

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080921\
 Data File : VX023620.D
 Acq On : 09 Aug 2021 17:58
 Operator : JC/MD
 Sample : M3276-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 10 04:04:32 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)

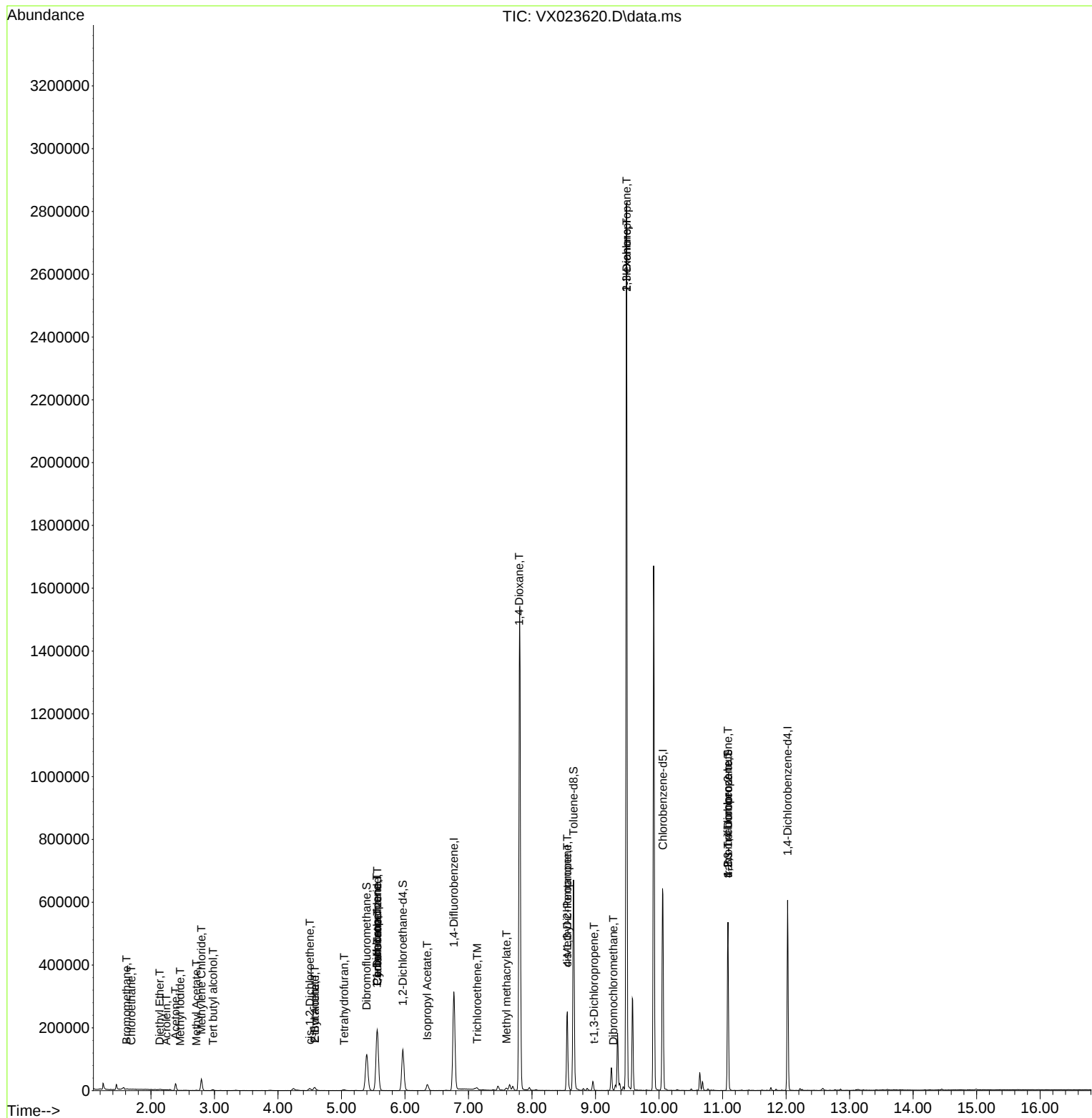
Internal Standards						
1) Pentafluorobenzene	5.562	168	183025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	313572	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	294220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	119000	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	123546	54.11	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.22%			
35) Dibromofluoromethane	5.397	113	98303	50.14	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.28%			
50) Toluene-d8	8.653	98	380898	52.88	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.76%			
62) 4-Bromofluorobenzene	11.085	95	134344	54.85	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.70%			
Target Compounds						Qvalue
5) Bromomethane	1.618	94	828	0.70	ug/l #	79
6) Chloroethane	1.691	64	344	0.28	ug/l #	43
8) Diethyl Ether	2.136	74	241	0.20	ug/l #	1
10) Methyl Iodide	2.459	142	558	0.25	ug/l #	87
11) Tert butyl alcohol	2.977	59	3253	6.24	ug/l	98
13) Acrolein	2.239	56	86	1.69	ug/l #	14
16) Acetone	2.386	43	22410	20.01	ug/l	94
18) Methyl Acetate	2.715	43	1966	0.74	ug/l #	73
20) Methylene Chloride	2.794	84	15149	6.95	ug/l	90
25) 2-Butanone	4.581	43	17060	9.81	ug/l	92
27) cis-1,2-Dichloroethene	4.501	96	4020	1.81	ug/l	94
29) Tetrahydrofuran	5.044	42	2516	2.21	ug/l #	83
31) Cyclohexane	5.562	56	4128	1.22	ug/l #	7
36) 1,1-Dichloropropene	5.556	75	14534	5.12	ug/l #	49
37) Ethyl Acetate	4.581	43	17060	4.77	ug/l #	64
38) Carbon Tetrachloride	5.562	117	18636	6.46	ug/l #	15
43) Isopropyl Acetate	6.348	43	25697	4.64	ug/l #	91
44) Trichloroethene	7.135	130	2024	0.88	ug/l	79
48) Methyl methacrylate	7.598	41	8952	3.49	ug/l #	10
49) 1,4-Dioxane	7.799	88	317	5.80	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	89493	26.40	ug/l #	44
53) t-1,3-Dichloropropene	8.976	75	20	1.82	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	38687	11.41	ug/l #	68
57) 1,3-Dichloropropane	9.488	76	22279	6.21	ug/l #	43
59) 2-Hexanone	9.488	43	324477	126.05	ug/l #	43
60) Dibromochloromethane	9.281	129	139	2.04	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	70286	26.84	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	70286	72.17	ug/l #	12

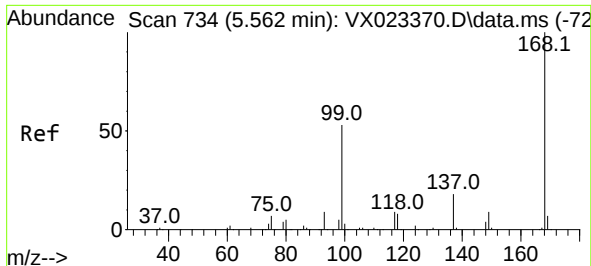
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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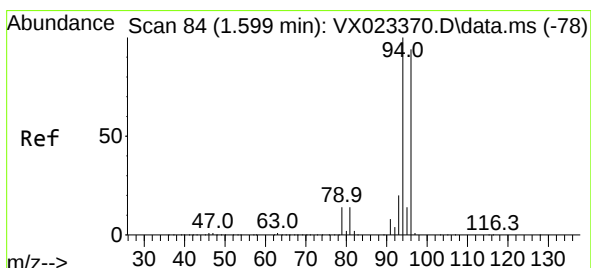
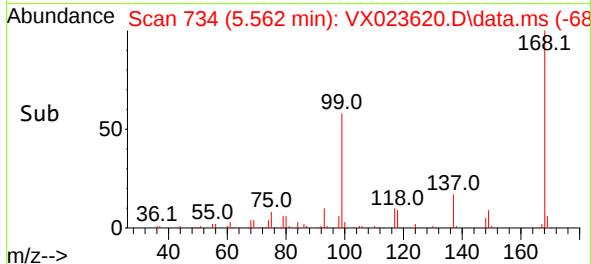
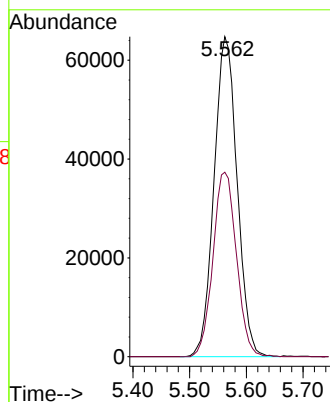
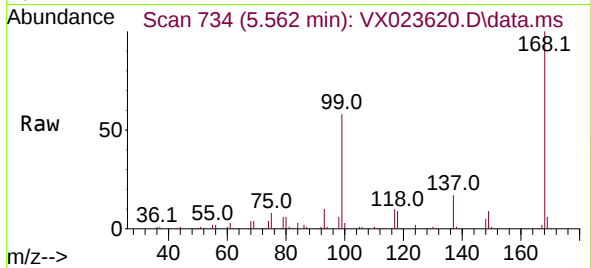




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

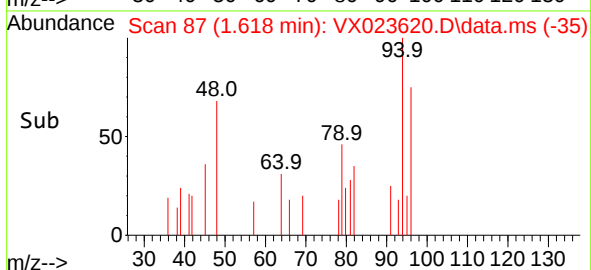
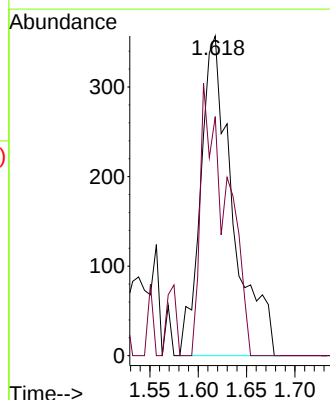
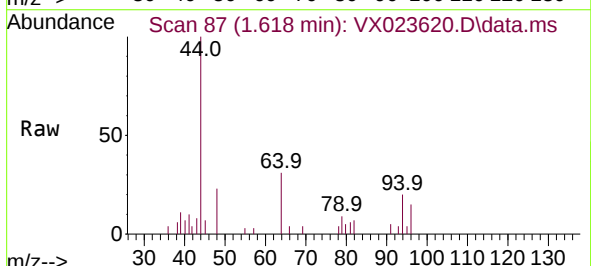
Instrument :
MSVOA_X
ClientSampled :

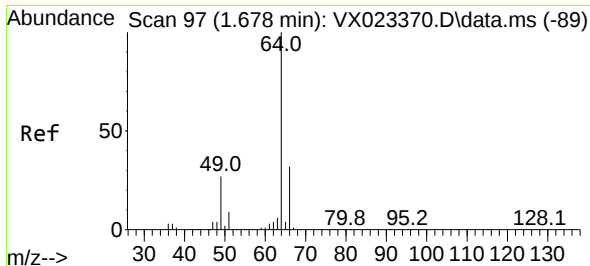
Tgt Ion:168 Resp: 183025
Ion Ratio Lower Upper
168 100
99 57.7 45.8 68.6



#5
Bromomethane
Concen: 0.70 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

Tgt Ion: 94 Resp: 828
Ion Ratio Lower Upper
94 100
96 74.8 76.4 114.6#

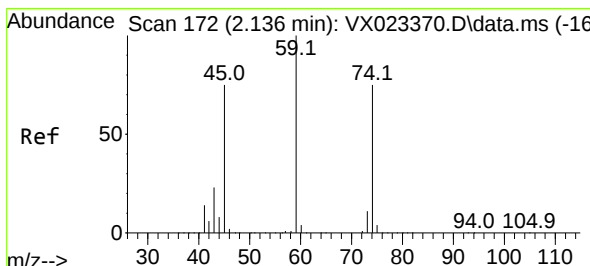
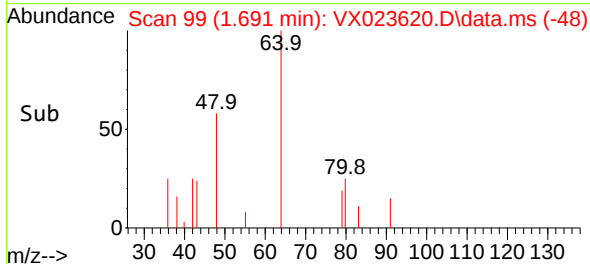
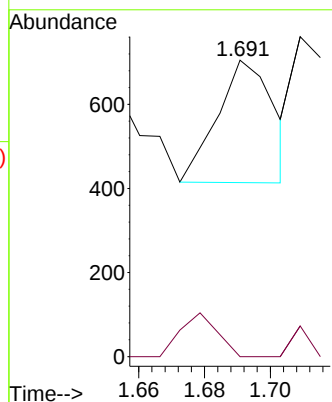
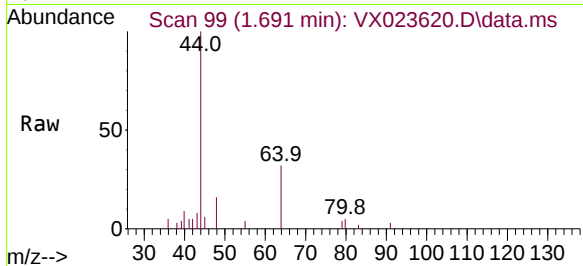




#6
Chloroethane
Concen: 0.28 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

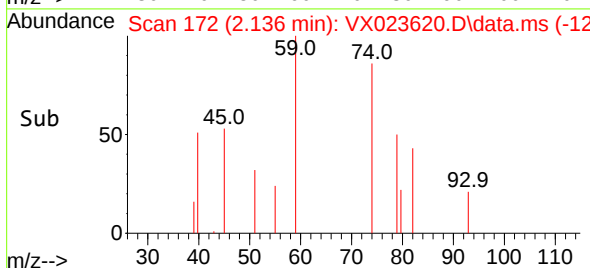
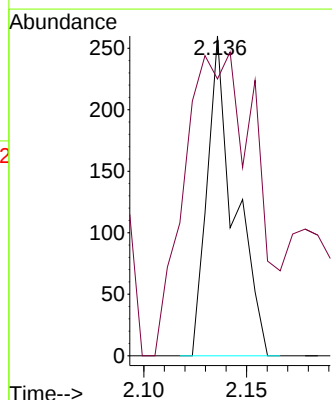
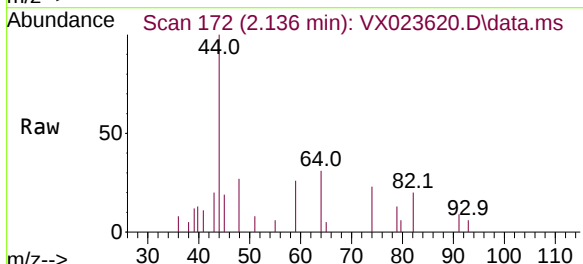
Instrument :
MSVOA_X
ClientSampled :

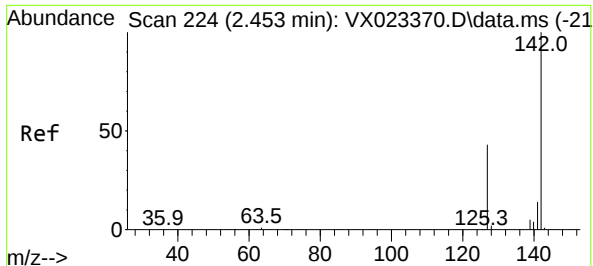
Tgt Ion: 64 Resp: 344
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#8
Diethyl Ether
Concen: 0.20 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

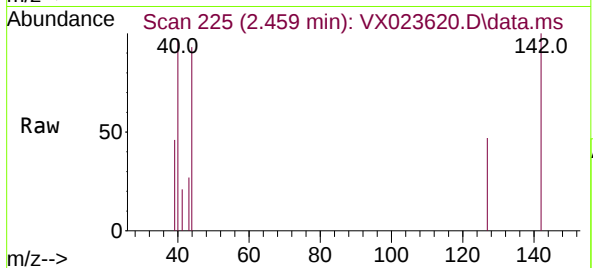
Tgt Ion: 74 Resp: 241
Ion Ratio Lower Upper
74 100
45 246.9 44.5 133.5#



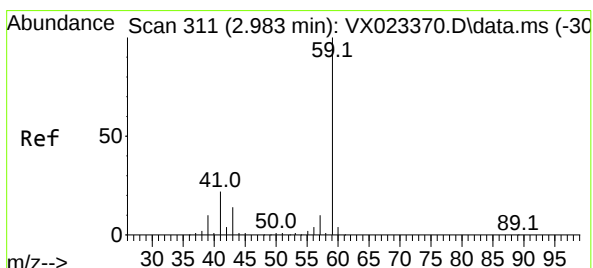
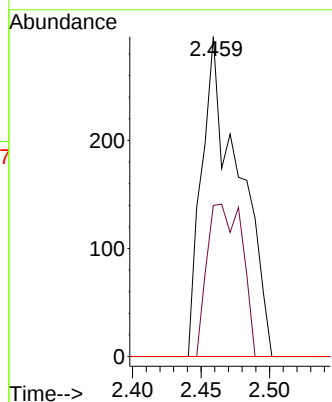
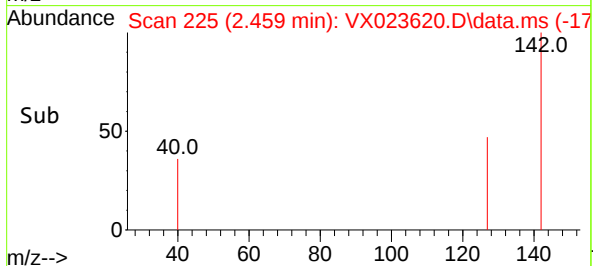


#10
Methyl Iodide
Concen: 0.25 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

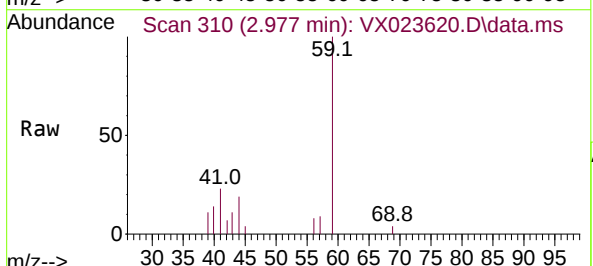
Instrument :
MSVOA_X
ClientSampleId :



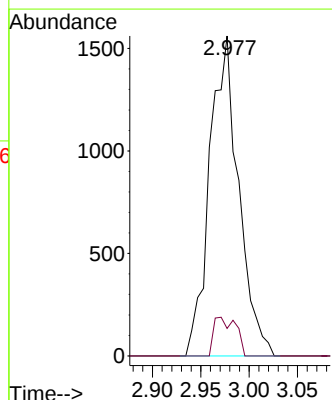
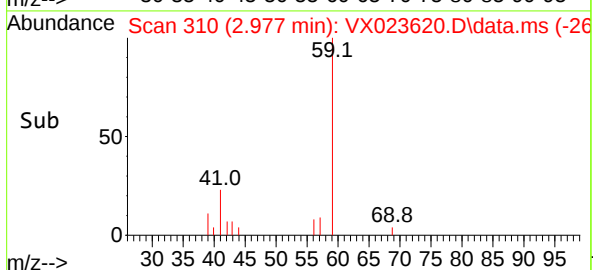
Tgt Ion:142 Resp: 558
Ion Ratio Lower Upper
142 100
127 45.0 33.3 49.9
141 0.0 11.4 17.0#

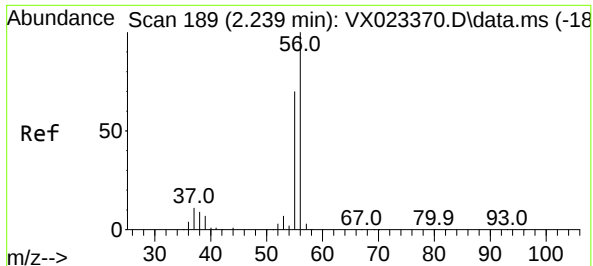


#11
Tert butyl alcohol
Concen: 6.24 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58



Tgt Ion: 59 Resp: 3253
Ion Ratio Lower Upper
59 100
57 9.2 7.8 11.8

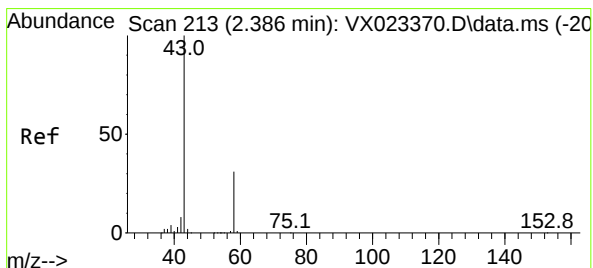
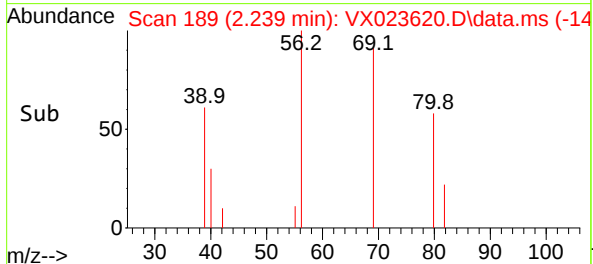
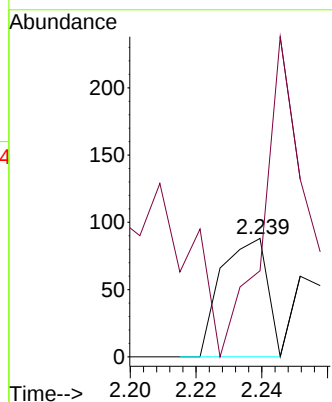
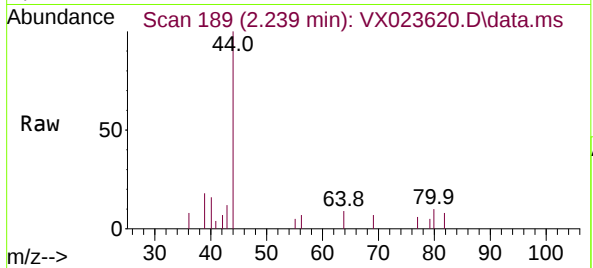




#13
Acrolein
Concen: 1.69 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

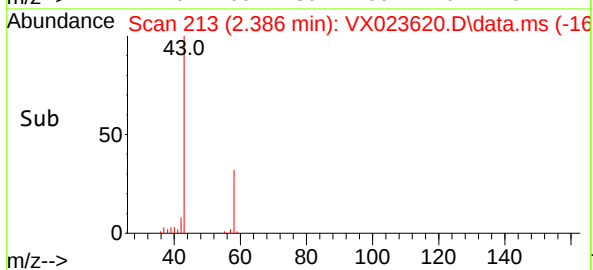
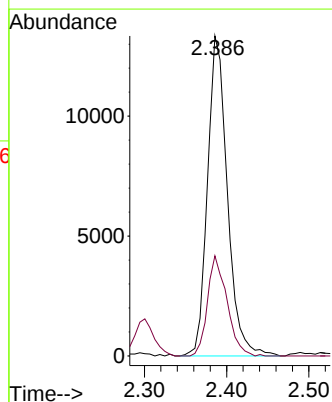
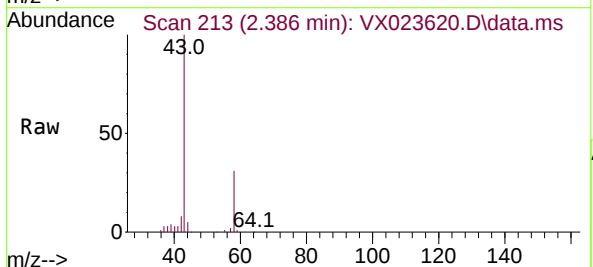
Instrument :
MSVOA_X
ClientSampled :

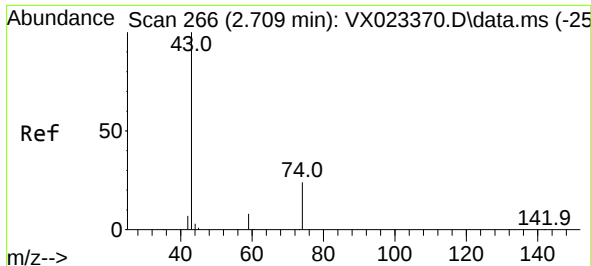
Tgt Ion: 56 Resp: 86
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 20.01 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

Tgt Ion: 43 Resp: 22410
Ion Ratio Lower Upper
43 100
58 31.3 27.8 41.8

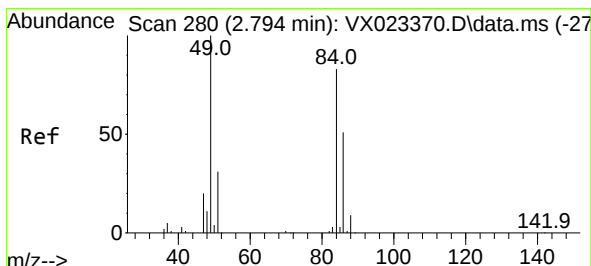
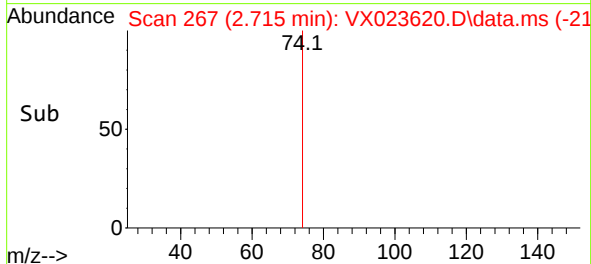
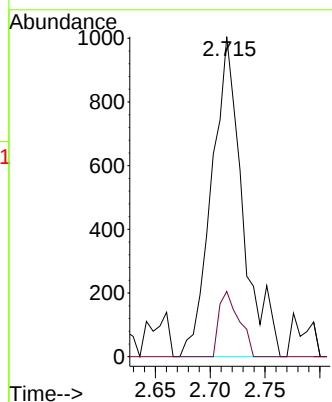
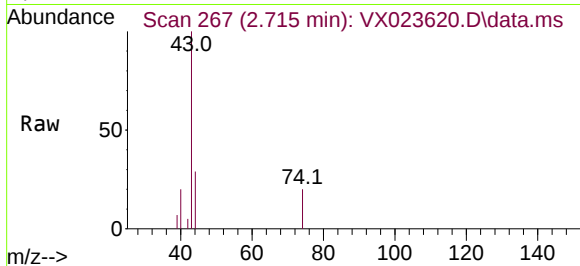




#18
Methyl Acetate
Concen: 0.74 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

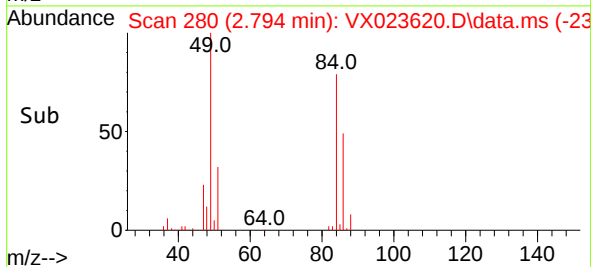
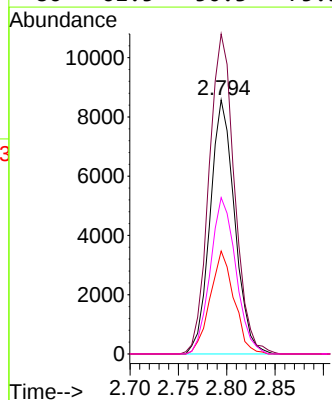
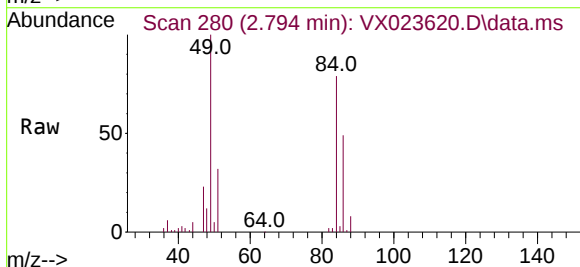
Instrument :
MSVOA_X
ClientSampled :

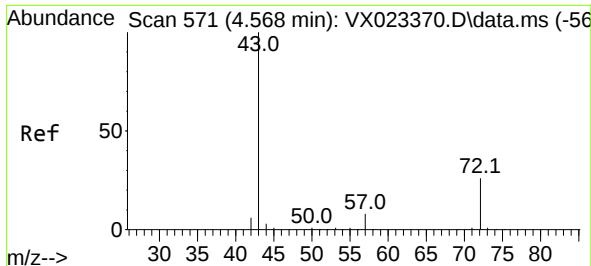
Tgt Ion: 43 Resp: 1966
Ion Ratio Lower Upper
43 100
74 13.3 21.9 32.9#



#20
Methylene Chloride
Concen: 6.95 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

Tgt Ion: 84 Resp: 15149
Ion Ratio Lower Upper
84 100
49 126.0 88.6 132.8
51 40.5 27.0 40.6
86 61.5 50.3 75.5

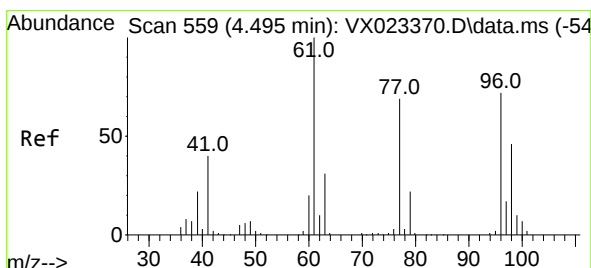
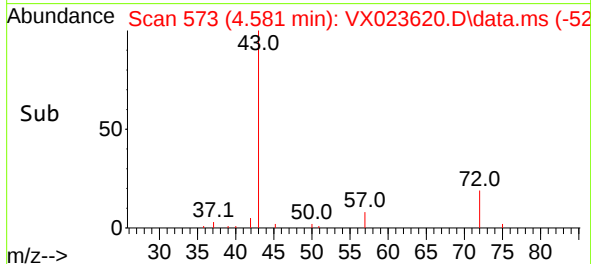
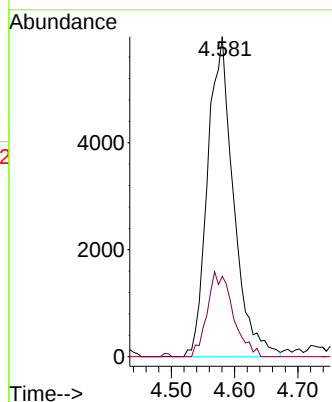
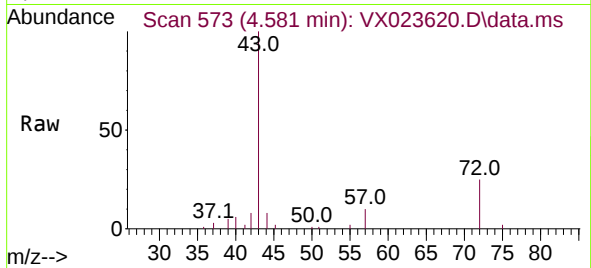




#25
2-Butanone
Concen: 9.81 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

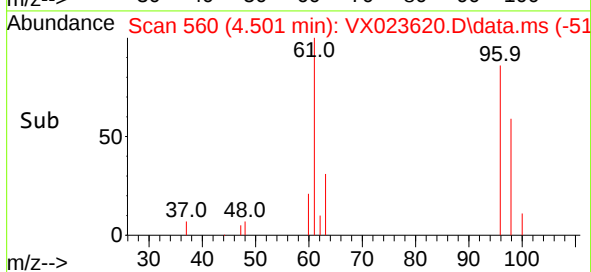
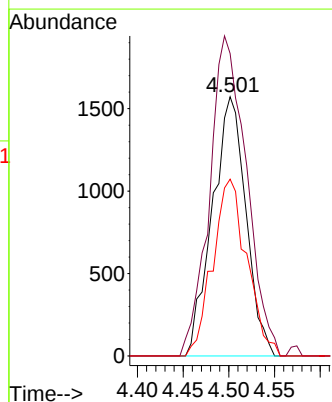
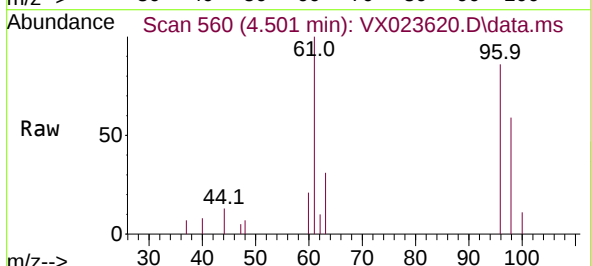
Instrument :
MSVOA_X
ClientSampled :

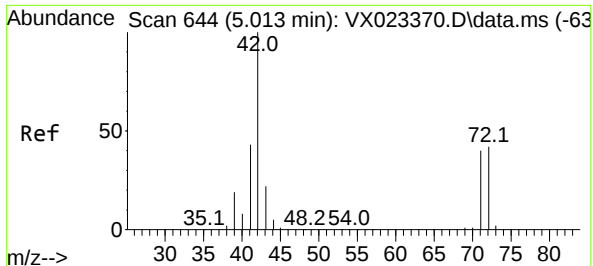
Tgt Ion: 43 Resp: 17060
Ion Ratio Lower Upper
43 100
72 25.1 23.7 35.5



#27
cis-1,2-Dichloroethene
Concen: 1.81 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

Tgt Ion: 96 Resp: 4020
Ion Ratio Lower Upper
96 100
61 135.7 0.0 285.6
98 69.5 0.0 129.6





#29

Tetrahydrofuran

Concen: 2.21 ug/l

RT: 5.044 min Scan# 649

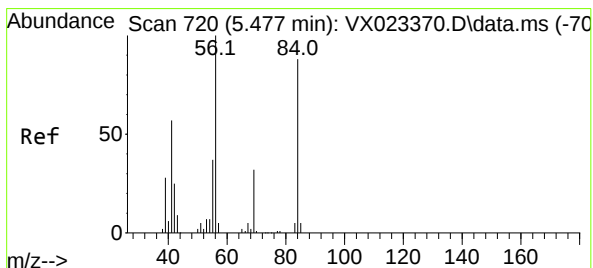
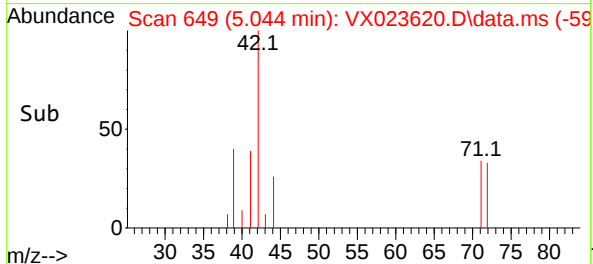
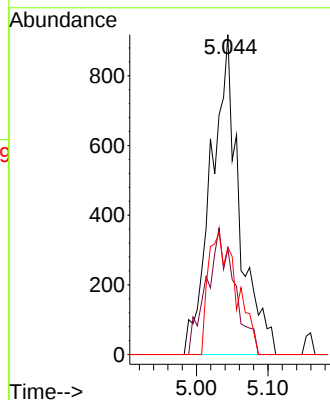
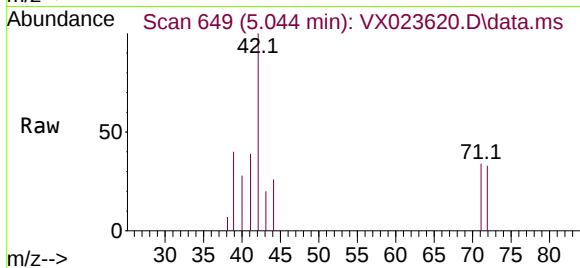
Delta R.T. 0.031 min

Lab File: VX023620.D

Acq: 09 Aug 2021 17:58

Tgt Ion:	42	Resp:	2516
Ion	Ratio	Lower	Upper
42	100		
72	39.0	41.7	62.5#
71	38.4	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.22 ug/l

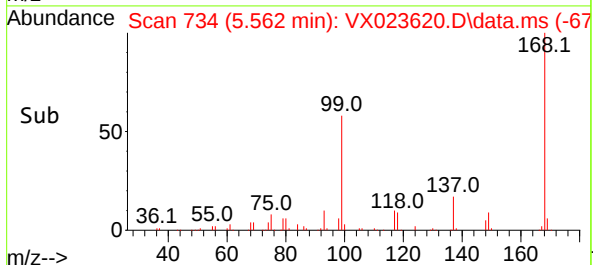
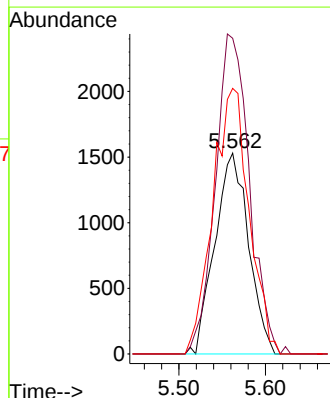
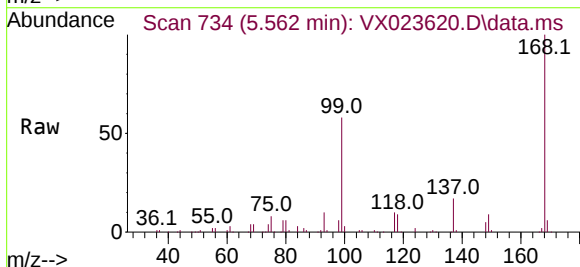
RT: 5.562 min Scan# 734

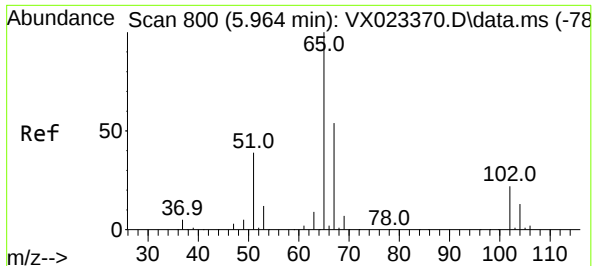
Delta R.T. 0.085 min

Lab File: VX023620.D

Acq: 09 Aug 2021 17:58

Tgt Ion:	56	Resp:	4128
Ion	Ratio	Lower	Upper
56	100		
69	157.2	25.3	37.9#
84	132.3	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 54.11 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023620.D

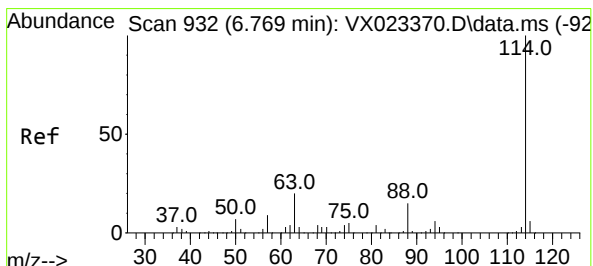
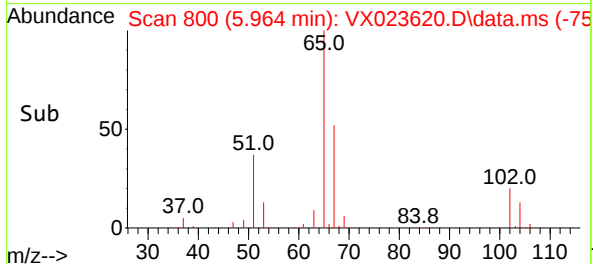
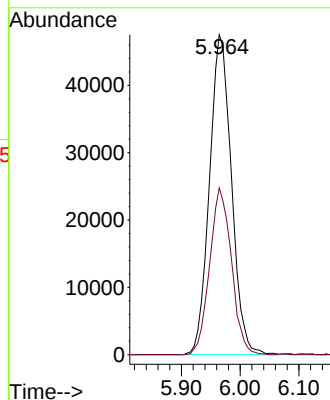
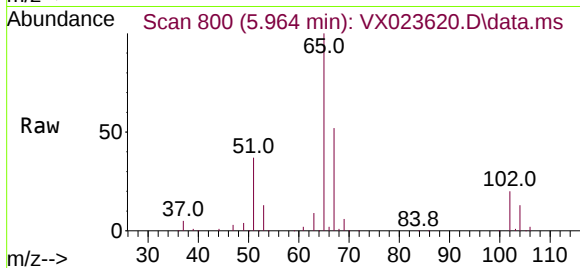
Acq: 09 Aug 2021 17:58

Tgt Ion: 65 Resp: 123546

Ion Ratio Lower Upper

65 100

67 51.5 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: VX023620.D

Acq: 09 Aug 2021 17:58

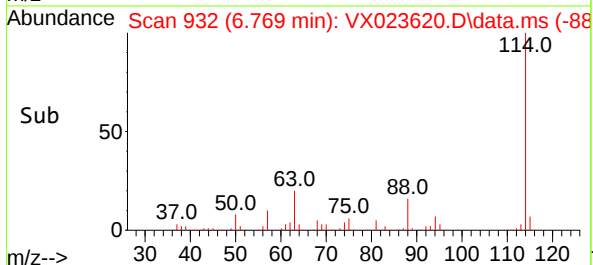
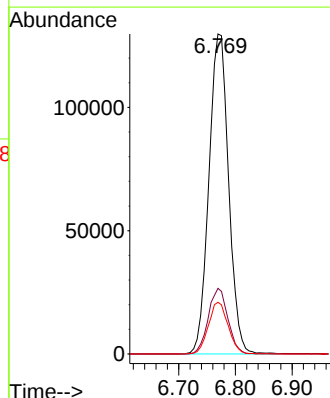
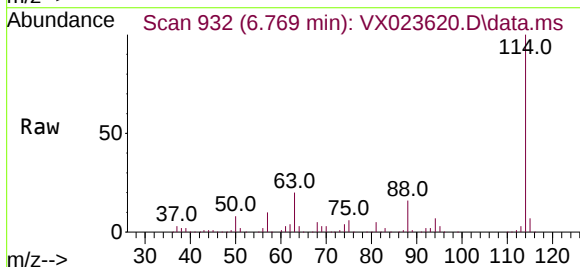
Tgt Ion: 114 Resp: 313572

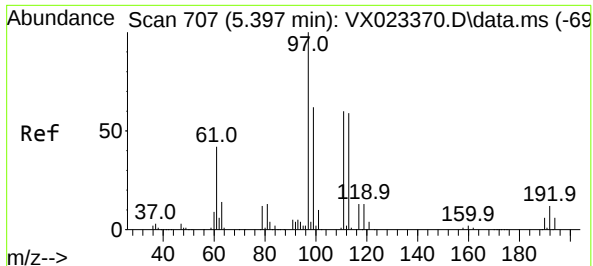
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 16.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.14 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023620.D

Acq: 09 Aug 2021 17:58

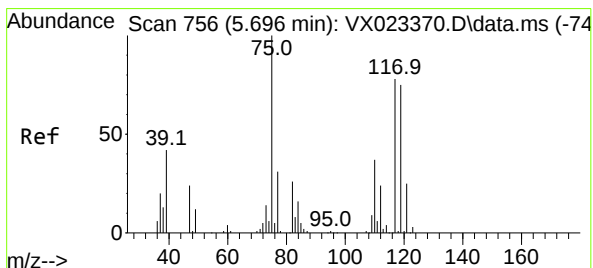
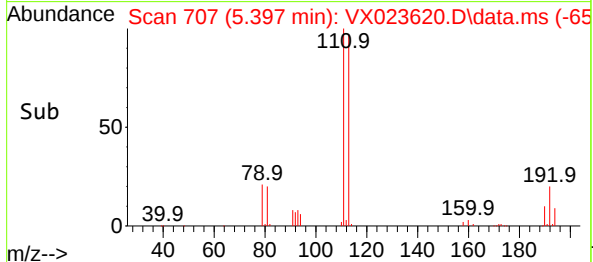
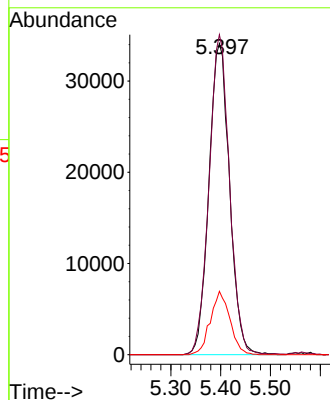
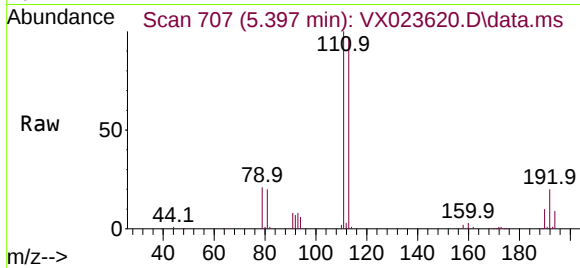
Tgt Ion:113 Resp: 98303

Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

192 19.3 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.12 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX023620.D

Acq: 09 Aug 2021 17:58

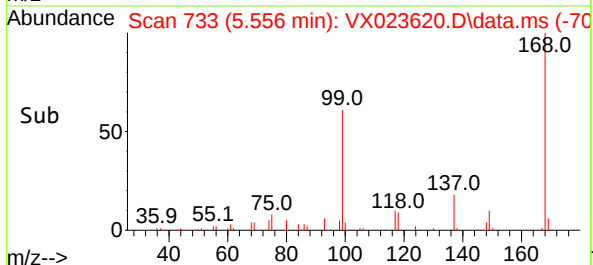
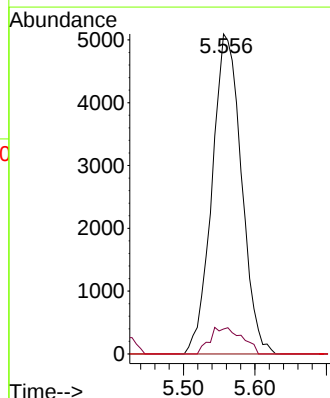
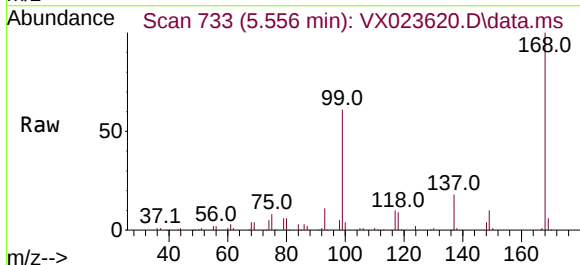
Tgt Ion: 75 Resp: 14534

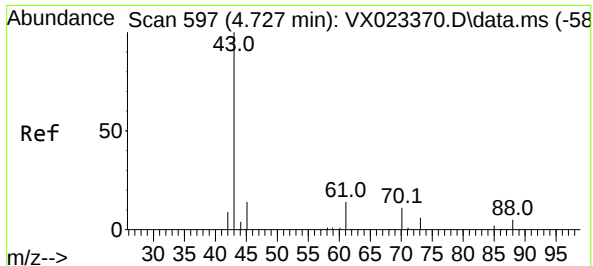
Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 4.77 ug/l

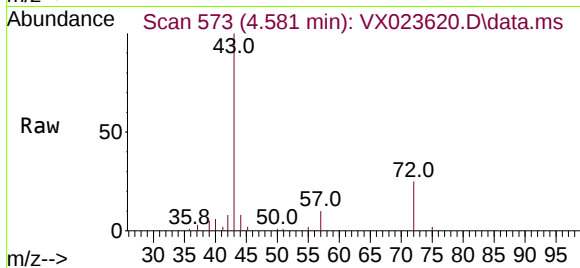
RT: 4.581 min Scan# 573

Delta R.T. -0.146 min

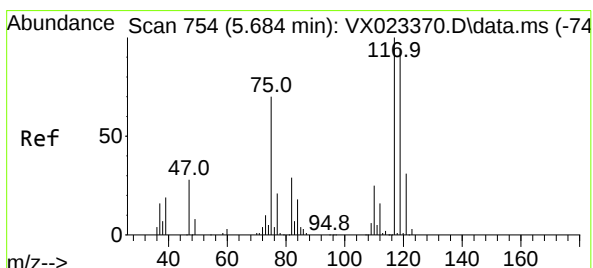
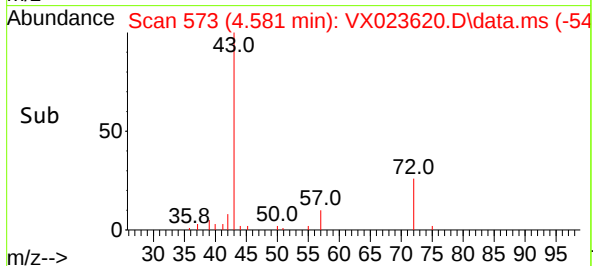
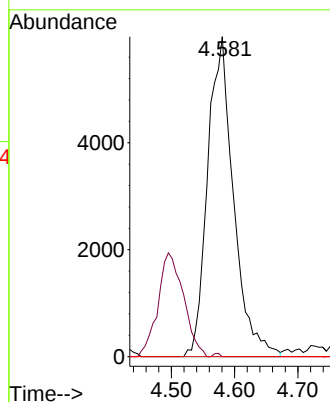
Lab File: VX023620.D

Acq: 09 Aug 2021 17:58

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion:	43	Resp:	17060
Ion Ratio	100	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



#38

Carbon Tetrachloride

Concen: 6.46 ug/l

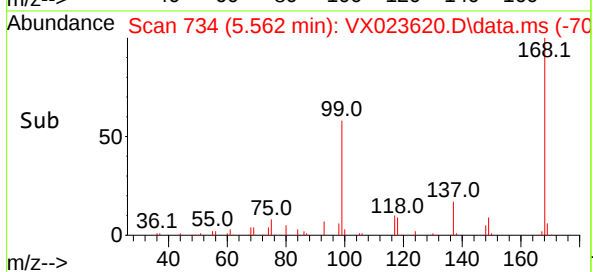
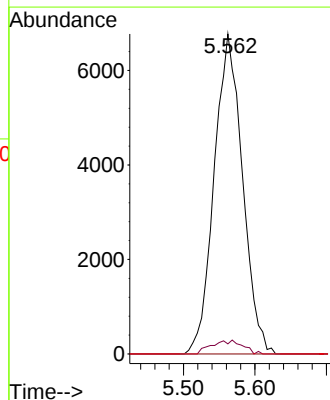
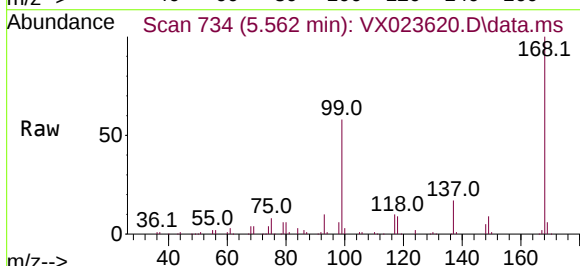
RT: 5.562 min Scan# 734

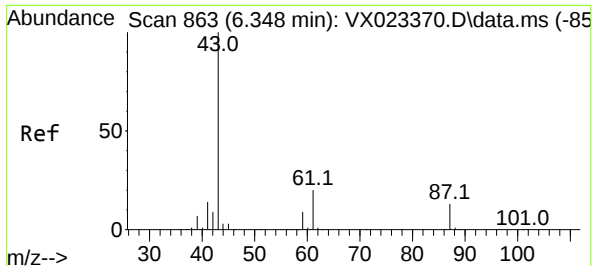
Delta R.T. -0.122 min

Lab File: VX023620.D

Acq: 09 Aug 2021 17:58

Tgt Ion:	117	Resp:	18636
Ion Ratio	100	Lower	Upper
117	100		
119	3.1	76.2	114.2#
121	0.0	24.8	37.2#

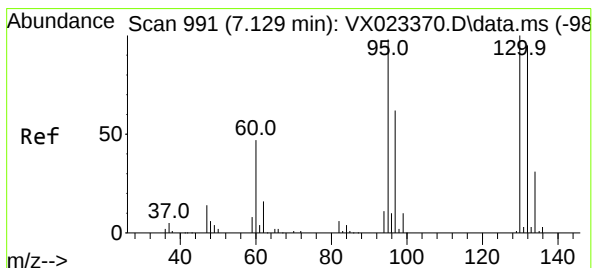
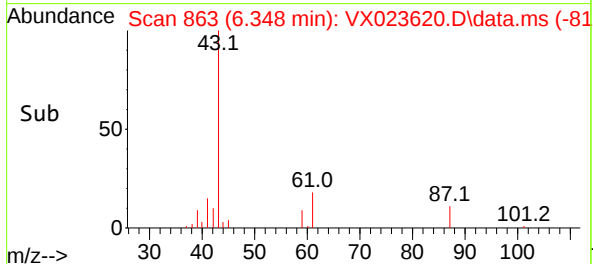
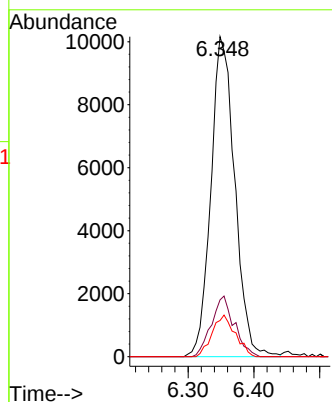
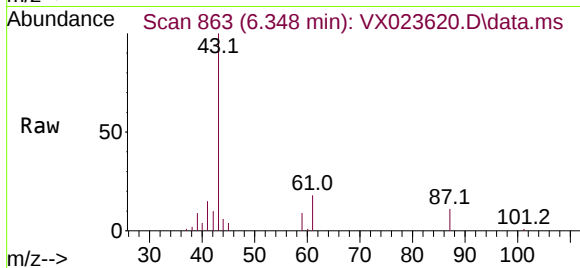




#43
Isopropyl Acetate
Concen: 4.64 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

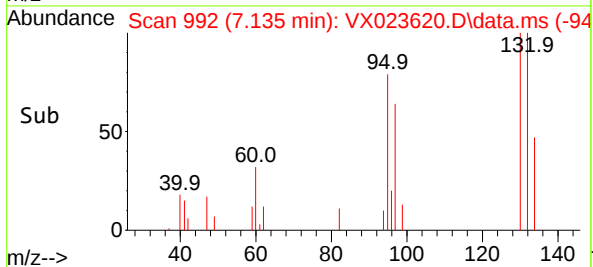
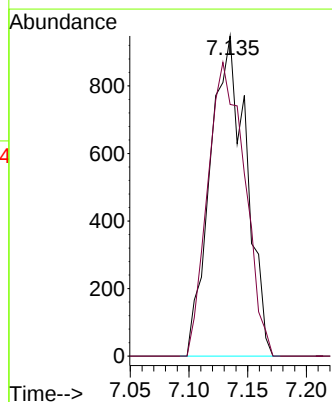
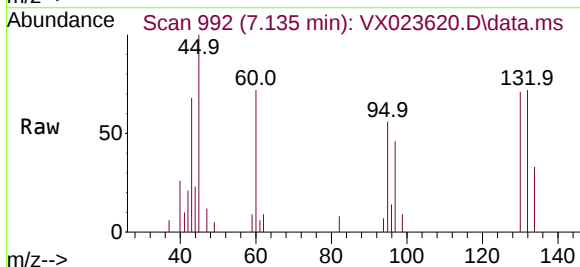
Instrument :
MSVOA_X
ClientSampled :

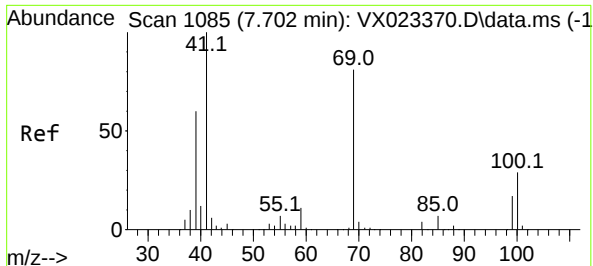
Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.2	18.2	27.4#
87	12.6	12.5	18.7



#44
Trichloroethene
Concen: 0.88 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	78.6	0.0	198.0





#48

Methyl methacrylate

Concen: 3.49 ug/l

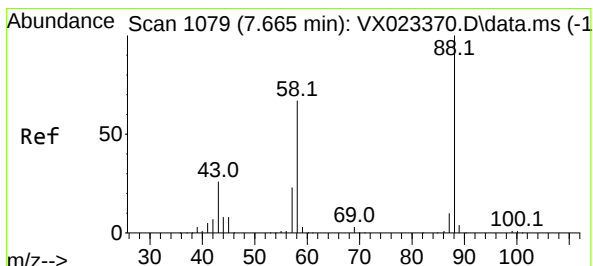
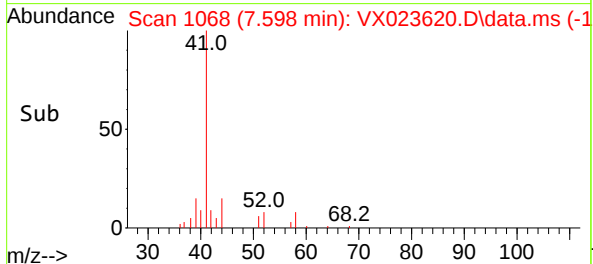
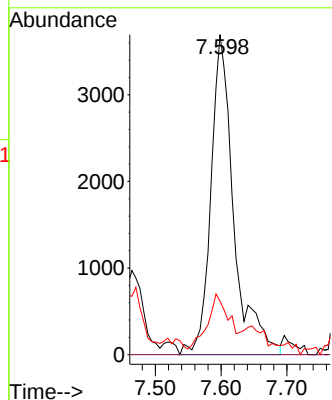
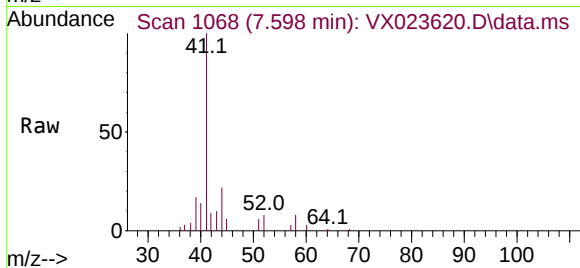
RT: 7.598 min Scan# 1068

Delta R.T. -0.104 min

Lab File: VX023620.D

Acq: 09 Aug 2021 17:58

Tgt Ion:	41	Resp:	8952
Ion Ratio	Lower	Upper	
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#



#49

1,4-Dioxane

Concen: 5.80 ug/l

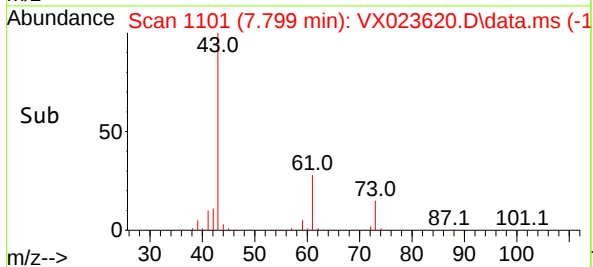
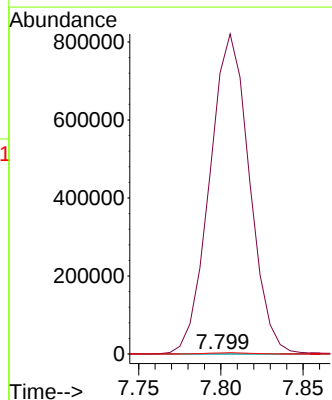
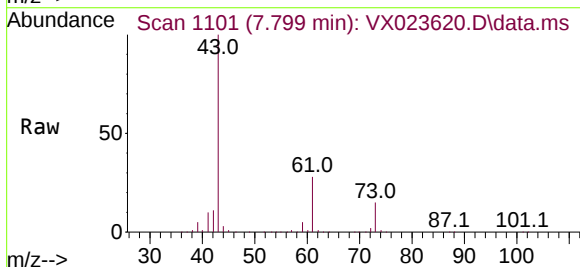
RT: 7.799 min Scan# 1101

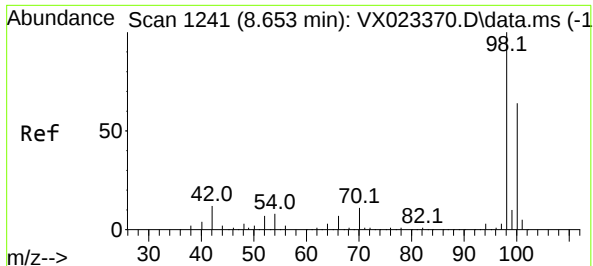
Delta R.T. 0.134 min

Lab File: VX023620.D

Acq: 09 Aug 2021 17:58

Tgt Ion:	88	Resp:	317
Ion Ratio	Lower	Upper	
88	100		
43	437414.5	23.2	34.8#
58	1755.5	55.0	82.4#

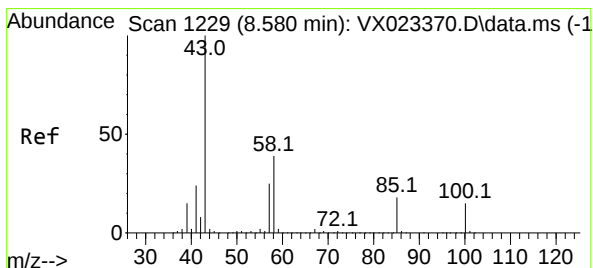
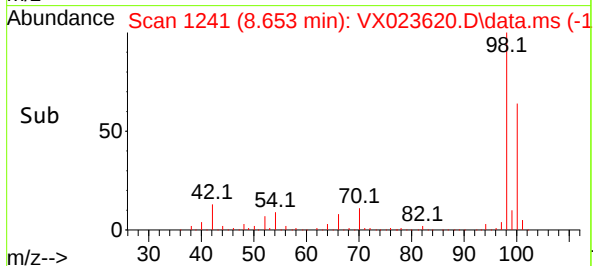
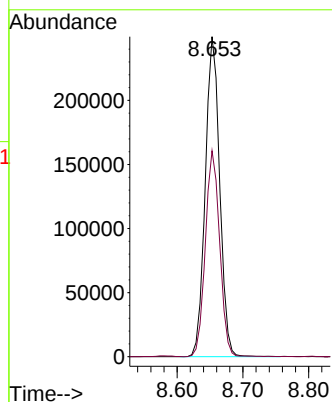
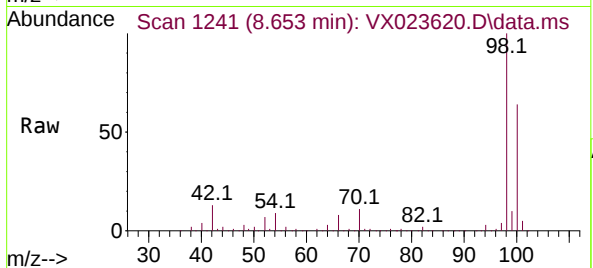




#50
Toluene-d8
Concen: 52.88 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

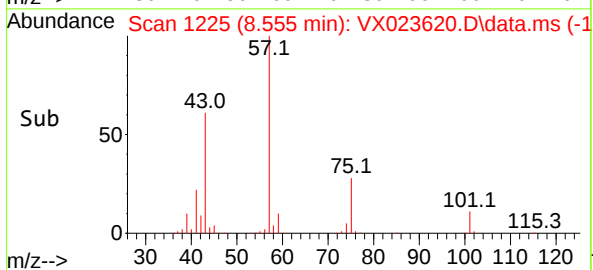
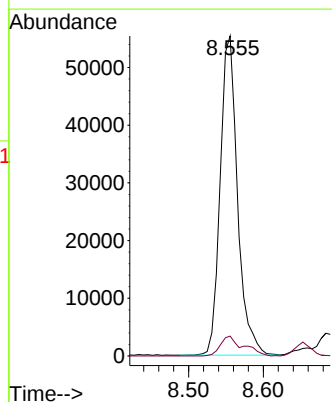
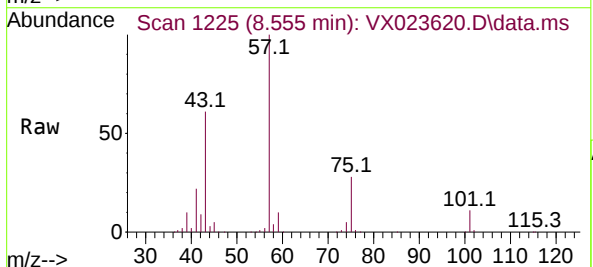
Instrument :
MSVOA_X
ClientSampled :

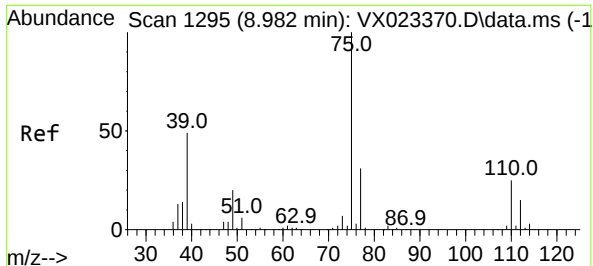
Tgt Ion: 98 Resp: 380898
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 26.40 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

Tgt Ion: 43 Resp: 89493
Ion Ratio Lower Upper
43 100
58 8.2 35.4 53.0#

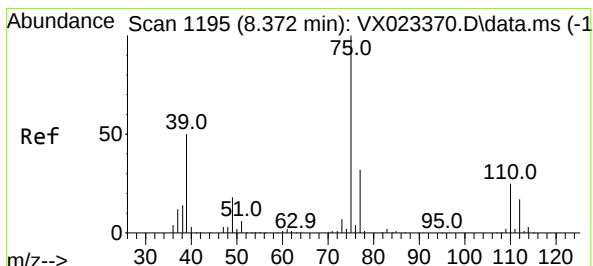
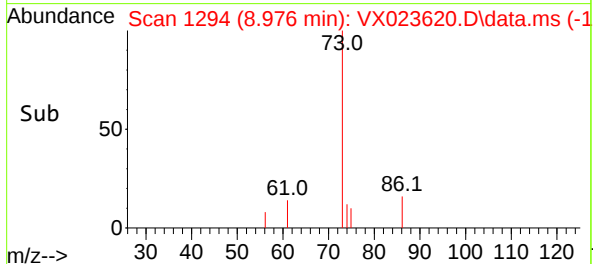
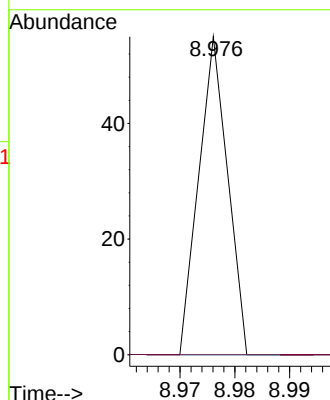
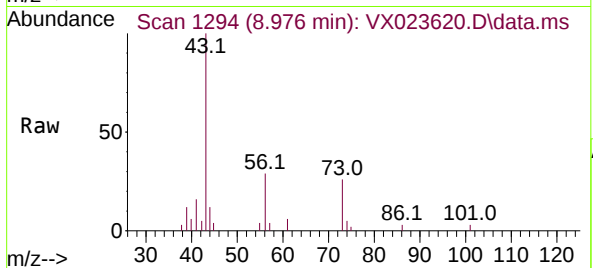




#53
t-1,3-Dichloropropene
Concen: 1.82 ug/l
RT: 8.976 min Scan# 1294
Delta R.T. -0.006 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

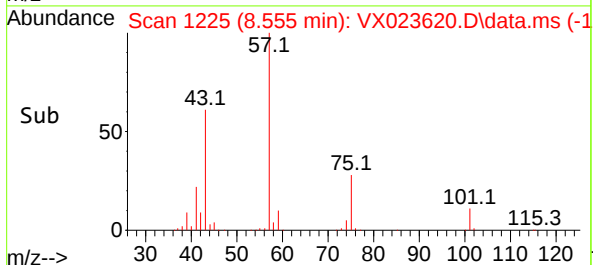
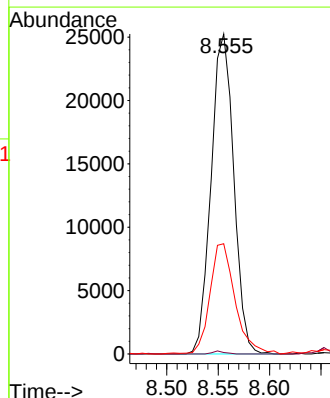
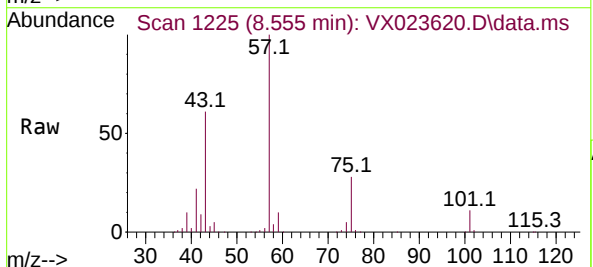
Instrument :
MSVOA_X
ClientSampled :

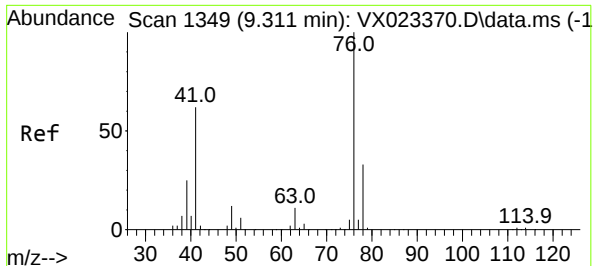
Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 11.41 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

Tgt Ion: 75 Resp: 38687
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 34.4 35.1 52.7#

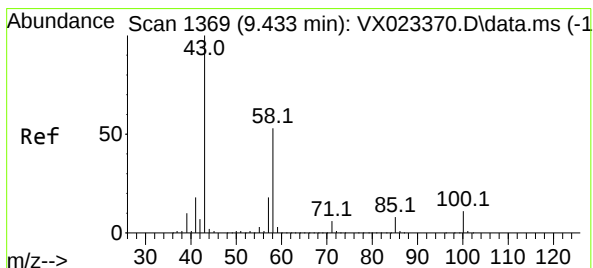
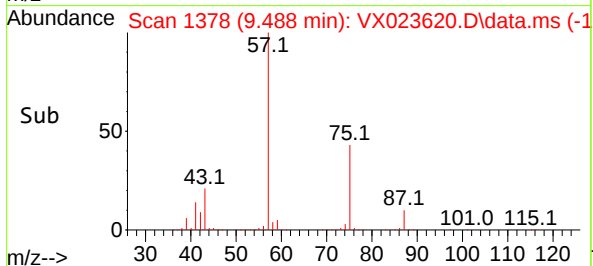
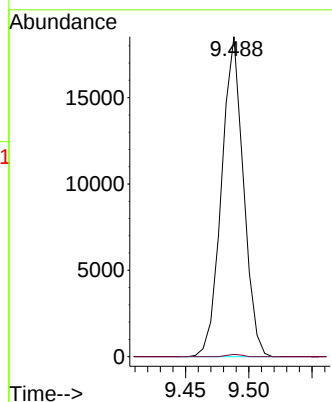
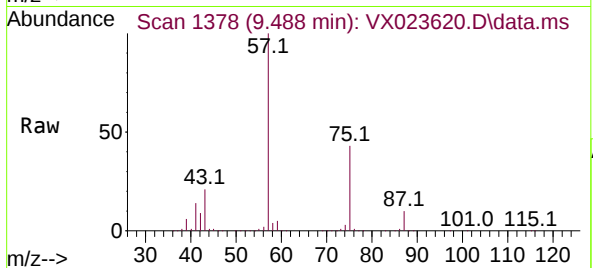




#57
1,3-Dichloropropane
Concen: 6.21 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

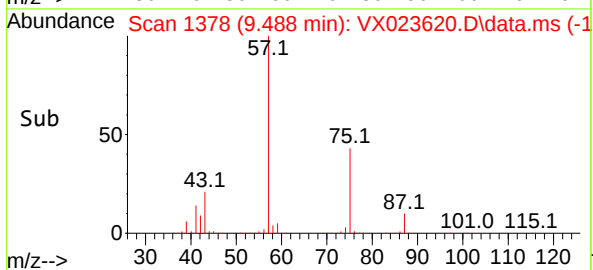
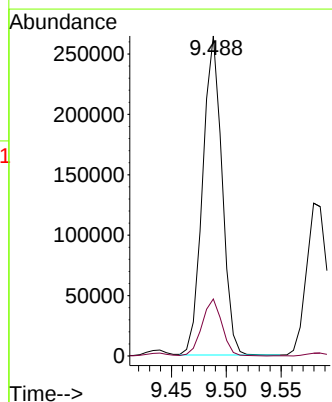
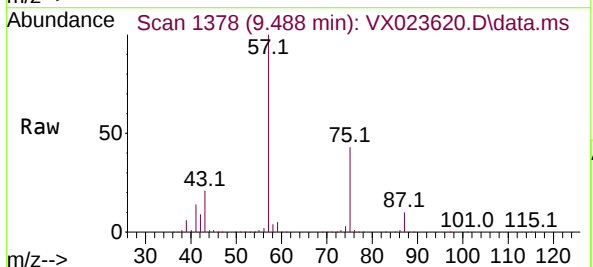
Instrument :
MSVOA_X
ClientSampleId :

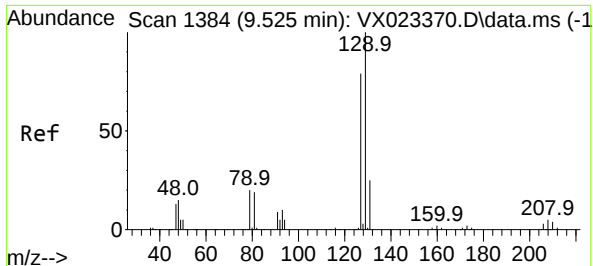
Tgt Ion: 76 Resp: 22279
Ion Ratio Lower Upper
76 100
78 0.5 26.2 39.2#



#59
2-Hexanone
Concen: 126.05 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

Tgt Ion: 43 Resp: 324477
Ion Ratio Lower Upper
43 100
58 18.4 30.9 92.8#

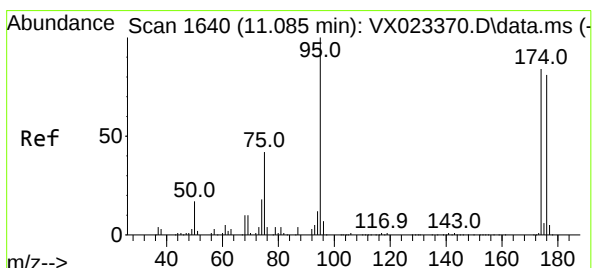
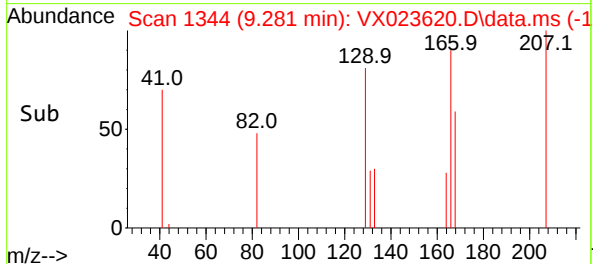
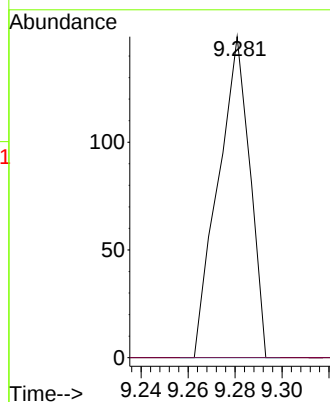
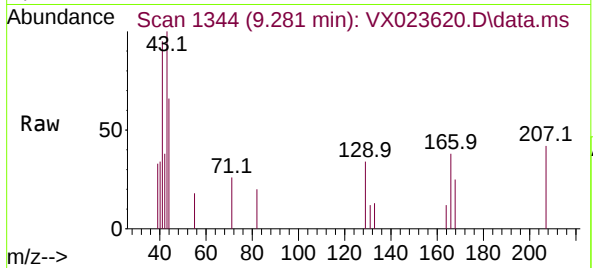




#60
Dibromochloromethane
Concen: 2.04 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

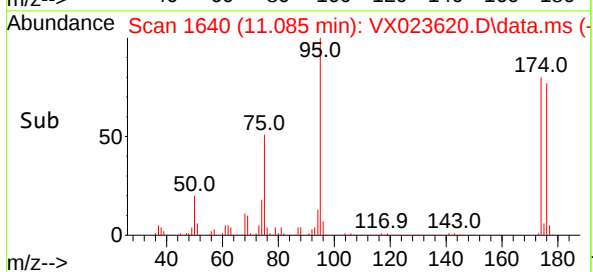
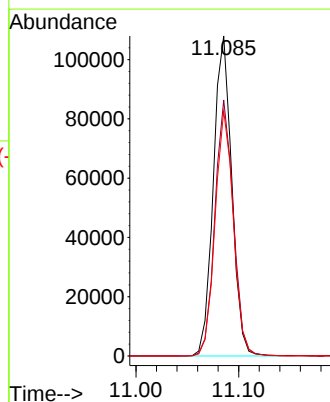
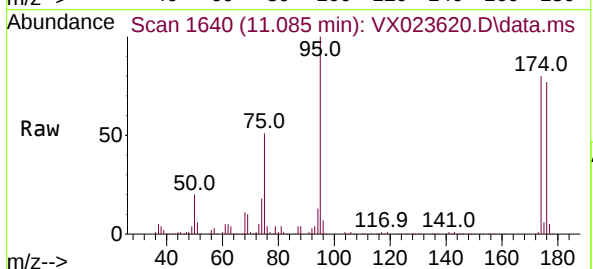
Instrument :
MSVOA_X
ClientSampled :

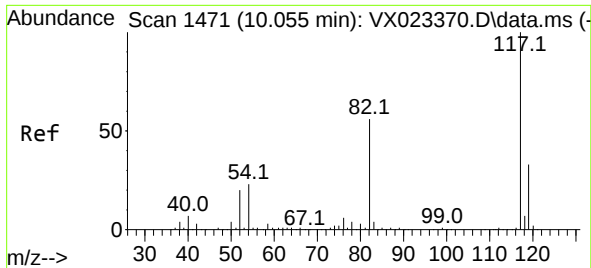
Tgt Ion:129 Resp: 139
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 54.85 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

Tgt Ion: 95 Resp: 134344
Ion Ratio Lower Upper
95 100
174 79.9 0.0 154.6
176 76.2 0.0 155.8

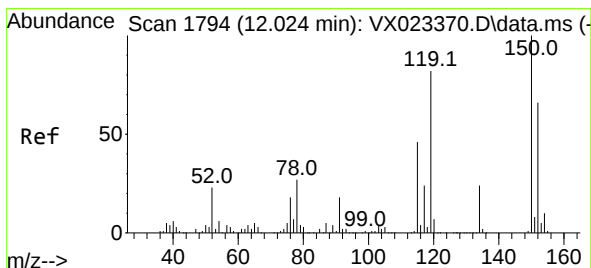
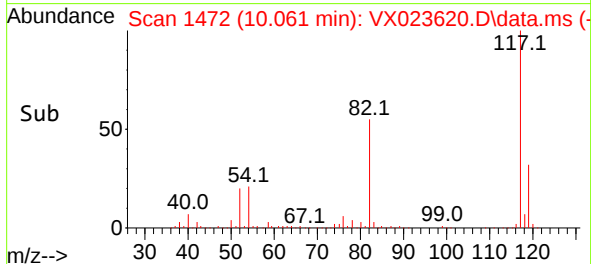
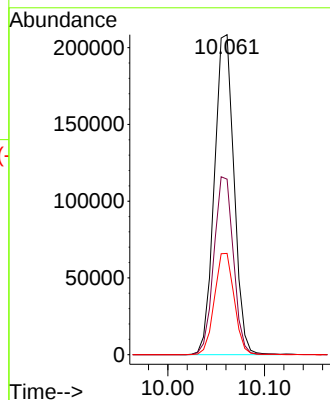
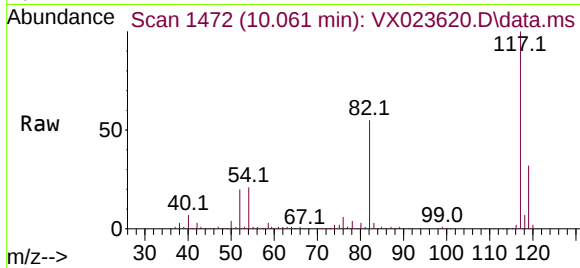




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

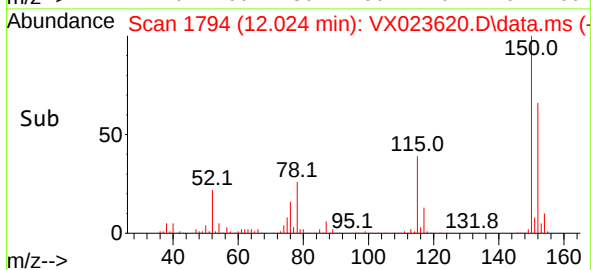
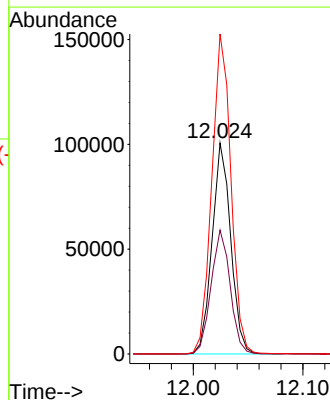
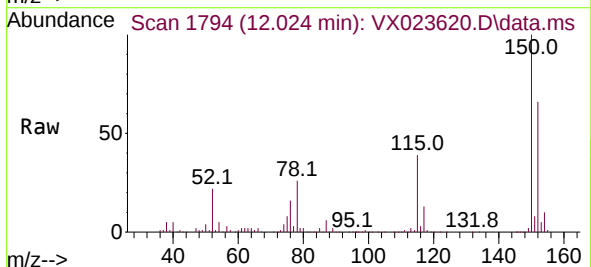
Instrument :
MSVOA_X
ClientSampled :

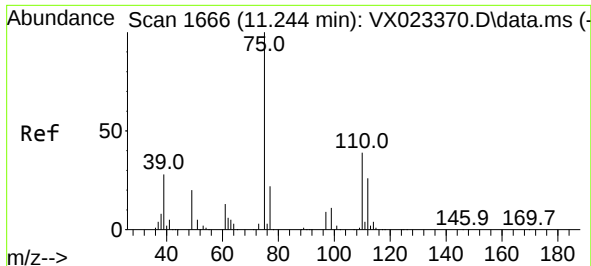
Tgt Ion:117 Resp: 294220
Ion Ratio Lower Upper
117 100
82 54.9 47.4 71.2
119 31.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

Tgt Ion:152 Resp: 119000
Ion Ratio Lower Upper
152 100
115 60.2 41.1 123.3
150 155.8 0.0 349.0

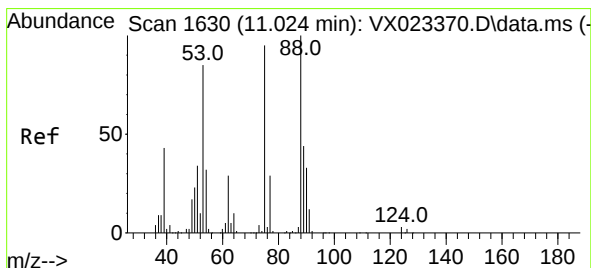
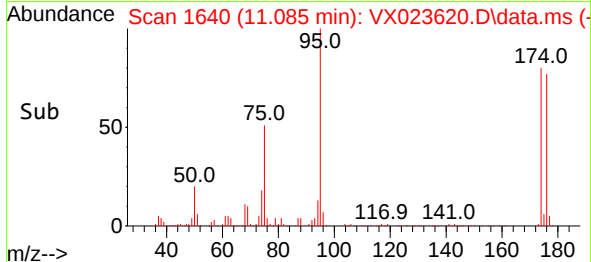
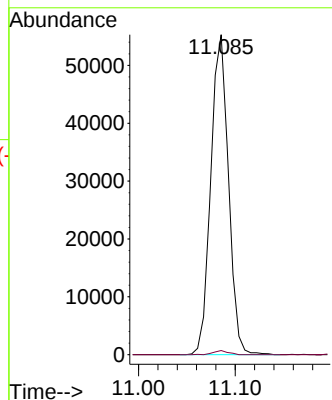
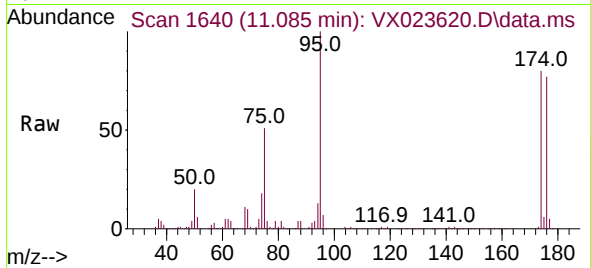




#76
1,2,3-Trichloropropane
Concen: 26.84 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 70286
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.17 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023620.D
Acq: 09 Aug 2021 17:58

Tgt Ion: 75 Resp: 70286
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

