

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032222\
 Data File : VX027642.D
 Acq On : 23 Mar 2022 03:20
 Operator : JC/MD
 Sample : N2062-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

Quant Time: Mar 23 07:42:49 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)

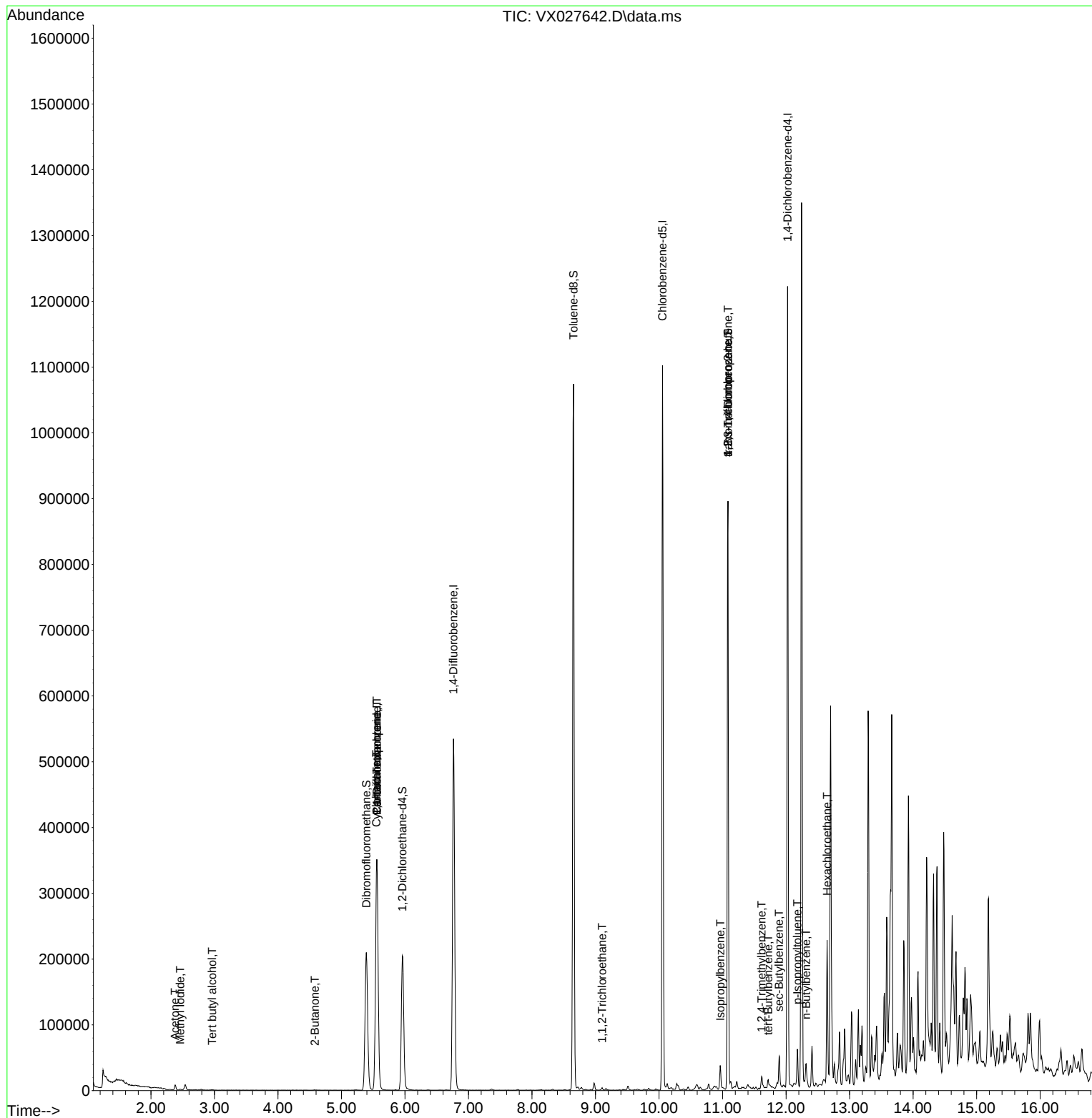
Internal Standards						
1) Pentafluorobenzene	5.556	168	349381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	567751	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	517887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	256443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	202904	47.143	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.280%
35) Dibromofluoromethane	5.391	113	186168	50.966	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.940%
50) Toluene-d8	8.653	98	664333	48.061	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.120%
62) 4-Bromofluorobenzene	11.085	95	243779	47.983	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.960%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	890	Below Cal		93
10) Methyl Iodide	2.459	142	1349	0.301 ug/l #		89
11) Tert butyl alcohol	2.965	59	550	0.671 ug/l #		72
16) Acetone	2.379	43	7476	4.261 ug/l		98
25) 2-Butanone	4.580	43	569	0.216 ug/l		91
31) Cyclohexane	5.550	56	6315	1.182 ug/l #		1
36) 1,1-Dichloropropene	5.556	75	24298	4.868 ug/l #		50
38) Carbon Tetrachloride	5.556	117	34511	6.043 ug/l #		16
55) 1,1,2-Trichloroethane	9.104	97	1421	0.364 ug/l #		19
73) Isopropylbenzene	10.963	105	17355	0.929 ug/l		95
76) 1,2,3-Trichloropropane	11.085	75	114265	21.303 ug/l #		38
81) trans-1,4-Dichloro-2-b...	11.085	75	114265	64.696 ug/l #		15
83) tert-Butylbenzene	11.719	119	4753	0.305 ug/l		80
84) 1,2,4-Trimethylbenzene	11.616	105	5559	0.355 ug/l		83
85) sec-Butylbenzene	11.890	105	25900	1.376 ug/l		92
86) p-Isopropyltoluene	12.176	119	26659	1.649 ug/l		96
89) n-Butylbenzene	12.317	91	2714	0.201 ug/l #		18
90) Hexachloroethane	12.646	117	74868	29.042 ug/l #		10

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

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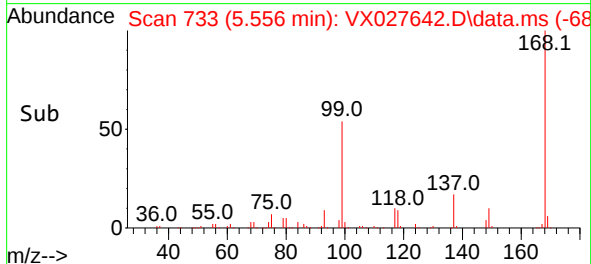
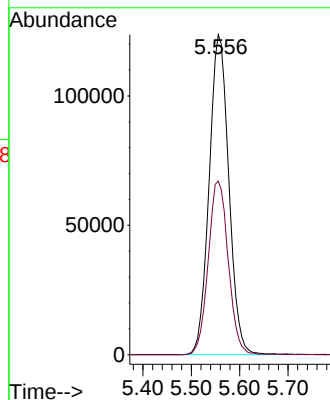
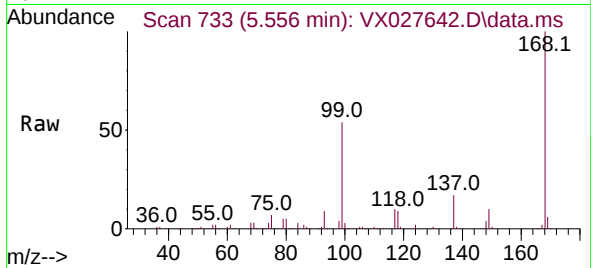




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027642.D
Acq: 23 Mar 2022 03:20

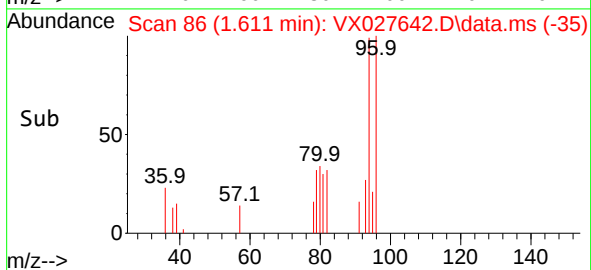
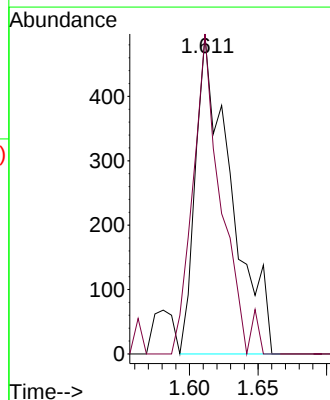
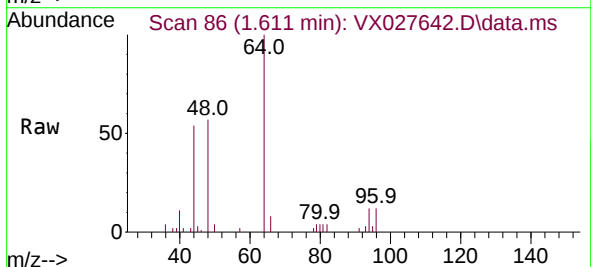
Instrument :
MSVOA_X
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MW-7

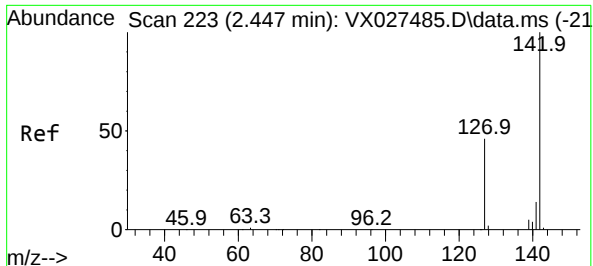
Tgt Ion:168 Resp: 349381
Ion Ratio Lower Upper
168 100
99 54.3 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX027642.D
Acq: 23 Mar 2022 03:20

Tgt Ion: 94 Resp: 890
Ion Ratio Lower Upper
94 100
96 100.6 75.3 112.9

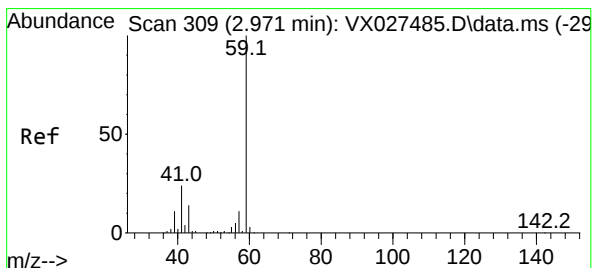
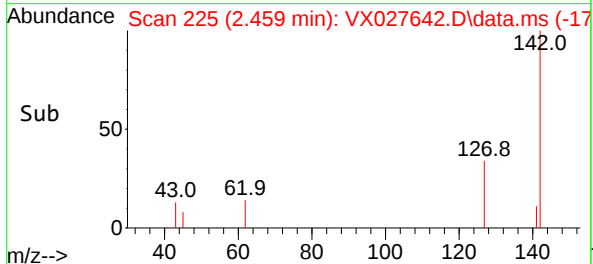
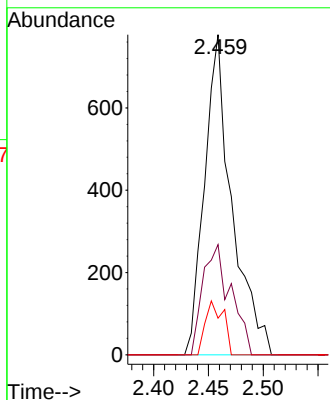
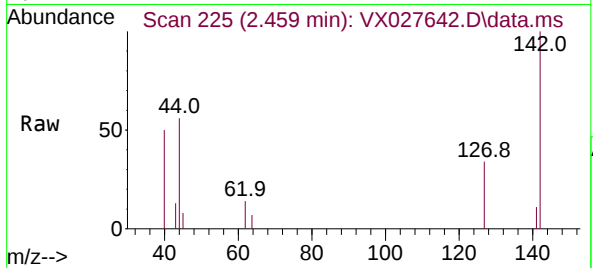




#10
Methyl Iodide
Concen: 0.301 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX027642.D
Acq: 23 Mar 2022 03:20

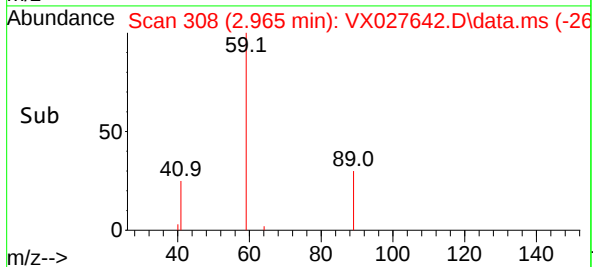
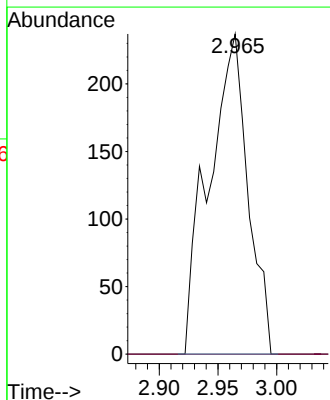
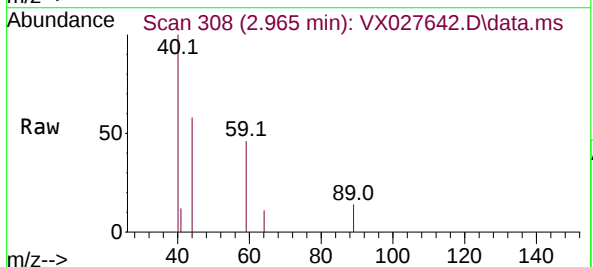
Instrument :
MSVOA_X
ClientSampleId :
MW-7

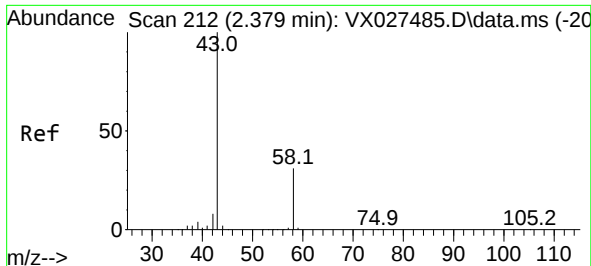
Tgt Ion:142 Resp: 1349
Ion Ratio Lower Upper
142 100
127 35.1 33.9 50.9
141 11.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.671 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.006 min
Lab File: VX027642.D
Acq: 23 Mar 2022 03:20

Tgt Ion: 59 Resp: 550
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

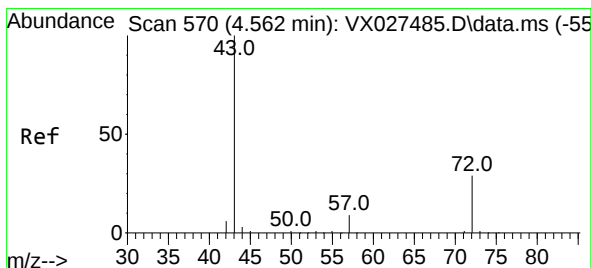
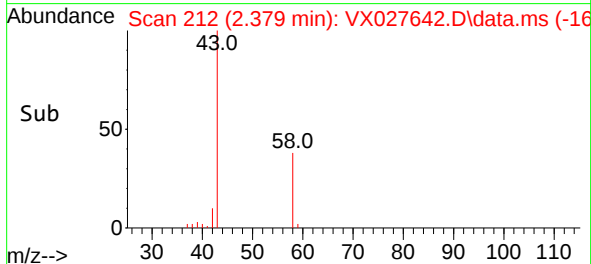
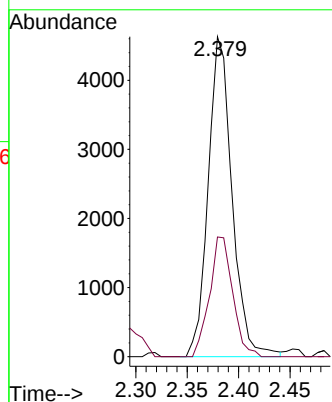
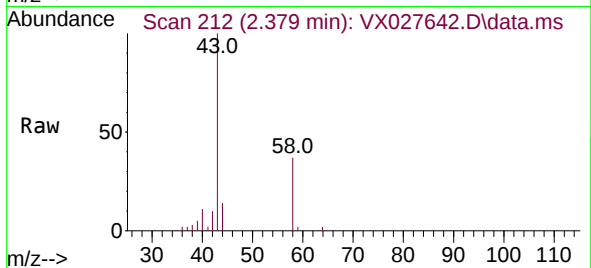




#16
Acetone
Concen: 4.261 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX027642.D
Acq: 23 Mar 2022 03:20

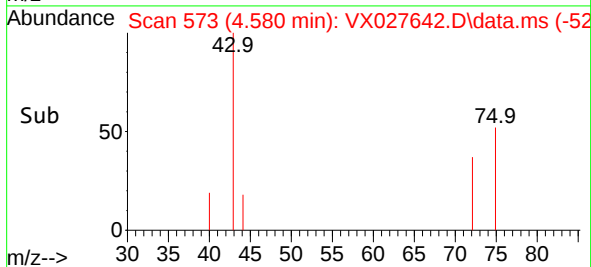
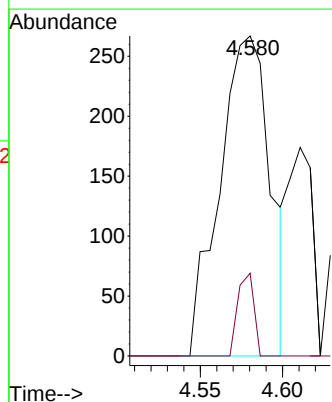
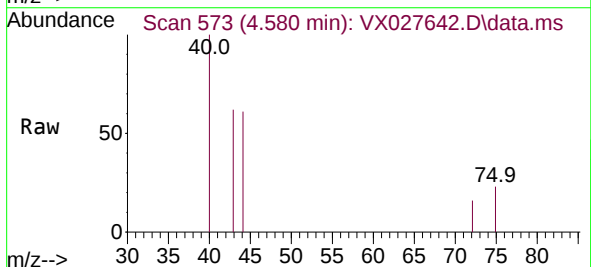
Instrument :
MSVOA_X
ClientSampleId :
MW-7

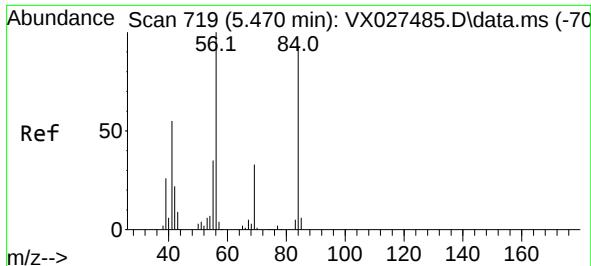
Tgt Ion: 43 Resp: 7476
Ion Ratio Lower Upper
43 100
58 37.4 28.8 43.2



#25
2-Butanone
Concen: 0.216 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.018 min
Lab File: VX027642.D
Acq: 23 Mar 2022 03:20

Tgt Ion: 43 Resp: 569
Ion Ratio Lower Upper
43 100
72 25.8 24.4 36.6

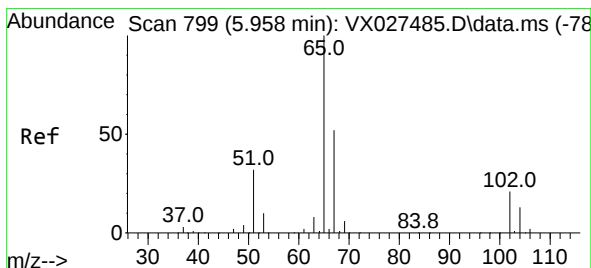
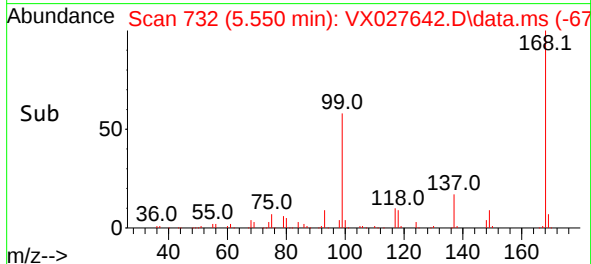
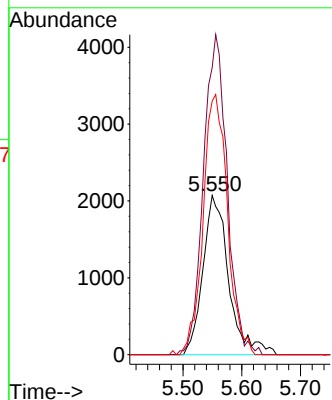
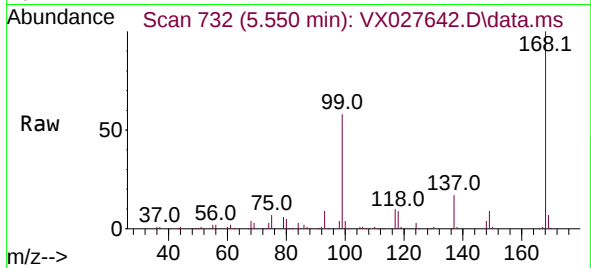




#31
Cyclohexane
Concen: 1.182 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX027642.D
Acq: 23 Mar 2022 03:20

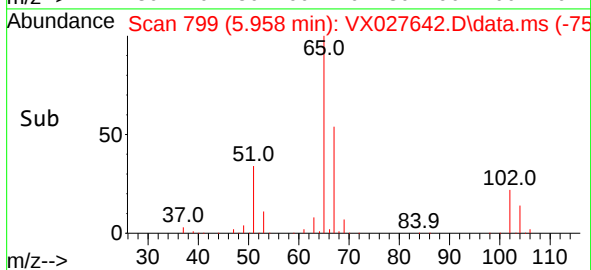
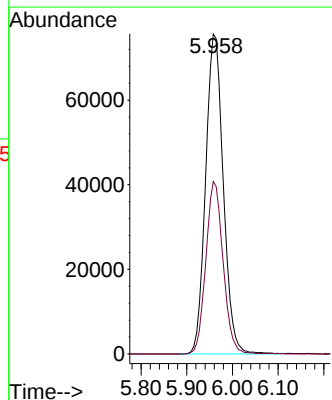
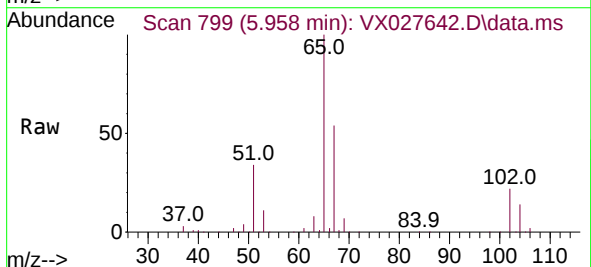
Instrument :
MSVOA_X
ClientSampleId :
MW-7

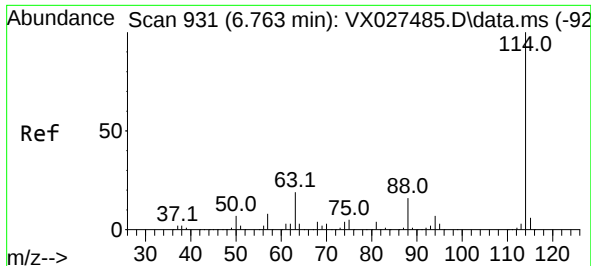
Tgt Ion: 56 Resp: 6315
Ion Ratio Lower Upper
56 100
69 180.4 26.7 40.1#
84 159.4 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 47.143 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX027642.D
Acq: 23 Mar 2022 03:20

Tgt Ion: 65 Resp: 202904
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.4

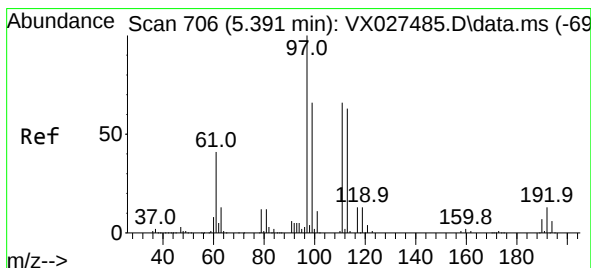
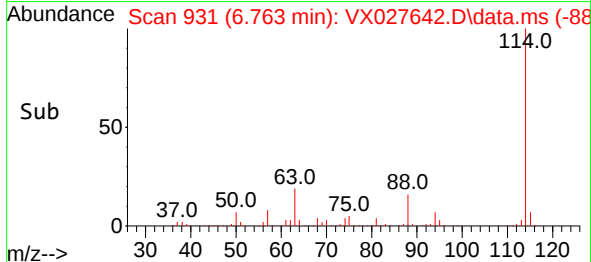
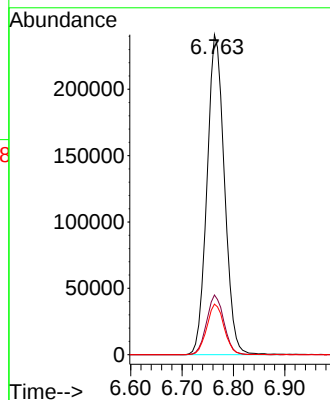
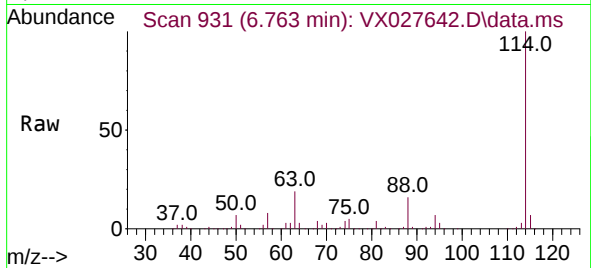




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX027642.D
Acq: 23 Mar 2022 03:20

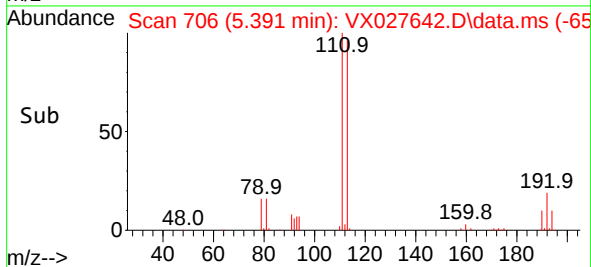
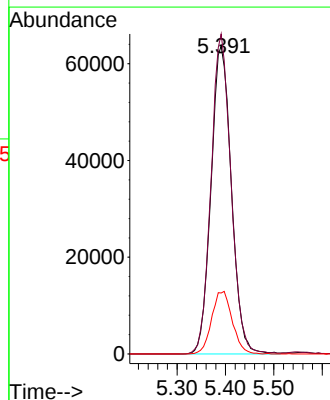
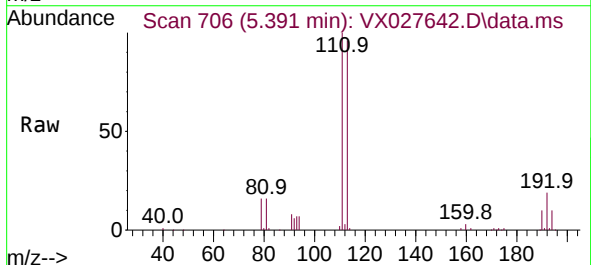
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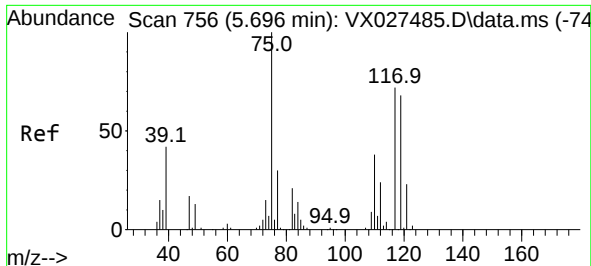
Tgt Ion:114 Resp: 567751
Ion Ratio Lower Upper
114 100
63 18.7 0.0 36.8
88 15.8 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.966 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX027642.D
Acq: 23 Mar 2022 03:20

Tgt Ion:113 Resp: 186168
Ion Ratio Lower Upper
113 100
111 101.9 82.8 124.2
192 20.5 16.9 25.3

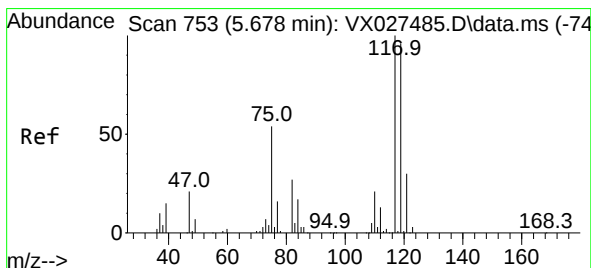
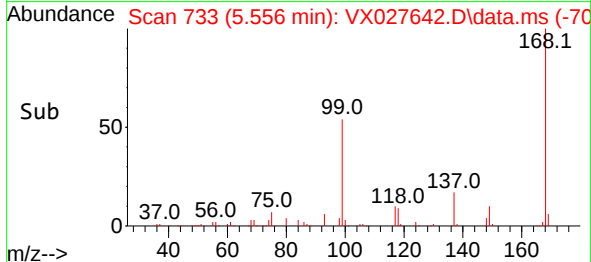
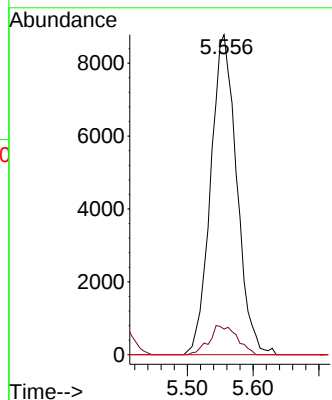
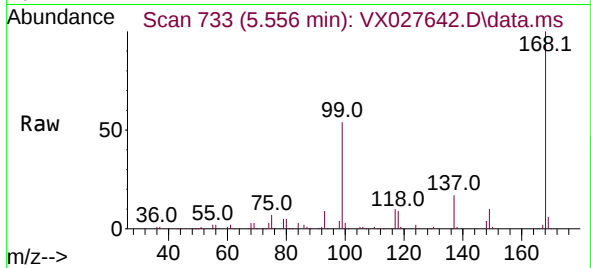




#36
1,1-Dichloropropene
Concen: 4.868 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX027642.D
Acq: 23 Mar 2022 03:20

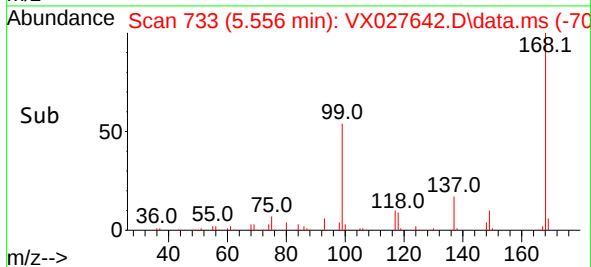
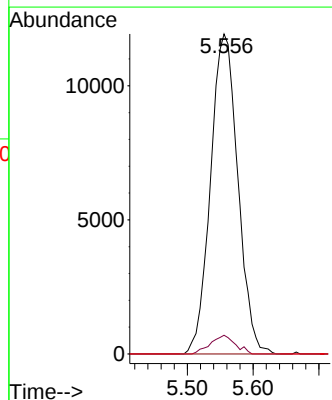
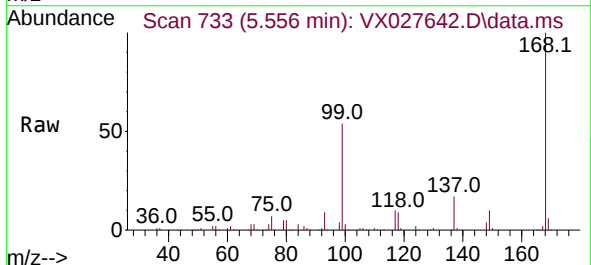
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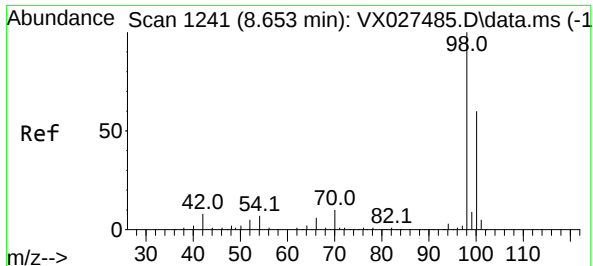
Tgt Ion: 75 Resp: 24298
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.043 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX027642.D
Acq: 23 Mar 2022 03:20

Tgt Ion: 117 Resp: 34511
Ion Ratio Lower Upper
117 100
119 5.9 77.3 115.9#
121 0.0 24.2 36.2#

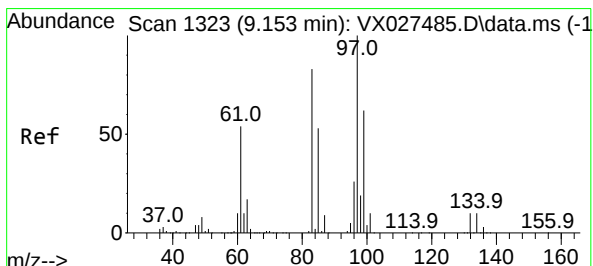
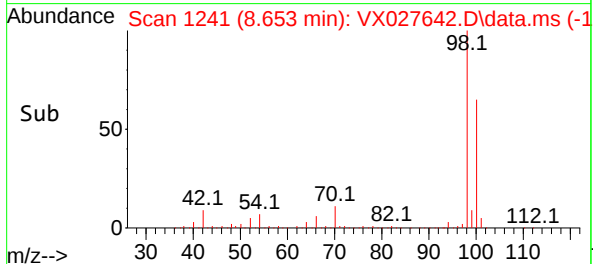
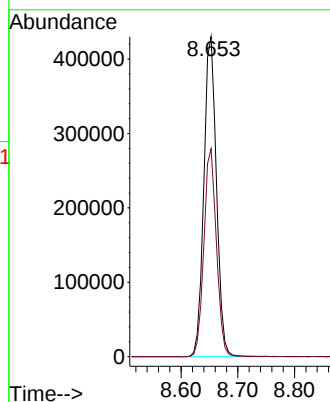
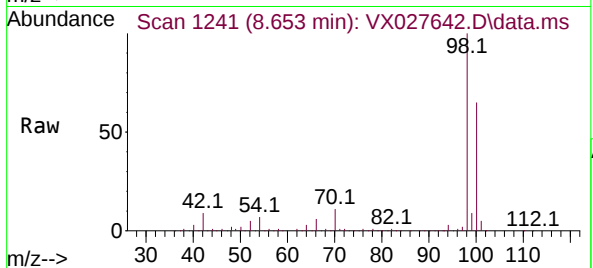




#50
Toluene-d8
Concen: 48.061 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027642.D
Acq: 23 Mar 2022 03:20

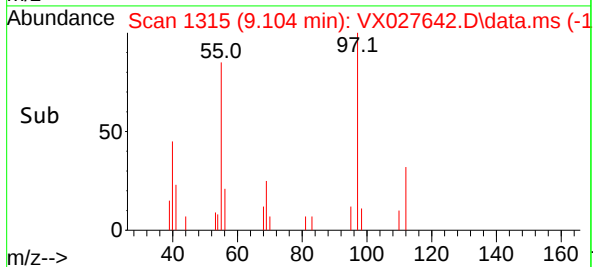
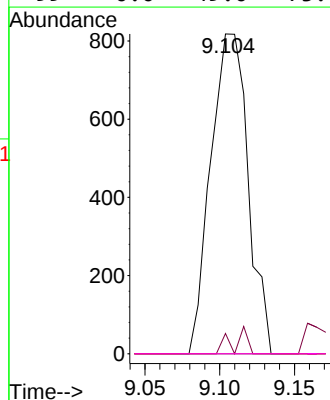
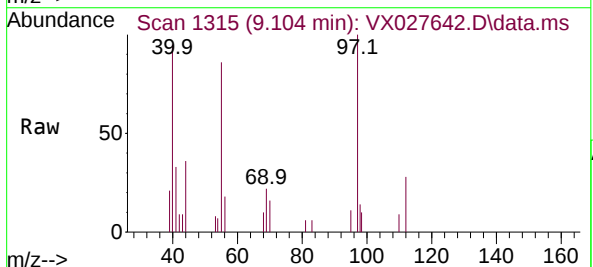
Instrument :
MSVOA_X
ClientSampleId :
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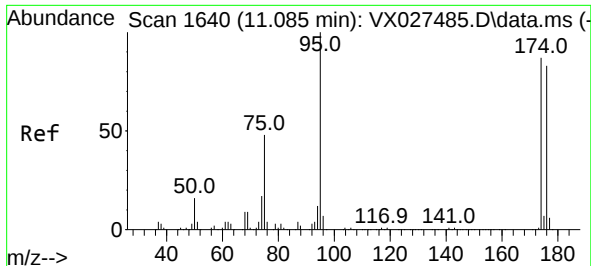
Tgt Ion: 98 Resp: 664333
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#55
1,1,2-Trichloroethane
Concen: 0.364 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.049 min
Lab File: VX027642.D
Acq: 23 Mar 2022 03:20

Tgt Ion: 97 Resp: 1421
Ion Ratio Lower Upper
97 100
83 6.4 66.2 99.4#
85 0.0 42.9 64.3#
99 0.0 49.0 73.6#

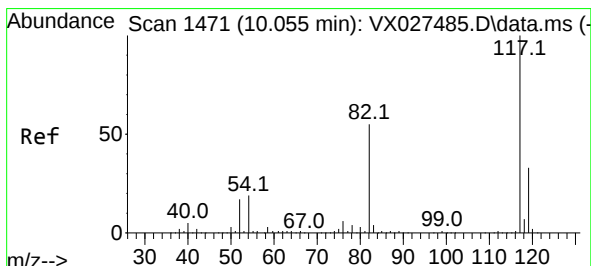
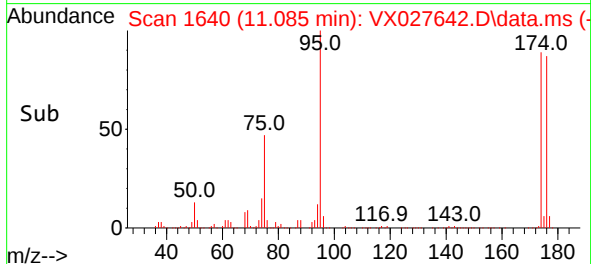
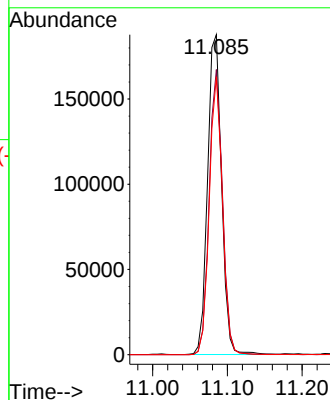
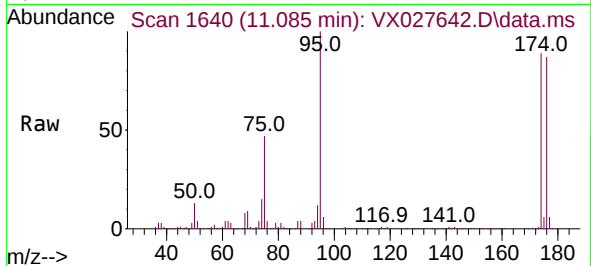




#62
4-Bromofluorobenzene
Concen: 47.983 ug/l
RT: 11.085 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX027642.D
Acq: 23 Mar 2022 03:20

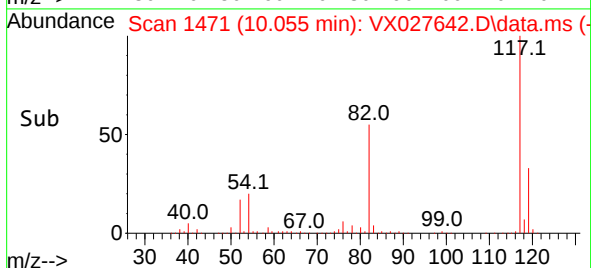
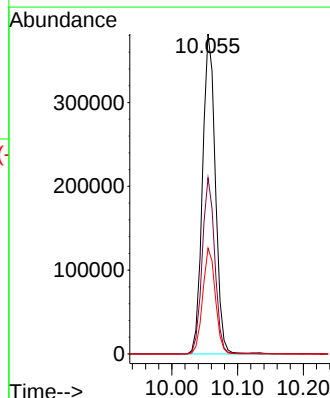
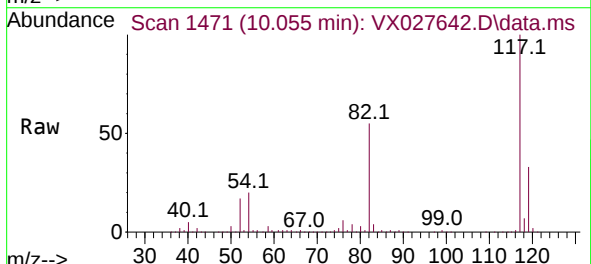
Instrument :
MSVOA_X
ClientSampleId :
MW-7

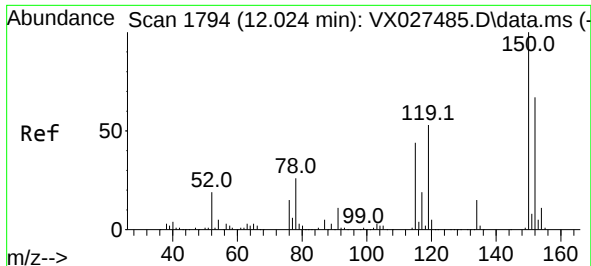
Tgt Ion: 95 Resp: 243779
Ion Ratio Lower Upper
95 100
174 85.2 0.0 163.0
176 82.0 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027642.D
Acq: 23 Mar 2022 03:20

Tgt Ion: 117 Resp: 517887
Ion Ratio Lower Upper
117 100
82 55.0 41.8 62.8
119 33.1 24.8 37.2

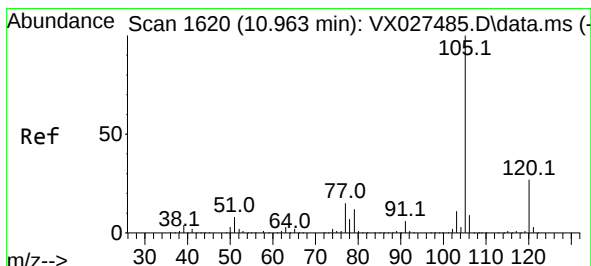
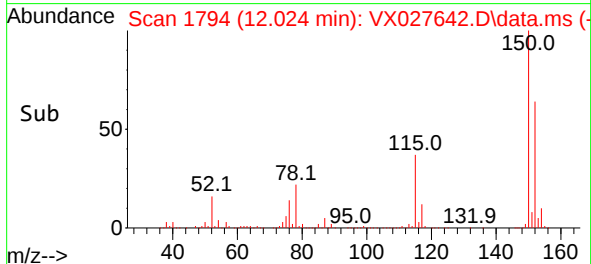
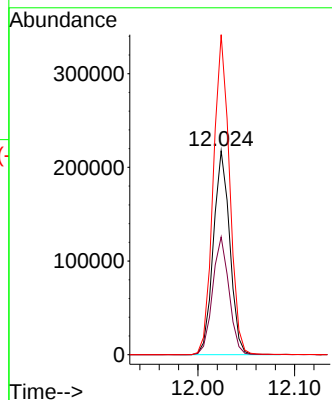
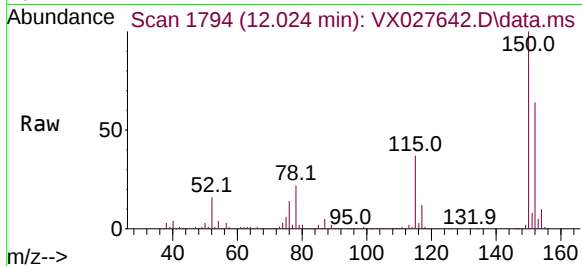




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027642.D
Acq: 23 Mar 2022 03:20

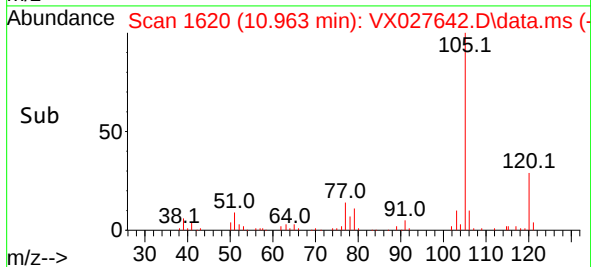
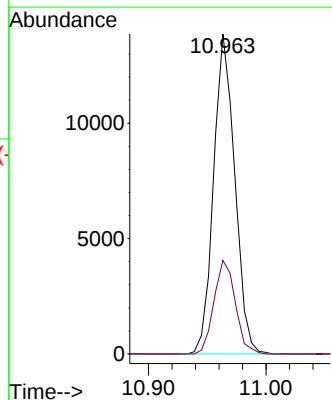
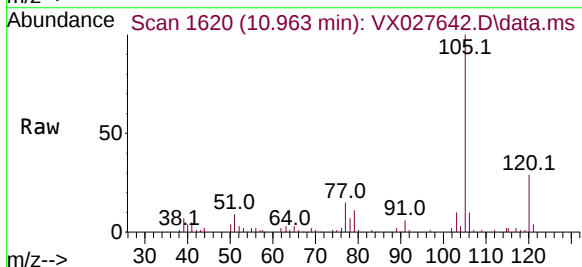
Instrument :
MSVOA_X
ClientSampleId :
MW-7

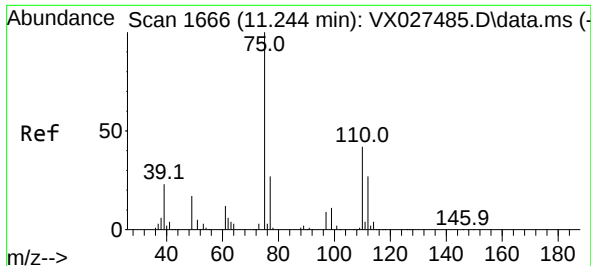
Tgt Ion:152 Resp: 256443
Ion Ratio Lower Upper
152 100
115 57.8 37.5 112.7
150 155.7 0.0 338.2



#73
Isopropylbenzene
Concen: 0.929 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX027642.D
Acq: 23 Mar 2022 03:20

Tgt Ion:105 Resp: 17355
Ion Ratio Lower Upper
105 100
120 29.4 13.5 40.5

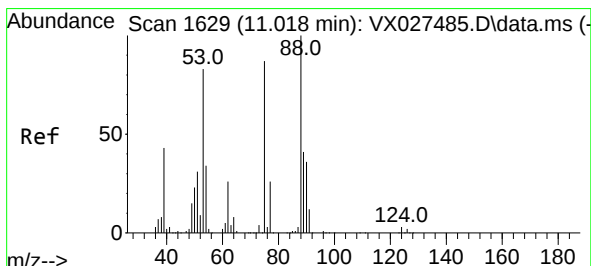
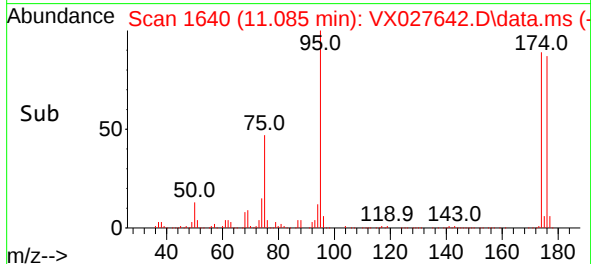
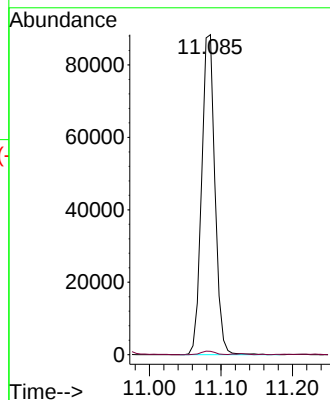
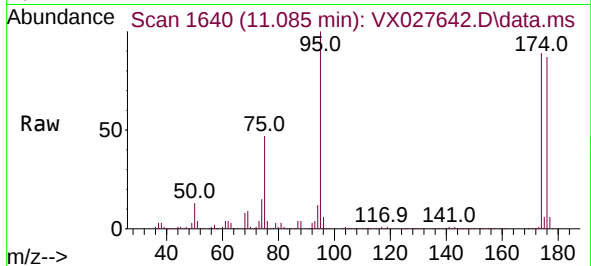




#76
1,2,3-Trichloropropane
Concen: 21.303 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX027642.D
Acq: 23 Mar 2022 03:20

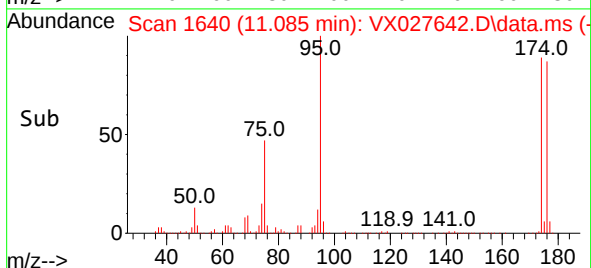
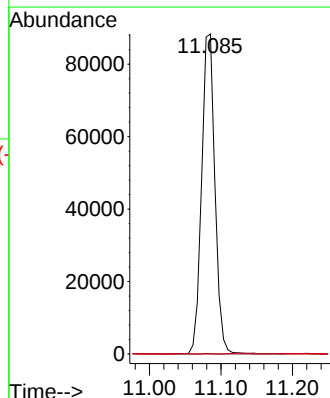
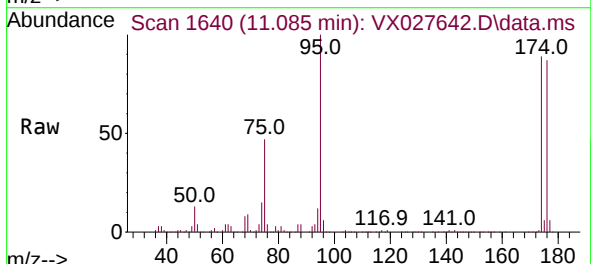
Instrument :
MSVOA_X
ClientSampleId :
MW-7

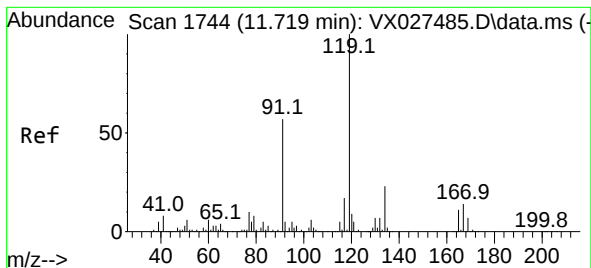
Tgt Ion: 75 Resp: 114265
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.696 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX027642.D
Acq: 23 Mar 2022 03:20

Tgt Ion: 75 Resp: 114265
Ion Ratio Lower Upper
75 100
53 0.1 69.0 103.4#
89 0.0 37.0 55.6#





#83

tert-Butylbenzene

Concen: 0.305 ug/l

RT: 11.719 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX027642.D

Acq: 23 Mar 2022 03:20

Instrument :

MSVOA_X

ClientSampleId :

MW-7

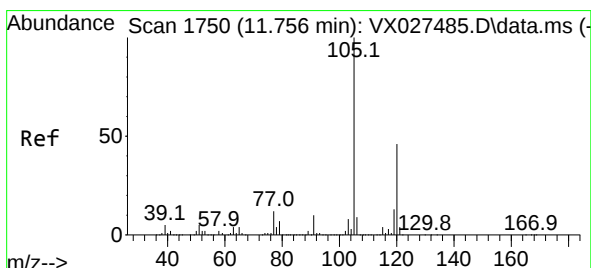
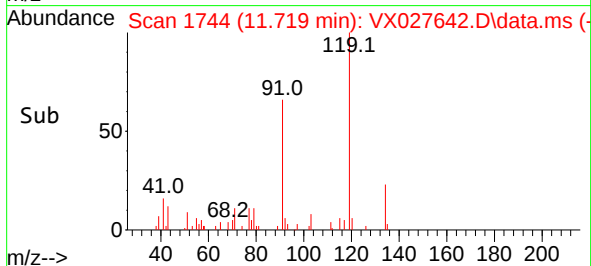
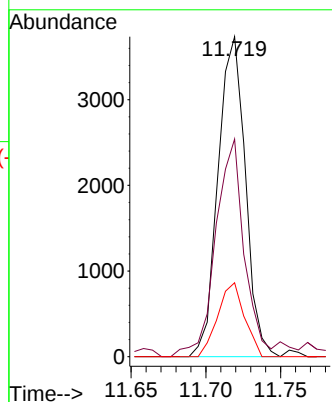
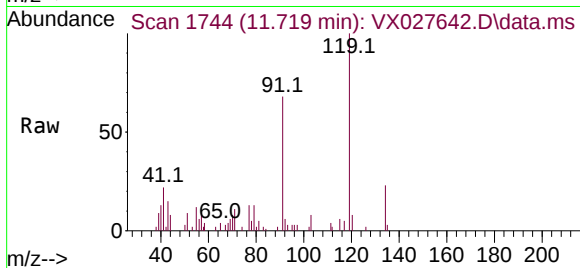
Tgt Ion:119 Resp: 4753

Ion Ratio Lower Upper

119 100

91 73.7 26.9 80.6

134 22.5 11.4 34.2



#84

1,2,4-Trimethylbenzene

Concen: 0.355 ug/l

RT: 11.616 min Scan# 1727

Delta R.T. -0.140 min

Lab File: VX027642.D

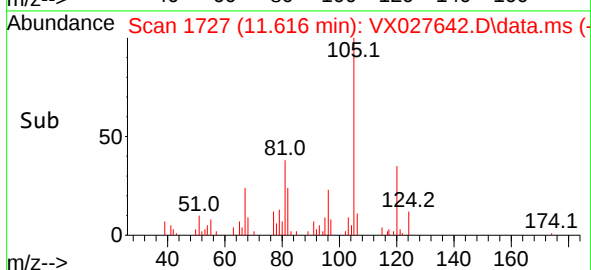
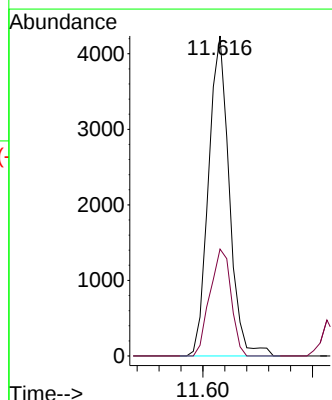
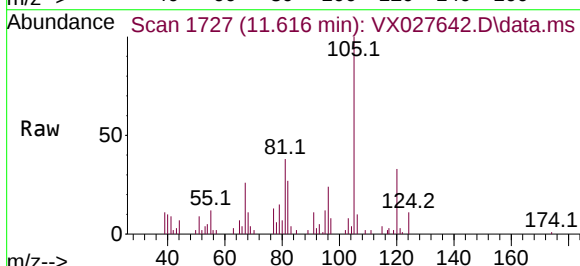
Acq: 23 Mar 2022 03:20

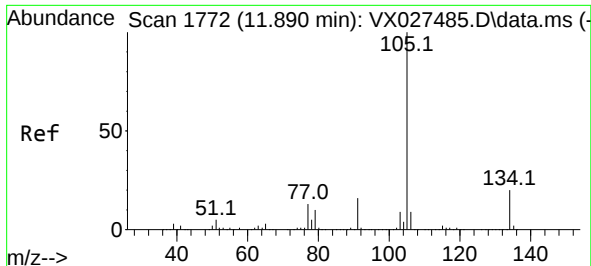
Tgt Ion:105 Resp: 5559

Ion Ratio Lower Upper

105 100

120 34.2 22.6 67.8

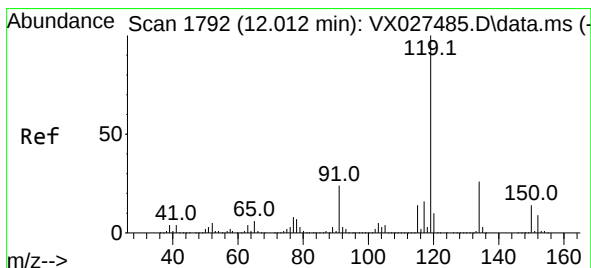
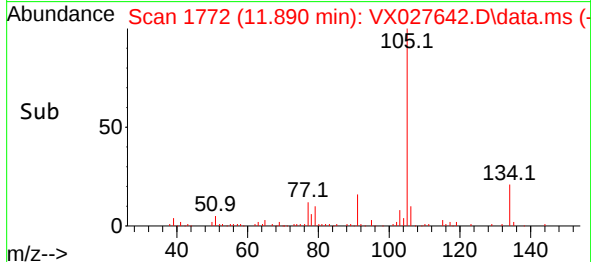
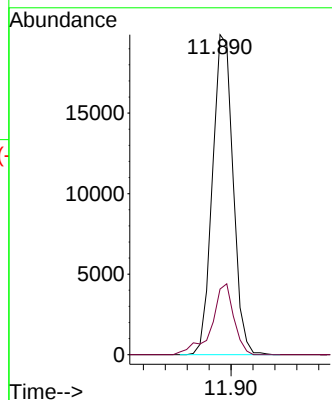
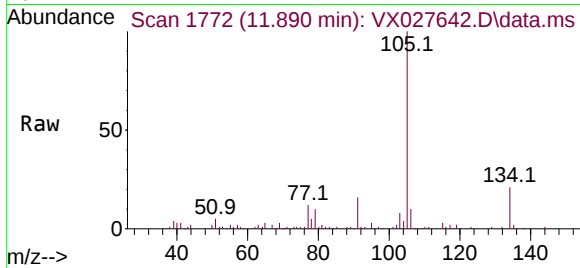




#85
 sec-Butylbenzene
 Concen: 1.376 ug/l
 RT: 11.890 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX027642.D
 Acq: 23 Mar 2022 03:20

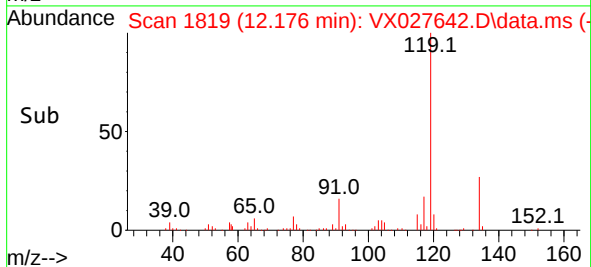
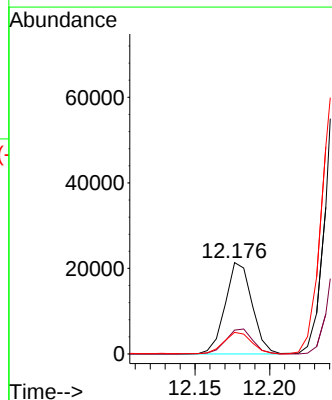
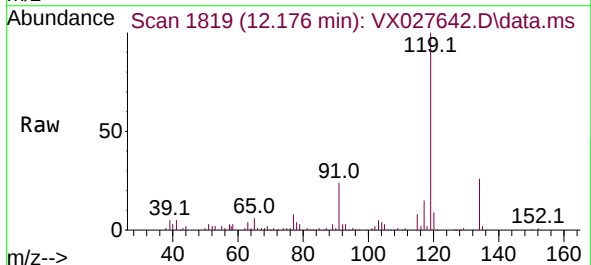
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

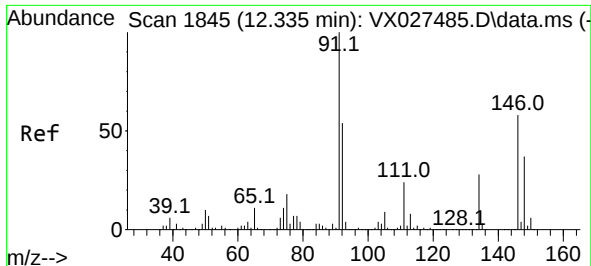
Tgt Ion:105 Resp: 25900
 Ion Ratio Lower Upper
 105 100
 134 23.8 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 1.649 ug/l
 RT: 12.176 min Scan# 1819
 Delta R.T. 0.165 min
 Lab File: VX027642.D
 Acq: 23 Mar 2022 03:20

Tgt Ion:119 Resp: 26659
 Ion Ratio Lower Upper
 119 100
 134 27.6 13.0 39.0
 91 24.8 11.3 33.9





#89

n-Butylbenzene

Concen: 0.201 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. -0.018 min

Lab File: VX027642.D

Acq: 23 Mar 2022 03:20

Instrument :

MSVOA_X

ClientSampleId :

MW-7

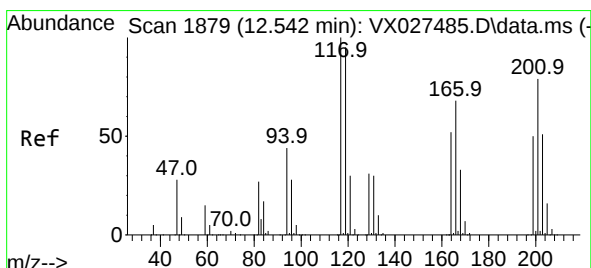
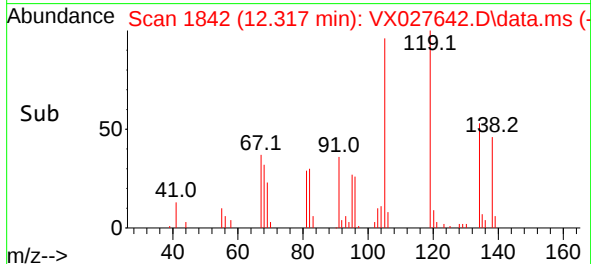
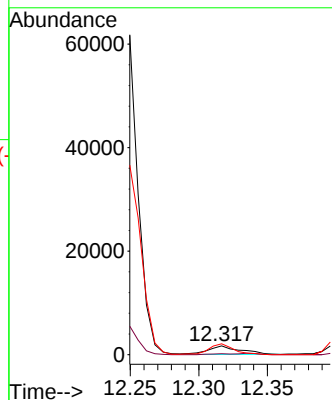
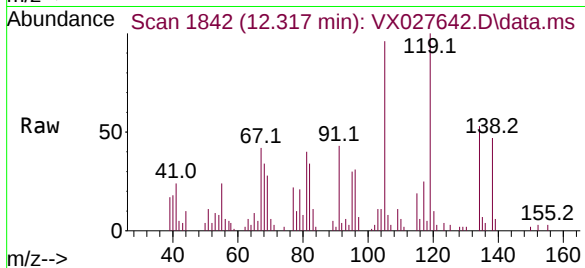
Tgt Ion: 91 Resp: 2714

Ion Ratio Lower Upper

91 100

92 16.5 27.8 83.3#

134 98.8 13.3 39.8#



#90

Hexachloroethane

Concen: 29.042 ug/l

RT: 12.646 min Scan# 1896

Delta R.T. 0.104 min

Lab File: VX027642.D

Acq: 23 Mar 2022 03:20

Tgt Ion: 117 Resp: 74868

Ion Ratio Lower Upper

117 100

201 0.0 39.5 118.5#

