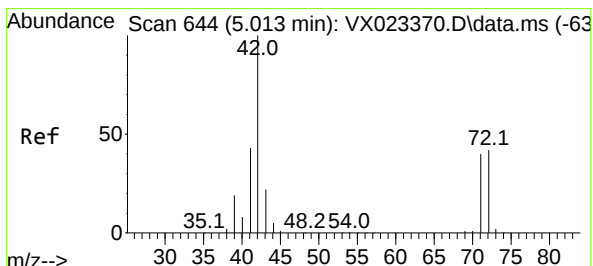
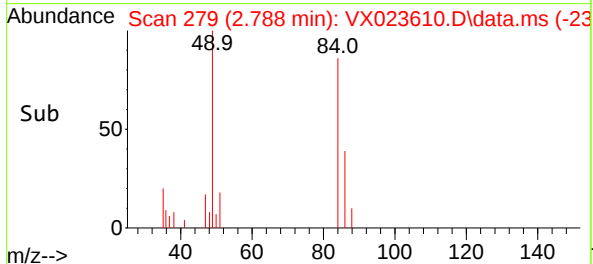
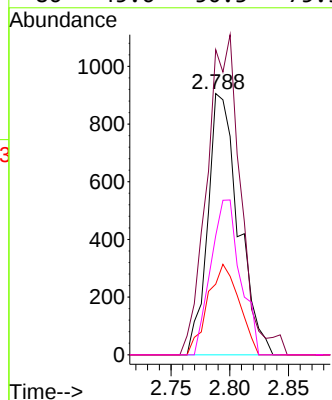
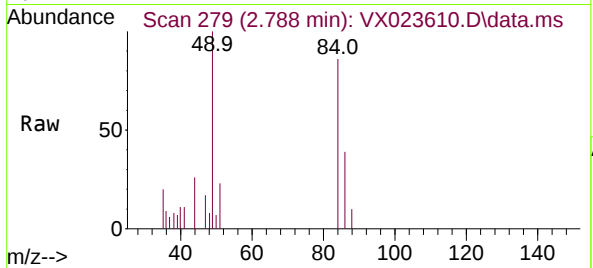




#20
Methylene Chloride
Concen: 0.75 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

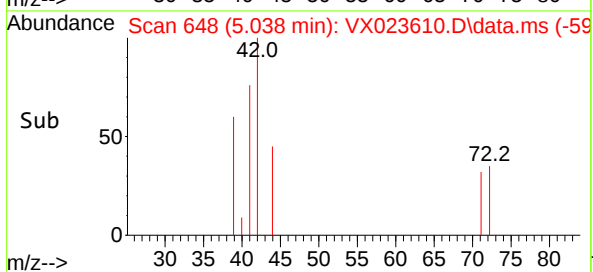
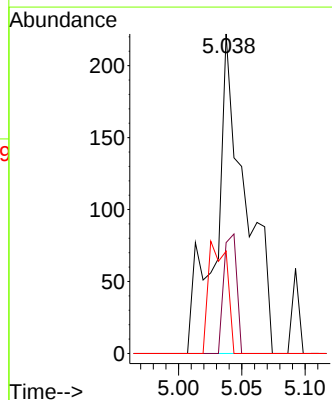
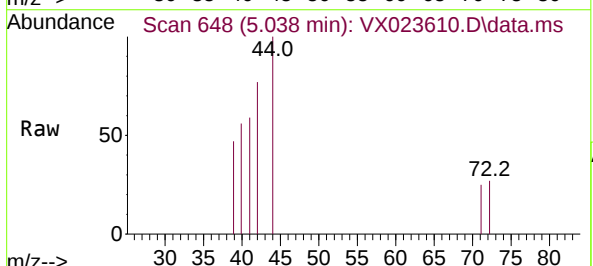
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MSVOA_X
ClientSampleId :
IBLK

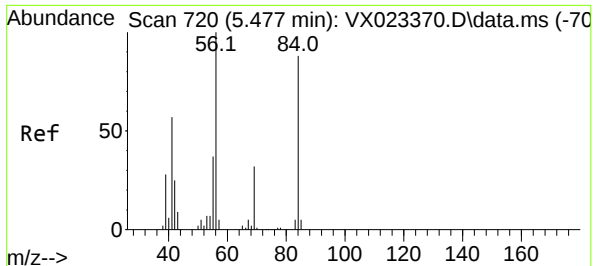
Tgt Ion:	84	Resp:	1645
Ion	Ratio	Lower	Upper
84	100		
49	116.8	88.6	132.8
51	27.0	27.0	40.6
86	45.6	50.3	75.5#



#29
Tetrahydrofuran
Concen: 0.32 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.025 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

Tgt Ion:	42	Resp:	365
Ion	Ratio	Lower	Upper
42	100		
72	16.2	41.7	62.5#
71	21.4	38.4	57.6#

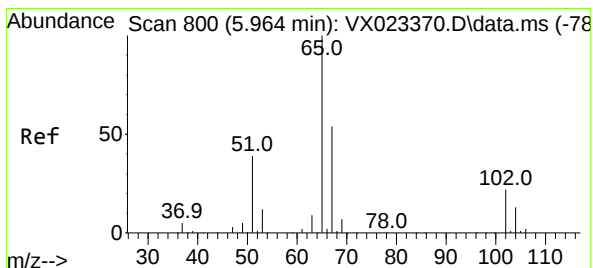
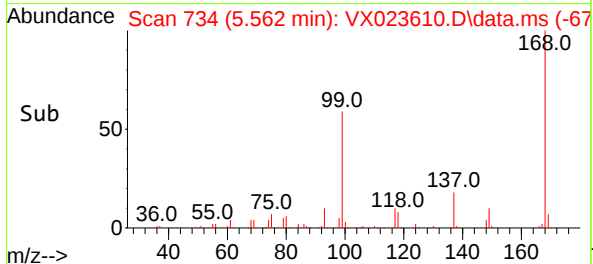
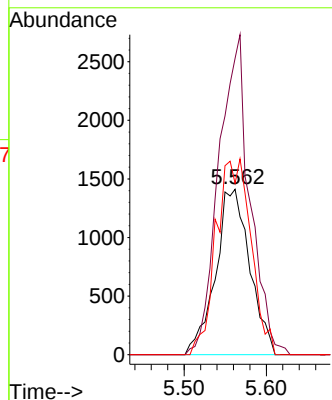
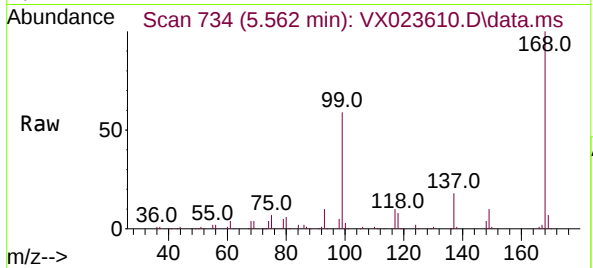




#31
Cyclohexane
Concen: 1.20 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

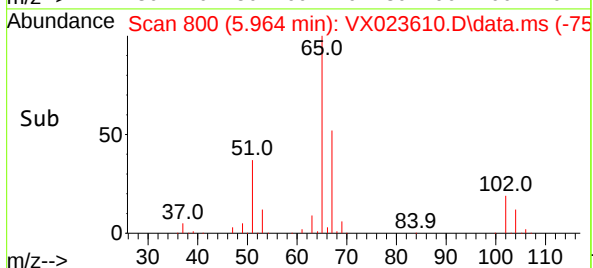
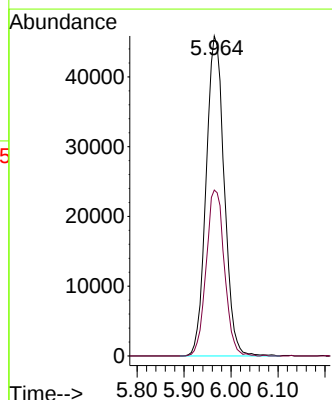
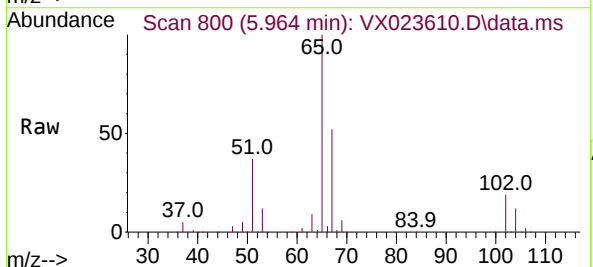
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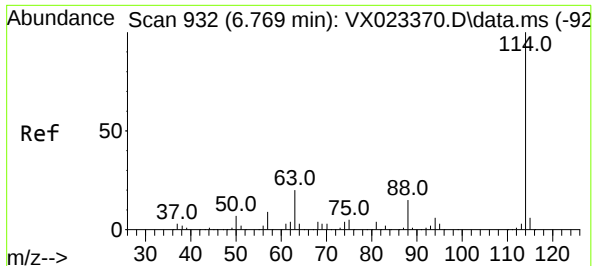
Tgt Ion: 56 Resp: 4083
Ion Ratio Lower Upper
56 100
69 179.1 25.3 37.9#
84 103.6 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 53.52 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

Tgt Ion: 65 Resp: 122663
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.4

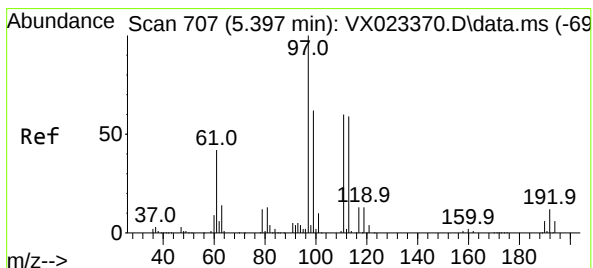
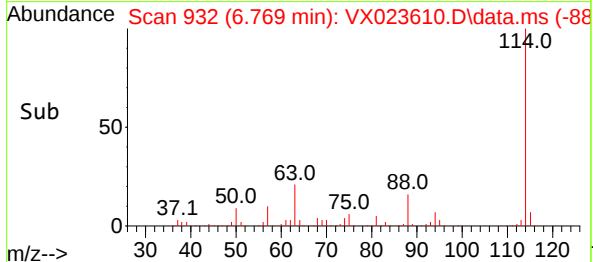
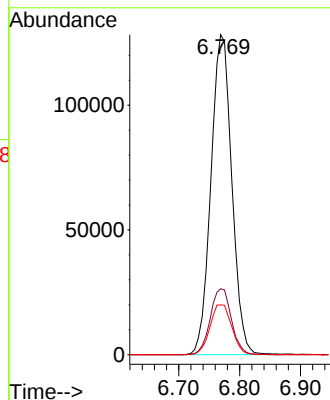
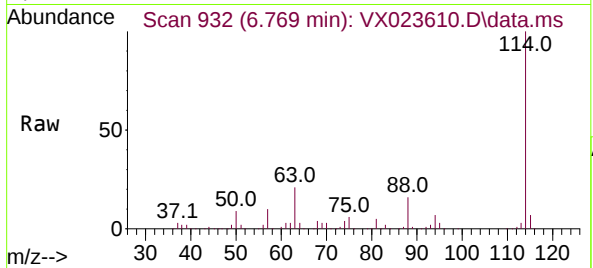




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

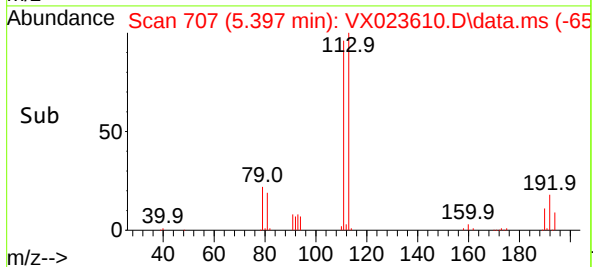
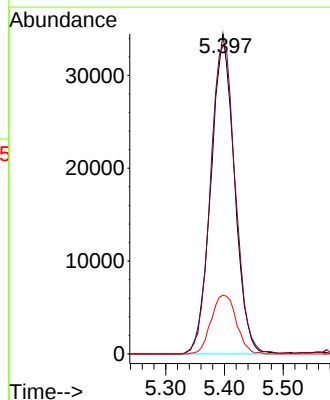
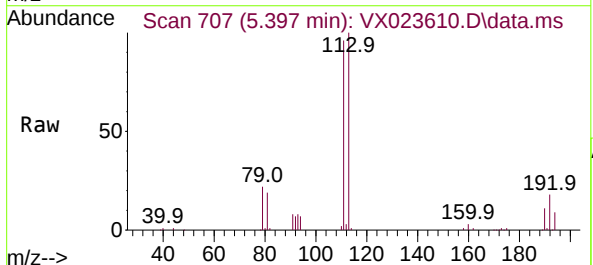
Instrument :
MSVOA_X
ClientSampleId :
IBLK

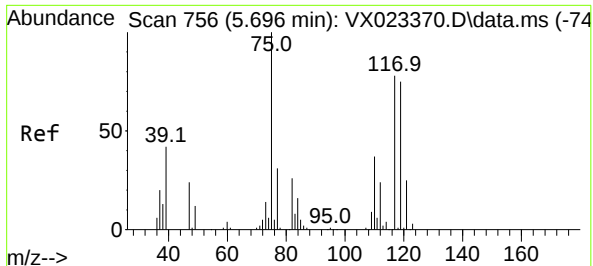
Tgt Ion:114 Resp: 305665
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 15.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.95 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

Tgt Ion:113 Resp: 95468
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 19.7 16.7 25.1

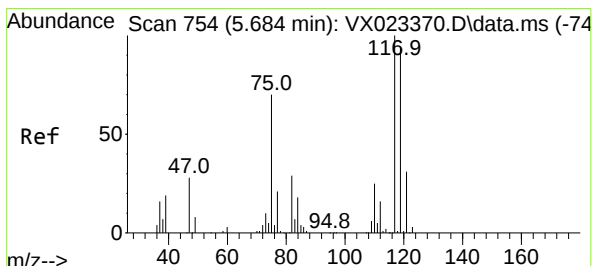
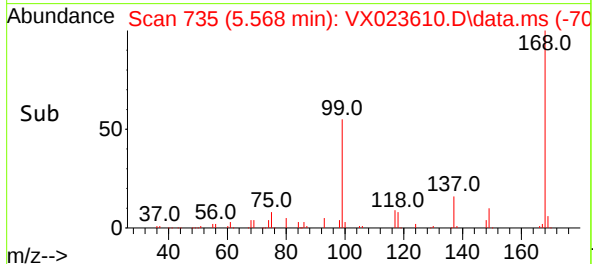
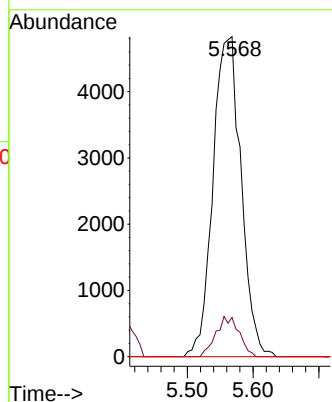
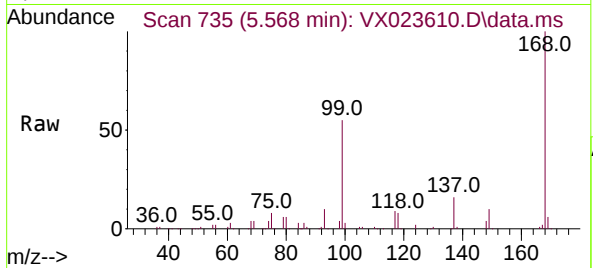




#36
1,1-Dichloropropene
Concen: 5.19 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.128 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

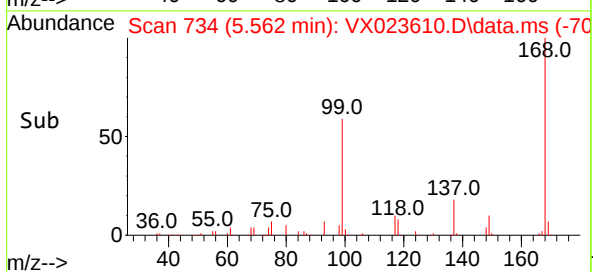
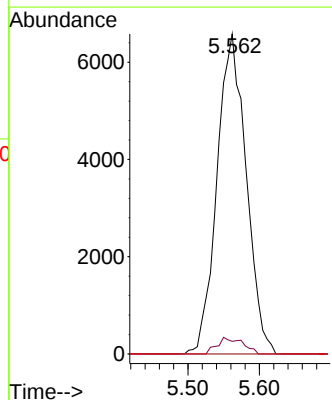
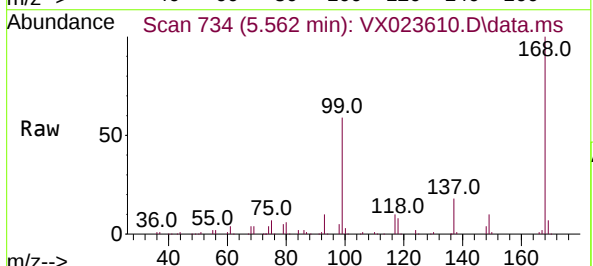
Instrument :
MSVOA_X
ClientSampled :
IBLK

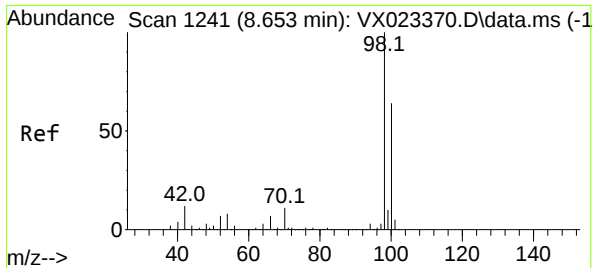
Tgt Ion: 75 Resp: 14347
Ion Ratio Lower Upper
75 100
110 10.4 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.62 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

Tgt Ion: 117 Resp: 18622
Ion Ratio Lower Upper
117 100
119 4.0 76.2 114.2#
121 0.0 24.8 37.2#

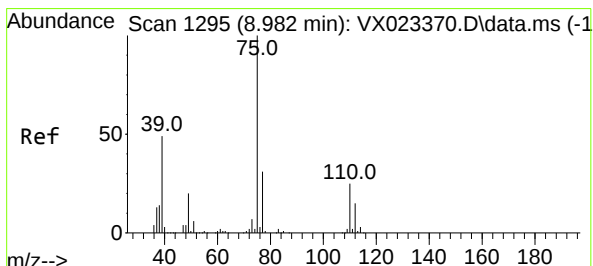
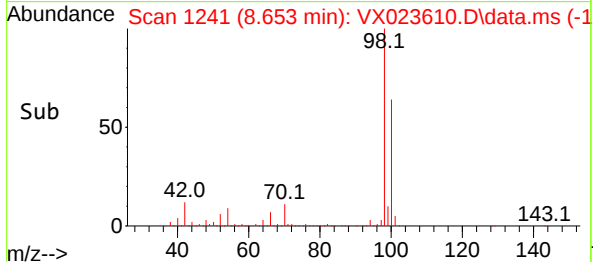
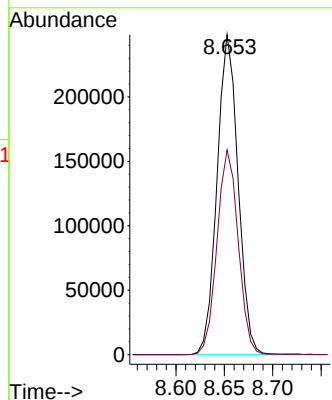
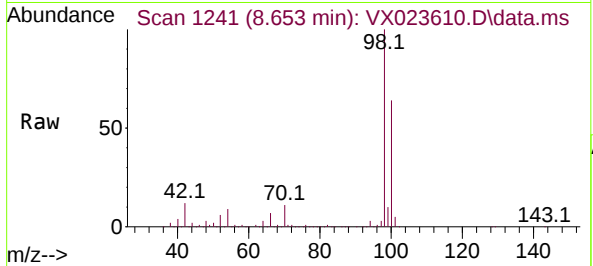




#50
Toluene-d8
Concen: 53.36 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

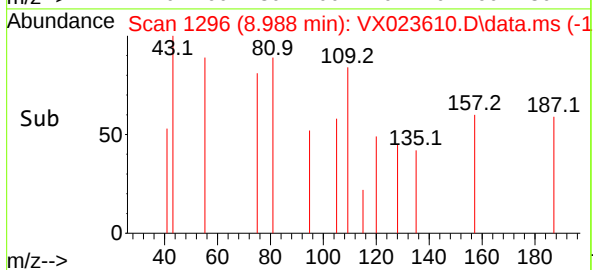
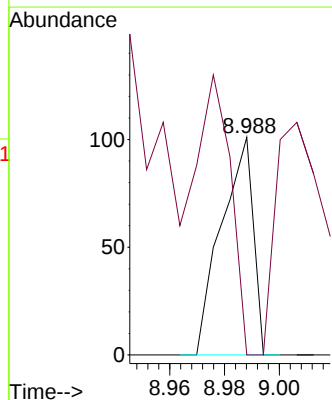
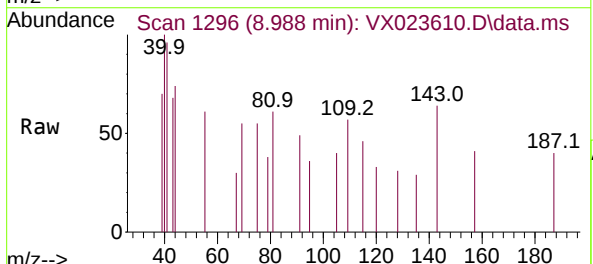
Instrument :
MSVOA_X
ClientSampled :
IBLK

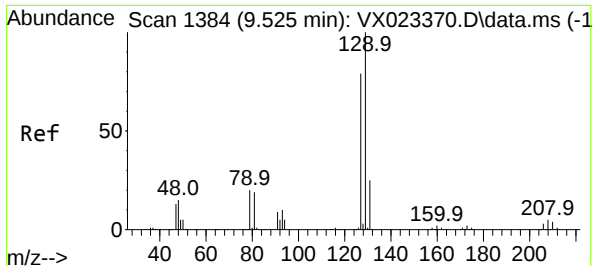
Tgt Ion: 98 Resp: 374639
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#53
t-1,3-Dichloropropene
Concen: 1.84 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

Tgt Ion: 75 Resp: 82
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

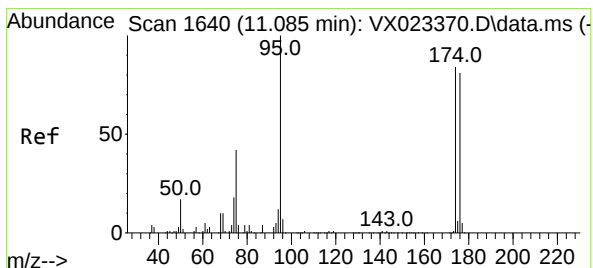
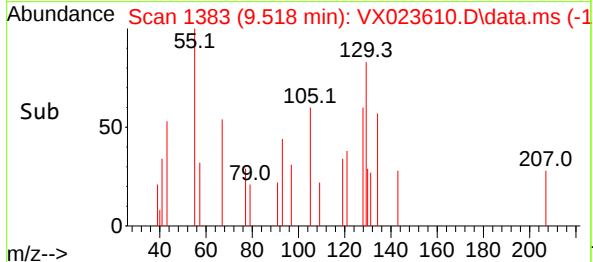
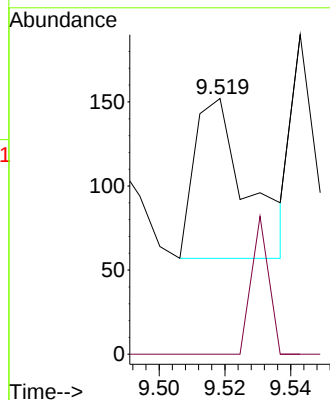
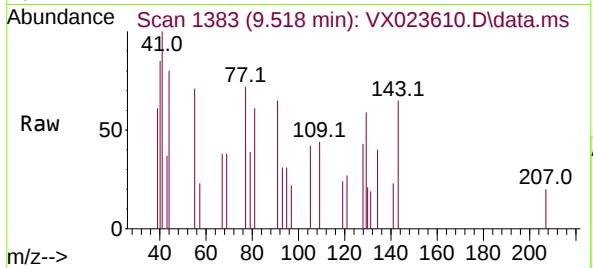




#60
Dibromochloromethane
Concen: 2.03 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.007 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

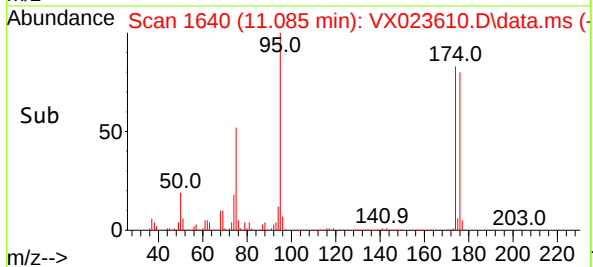
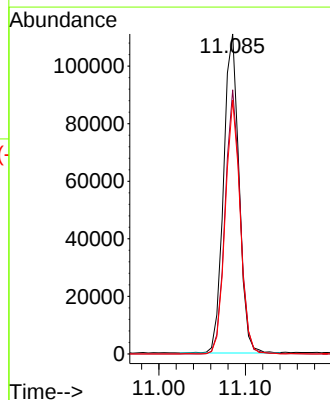
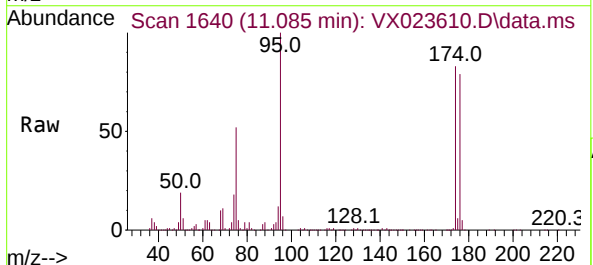
Instrument :
MSVOA_X
ClientSampled :
IBLK

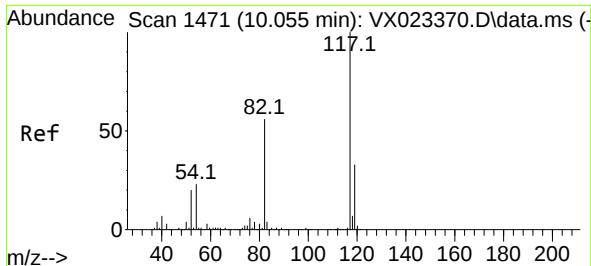
Tgt Ion:129 Resp: 105
Ion Ratio Lower Upper
129 100
127 28.6 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 57.69 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

Tgt Ion: 95 Resp: 137752
Ion Ratio Lower Upper
95 100
174 80.6 0.0 154.6
176 77.0 0.0 155.8

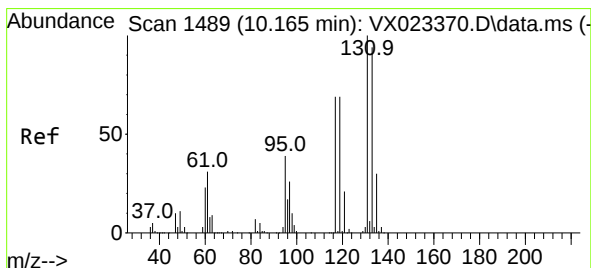
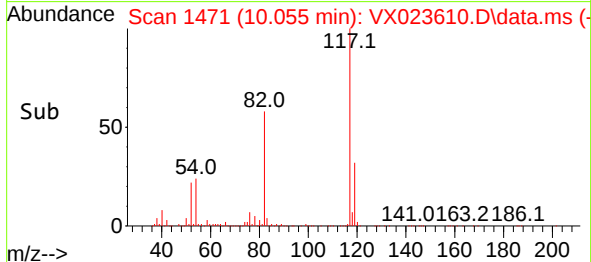
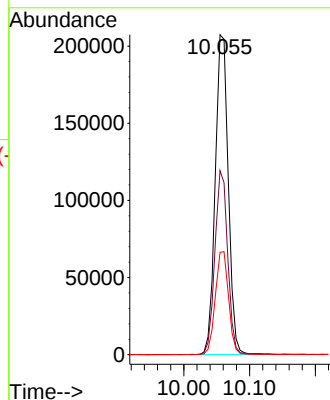
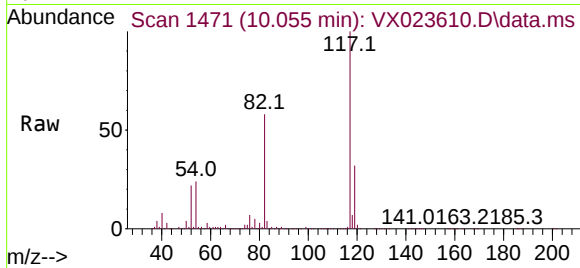




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

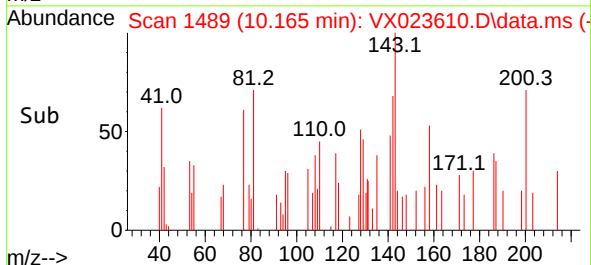
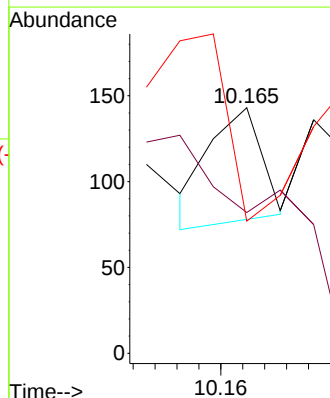
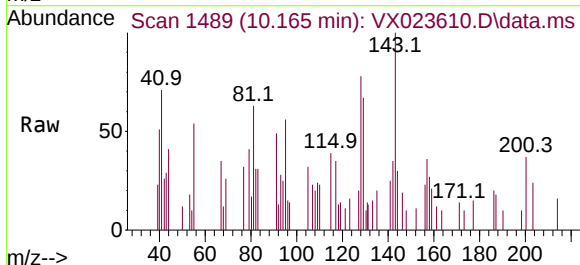
Instrument :
MSVOA_X
ClientSampled :
IBLK

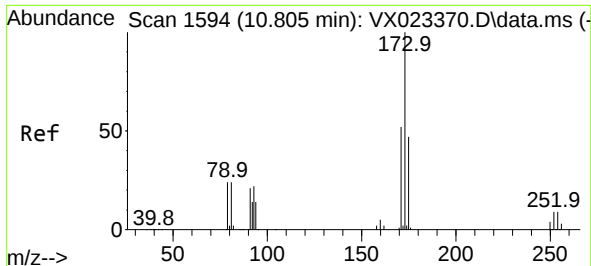
Tgt Ion:117 Resp: 286499
Ion Ratio Lower Upper
117 100
82 57.5 47.4 71.2
119 32.0 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 0.99 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

Tgt Ion:131 Resp: 44
Ion Ratio Lower Upper
131 100
133 497.7 47.7 143.1#
119 0.0 32.1 96.5#

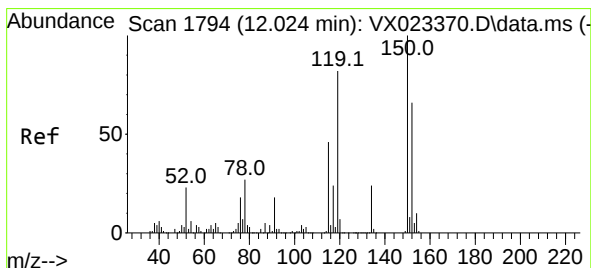
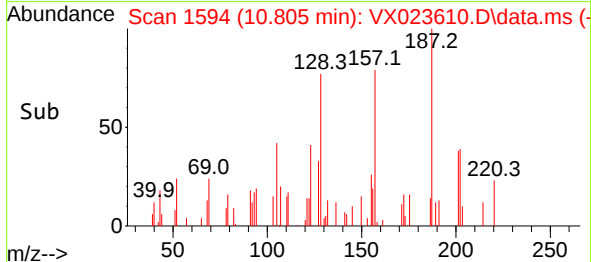
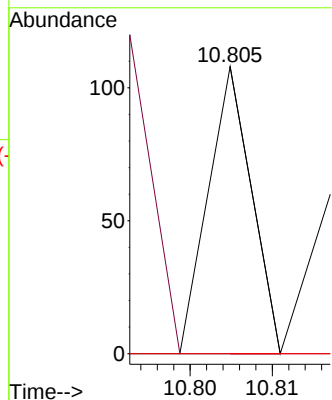
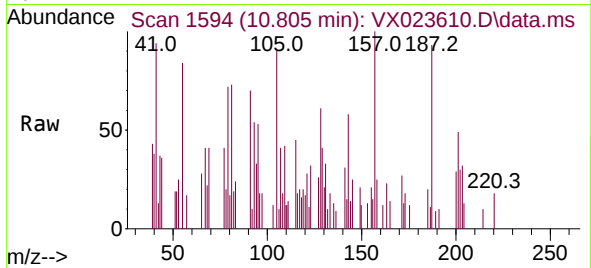




#71
Bromoform
Concen: 3.54 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. -0.000 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

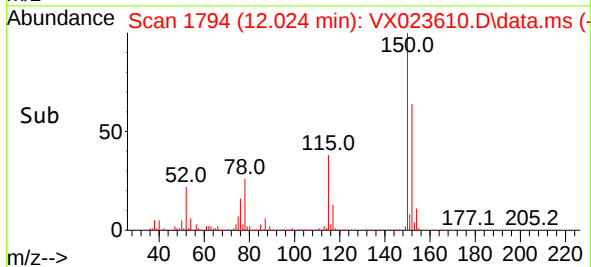
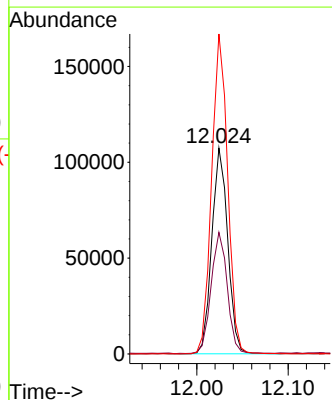
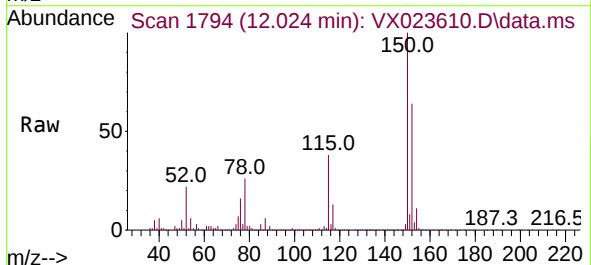
Instrument :
MSVOA_X
ClientSampled :
IBLK

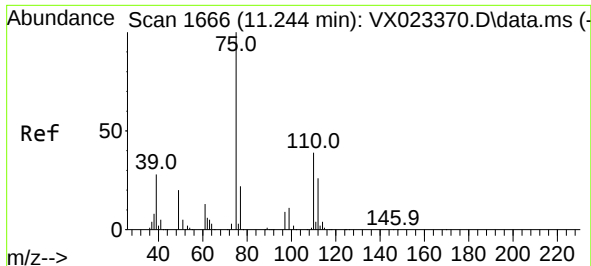
Tgt Ion:173 Resp: 40
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

Tgt Ion:152 Resp: 129958
Ion Ratio Lower Upper
152 100
115 59.5 41.1 123.3
150 155.9 0.0 349.0

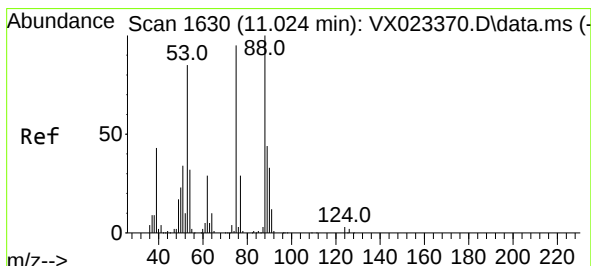
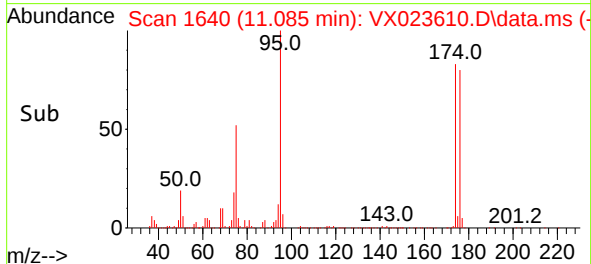
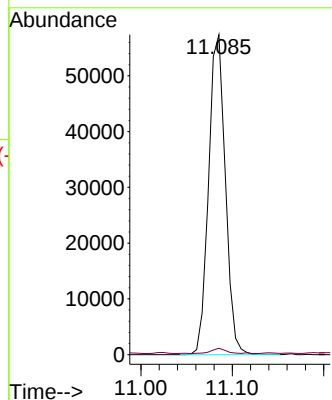
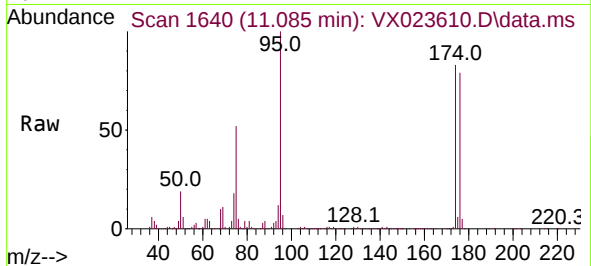




#76
1,2,3-Trichloropropane
Concen: 25.52 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

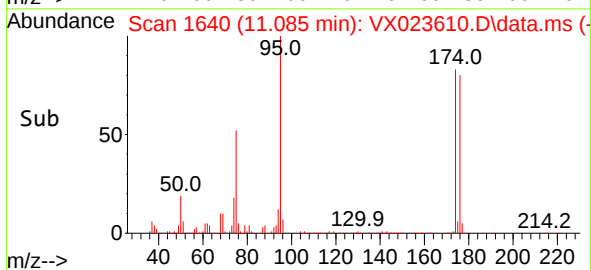
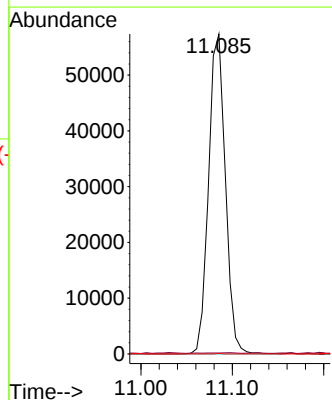
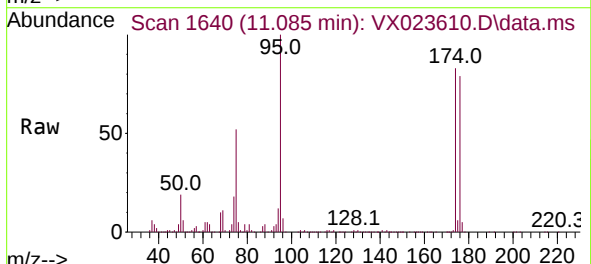
Instrument :
MSVOA_X
ClientSampleId :
IBLK

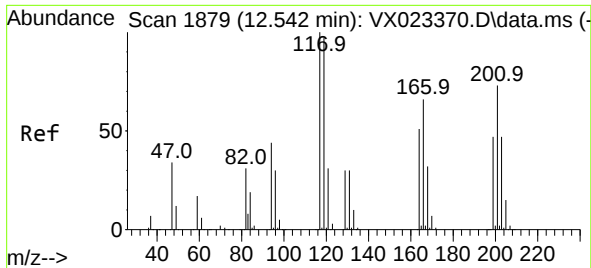
Tgt Ion: 75 Resp: 72973
Ion Ratio Lower Upper
75 100
77 2.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.61 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

Tgt Ion: 75 Resp: 72973
Ion Ratio Lower Upper
75 100
53 0.2 74.5 111.7#
89 0.0 37.9 56.9#

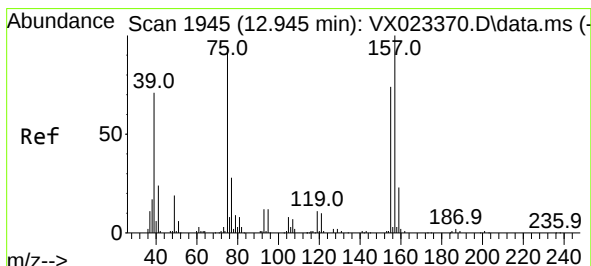
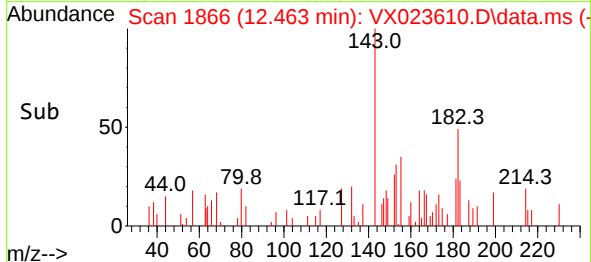
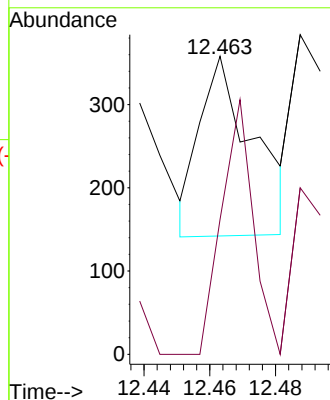
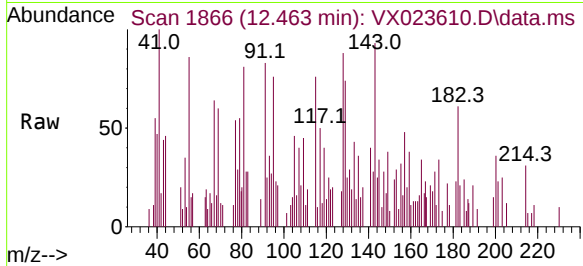




#90
Hexachloroethane
Concen: 2.06 ug/l
RT: 12.463 min Scan# 1866
Delta R.T. -0.079 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

Instrument :
MSVOA_X
ClientSampled :
IBLK

Tgt Ion:117 Resp: 244
Ion Ratio Lower Upper
117 100
201 83.2 40.4 121.2



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.15 ug/l
RT: 12.951 min Scan# 1946
Delta R.T. 0.006 min
Lab File: VX023610.D
Acq: 09 Aug 2021 13:40

Tgt Ion: 75 Resp: 26
Ion Ratio Lower Upper
75 100
155 338.5 45.3 135.9#
157 646.2 57.7 173.1#

