

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032122\
 Data File : VX027583.D
 Acq On : 21 Mar 2022 14:04
 Operator : JC/MD
 Sample : N1998-12DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-138DL

Quant Time: Mar 22 05:45:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

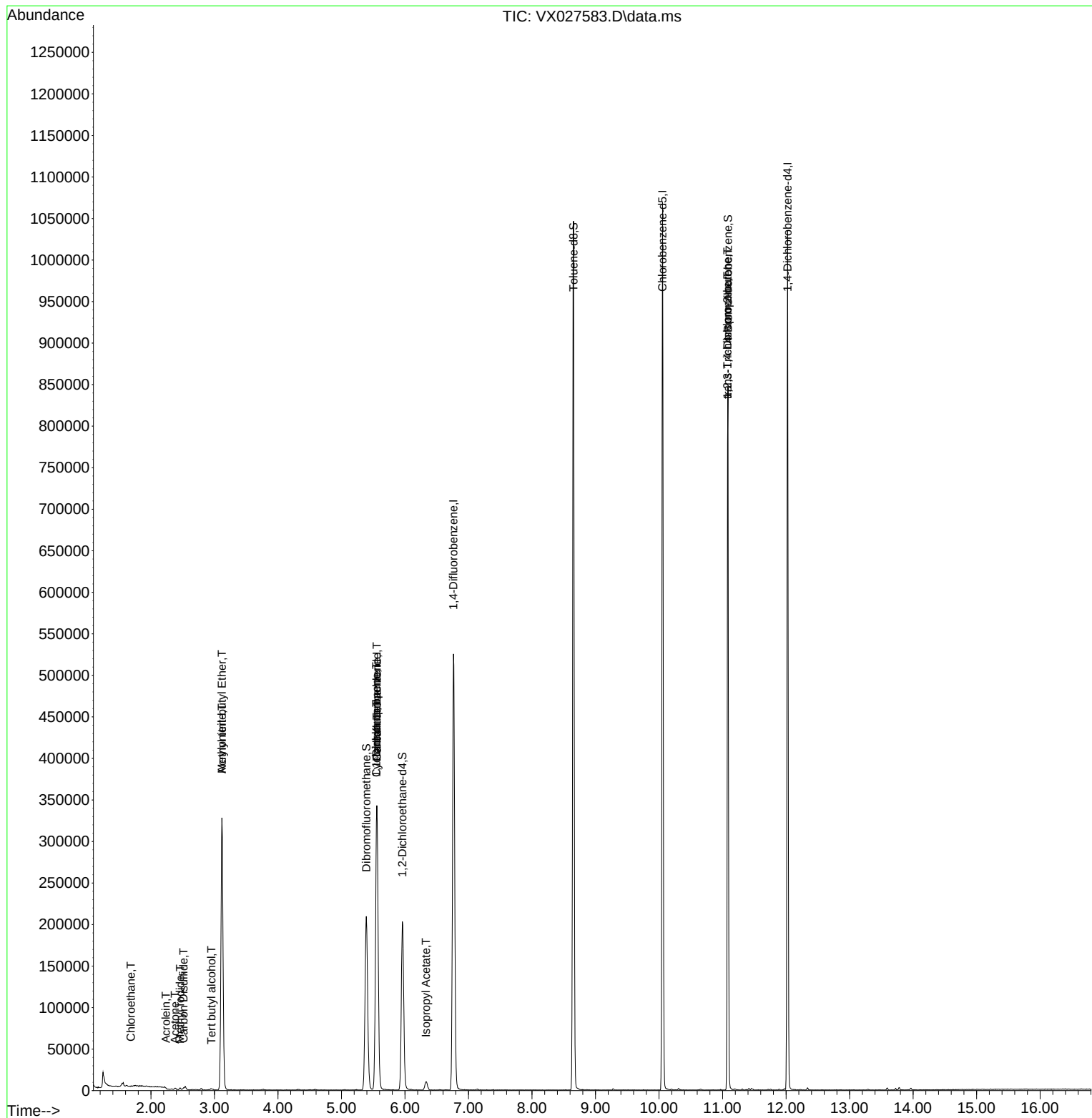
Internal Standards						
1) Pentafluorobenzene	5.556	168	344386	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	567350	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	502603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	224985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	199321	46.982	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.960%		
35) Dibromofluoromethane	5.391	113	185635	50.856	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.720%		
50) Toluene-d8	8.653	98	655062	47.424	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.840%		
62) 4-Bromofluorobenzene	11.085	95	226286	44.571	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.140%		
Target Compounds						Qvalue
5) Bromomethane	1.611	94	929	Below Cal		82
6) Chloroethane	1.685	64	1208	0.581 ug/l #		80
10) Methyl Iodide	2.459	142	2504	0.568 ug/l #		97
11) Tert butyl alcohol	2.953	59	857	1.060 ug/l #		72
13) Acrolein	2.233	56	204	0.325 ug/l		91
15) Acrylonitrile	3.117	53	4233	2.303 ug/l #		34
16) Acetone	2.380	43	2293	1.326 ug/l #		81
17) Carbon Disulfide	2.514	76	2310	0.284 ug/l #		92
19) Methyl tert-butyl Ether	3.117	73	371342	34.417 ug/l		100
31) Cyclohexane	5.550	56	5711	1.084 ug/l #		1
36) 1,1-Dichloropropene	5.550	75	23442	4.699 ug/l #		50
38) Carbon Tetrachloride	5.556	117	34073	5.971 ug/l #		15
43) Isopropyl Acetate	6.330	43	3437	0.430 ug/l #		12
76) 1,2,3-Trichloropropane	11.079	75	107165	22.772 ug/l #		38
81) trans-1,4-Dichloro-2-b...	11.079	75	107165	69.160 ug/l #		15

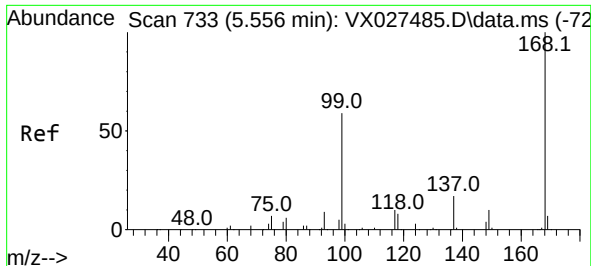
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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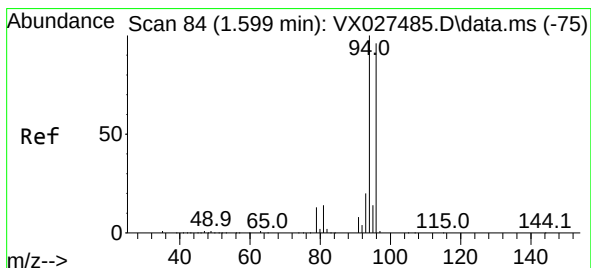
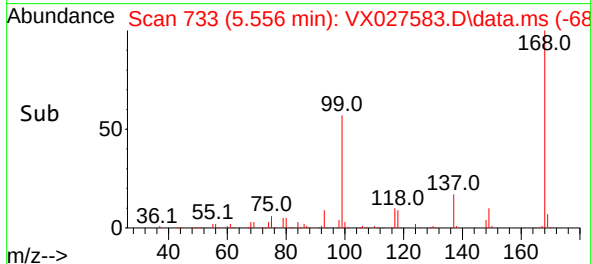
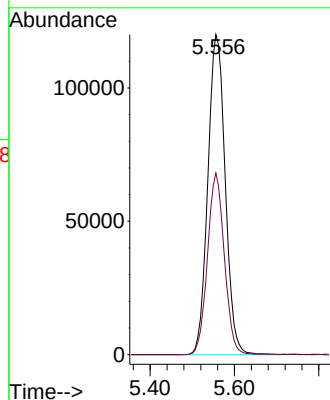
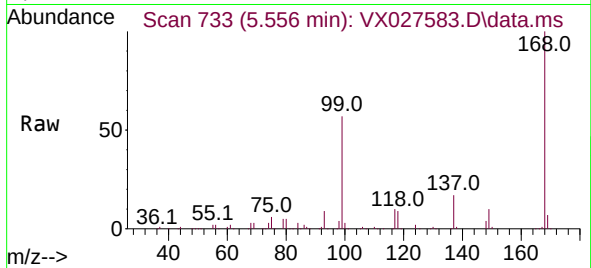




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027583.D
Acq: 21 Mar 2022 14:04

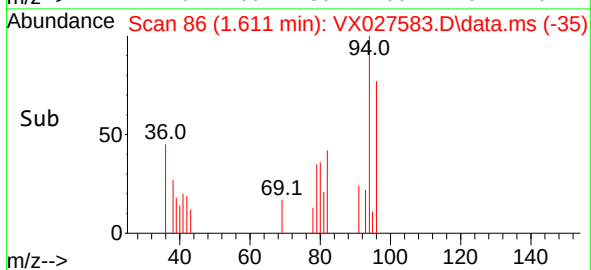
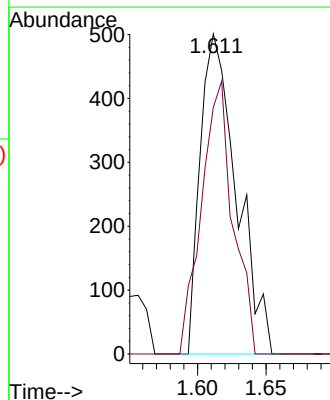
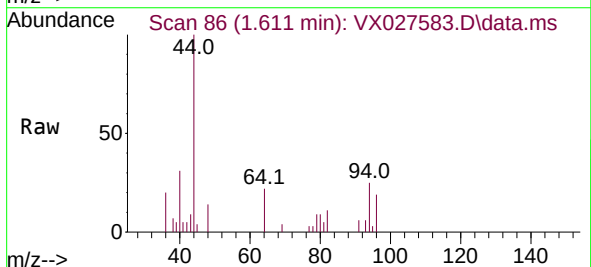
Instrument :
MSVOA_X
ClientSampleId :
MW-138DL

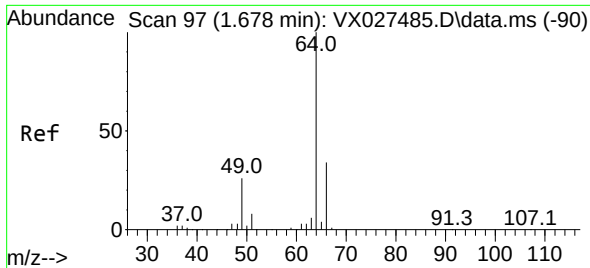
Tgt Ion:168 Resp: 344386
Ion Ratio Lower Upper
168 100
99 56.7 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX027583.D
Acq: 21 Mar 2022 14:04

Tgt Ion: 94 Resp: 929
Ion Ratio Lower Upper
94 100
96 77.0 75.3 112.9

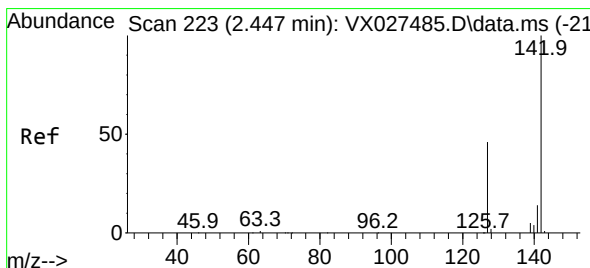
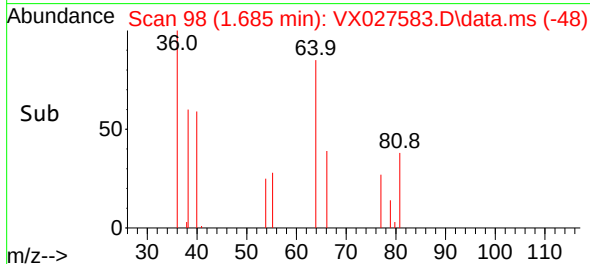
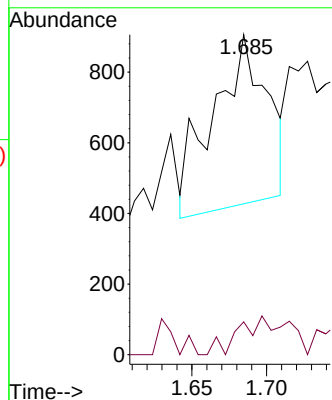
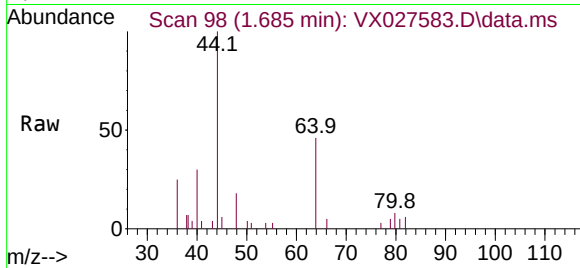




#6
Chloroethane
Concen: 0.581 ug/l
RT: 1.685 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX027583.D
Acq: 21 Mar 2022 14:04

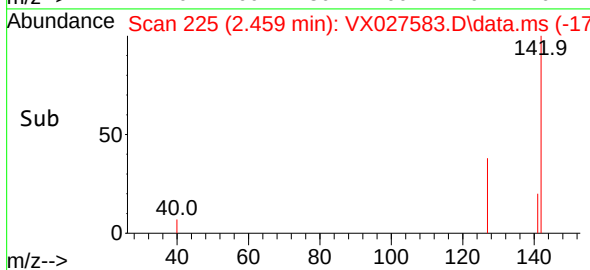
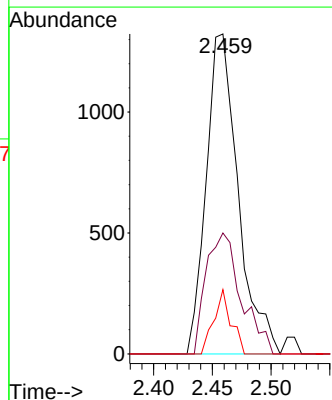
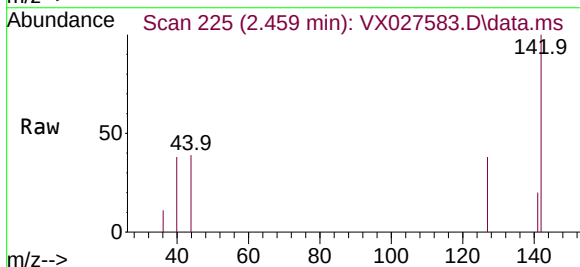
Instrument :
MSVOA_X
ClientSampleId :
MW-138DL

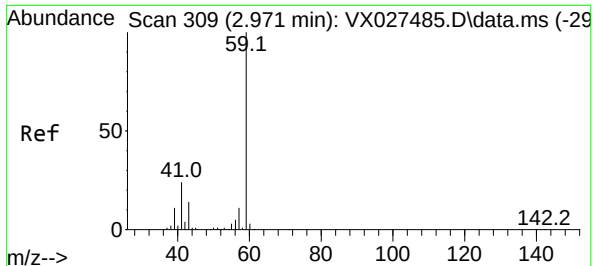
Tgt Ion: 64 Resp: 1208
Ion Ratio Lower Upper
64 100
66 20.4 25.3 37.9#



#10
Methyl Iodide
Concen: 0.568 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.012 min
Lab File: VX027583.D
Acq: 21 Mar 2022 14:04

Tgt Ion: 142 Resp: 2504
Ion Ratio Lower Upper
142 100
127 41.4 33.9 50.9
141 10.8 11.4 17.2#





#11

Tert butyl alcohol

Concen: 1.060 ug/l

RT: 2.953 min Scan# 309

Delta R.T. -0.018 min

Lab File: VX027583.D

Acq: 21 Mar 2022 14:04

Instrument :

MSVOA_X

ClientSampleId :

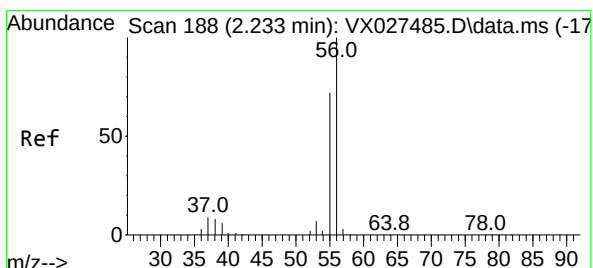
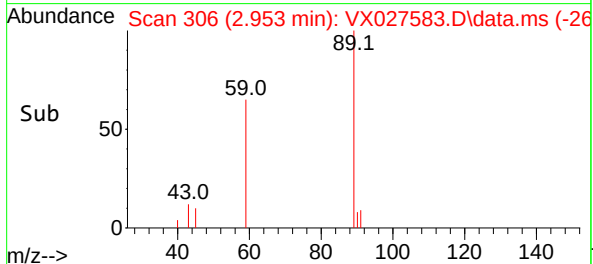
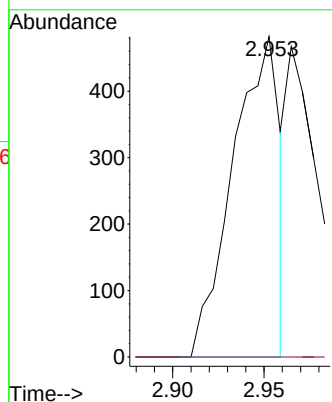
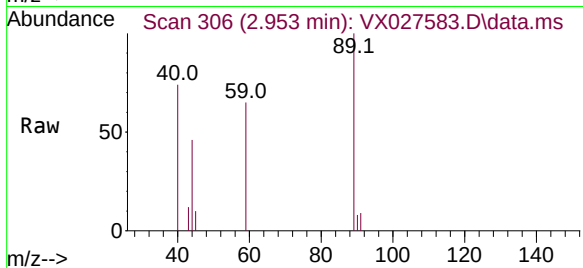
MW-138DL

Tgt Ion: 59 Resp: 857

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.325 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX027583.D

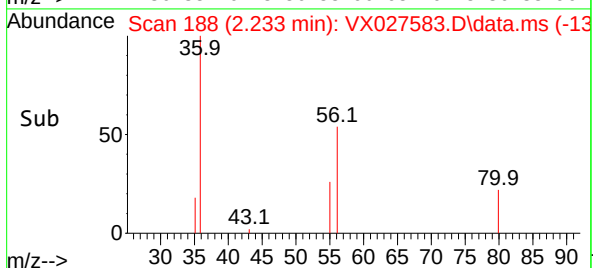
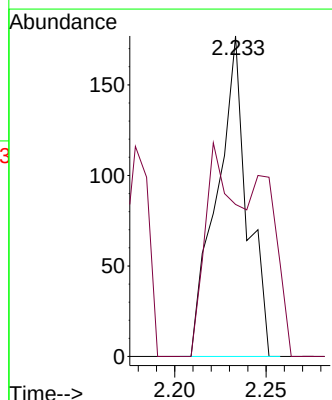
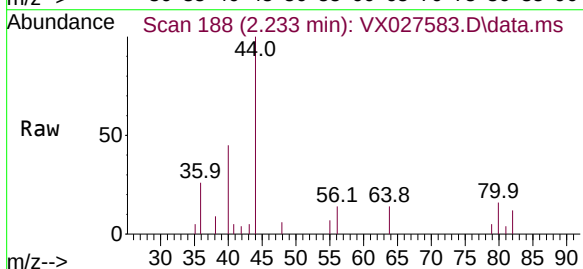
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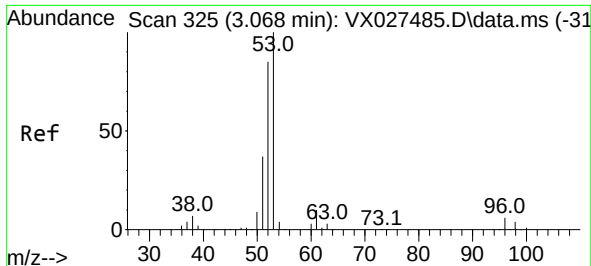
Tgt Ion: 56 Resp: 204

Ion Ratio Lower Upper

56 100

55 76.5 55.0 82.6

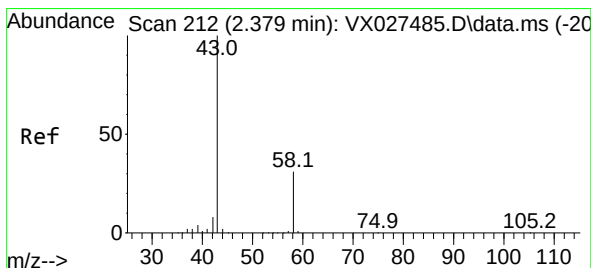
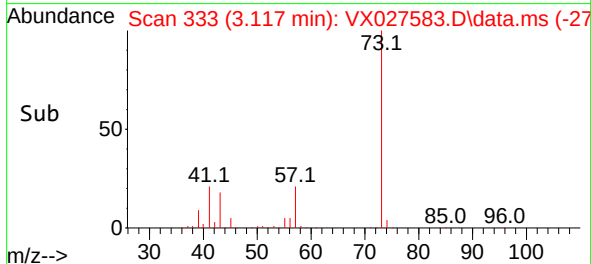
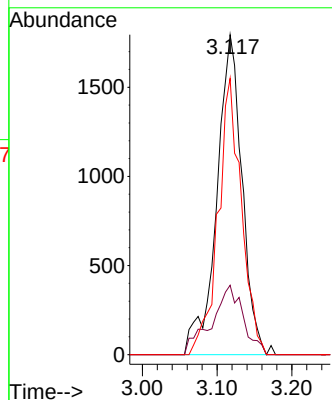
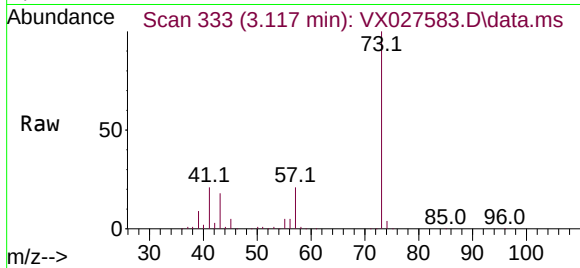




#15
Acrylonitrile
Concen: 2.303 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.049 min
Lab File: VX027583.D
Acq: 21 Mar 2022 14:04

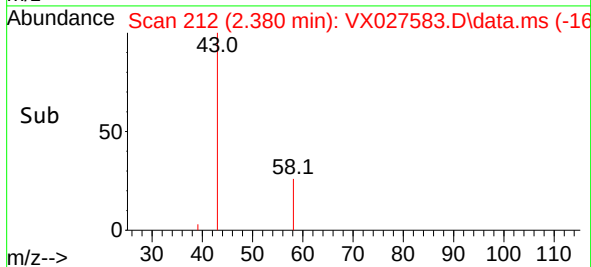
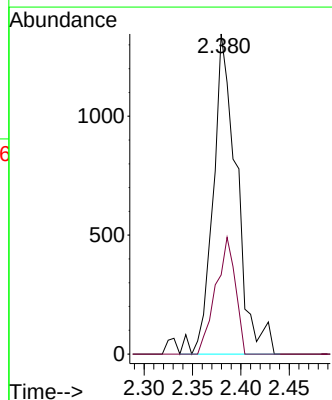
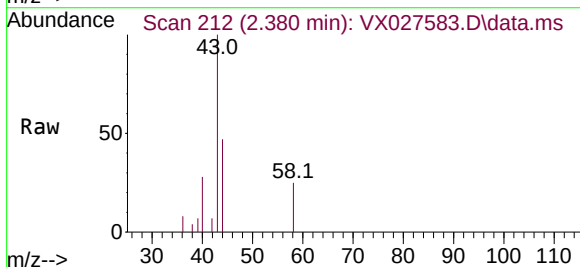
Instrument :
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MW-138DL

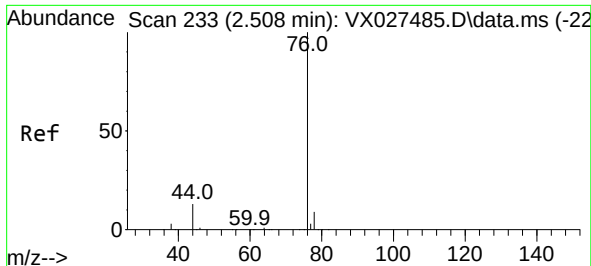
Tgt Ion: 53 Resp: 4233
Ion Ratio Lower Upper
53 100
52 27.1 65.7 98.5#
51 79.4 28.4 42.6#



#16
Acetone
Concen: 1.326 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX027583.D
Acq: 21 Mar 2022 14:04

Tgt Ion: 43 Resp: 2293
Ion Ratio Lower Upper
43 100
58 24.7 28.8 43.2#

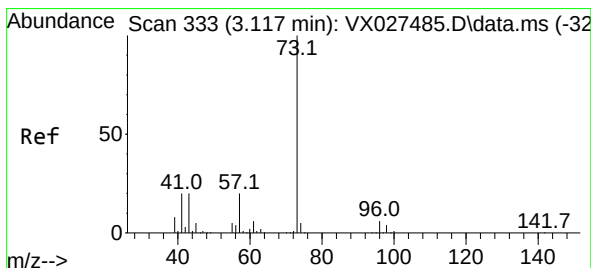
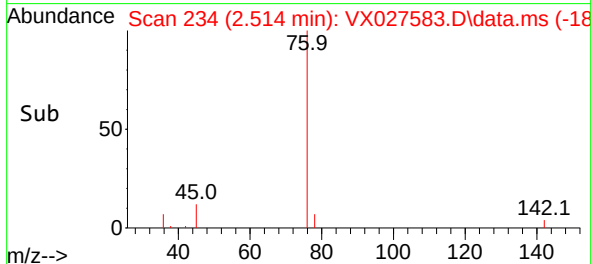
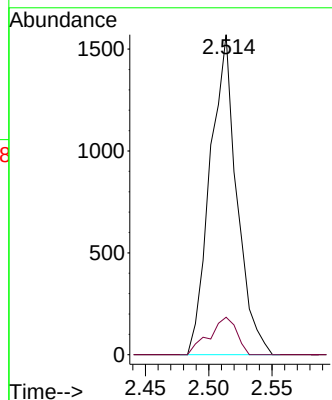
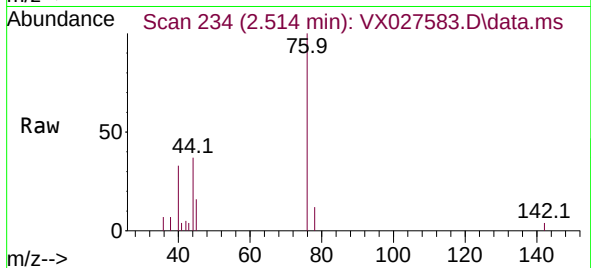




#17
Carbon Disulfide
Concen: 0.284 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027583.D
Acq: 21 Mar 2022 14:04

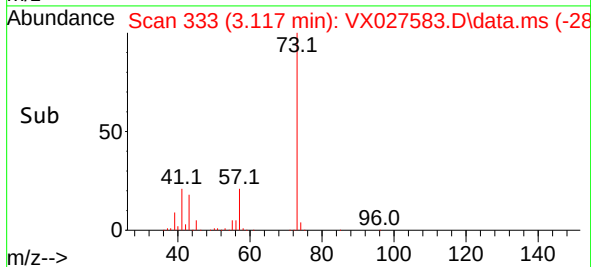
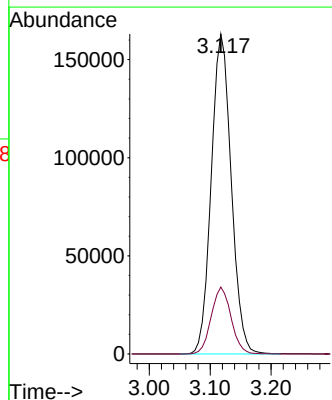
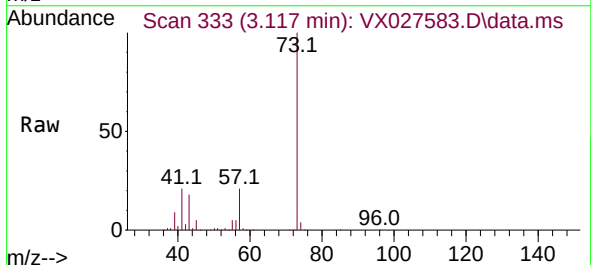
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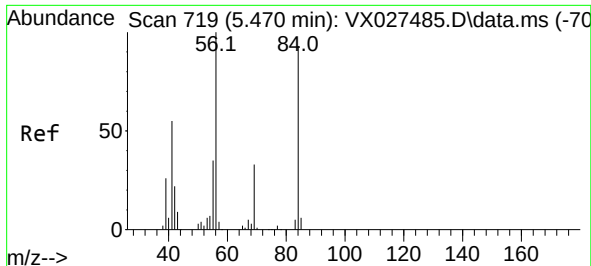
Tgt Ion: 76 Resp: 2310
Ion Ratio Lower Upper
76 100
78 11.7 7.2 10.8#



#19
Methyl tert-butyl Ether
Concen: 34.417 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX027583.D
Acq: 21 Mar 2022 14:04

Tgt Ion: 73 Resp: 371342
Ion Ratio Lower Upper
73 100
57 20.9 16.8 25.2

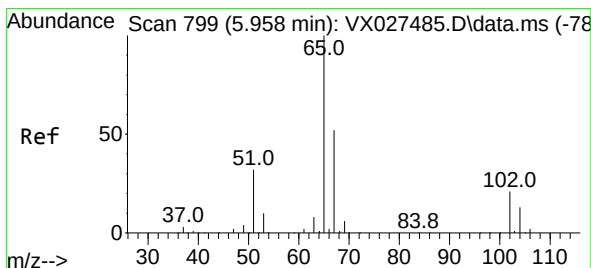
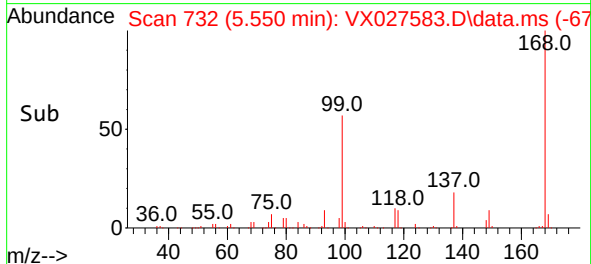
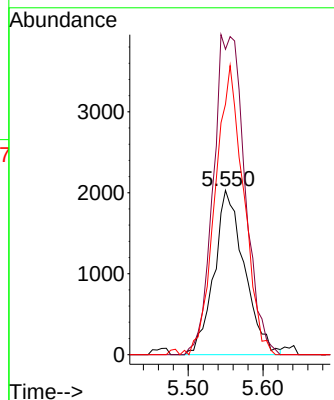
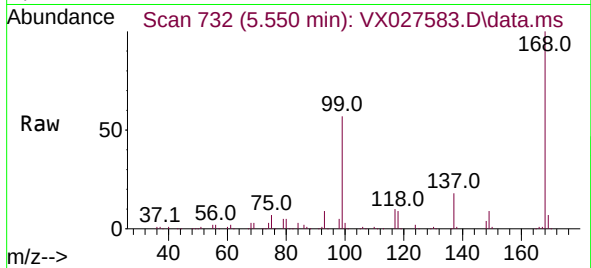




#31
Cyclohexane
Concen: 1.084 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX027583.D
Acq: 21 Mar 2022 14:04

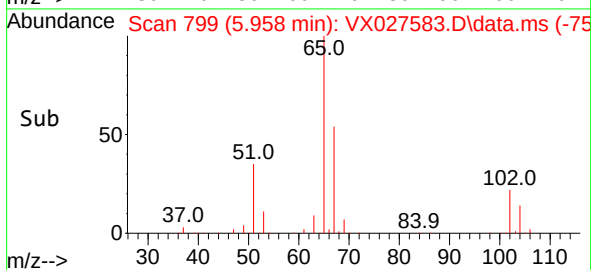
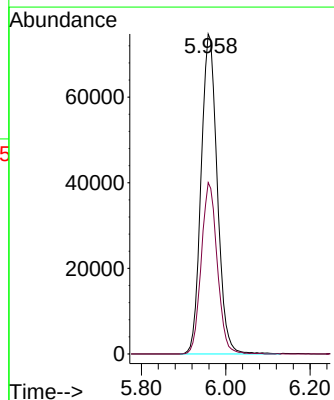
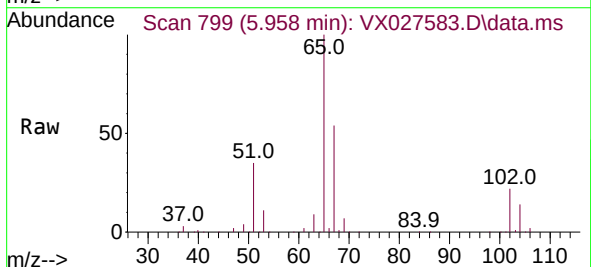
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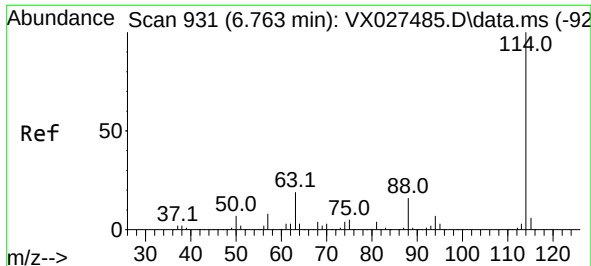
Tgt Ion: 56 Resp: 5711
Ion Ratio Lower Upper
56 100
69 186.0 26.7 40.1#
84 152.4 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 46.982 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027583.D
Acq: 21 Mar 2022 14:04

Tgt Ion: 65 Resp: 199321
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.4

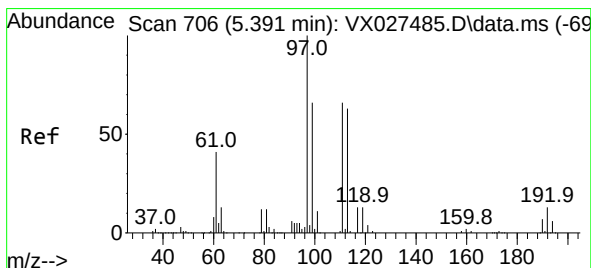
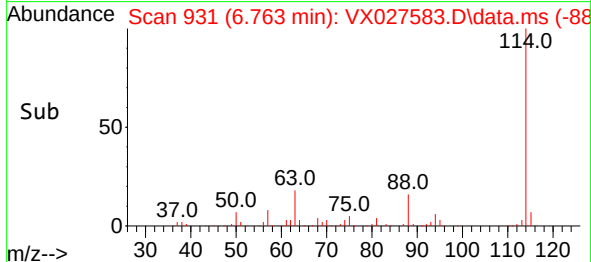
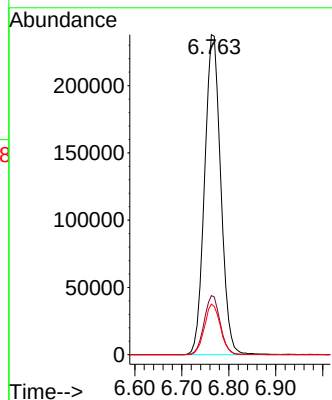
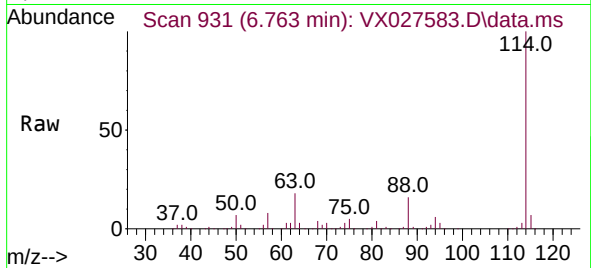




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX027583.D
 Acq: 21 Mar 2022 14:04

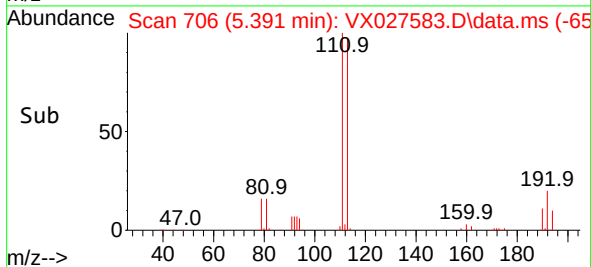
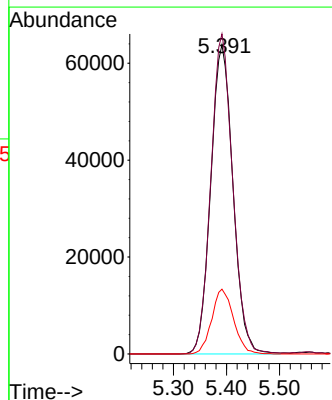
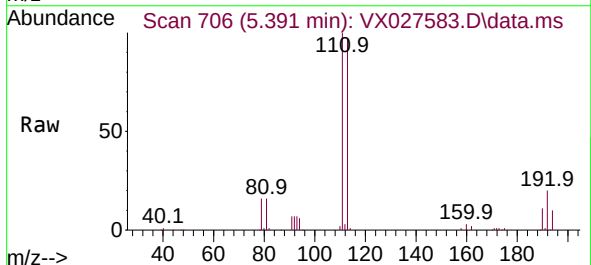
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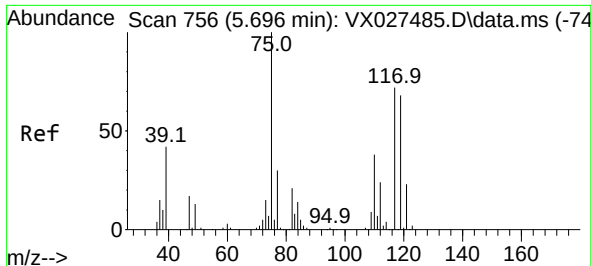
Tgt Ion:114 Resp: 567350
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.8
 88 15.8 0.0 32.4



#35
 Dibromofluoromethane
 Concen: 50.856 ug/l
 RT: 5.391 min Scan# 706
 Delta R.T. 0.000 min
 Lab File: VX027583.D
 Acq: 21 Mar 2022 14:04

Tgt Ion:113 Resp: 185635
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.8 124.2
 192 20.6 16.9 25.3

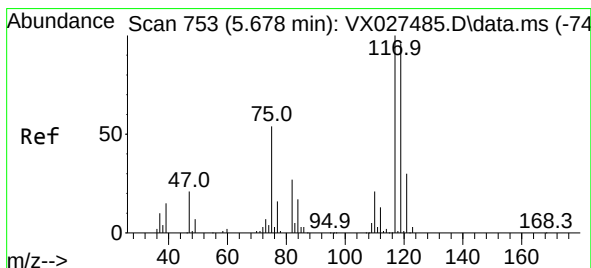
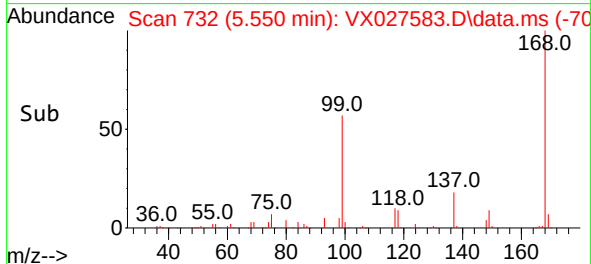
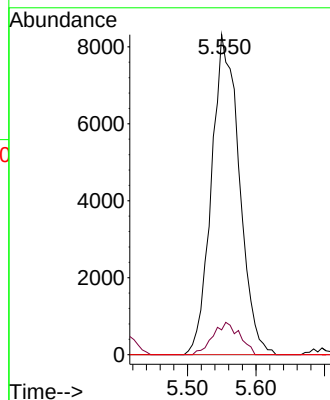
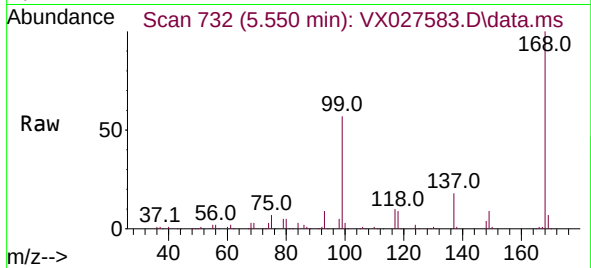




#36
1,1-Dichloropropene
Concen: 4.699 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX027583.D
Acq: 21 Mar 2022 14:04

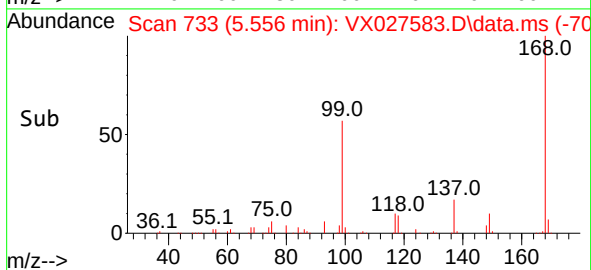
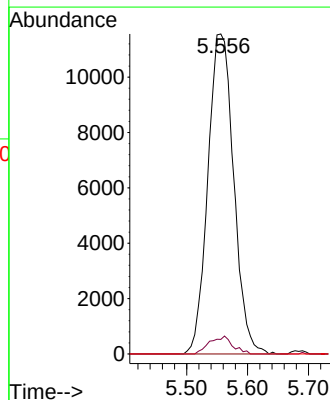
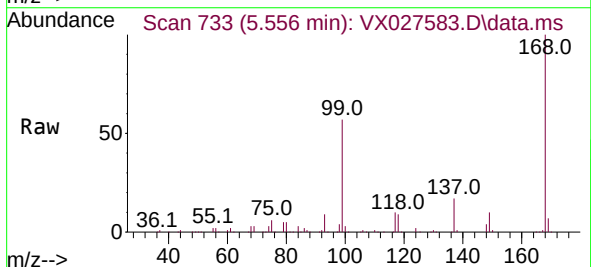
Instrument :
MSVOA_X
ClientSampleId :
MW-138DL

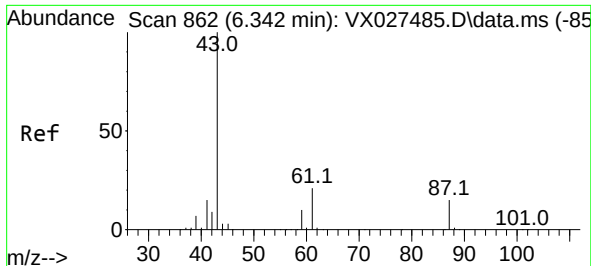
Tgt Ion: 75 Resp: 23442
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.971 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX027583.D
Acq: 21 Mar 2022 14:04

Tgt Ion: 117 Resp: 34073
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 0.430 ug/l

RT: 6.330 min Scan# 860

Delta R.T. -0.012 min

Lab File: VX027583.D

Acq: 21 Mar 2022 14:04

Instrument :

MSVOA_X

ClientSampleId :

MW-138DL

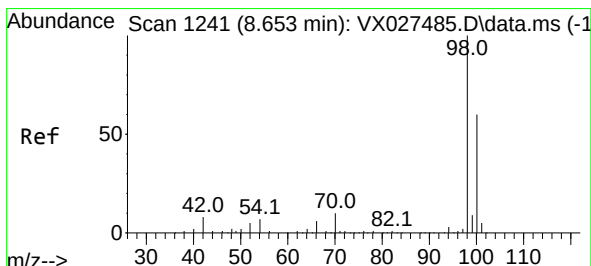
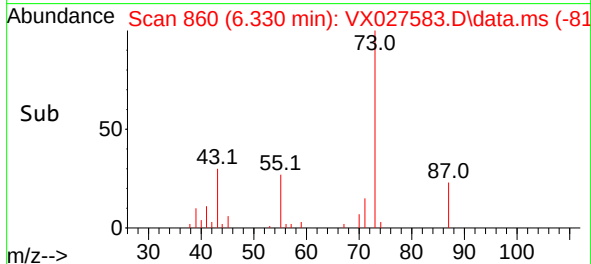
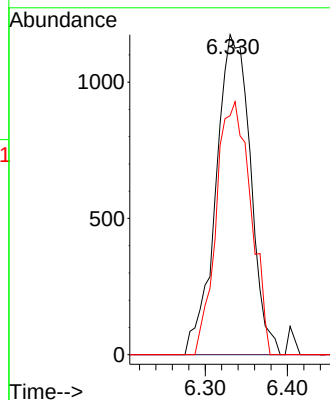
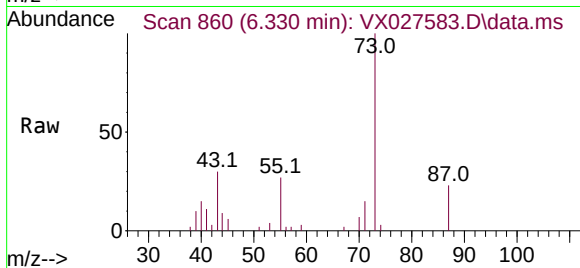
Tgt Ion: 43 Resp: 3437

Ion Ratio Lower Upper

43 100

61 0.0 18.5 27.7#

87 78.7 13.0 19.6#



#50

Toluene-d8

Concen: 47.424 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX027583.D

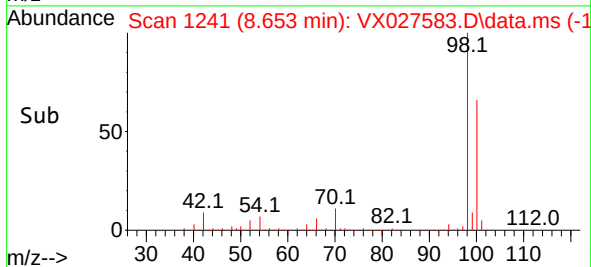
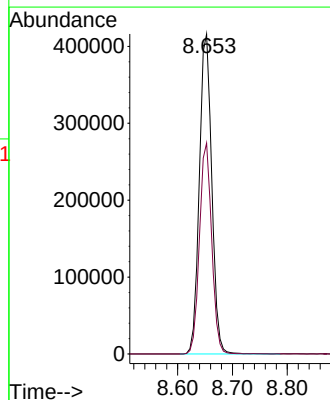
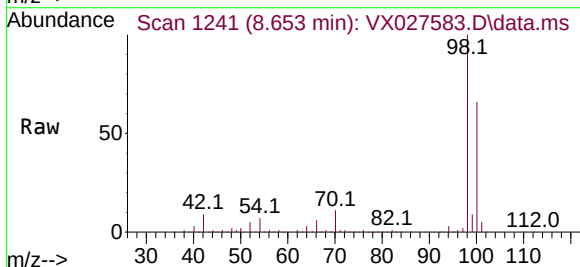
Acq: 21 Mar 2022 14:04

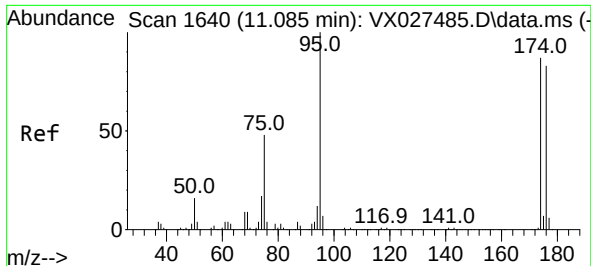
Tgt Ion: 98 Resp: 655062

Ion Ratio Lower Upper

98 100

100 64.9 52.6 78.8

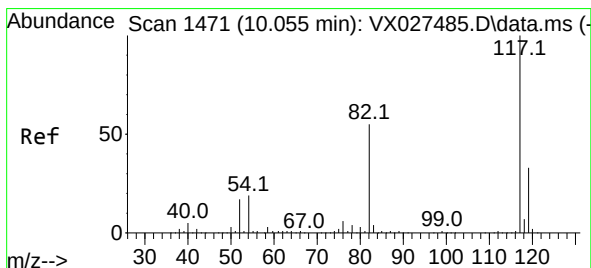
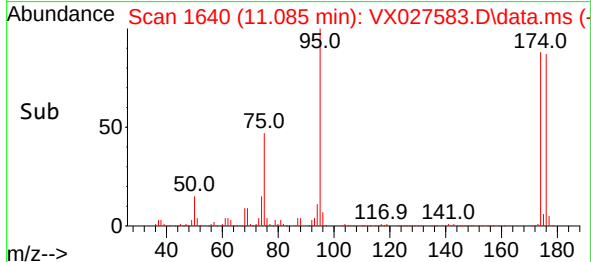
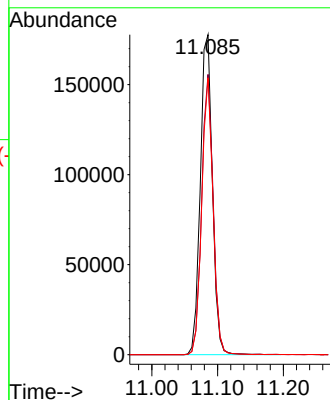
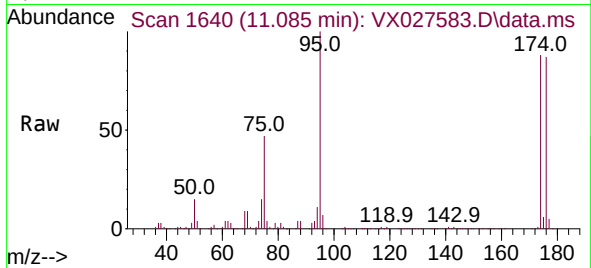




#62
4-Bromofluorobenzene
Concen: 44.571 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX027583.D
Acq: 21 Mar 2022 14:04

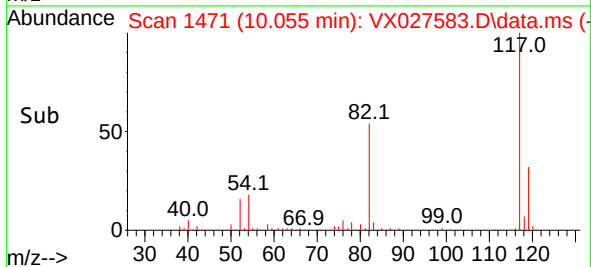
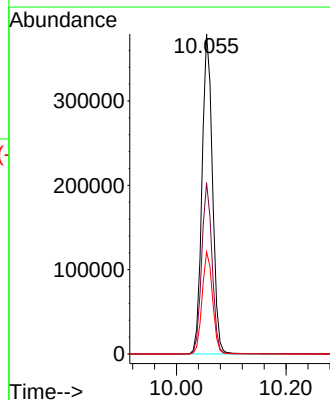
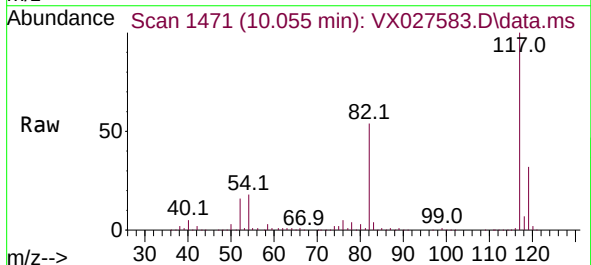
Instrument :
MSVOA_X
ClientSampleId :
MW-138DL

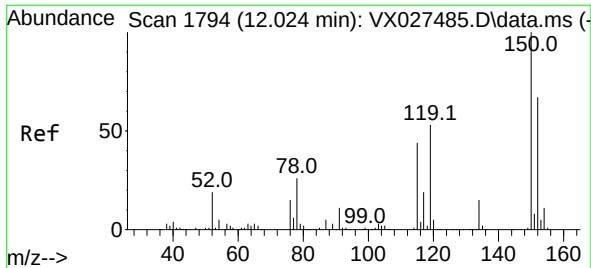
Tgt Ion: 95 Resp: 226286
Ion Ratio Lower Upper
95 100
174 83.3 0.0 163.0
176 81.3 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027583.D
Acq: 21 Mar 2022 14:04

Tgt Ion: 117 Resp: 502603
Ion Ratio Lower Upper
117 100
82 53.5 41.8 62.8
119 31.9 24.8 37.2

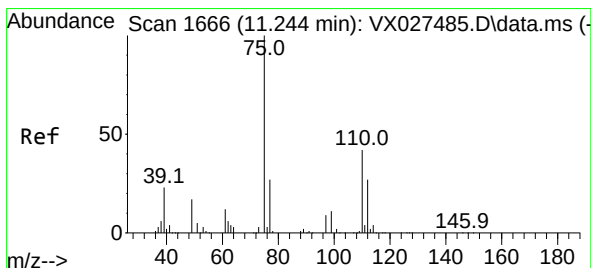
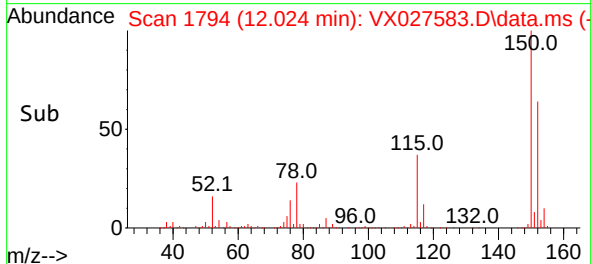
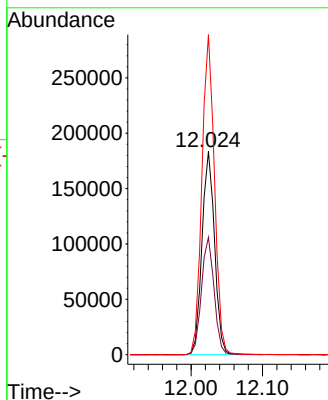
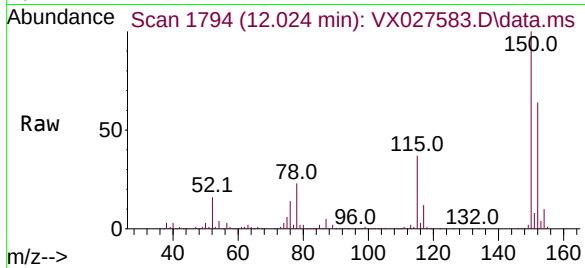




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX027583.D
 Acq: 21 Mar 2022 14:04

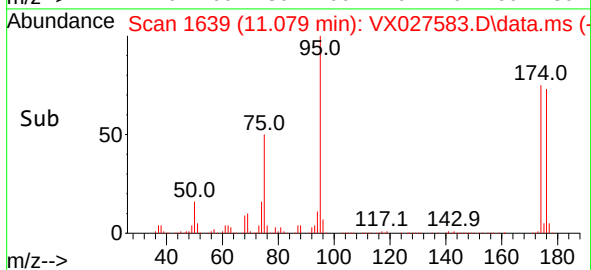
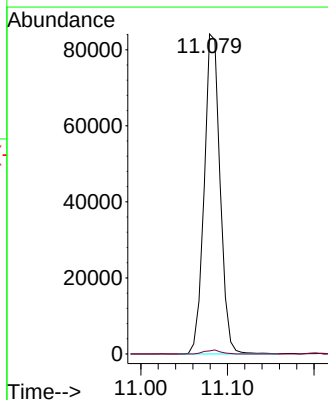
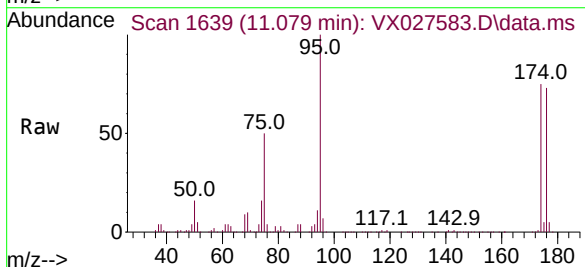
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-138DL

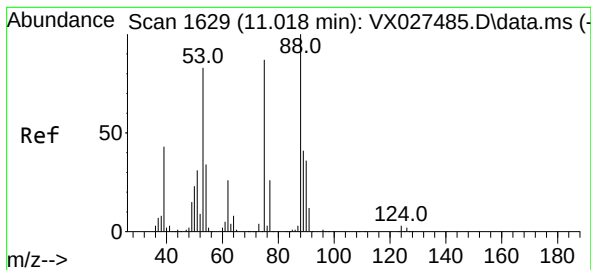
Tgt Ion:152 Resp: 224985
 Ion Ratio Lower Upper
 152 100
 115 57.8 37.5 112.7
 150 156.5 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 22.772 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX027583.D
 Acq: 21 Mar 2022 14:04

Tgt Ion: 75 Resp: 107165
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.160 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX027583.D
 Acq: 21 Mar 2022 14:04

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-138DL

Tgt Ion: 75 Resp: 107165
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

