

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060921\
 Data File : VX022620.D
 Acq On : 09 Jun 2021 17:40
 Operator : JC/MD
 Sample : M2652-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 60BR-20210608

Quant Time: Jun 10 05:44:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 07 14:27:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	54658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	111340	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	97968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	35279	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	46918	48.29	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.58%
35) Dibromofluoromethane	5.391	113	33271	47.76	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.52%
50) Toluene-d8	8.653	98	139005	50.01	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.02%
62) 4-Bromofluorobenzene	11.085	95	45208	43.76	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.52%

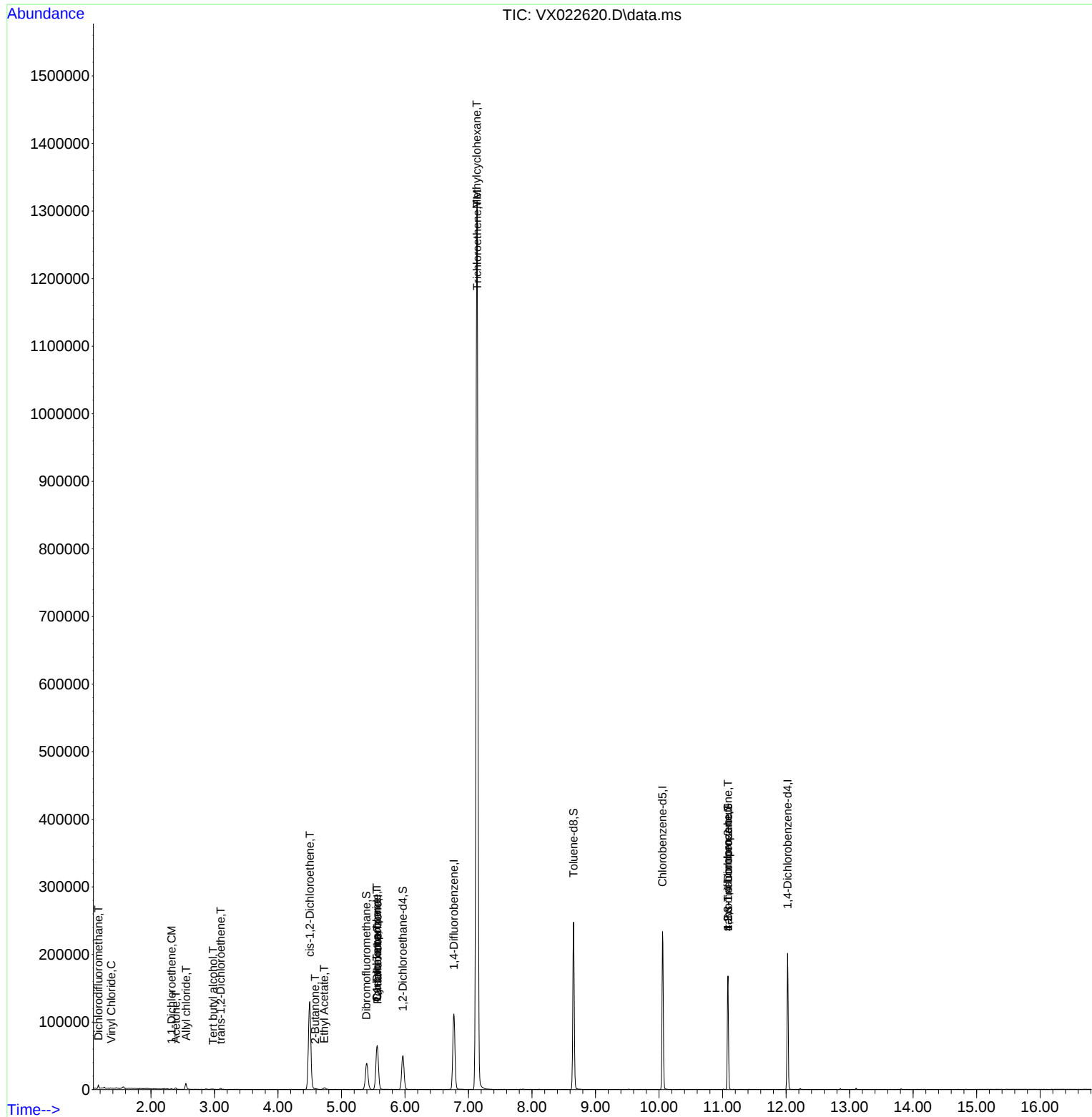
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	2368	3.71	ug/l	95
4) Vinyl Chloride	1.374	62	268	0.36	ug/l	94
11) Tert butyl alcohol	2.977	59	840	3.85	ug/l #	73
12) 1,1-Dichloroethene	2.325	96	362	0.52	ug/l	96
14) Allyl chloride	2.556	41	742	0.58	ug/l #	9
16) Acetone	2.392	43	2214	5.07	ug/l	91
21) trans-1,2-Dichloroethene	3.099	96	669	0.86	ug/l #	69
25) 2-Butanone	4.586	43	157	0.22	ug/l #	45
27) cis-1,2-Dichloroethene	4.501	96	77308	84.36	ug/l	94
31) Cyclohexane	5.562	56	1761	1.53	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	5702	5.29	ug/l #	45
37) Ethyl Acetate	4.727	43	4412	3.19	ug/l #	75
38) Carbon Tetrachloride	5.556	117	6267	8.09	ug/l #	16
39) Methylcyclohexane	7.129	83	6589	7.11	ug/l #	1
44) Trichloroethene	7.135	130	458122	584.12	ug/l	91
76) 1,2,3-Trichloropropane	11.085	75	25325	27.71	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	25325	67.94	ug/l #	12

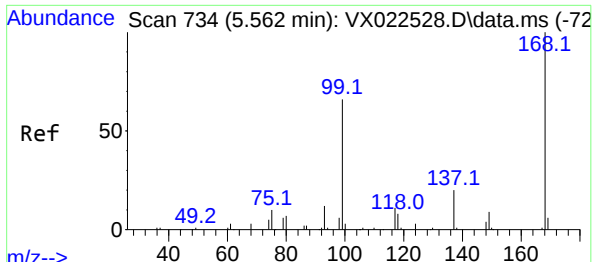
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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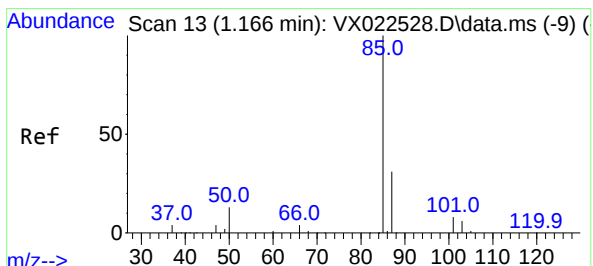
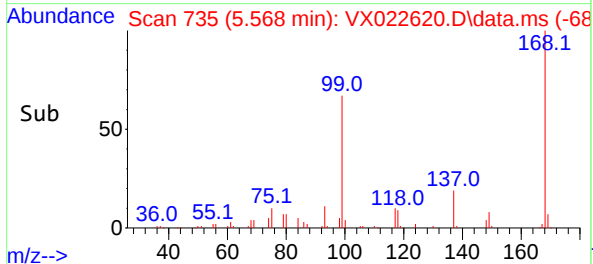
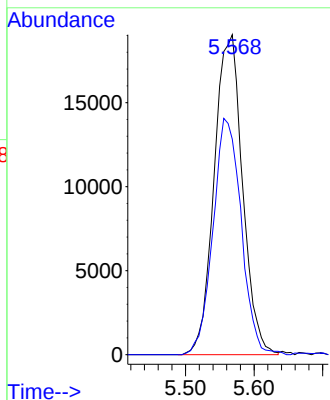
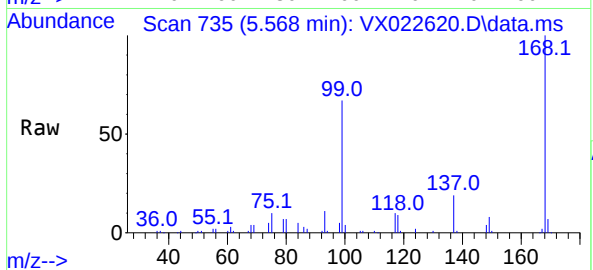




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX022620.D
Acq: 09 Jun 2021 17:40

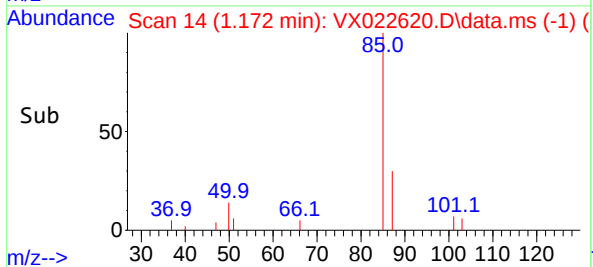
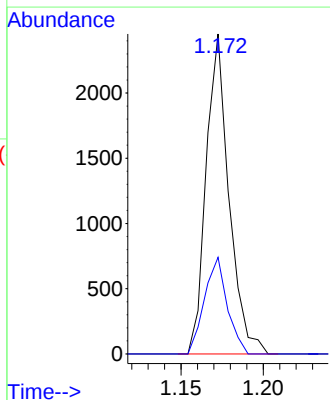
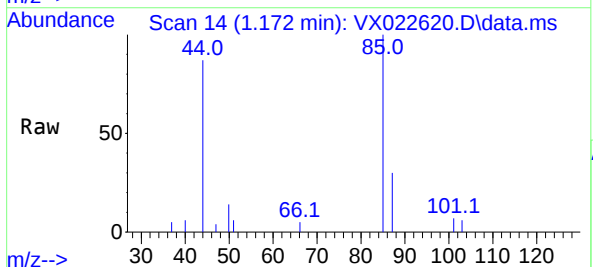
Instrument :
MSVOA_X
ClientSampleId :
60BR-20210608

Tgt Ion:168 Resp: 54658
Ion Ratio Lower Upper
168 100
99 67.4 45.8 68.6

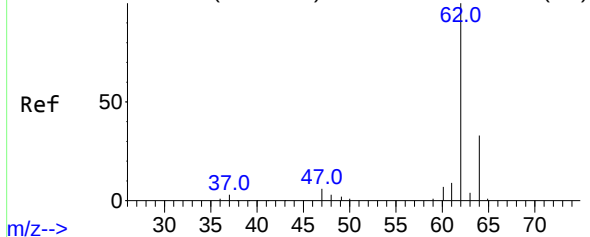


#2
Dichlorodifluoromethane
Concen: 3.71 ug/l
RT: 1.172 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX022620.D
Acq: 09 Jun 2021 17:40

Tgt Ion: 85 Resp: 2368
Ion Ratio Lower Upper
85 100
87 30.2 16.4 49.2



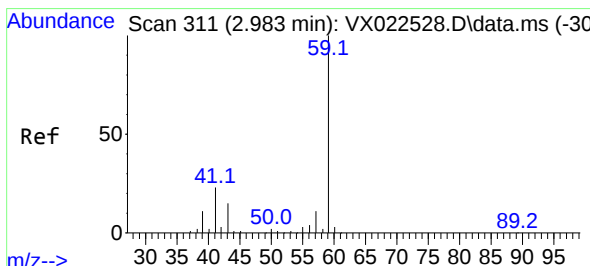
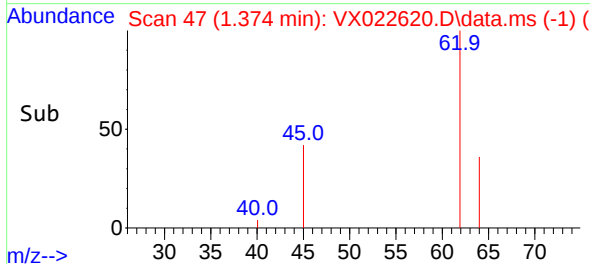
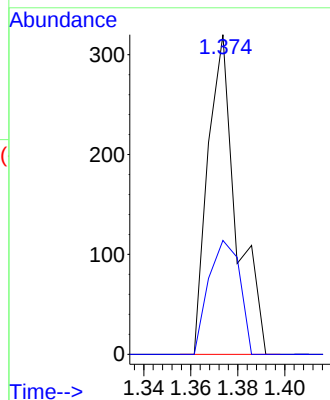
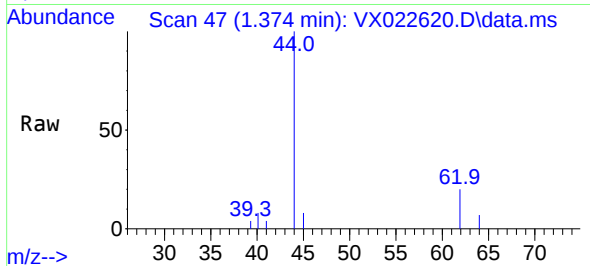
Abundance Scan 47 (1.374 min): VX022528.D\data.ms (-42)



#4
Vinyl Chloride
Concen: 0.36 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX022620.D
Acq: 09 Jun 2021 17:40

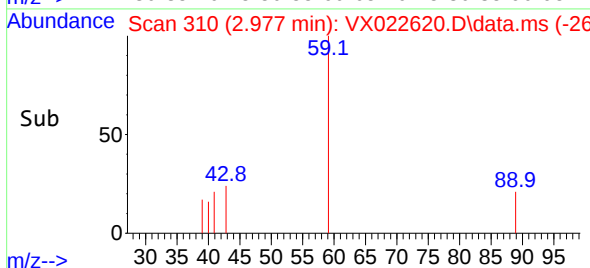
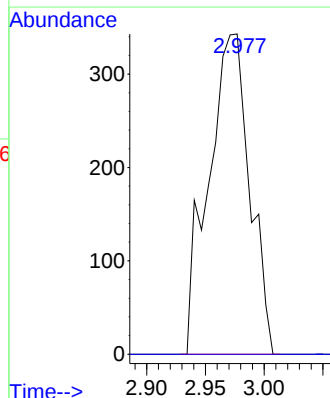
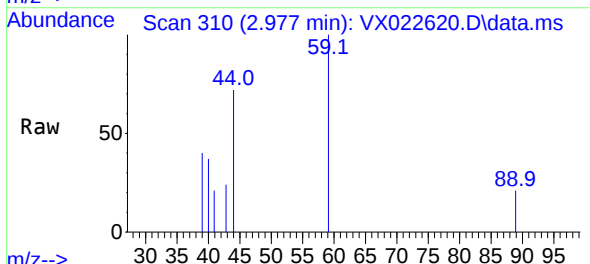
Instrument :
MSVOA_X
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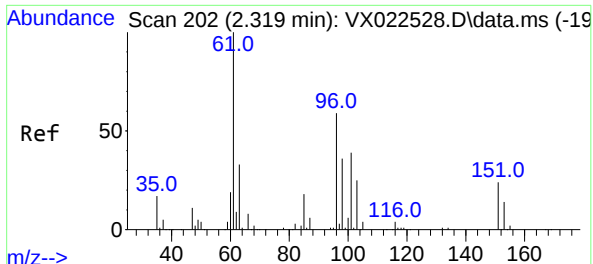
Tgt Ion: 62 Resp: 268
Ion Ratio Lower Upper
62 100
64 35.6 25.7 38.5



#11
Tert butyl alcohol
Concen: 3.85 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX022620.D
Acq: 09 Jun 2021 17:40

Tgt Ion: 59 Resp: 840
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.52 ug/l

RT: 2.325 min Scan# 203

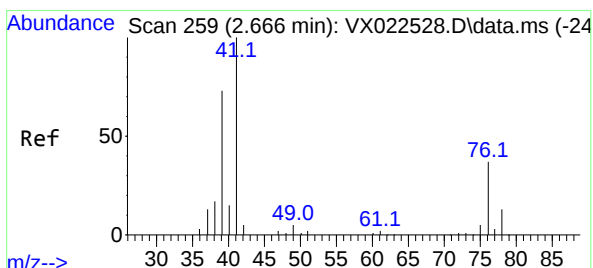
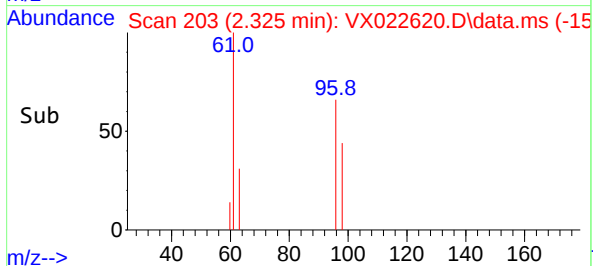
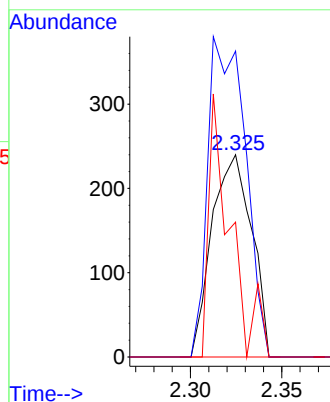
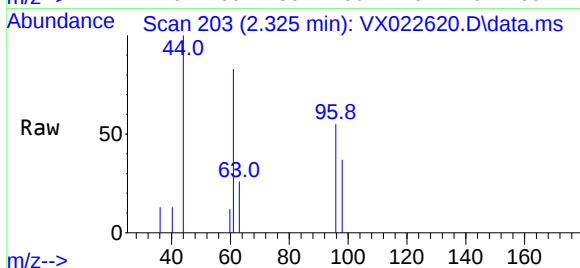
Delta R.T. 0.006 min

Lab File: VX022620.D

Acq: 09 Jun 2021 17:40

Tgt Ion: 96 Resp: 362

Ion	Ratio	Lower	Upper
96	100		
61	151.3	124.6	187.0
98	66.7	50.6	76.0



#14

Allyl chloride

Concen: 0.58 ug/l

RT: 2.556 min Scan# 241

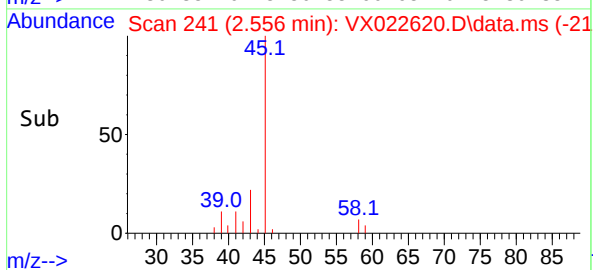
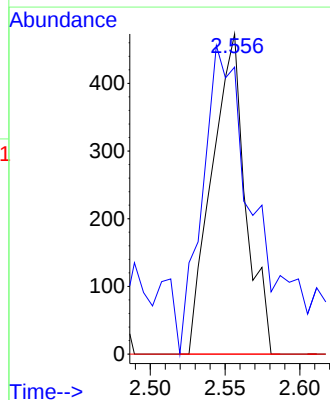
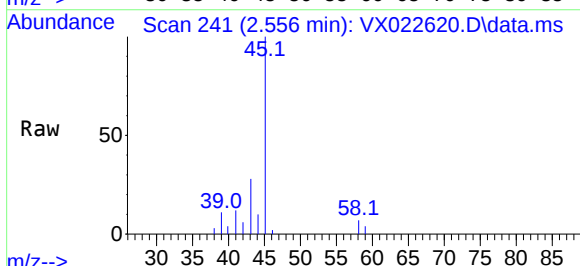
Delta R.T. -0.110 min

Lab File: VX022620.D

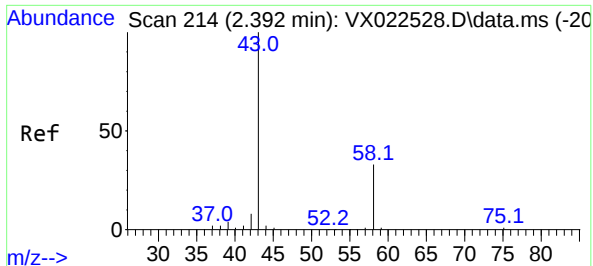
Acq: 09 Jun 2021 17:40

Tgt Ion: 41 Resp: 742

Ion	Ratio	Lower	Upper
41	100		
39	149.5	51.6	77.4#
76	0.0	30.5	45.7#



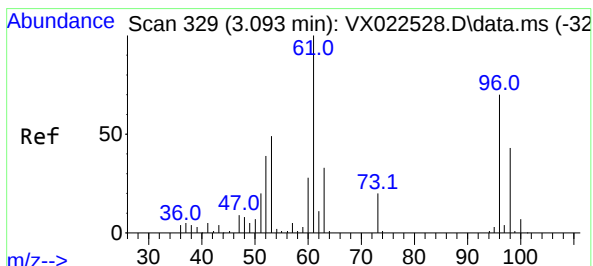
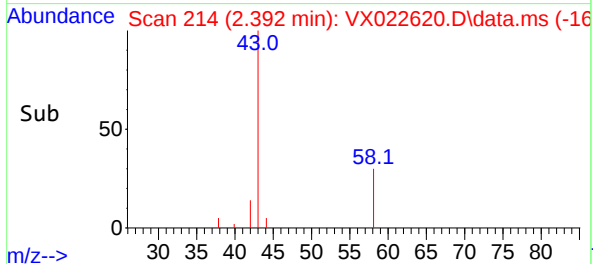
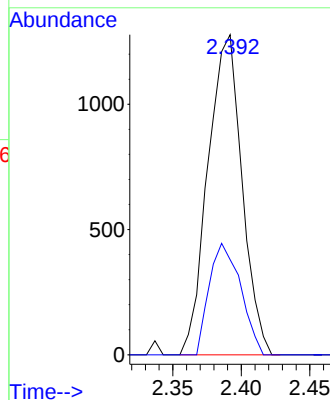
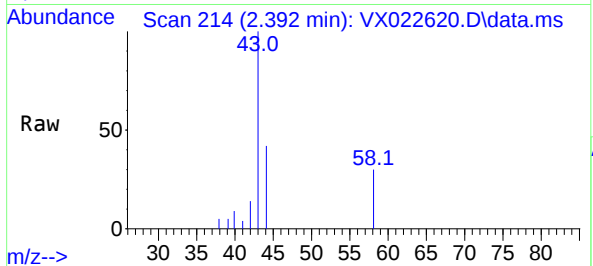
Instrument :
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ClientSampleId :
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#16
Acetone
Concen: 5.07 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX022620.D
Acq: 09 Jun 2021 17:40

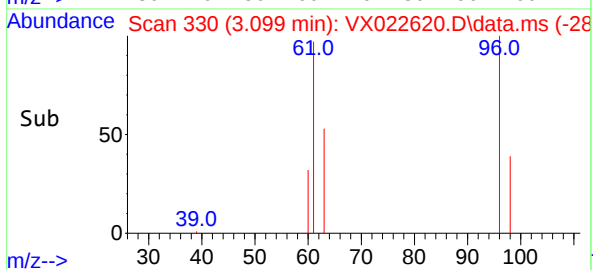
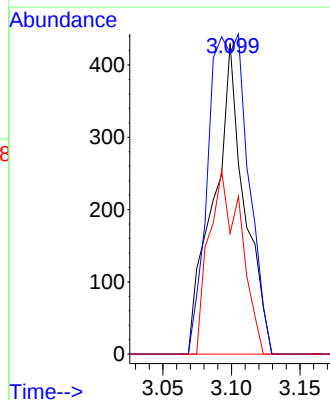
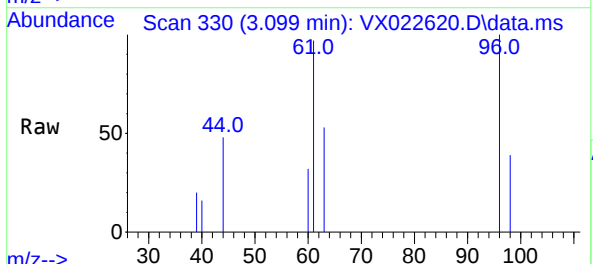
Instrument :
MSVOA_X
ClientSampleId :
60BR-20210608

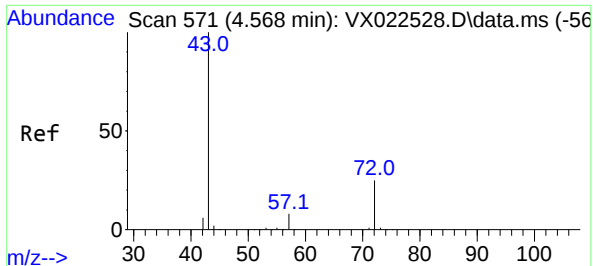
Tgt Ion: 43 Resp: 2214
Ion Ratio Lower Upper
43 100
58 29.7 27.8 41.8



#21
trans-1,2-Dichloroethene
Concen: 0.86 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX022620.D
Acq: 09 Jun 2021 17:40

Tgt Ion: 96 Resp: 669
Ion Ratio Lower Upper
96 100
61 97.0 107.7 161.5#
98 38.8 50.4 75.6#





#25

2-Butanone

Concen: 0.22 ug/l

RT: 4.586 min Scan# 574

Delta R.T. 0.018 min

Lab File: VX022620.D

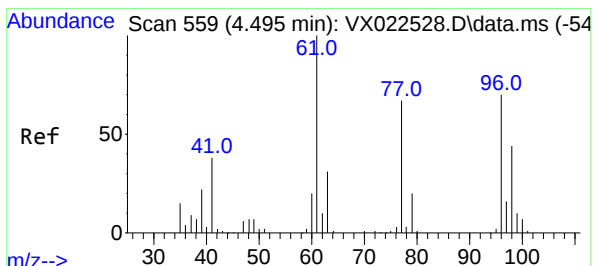
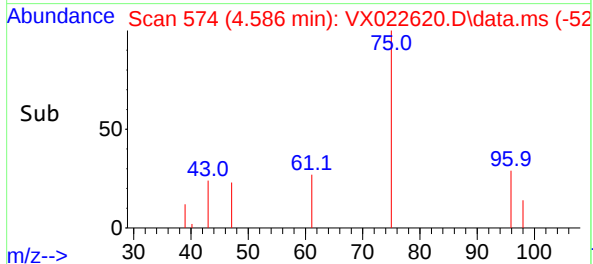
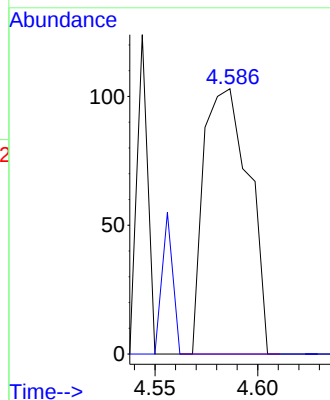
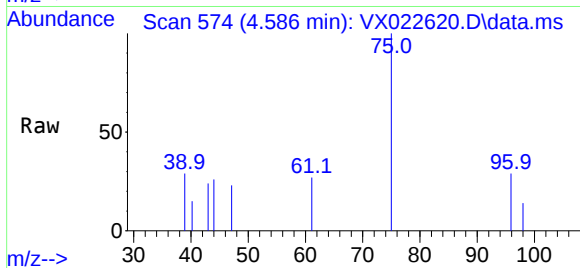
Acq: 09 Jun 2021 17:40

Tgt Ion: 43 Resp: 157

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#27

cis-1,2-Dichloroethene

Concen: 84.36 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX022620.D

Acq: 09 Jun 2021 17:40

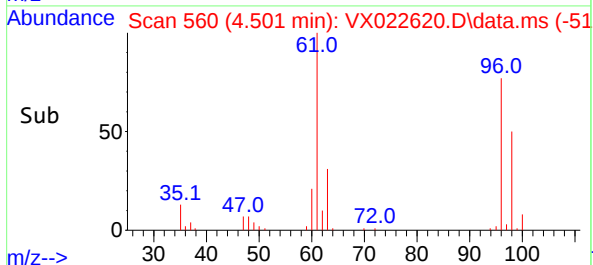
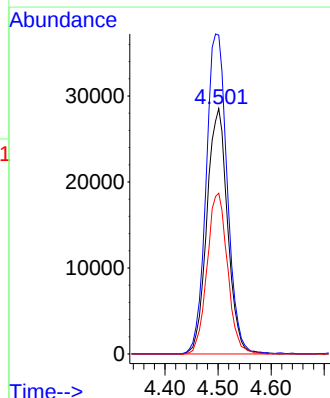
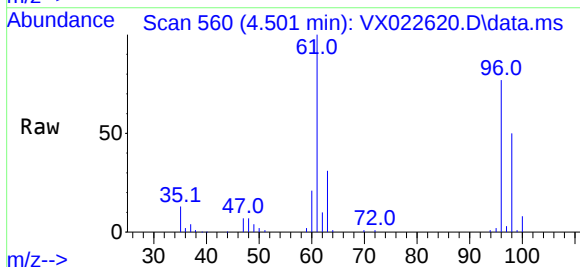
Tgt Ion: 96 Resp: 77308

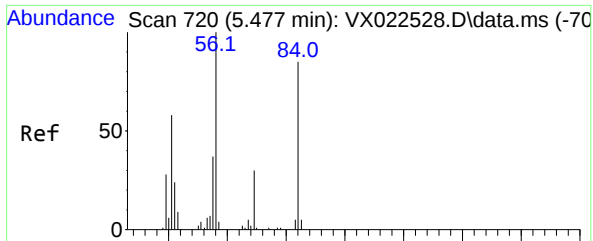
Ion Ratio Lower Upper

96 100

61 132.7 0.0 285.6

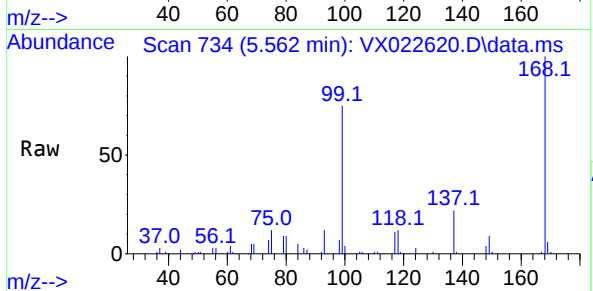
98 64.7 0.0 129.6



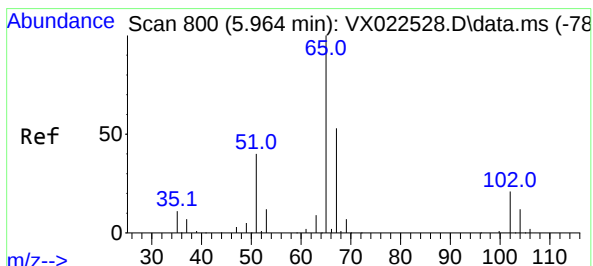
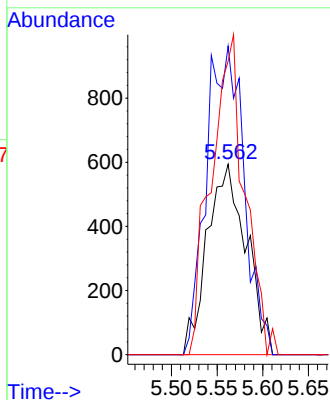
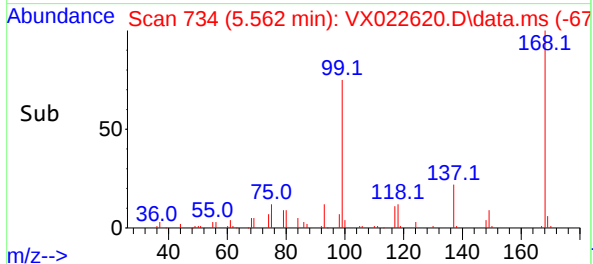


#31
Cyclohexane
Concen: 1.53 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX022620.D
Acq: 09 Jun 2021 17:40

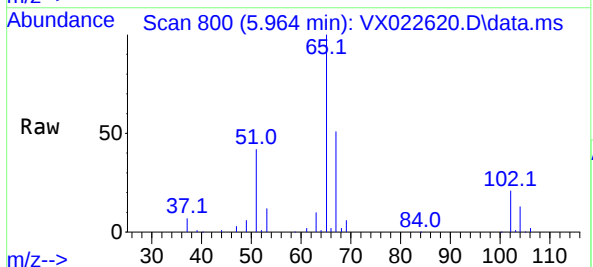
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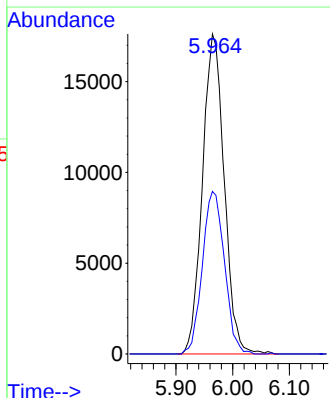
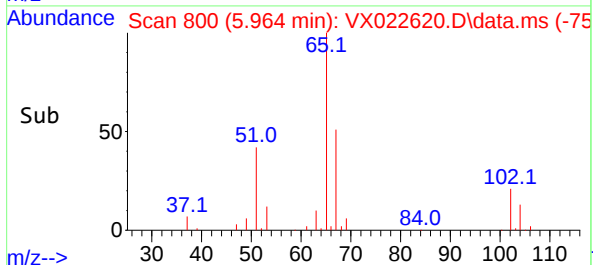
Tgt Ion: 56 Resp: 1761
Ion Ratio Lower Upper
56 100
69 162.0 25.3 37.9#
84 154.0 71.4 107.0#

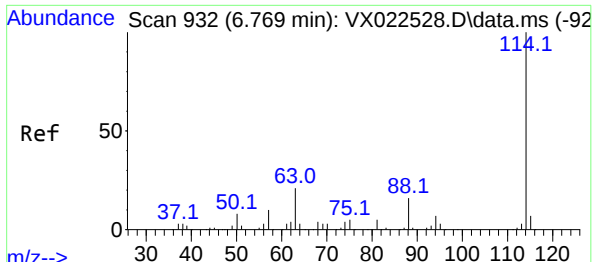


#33
1,2-Dichloroethane-d4
Concen: 48.29 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022620.D
Acq: 09 Jun 2021 17:40



Tgt Ion: 65 Resp: 46918
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.4

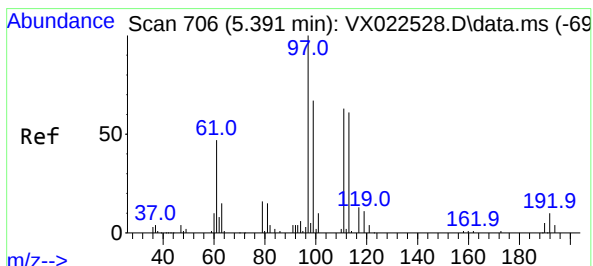
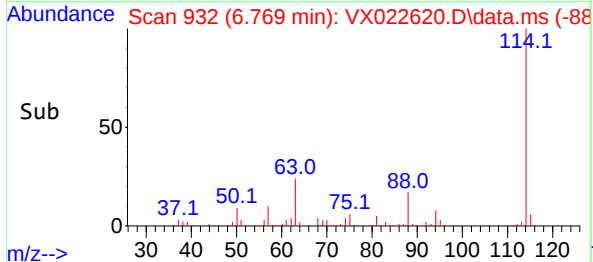
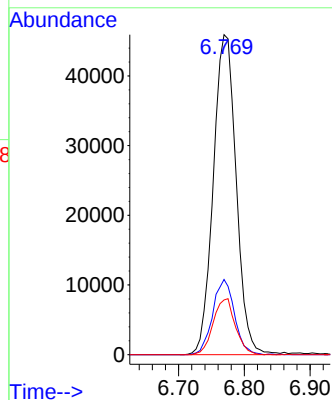
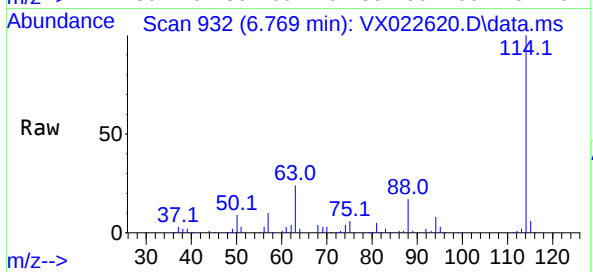




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022620.D
Acq: 09 Jun 2021 17:40

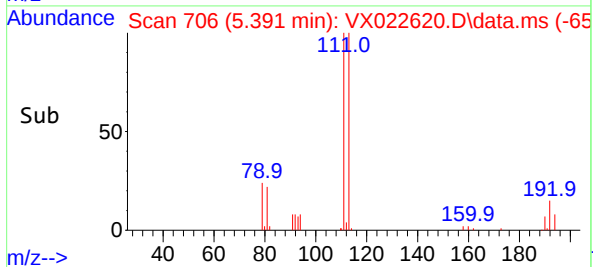
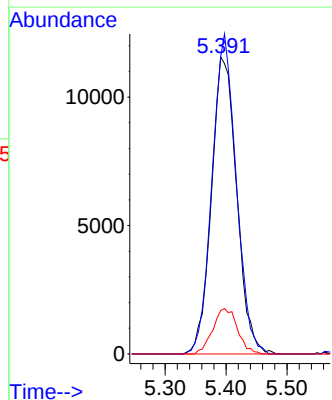
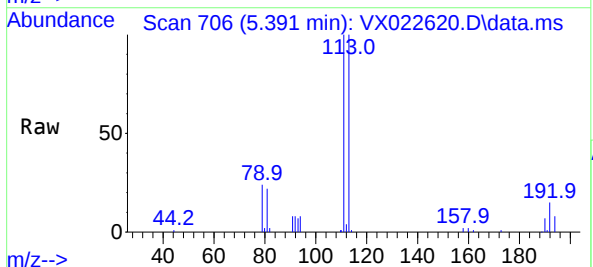
Instrument :
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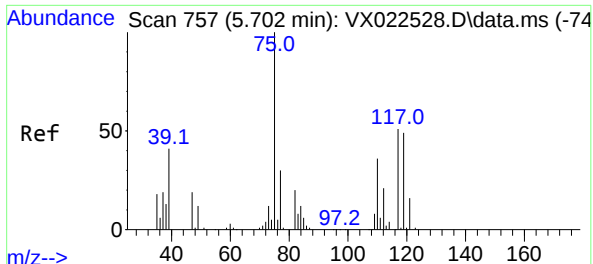
Tgt Ion:114 Resp: 111340
Ion Ratio Lower Upper
114 100
63 23.5 0.0 40.8
88 17.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.76 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX022620.D
Acq: 09 Jun 2021 17:40

Tgt Ion:113 Resp: 33271
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 15.0 16.7 25.1#

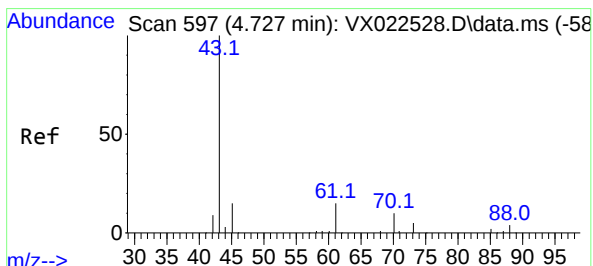
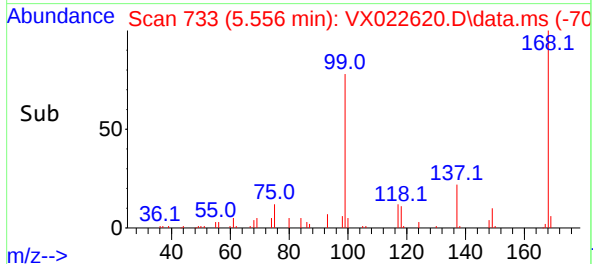
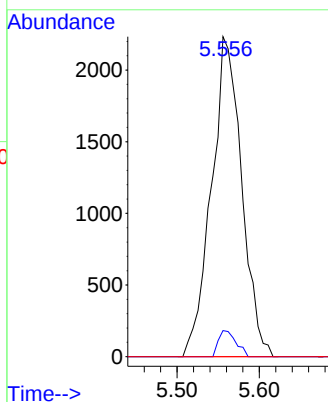
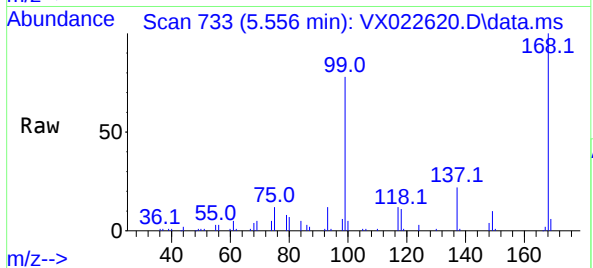




#36
1,1-Dichloropropene
Concen: 5.29 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX022620.D
Acq: 09 Jun 2021 17:40

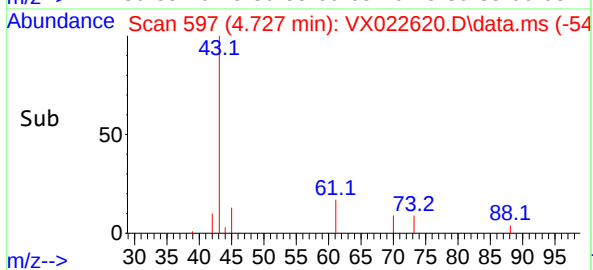
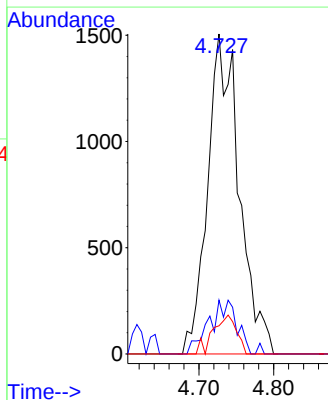
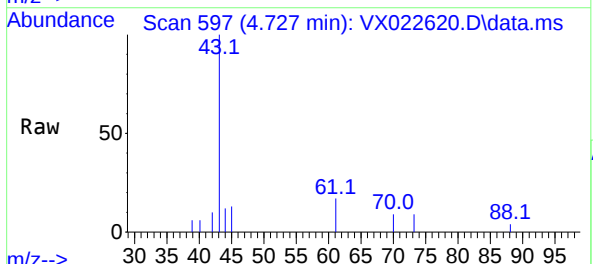
Instrument :
MSVOA_X
ClientSampleId :
60BR-20210608

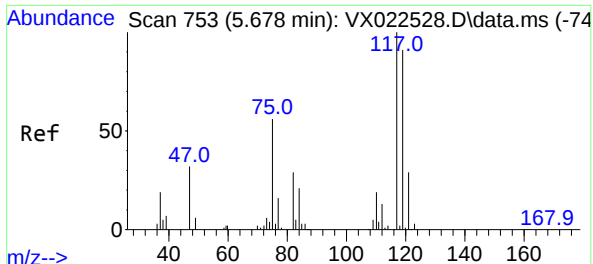
Tgt Ion: 75 Resp: 5702
Ion Ratio Lower Upper
75 100
110 4.7 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 3.19 ug/l
RT: 4.727 min Scan# 597
Delta R.T. -0.000 min
Lab File: VX022620.D
Acq: 09 Jun 2021 17:40

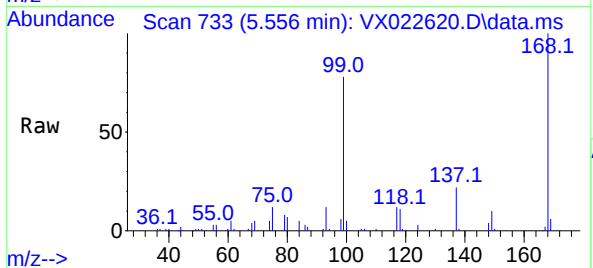
Tgt Ion: 43 Resp: 4412
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 9.0 10.5 15.7#



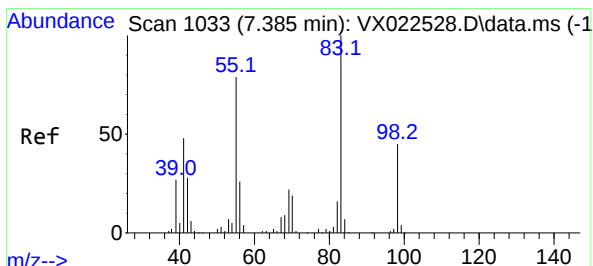
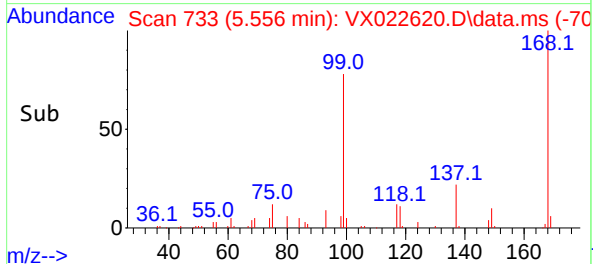
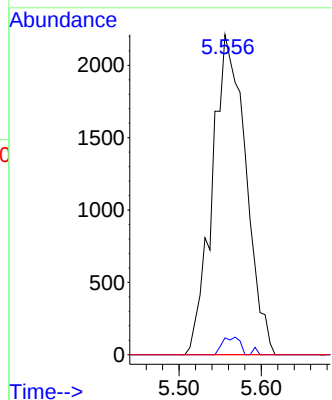


#38
Carbon Tetrachloride
Concen: 8.09 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX022620.D
Acq: 09 Jun 2021 17:40

Instrument :
MSVOA_X
ClientSampleId :
60BR-20210608

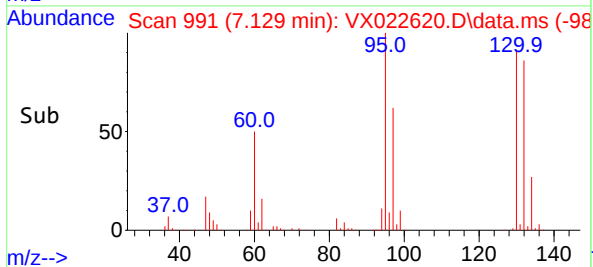
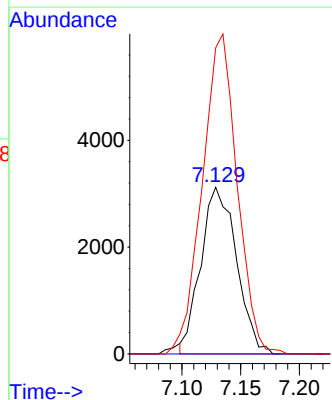
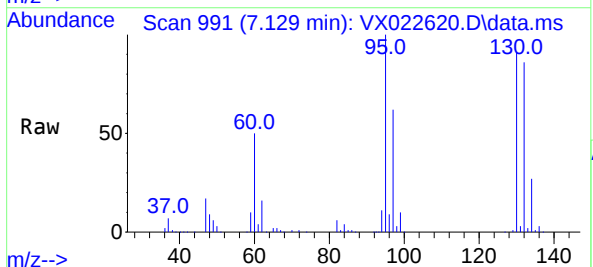


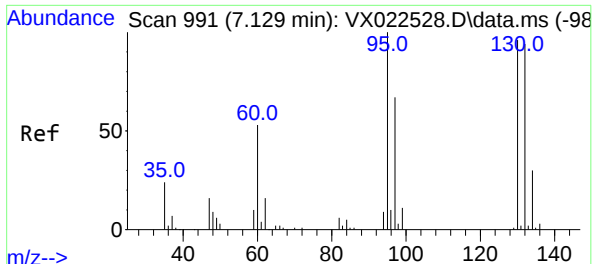
Tgt Ion:117 Resp: 6267
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 7.11 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX022620.D
Acq: 09 Jun 2021 17:40

Tgt Ion: 83 Resp: 6589
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 181.7 38.1 57.1#

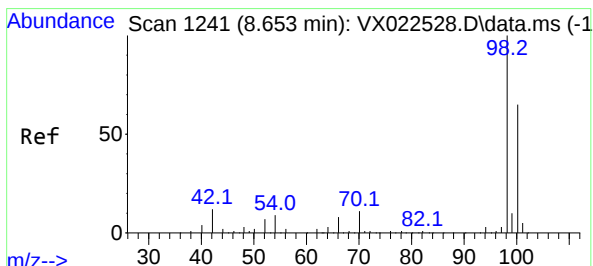
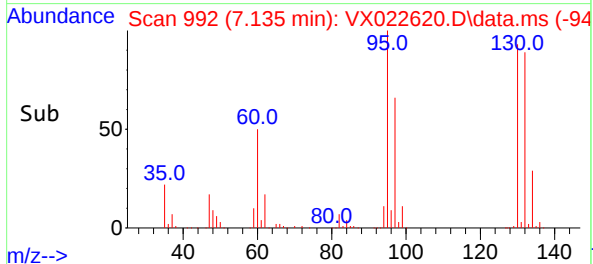
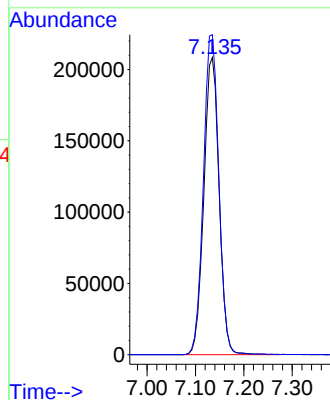
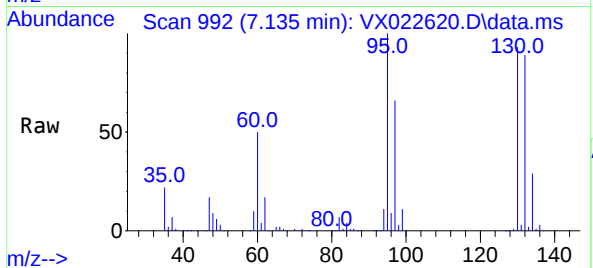




#44
Trichloroethene
Concen: 584.12 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX022620.D
Acq: 09 Jun 2021 17:40

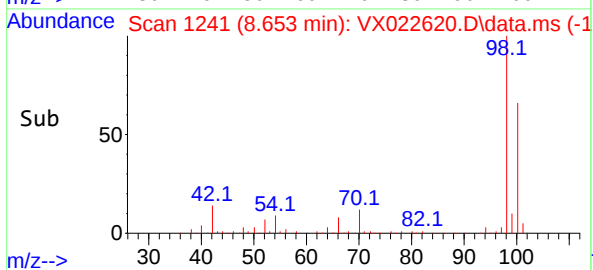
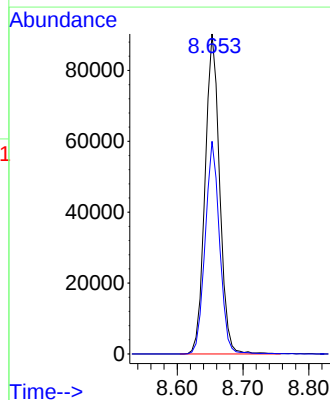
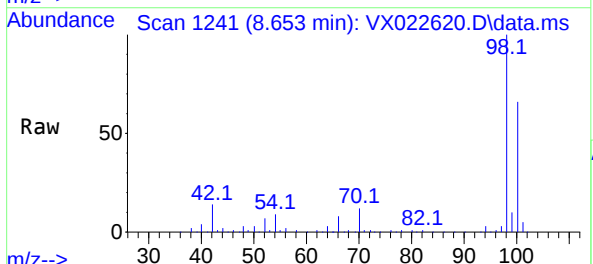
Instrument :
MSVOA_X
ClientSampleId :
60BR-20210608

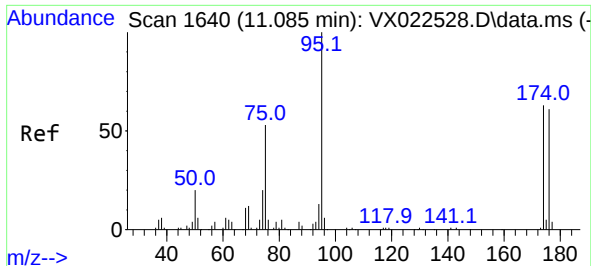
Tgt Ion:130 Resp: 458122
Ion Ratio Lower Upper
130 100
95 107.7 0.0 198.0



#50
Toluene-d8
Concen: 50.01 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022620.D
Acq: 09 Jun 2021 17:40

Tgt Ion: 98 Resp: 139005
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9

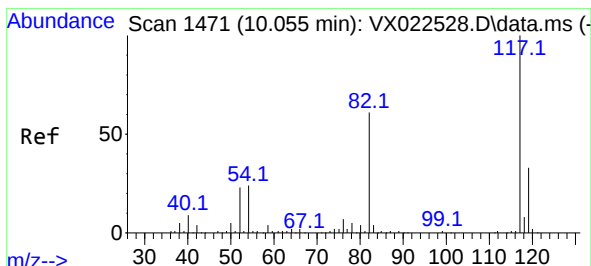
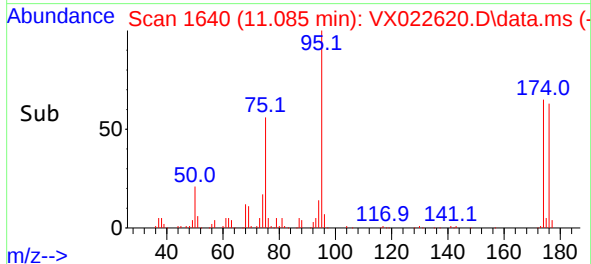
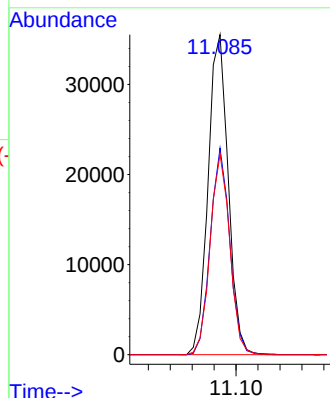
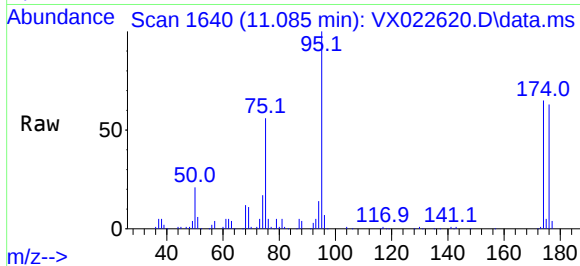




#62
4-Bromofluorobenzene
Concen: 43.76 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022620.D
Acq: 09 Jun 2021 17:40

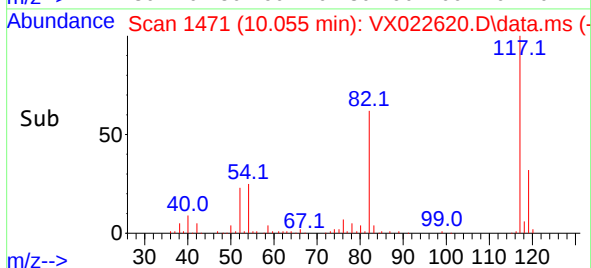
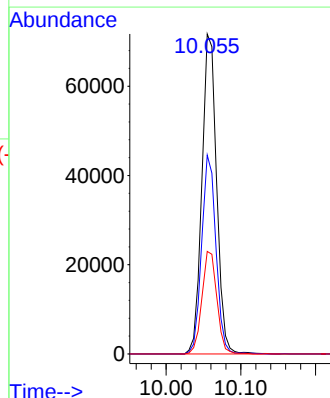
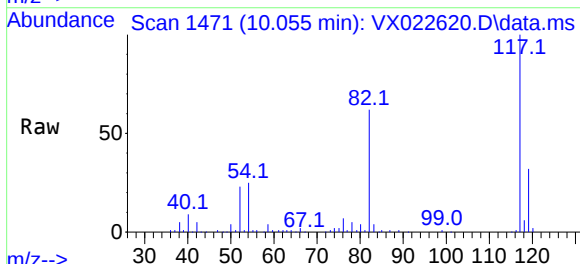
Instrument :
MSVOA_X
ClientSampleId :
60BR-20210608

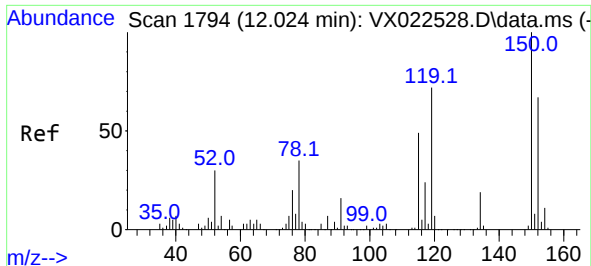
Tgt Ion: 95 Resp: 45208
Ion Ratio Lower Upper
95 100
174 62.6 0.0 154.6
176 61.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022620.D
Acq: 09 Jun 2021 17:40

Tgt Ion: 117 Resp: 97968
Ion Ratio Lower Upper
117 100
82 62.2 47.4 71.2
119 32.0 26.6 39.8

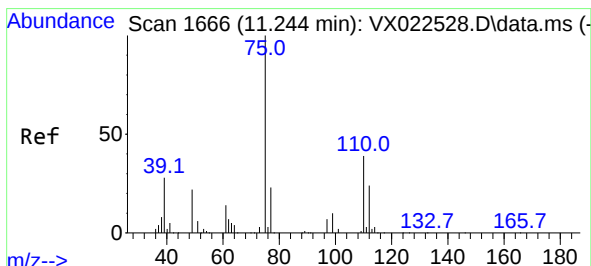
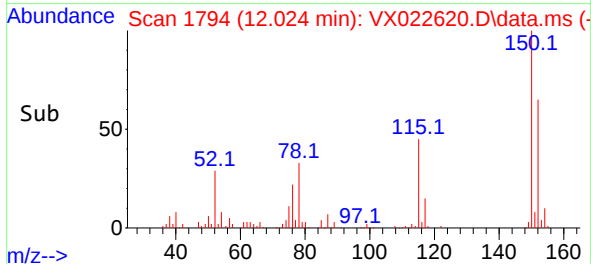
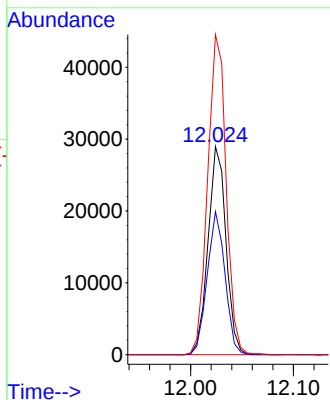
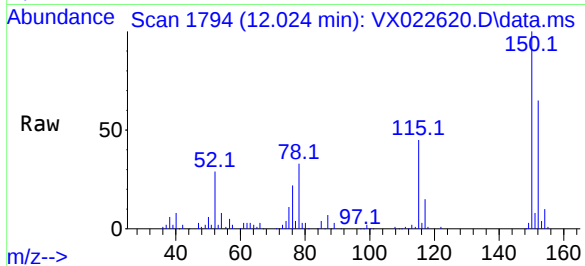




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX022620.D
Acq: 09 Jun 2021 17:40

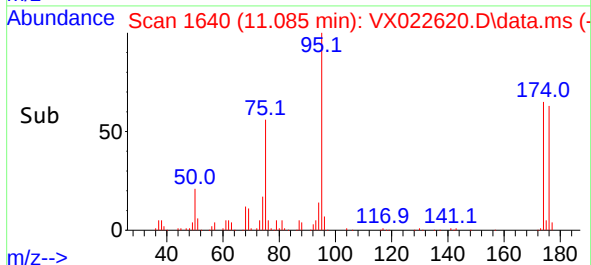
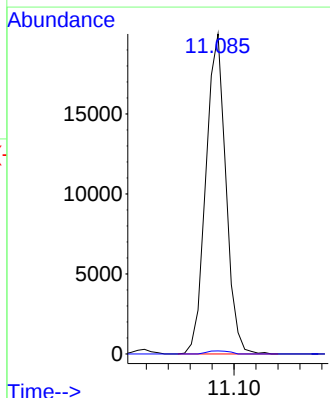
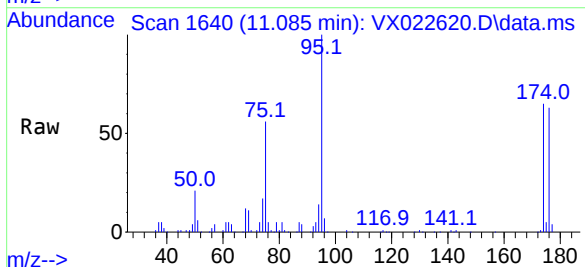
Instrument :
MSVOA_X
ClientSampleId :
60BR-20210608

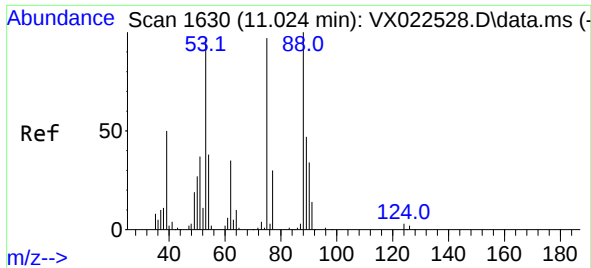
Tgt Ion:152 Resp: 35279
Ion Ratio Lower Upper
152 100
115 68.0 41.1 123.3
150 157.6 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 27.71 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022620.D
Acq: 09 Jun 2021 17:40

Tgt Ion: 75 Resp: 25325
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.94 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX022620.D
 Acq: 09 Jun 2021 17:40

Instrument :
 MSVOA_X
 ClientSampleId :
 60BR-20210608

Tgt Ion: 75 Resp: 25325
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

