

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040422\
 Data File : VX027953.D
 Acq On : 04 Apr 2022 12:59
 Operator : JC/MD
 Sample : N2249-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 05 05:48:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 04:39:27 2022
 Response via : Initial Calibration

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

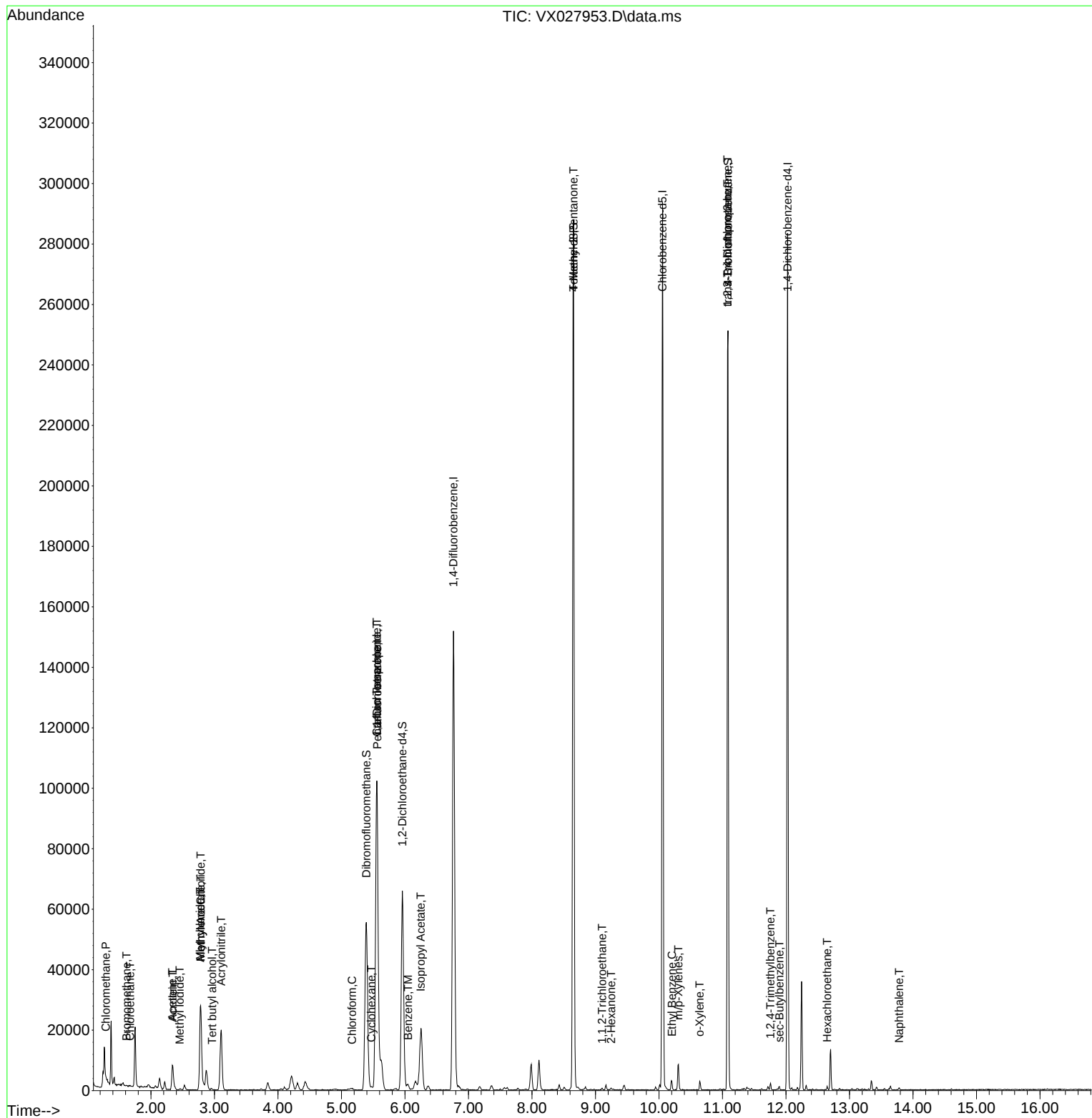
Internal Standards						
1) Pentafluorobenzene	5.562	168	93710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	148913	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	119348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	50585	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65336	54.036	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.080%	
35) Dibromofluoromethane	5.391	113	48960	50.936	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.880%	
50) Toluene-d8	8.653	98	164963	48.778	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 97.560%	
62) 4-Bromofluorobenzene	11.085	95	67655	47.074	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 94.140%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	228	0.304	ug/l #	42
5) Bromomethane	1.618	94	116	0.334	ug/l #	3
6) Chloroethane	1.673	64	110	0.212	ug/l #	43
10) Methyl Iodide	2.453	142	381	0.374	ug/l #	78
11) Tert butyl alcohol	2.965	59	417	1.795	ug/l #	72
13) Acrolein	2.343	56	1232	7.082	ug/l #	73
14) Allyl chloride	2.776	41	8715	5.896	ug/l #	63
15) Acrylonitrile	3.105	53	545	0.999	ug/l #	32
16) Acetone	2.337	43	3806	7.113	ug/l #	49
18) Methyl Acetate	2.782	43	20888	15.835	ug/l #	46
20) Methylene Chloride	2.782	84	215	0.223	ug/l #	1
30) Chloroform	5.166	83	384	0.207	ug/l #	17
31) Cyclohexane	5.471	56	695	0.520	ug/l #	55
36) 1,1-Dichloropropene	5.556	75	7575	6.257	ug/l #	50
38) Carbon Tetrachloride	5.556	117	10029	7.498	ug/l #	15
40) Benzene	6.050	78	2389	0.651	ug/l	93
43) Isopropyl Acetate	6.245	43	5015	2.086	ug/l #	56
51) 4-Methyl-2-Pentanone	8.653	43	905	0.543	ug/l #	1
55) 1,1,2-Trichloroethane	9.104	97	297	0.290	ug/l #	16
59) 2-Hexanone	9.244	43	440	0.343	ug/l	60
67) Ethyl Benzene	10.201	91	2053	0.481	ug/l #	86
68) m/p-Xylenes	10.305	106	1814	1.156	ug/l	74
69) o-Xylene	10.640	106	633	0.413	ug/l	80
76) 1,2,3-Trichloropropane	11.079	75	39593	33.366	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	39593	96.794	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	1090	0.334	ug/l	94
85) sec-Butylbenzene	11.896	105	804	0.206	ug/l	84
90) Hexachloroethane	12.646	117	554	1.063	ug/l #	10
95) Naphthalene	13.780	128	777	0.218	ug/l #	69

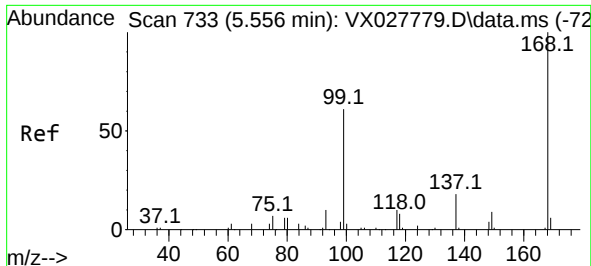
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 30 04:39:27 2022
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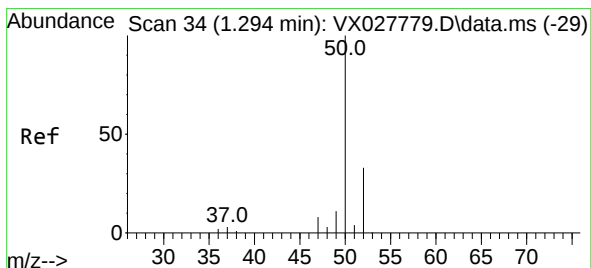
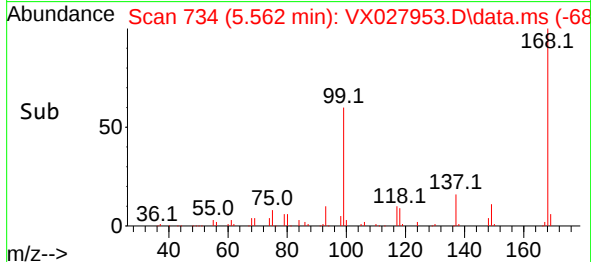
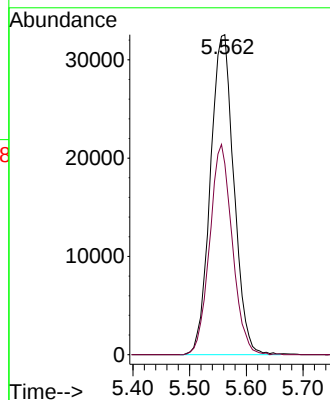
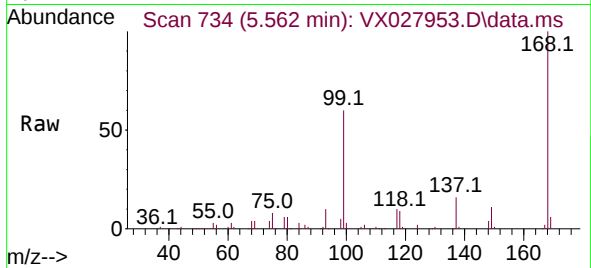




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

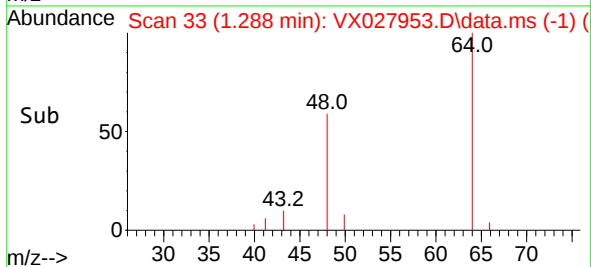
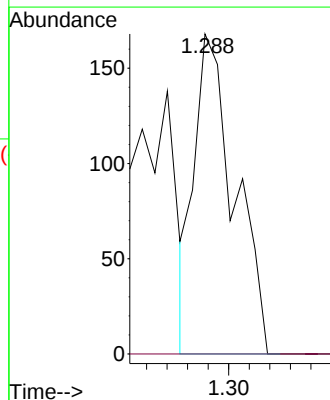
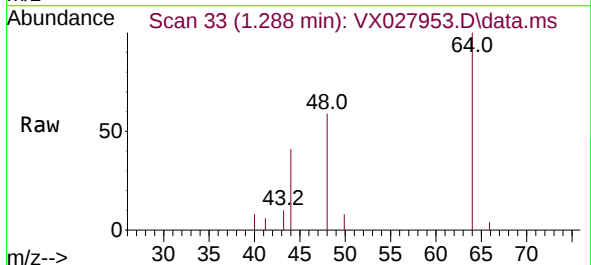
Instrument :
MSVOA_X
ClientSampleId :

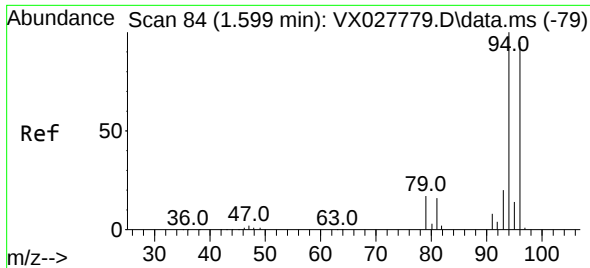
Tgt Ion:168 Resp: 93710
Ion Ratio Lower Upper
168 100
99 59.6 41.7 62.5



#3
Chloromethane
Concen: 0.304 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

Tgt Ion: 50 Resp: 228
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

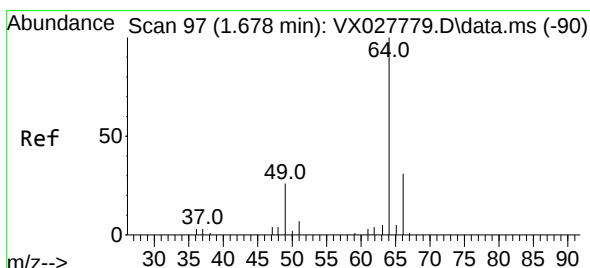
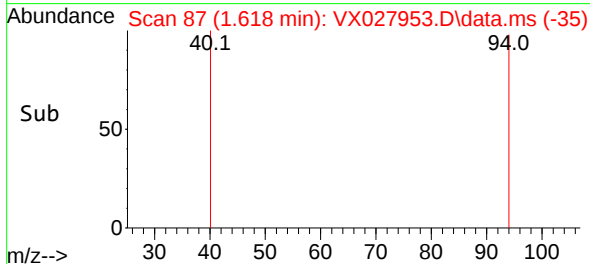
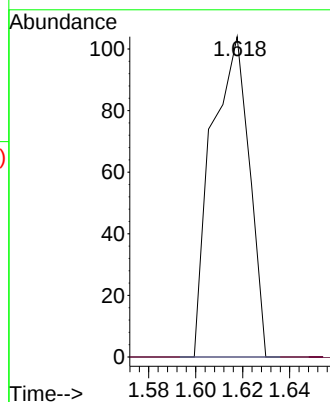
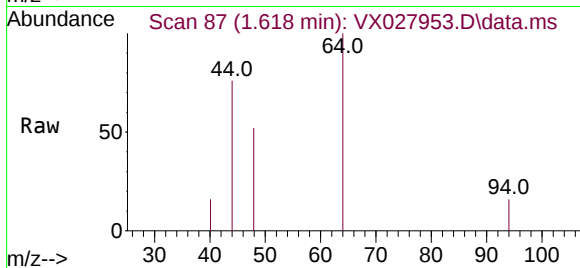




#5
Bromomethane
Concen: 0.334 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

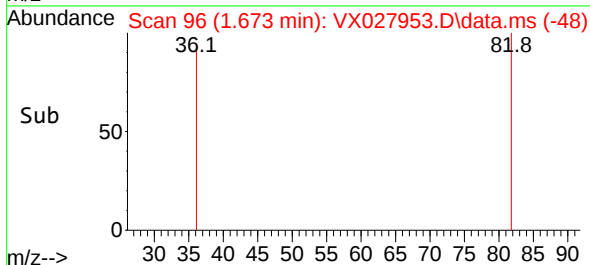
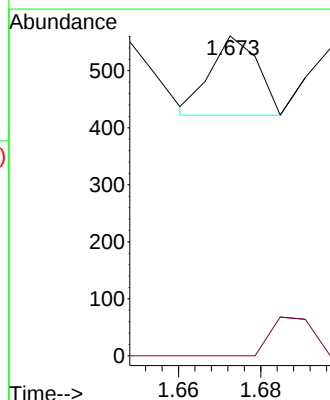
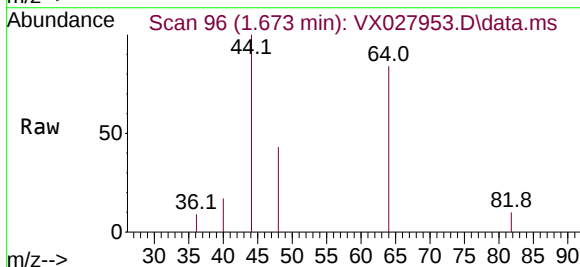
Instrument :
MSVOA_X
ClientSampleId :

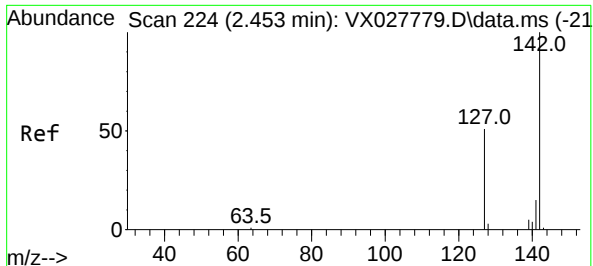
Tgt Ion: 94 Resp: 116
Ion Ratio Lower Upper
94 100
96 0.0 75.3 112.9#



#6
Chloroethane
Concen: 0.212 ug/l
RT: 1.673 min Scan# 96
Delta R.T. -0.005 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

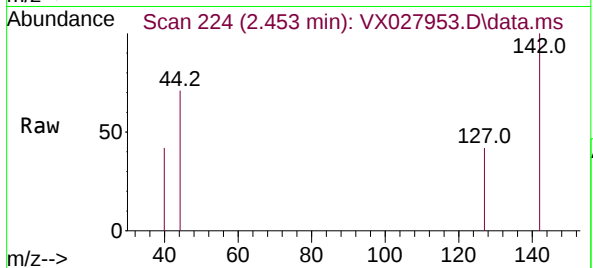
Tgt Ion: 64 Resp: 110
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



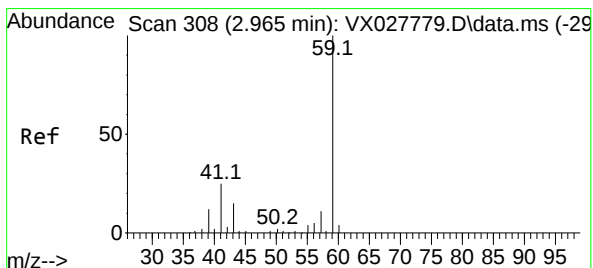
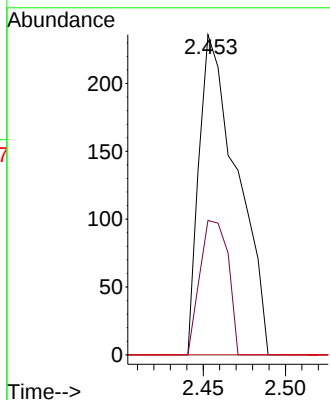
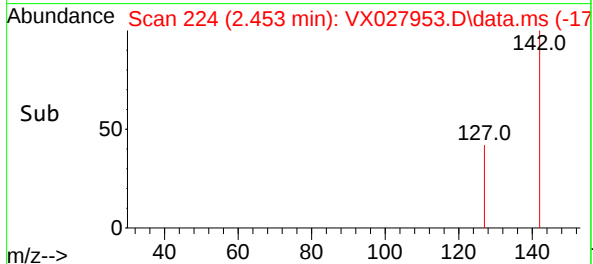


#10
Methyl Iodide
Concen: 0.374 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

Instrument :
MSVOA_X
ClientSampleId :

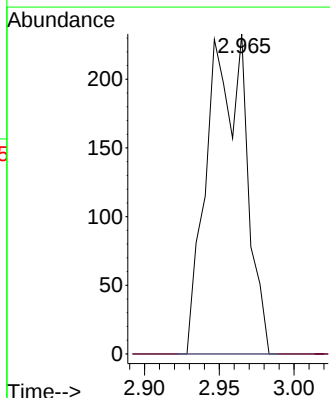
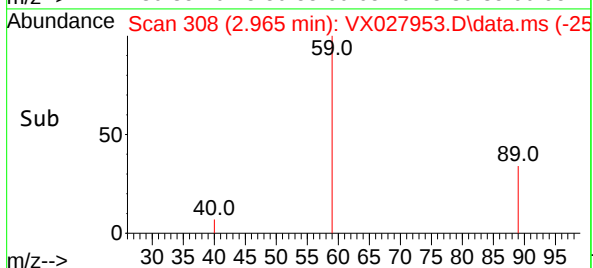
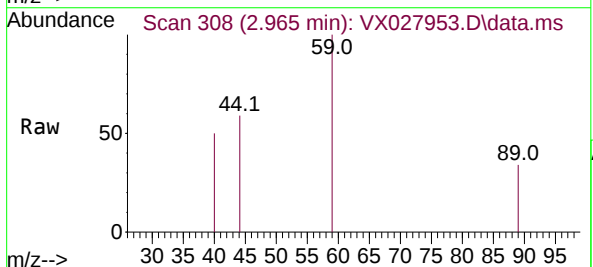


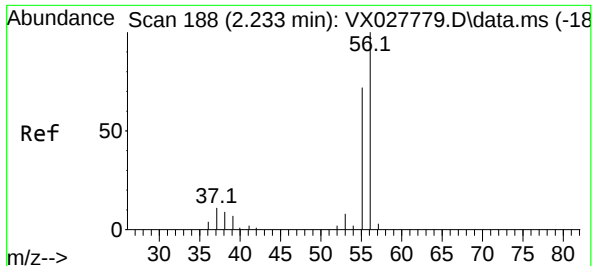
Tgt Ion:142 Resp: 381
Ion Ratio Lower Upper
142 100
127 31.0 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.795 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.000 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

Tgt Ion: 59 Resp: 417
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 7.082 ug/l

RT: 2.343 min Scan# 206

Delta R.T. 0.110 min

Lab File: VX027953.D

Acq: 04 Apr 2022 12:59

Instrument :

MSVOA_X

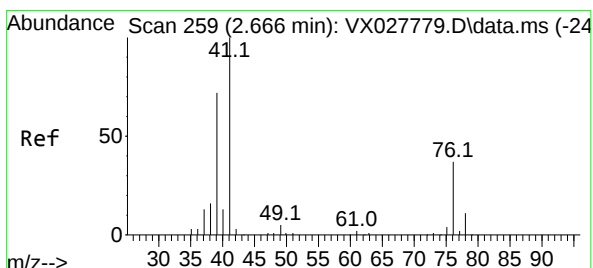
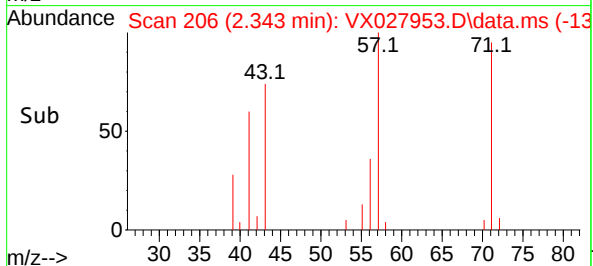
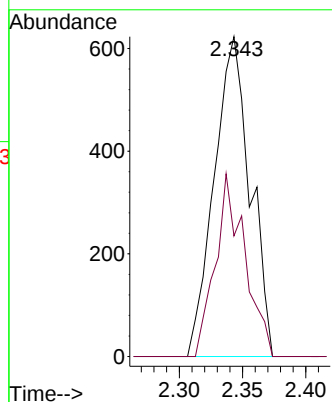
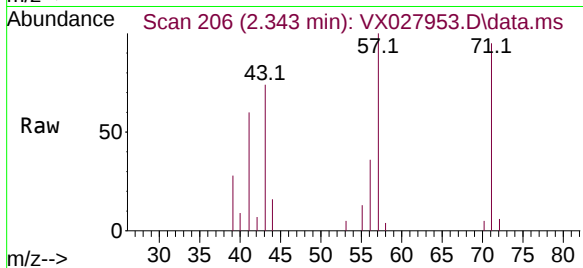
ClientSampleId :

Tgt Ion: 56 Resp: 1232

Ion Ratio Lower Upper

56 100

55 46.7 55.0 82.6#



#14

Allyl chloride

Concen: 5.896 ug/l

RT: 2.776 min Scan# 277

Delta R.T. 0.110 min

Lab File: VX027953.D

Acq: 04 Apr 2022 12:59

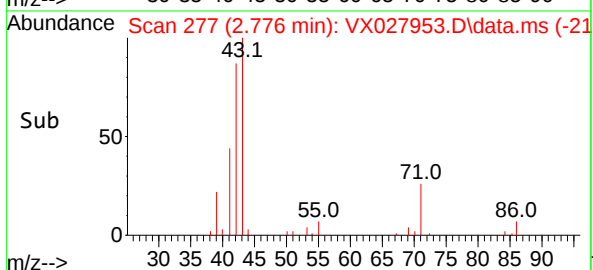
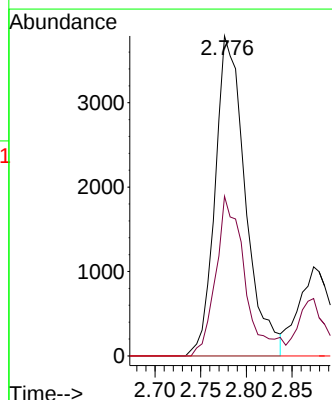
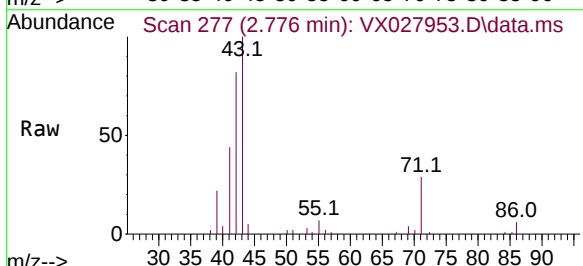
Tgt Ion: 41 Resp: 8715

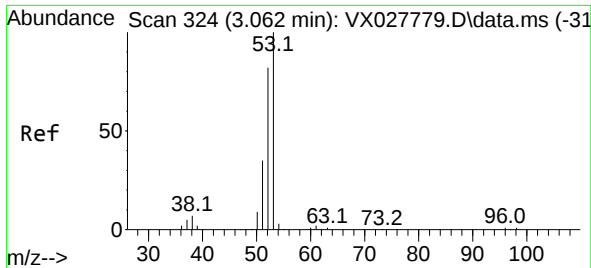
Ion Ratio Lower Upper

41 100

39 48.4 50.4 75.6#

76 0.0 32.7 49.1#





#15

Acrylonitrile

Concen: 0.999 ug/l

RT: 3.105 min Scan# 31

Delta R.T. 0.043 min

Lab File: VX027953.D

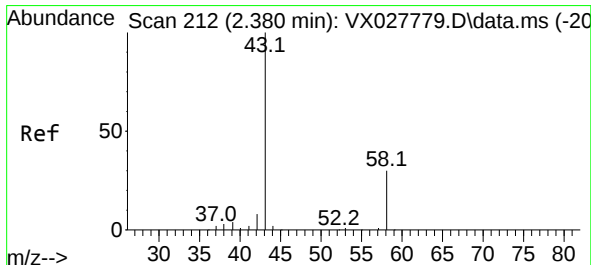
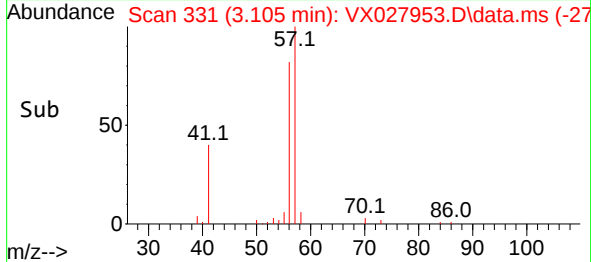
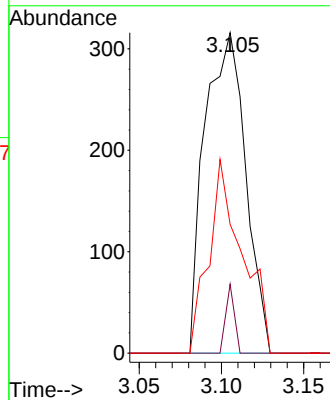
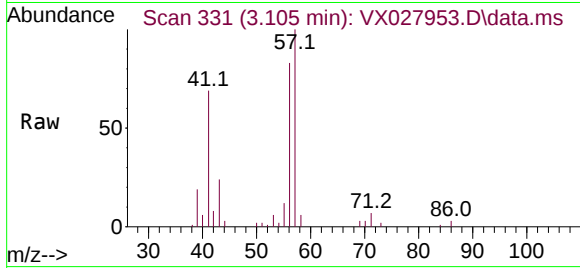
Acq: 04 Apr 2022 12:59

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 53	Resp: 545
Ion Ratio	Lower Upper
53 100	
52 4.6	65.7 98.5#
51 49.5	28.4 42.6#



#16

Acetone

Concen: 7.113 ug/l

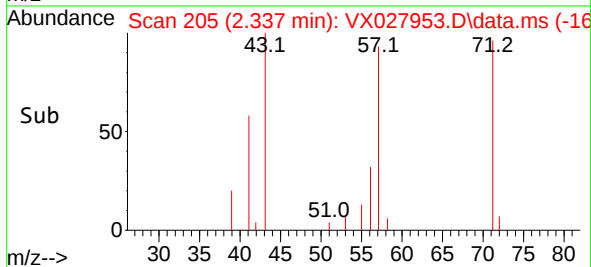
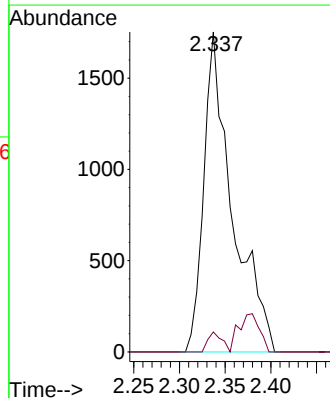
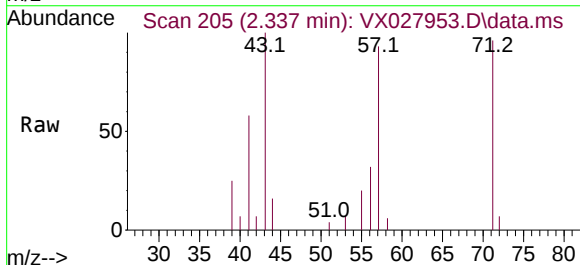
RT: 2.337 min Scan# 205

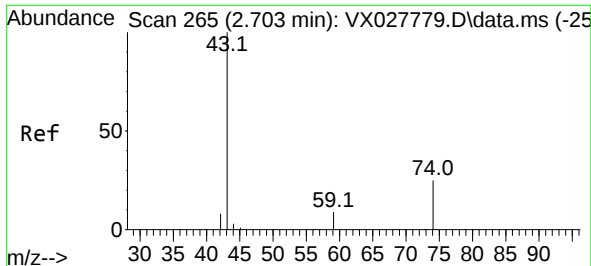
Delta R.T. -0.043 min

Lab File: VX027953.D

Acq: 04 Apr 2022 12:59

Tgt Ion: 43	Resp: 3806
Ion Ratio	Lower Upper
43 100	
58 6.2	28.8 43.2#

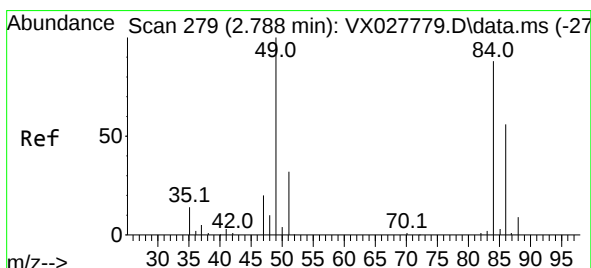
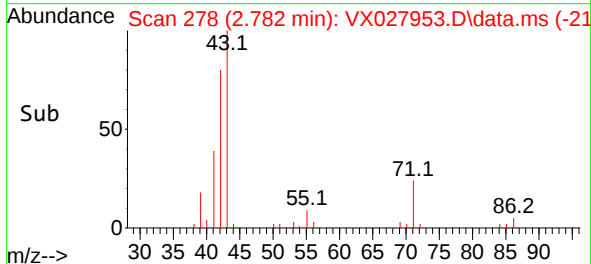
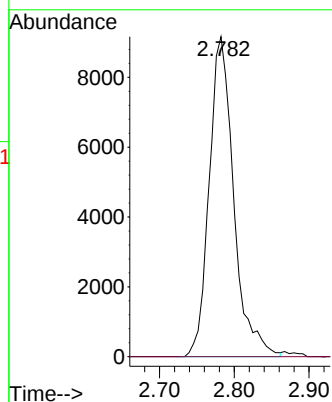
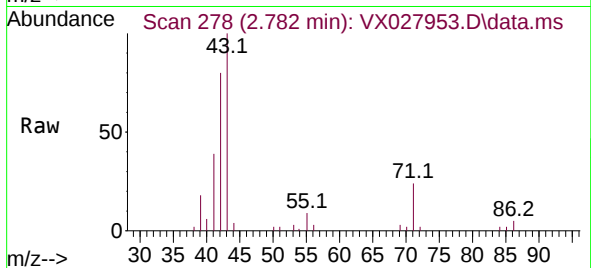




#18
Methyl Acetate
Concen: 15.835 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.079 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

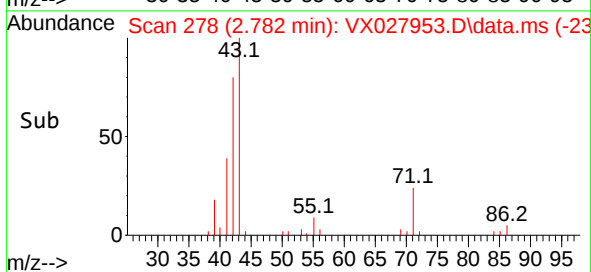
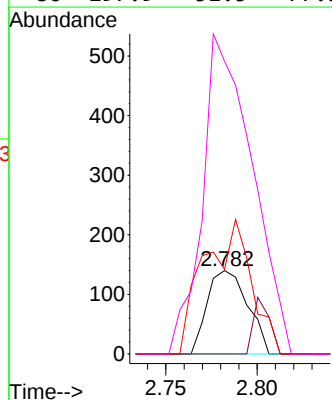
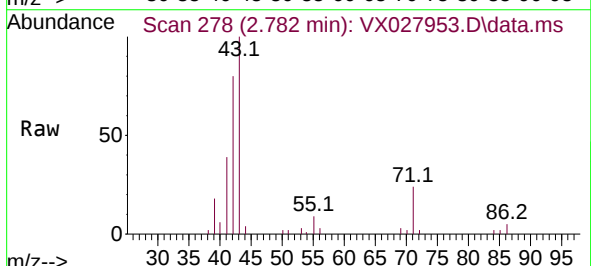
Instrument :
MSVOA_X
ClientSampleId :

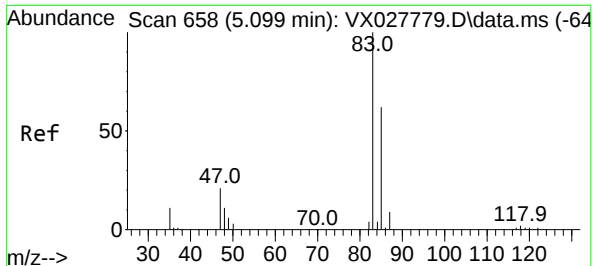
Tgt Ion: 43 Resp: 20888
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#



#20
Methylene Chloride
Concen: 0.223 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

Tgt Ion: 84 Resp: 215
Ion Ratio Lower Upper
84 100
49 0.0 85.5 128.3#
51 101.4 26.6 39.8#
86 297.9 51.5 77.3#





#30

Chloroform

Concen: 0.207 ug/l

RT: 5.166 min Scan# 6

Delta R.T. 0.067 min

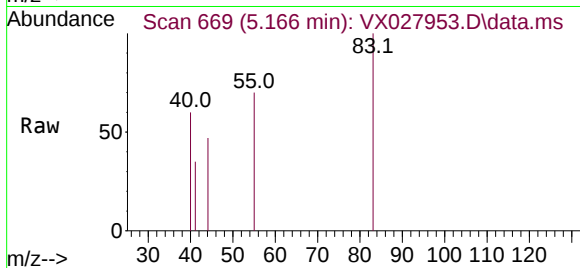
Lab File: VX027953.D

Acq: 04 Apr 2022 12:59

Instrument :

MSVOA_X

ClientSampleId :

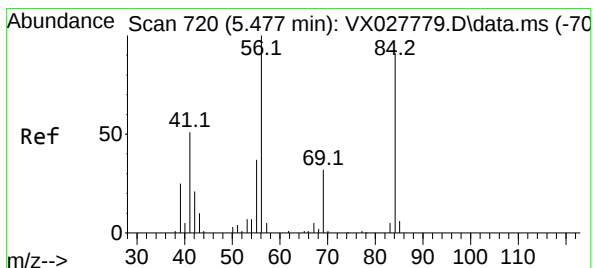
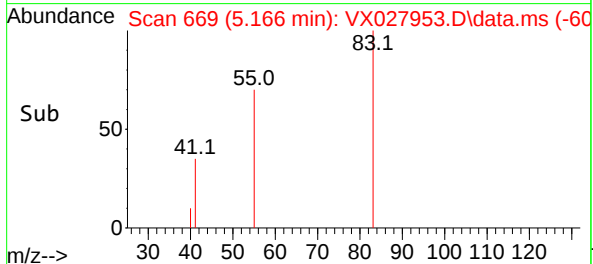
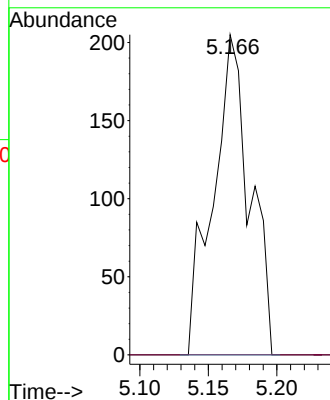


Tgt Ion: 83 Resp: 384

Ion Ratio Lower Upper

83 100

85 0.0 52.7 79.1#



#31

Cyclohexane

Concen: 0.520 ug/l

RT: 5.471 min Scan# 719

Delta R.T. -0.006 min

Lab File: VX027953.D

Acq: 04 Apr 2022 12:59

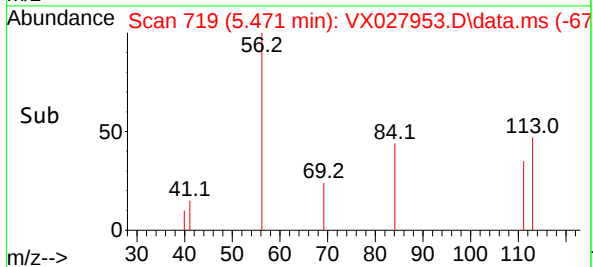
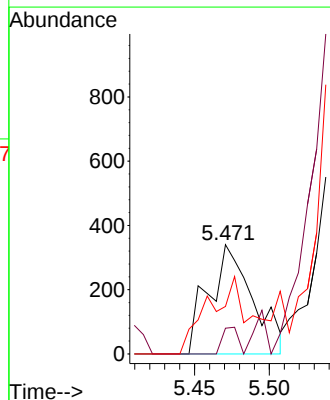
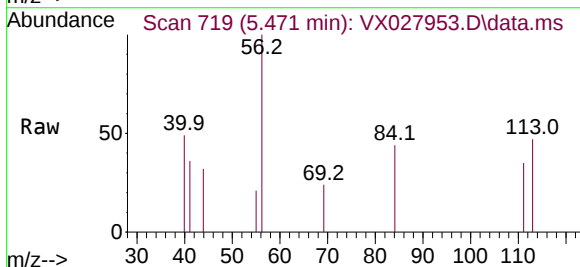
Tgt Ion: 56 Resp: 695

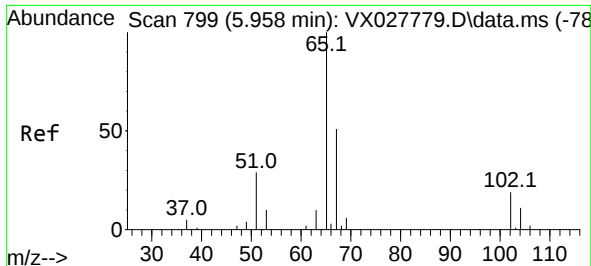
Ion Ratio Lower Upper

56 100

69 23.5 26.7 40.1#

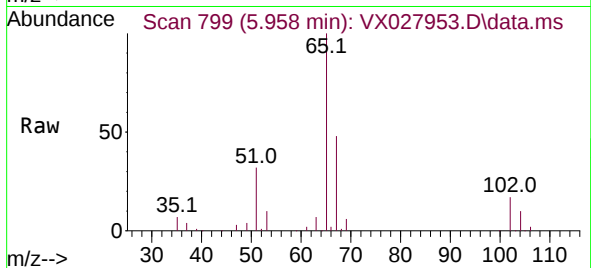
84 43.5 77.2 115.8#



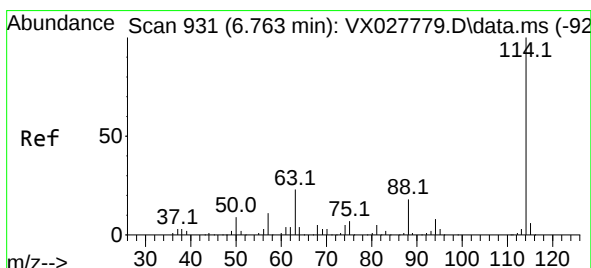
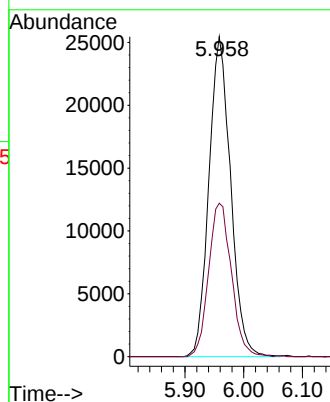
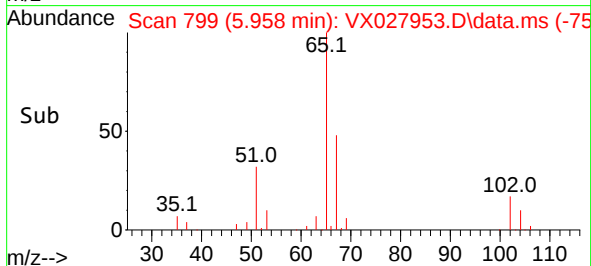


#33
 1,2-Dichloroethane-d4
 Concen: 54.036 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX027953.D
 Acq: 04 Apr 2022 12:59

Instrument :
 MSVOA_X
 ClientSampleId :

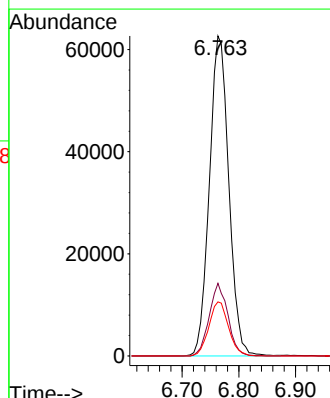
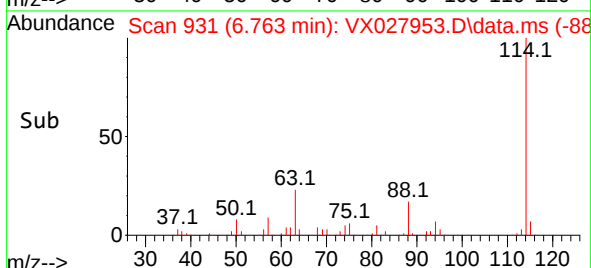
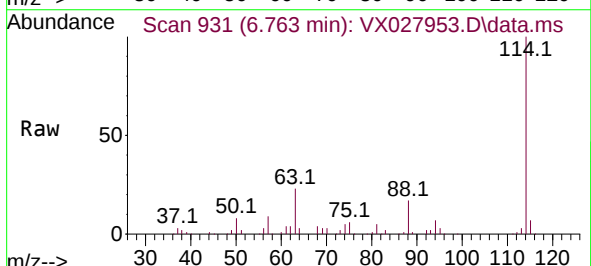


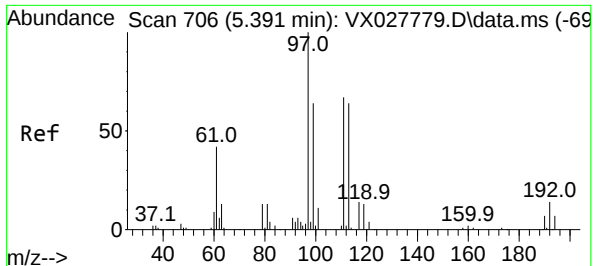
Tgt Ion: 65 Resp: 65336
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX027953.D
 Acq: 04 Apr 2022 12:59

Tgt Ion: 114 Resp: 148913
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 36.8
 88 16.9 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.936 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

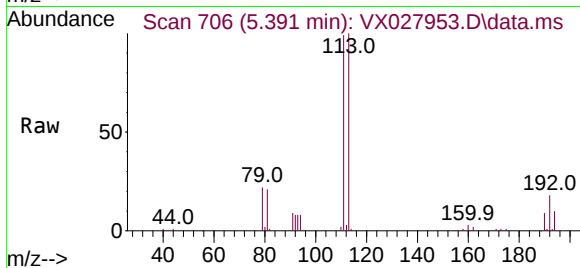
Lab File: VX027953.D

Acq: 04 Apr 2022 12:59

Instrument :

MSVOA_X

ClientSampleId :



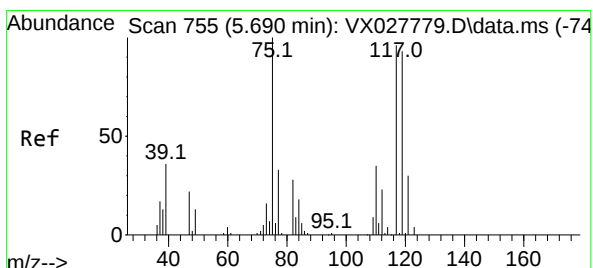
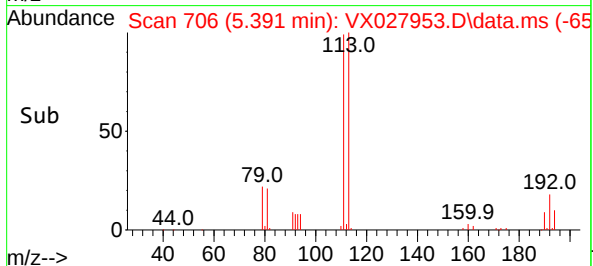
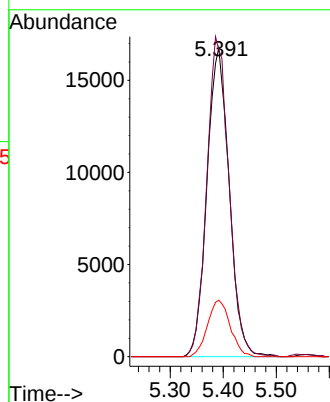
Tgt Ion:113 Resp: 48960

Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

192 18.6 16.9 25.3



#36

1,1-Dichloropropene

Concen: 6.257 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX027953.D

Acq: 04 Apr 2022 12:59

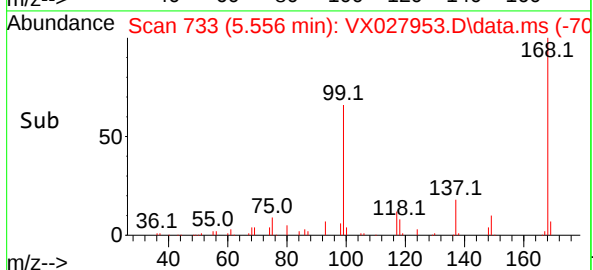
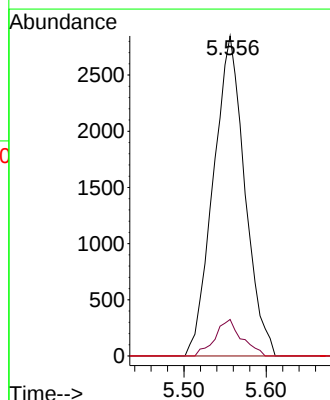
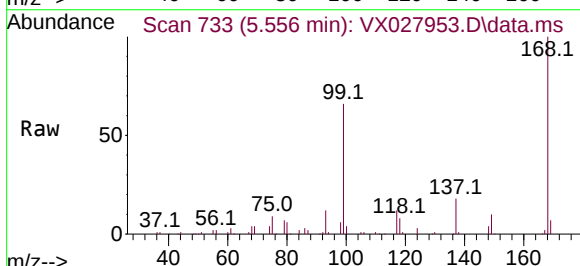
Tgt Ion: 75 Resp: 7575

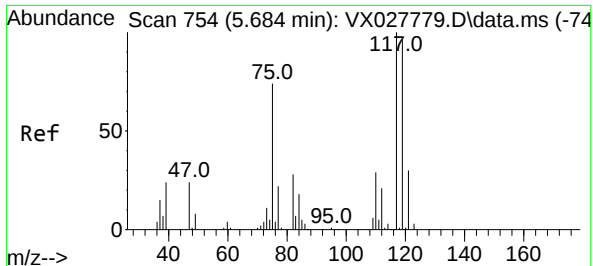
Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

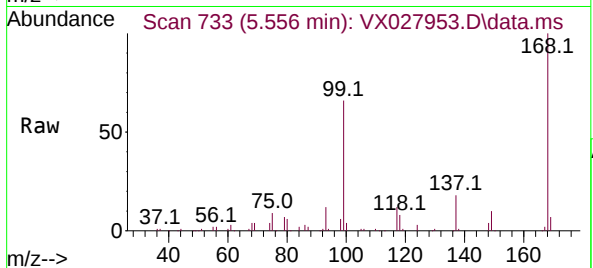
77 0.0 24.8 37.2#



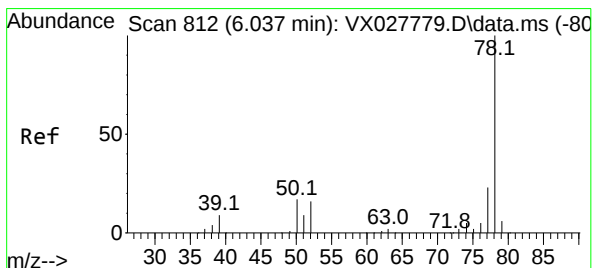
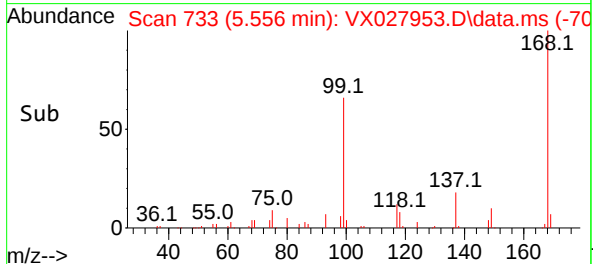
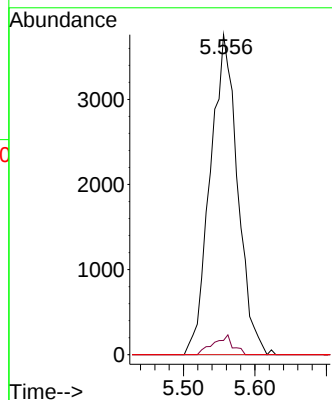


#38
Carbon Tetrachloride
Concen: 7.498 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

Instrument :
MSVOA_X
ClientSampleId :

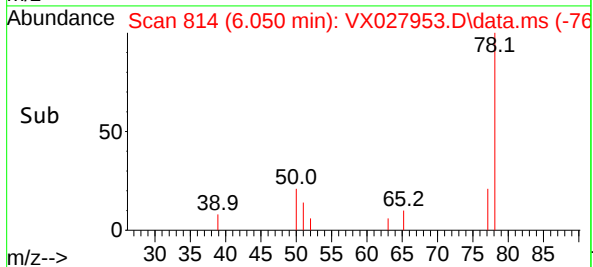
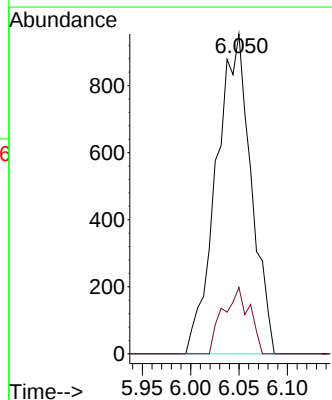
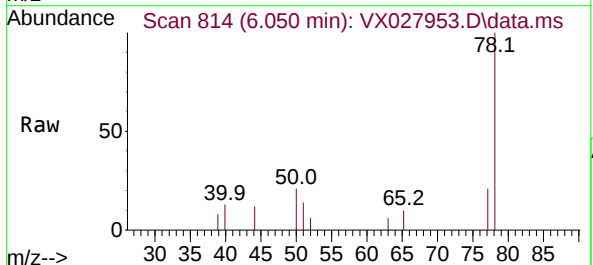


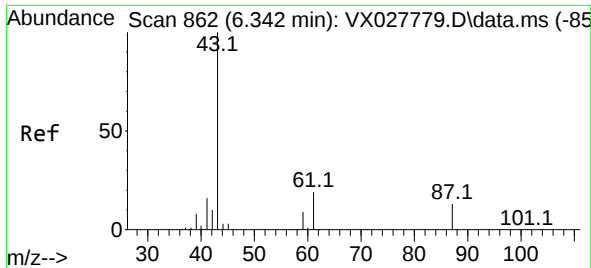
Tgt Ion:117 Resp: 10029
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.651 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.013 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

Tgt Ion: 78 Resp: 2389
Ion Ratio Lower Upper
78 100
77 20.8 19.3 28.9

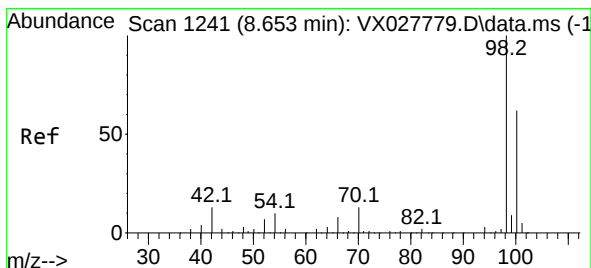
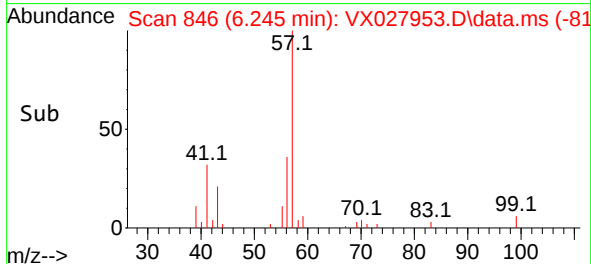
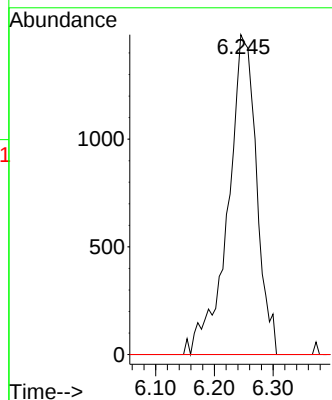
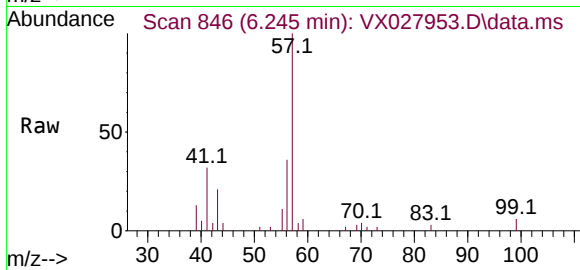




#43
Isopropyl Acetate
Concen: 2.086 ug/l
RT: 6.245 min Scan# 846
Delta R.T. -0.097 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

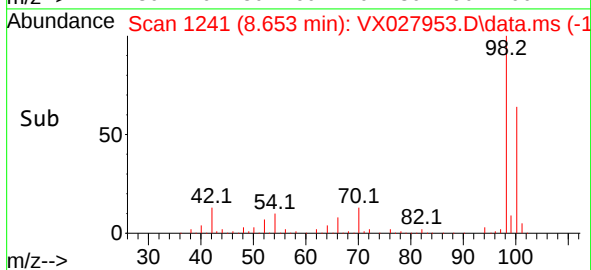
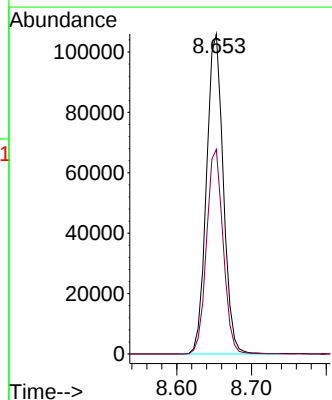
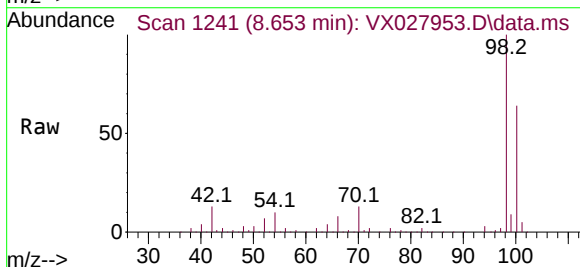
Instrument :
MSVOA_X
ClientSampleId :

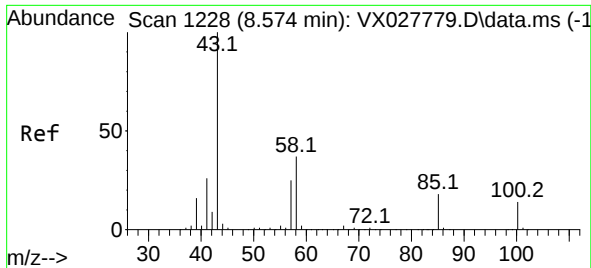
Tgt Ion: 43 Resp: 5015
Ion Ratio Lower Upper
43 100
61 0.0 18.5 27.7#
87 0.0 13.0 19.6#



#50
Toluene-d8
Concen: 48.778 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

Tgt Ion: 98 Resp: 164963
Ion Ratio Lower Upper
98 100
100 63.3 52.6 78.8

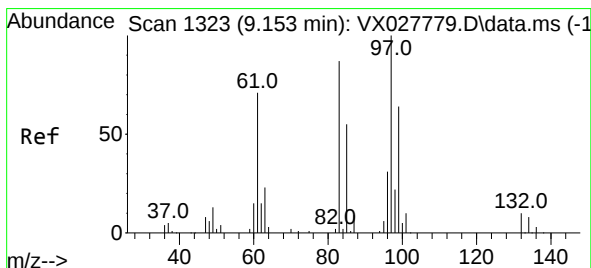
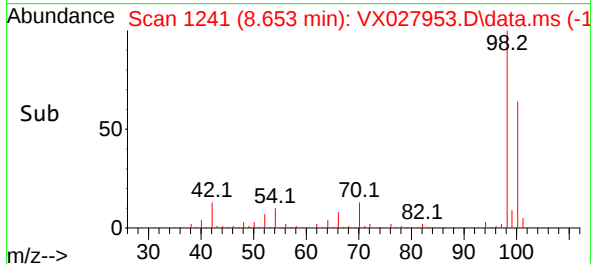
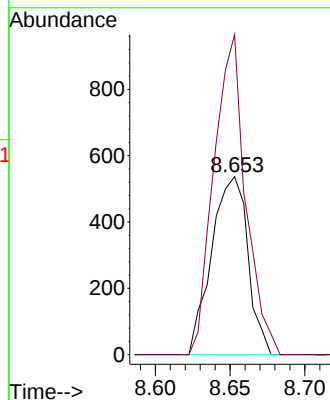
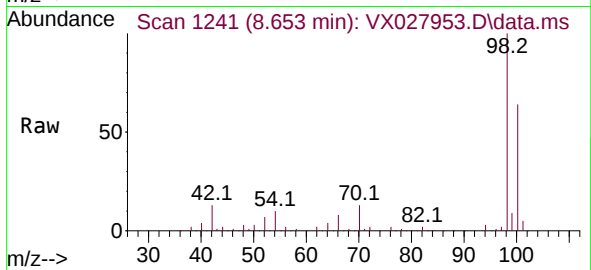




#51
4-Methyl-2-Pentanone
Concen: 0.543 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

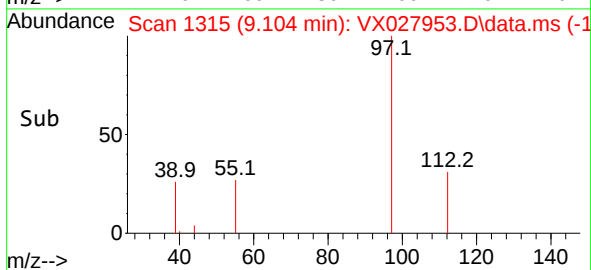
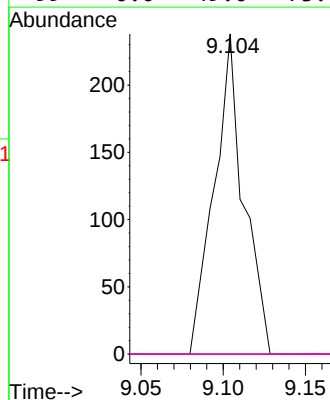
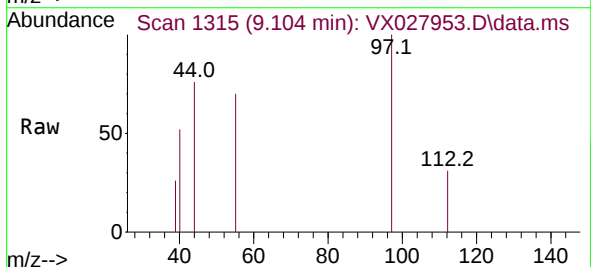
Instrument :
MSVOA_X
ClientSampleId :

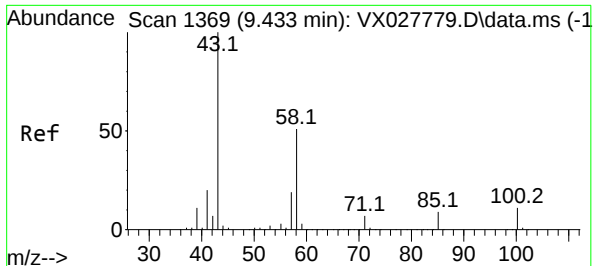
Tgt Ion: 43 Resp: 905
Ion Ratio Lower Upper
43 100
58 157.6 36.1 54.1#



#55
1,1,2-Trichloroethane
Concen: 0.290 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.049 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

Tgt Ion: 97 Resp: 297
Ion Ratio Lower Upper
97 100
83 0.0 66.2 99.4#
85 0.0 42.9 64.3#
99 0.0 49.0 73.6#





#59

2-Hexanone

Concen: 0.343 ug/l

RT: 9.244 min Scan# 11

Delta R.T. -0.189 min

Lab File: VX027953.D

Acq: 04 Apr 2022 12:59

Instrument :

MSVOA_X

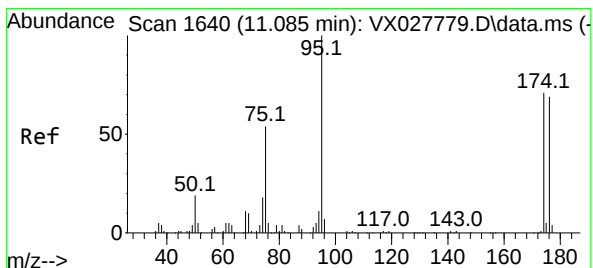
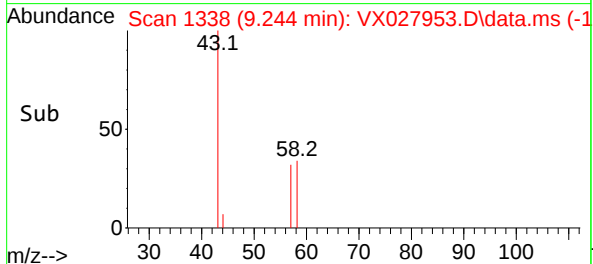
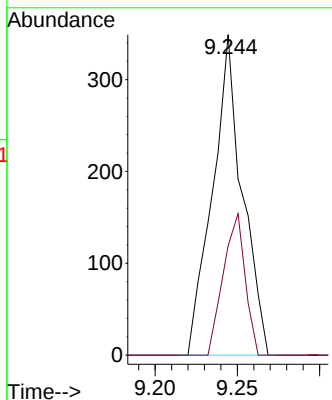
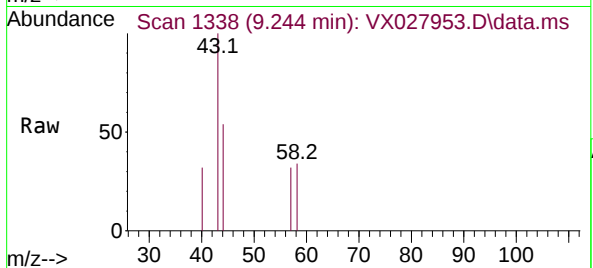
ClientSampleId :

Tgt Ion: 43 Resp: 440

Ion Ratio Lower Upper

43 100

58 32.3 31.9 95.7



#62

4-Bromofluorobenzene

Concen: 47.074 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX027953.D

Acq: 04 Apr 2022 12:59

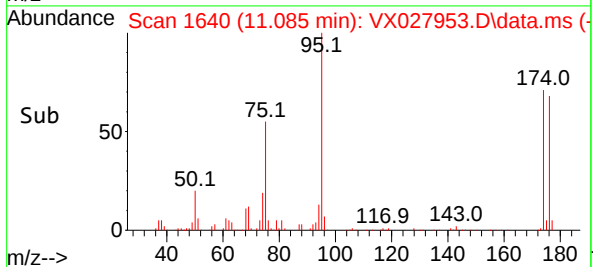
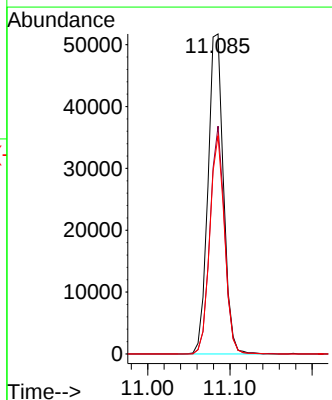
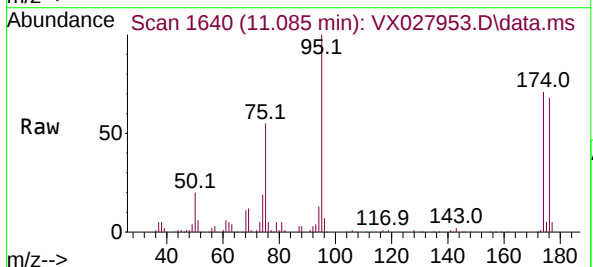
Tgt Ion: 95 Resp: 67655

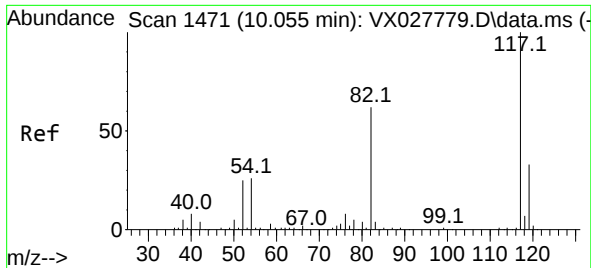
Ion Ratio Lower Upper

95 100

174 67.0 0.0 163.0

176 65.1 0.0 155.0

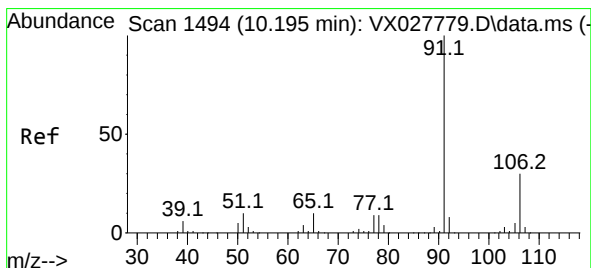
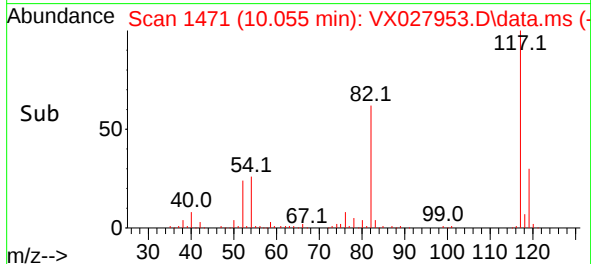
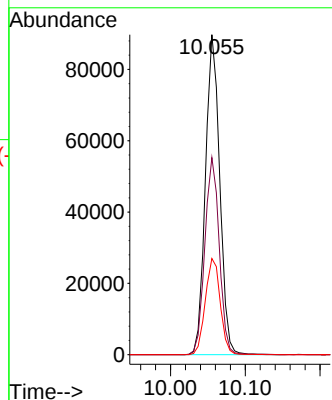
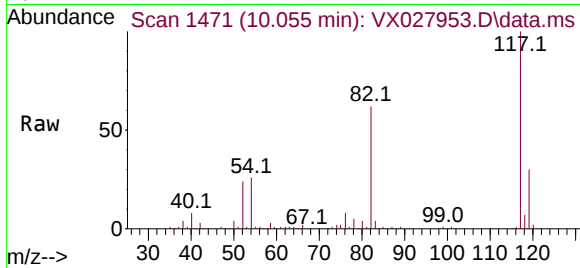




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

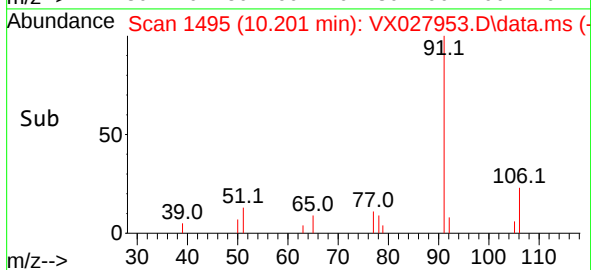
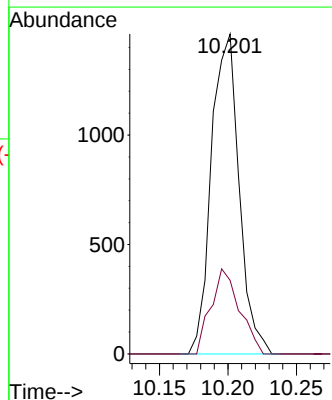
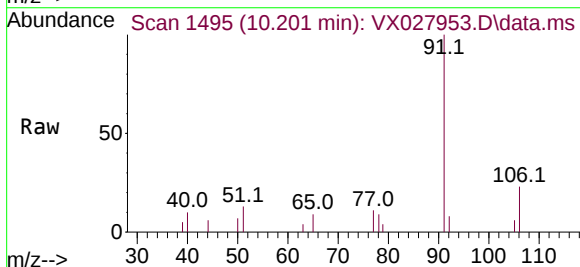
Instrument :
MSVOA_X
ClientSampleId :

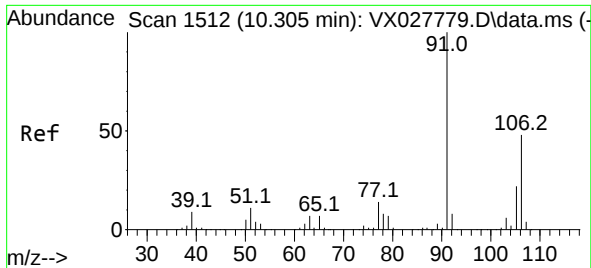
Tgt Ion:117 Resp: 119348
Ion Ratio Lower Upper
117 100
82 61.6 41.8 62.8
119 30.1 24.8 37.2



#67
Ethyl Benzene
Concen: 0.481 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

Tgt Ion: 91 Resp: 2053
Ion Ratio Lower Upper
91 100
106 23.0 24.6 36.8#

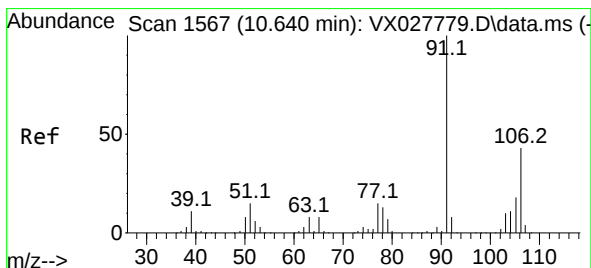
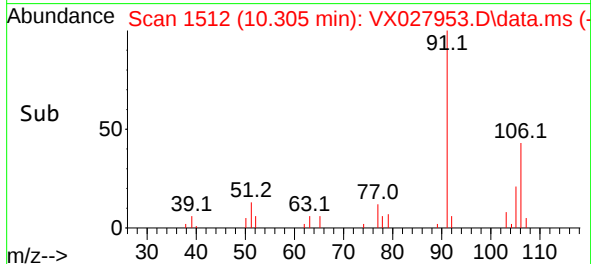
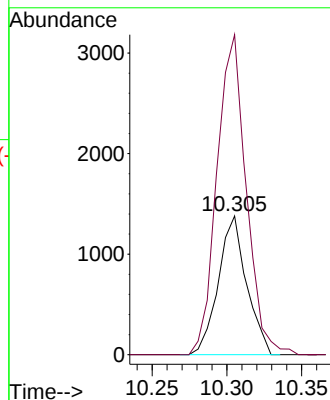
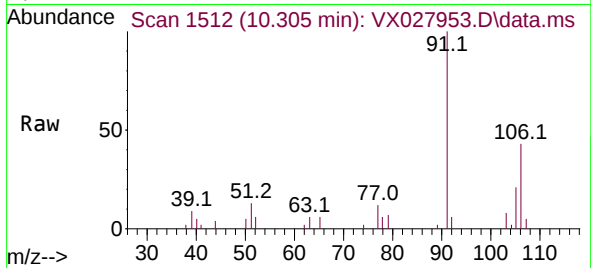




#68
m/p-Xylenes
Concen: 1.156 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

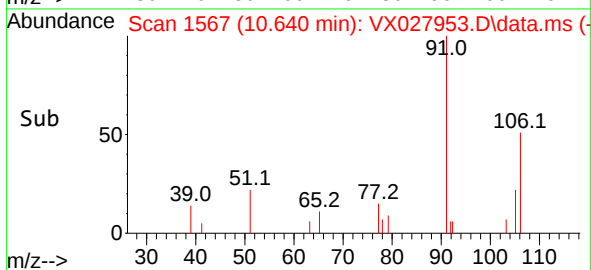
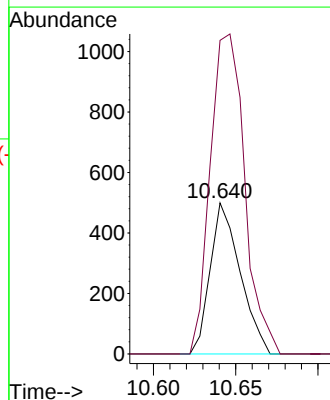
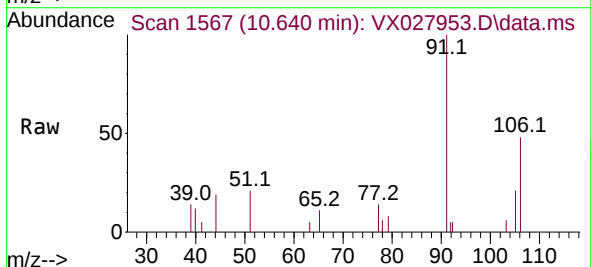
Instrument :
MSVOA_X
ClientSampleId :

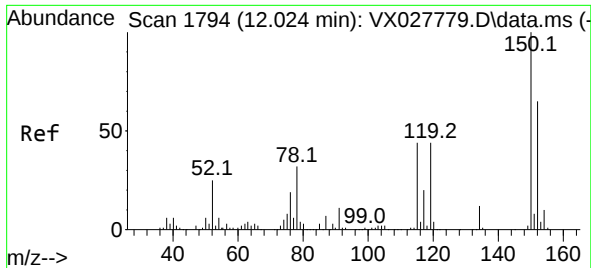
Tgt Ion:106 Resp: 1814
Ion Ratio Lower Upper
106 100
91 239.2 160.4 240.6



#69
o-Xylene
Concen: 0.413 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

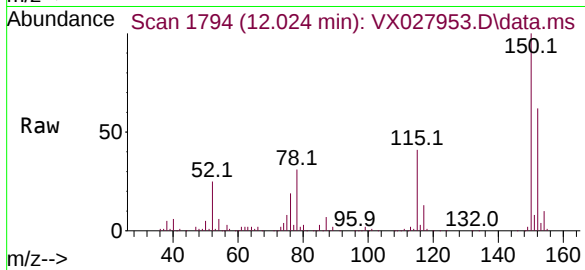
Tgt Ion:106 Resp: 633
Ion Ratio Lower Upper
106 100
91 243.3 106.1 318.1



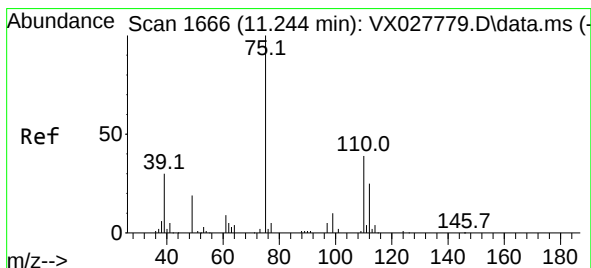
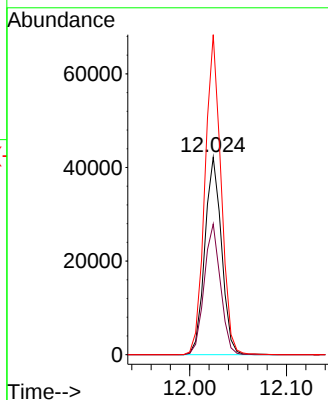
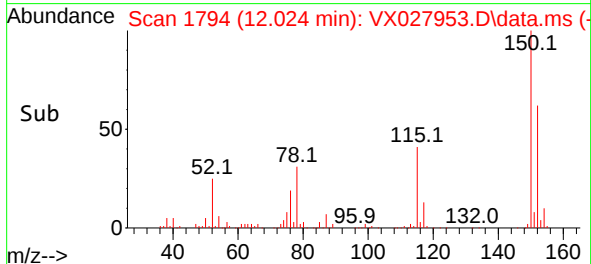


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

Instrument :
MSVOA_X
ClientSampleId :

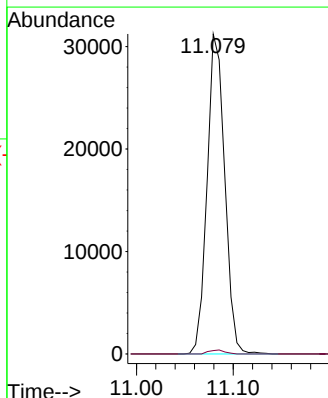
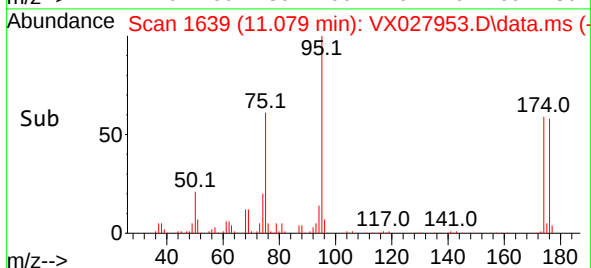
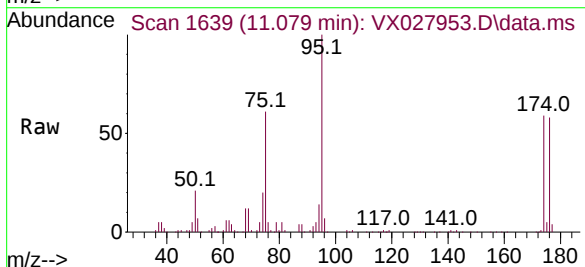


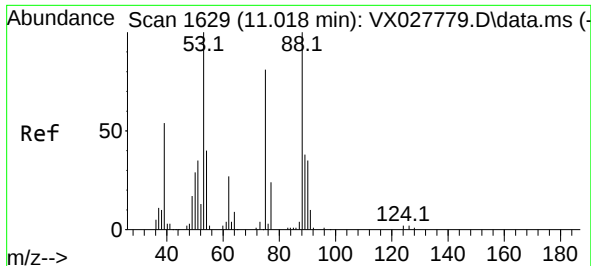
Tgt Ion:152 Resp: 50585
Ion Ratio Lower Upper
152 100
115 64.6 37.5 112.7
150 156.4 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 33.366 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

Tgt Ion: 75 Resp: 39593
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#

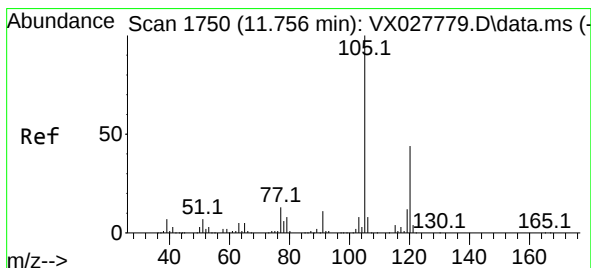
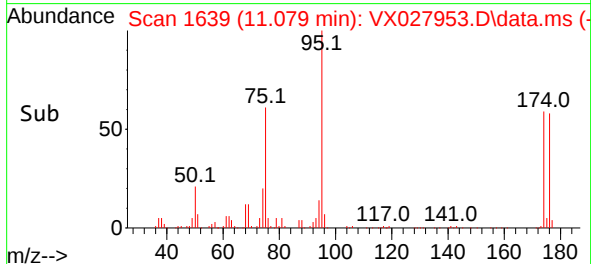
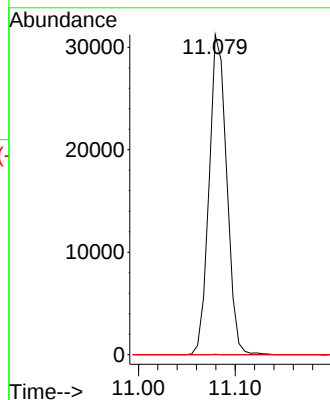
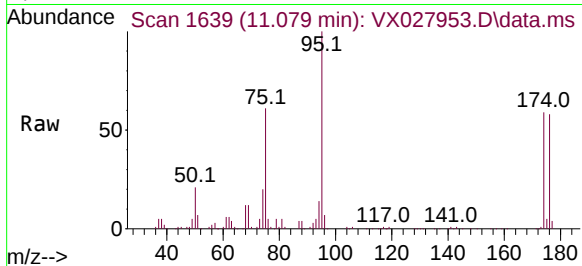




#81
trans-1,4-Dichloro-2-butene
Concen: 96.794 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

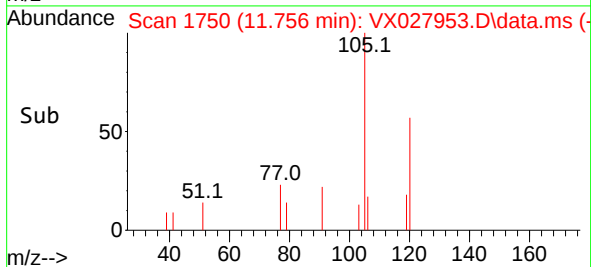
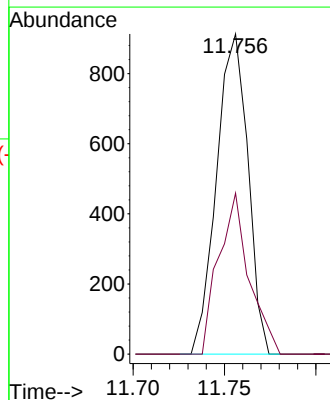
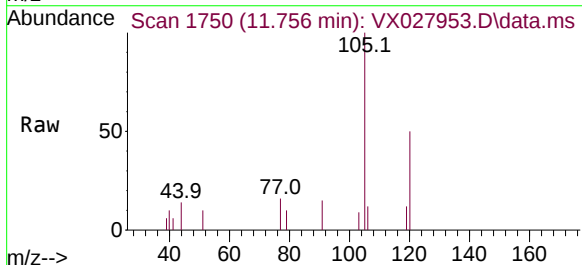
Instrument :
MSVOA_X
ClientSampleId :

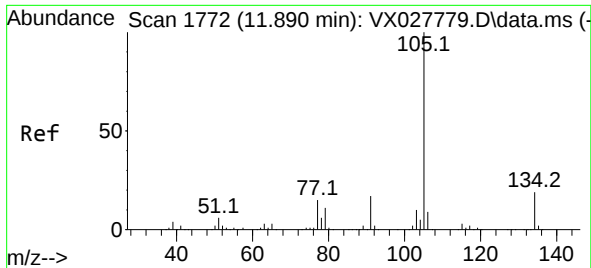
Tgt Ion: 75 Resp: 39593
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.1 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.334 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX027953.D
Acq: 04 Apr 2022 12:59

Tgt Ion: 105 Resp: 1090
Ion Ratio Lower Upper
105 100
120 49.0 22.6 67.8

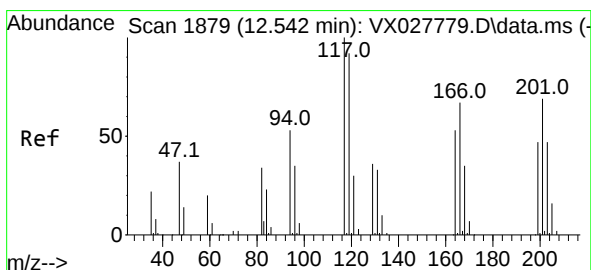
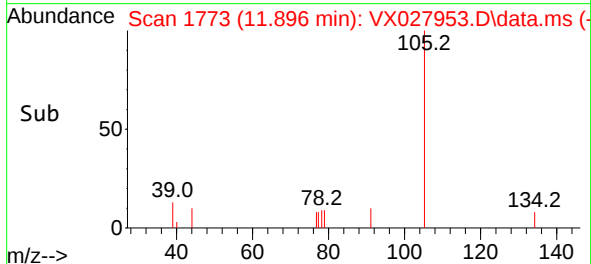
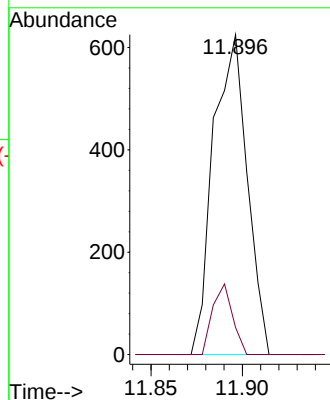
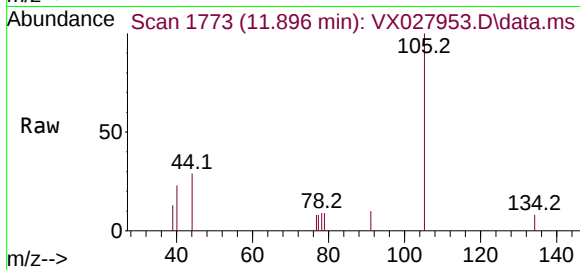




#85
 sec-Butylbenzene
 Concen: 0.206 ug/l
 RT: 11.896 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX027953.D
 Acq: 04 Apr 2022 12:59

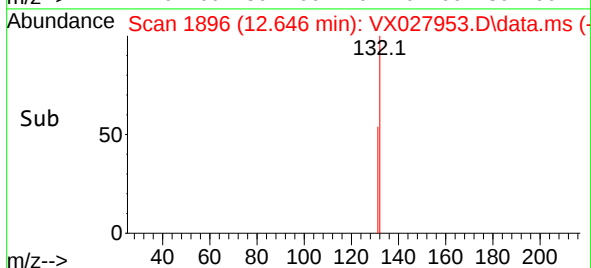
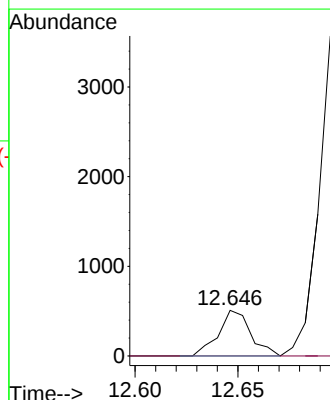
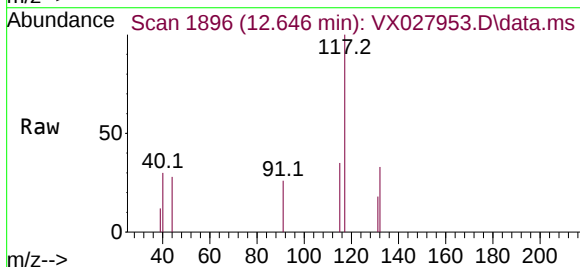
Instrument :
 MSVOA_X
 ClientSampleId :

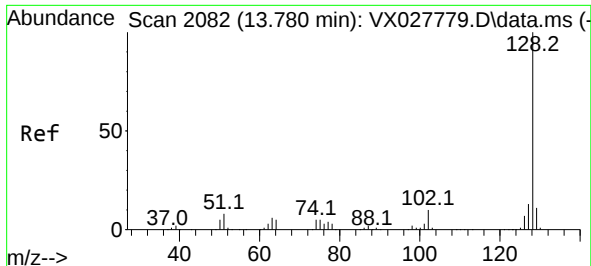
Tgt Ion:105 Resp: 804
 Ion Ratio Lower Upper
 105 100
 134 13.1 10.2 30.4



#90
 Hexachloroethane
 Concen: 1.063 ug/l
 RT: 12.646 min Scan# 1896
 Delta R.T. 0.104 min
 Lab File: VX027953.D
 Acq: 04 Apr 2022 12:59

Tgt Ion:117 Resp: 554
 Ion Ratio Lower Upper
 117 100
 201 0.0 39.5 118.5#





#95

Naphthalene

Concen: 0.218 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.000 min

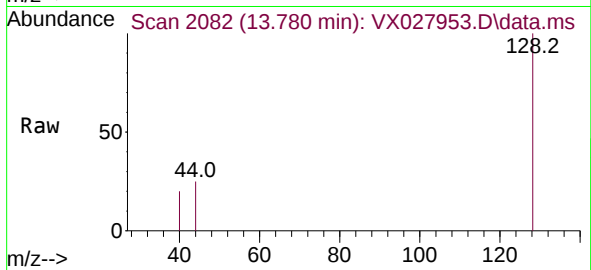
Lab File: VX027953.D

Acq: 04 Apr 2022 12:59

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	128	Resp:	777
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.7	13.1#

