

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040222\
 Data File : VX027939.D
 Acq On : 02 Apr 2022 17:28
 Operator : JC/MD
 Sample : N2249-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Quant Time: Apr 04 04:17:00 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)

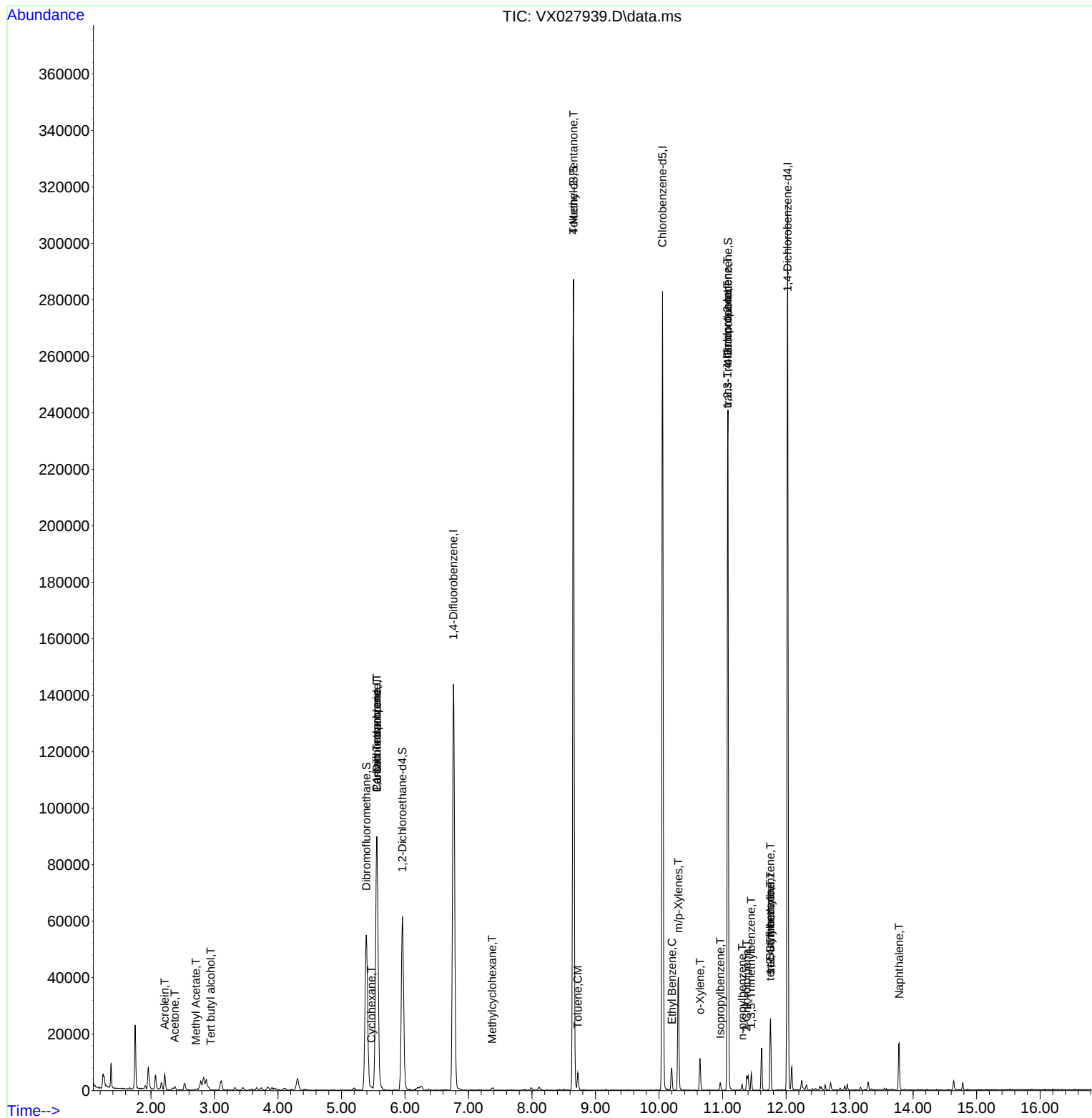
Internal Standards						
1) Pentafluorobenzene	5.556	168	78874	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	139405	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	130233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	60568	59.515	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 119.040%	
35) Dibromofluoromethane	5.391	113	47456	52.739	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 105.480%	
50) Toluene-d8	8.653	98	166888	52.713	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.420%	
62) 4-Bromofluorobenzene	11.085	95	67437	50.123	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 100.240%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.941	59	41	0.210	ug/l	# 72
13) Acrolein	2.215	56	180	1.229	ug/l	# 1
16) Acetone	2.374	43	1710	3.797	ug/l	# 75
18) Methyl Acetate	2.709	43	227	0.204	ug/l	# 46
31) Cyclohexane	5.471	56	424	0.377	ug/l	# 72
36) 1,1-Dichloropropene	5.556	75	7023	6.197	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	8967	7.161	ug/l	# 15
39) Methylcyclohexane	7.373	83	473	0.355	ug/l	# 84
51) 4-Methyl-2-Pentanone	8.653	43	877	0.562	ug/l	# 1
52) Toluene	8.720	92	2128	0.984	ug/l	91
67) Ethyl Benzene	10.201	91	5184	1.114	ug/l	94
68) m/p-Xylenes	10.305	106	9685	5.658	ug/l	94
69) o-Xylene	10.646	106	2662	1.592	ug/l	96
73) Isopropylbenzene	10.963	105	1582	0.345	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	34220	23.681	ug/l	# 38
78) n-propylbenzene	11.311	91	1576	0.288	ug/l	99
79) 2-Chlorotoluene	11.378	91	693	0.201	ug/l	# 40
80) 1,3,5-Trimethylbenzene	11.451	105	2983	0.750	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	34220	69.714	ug/l	# 15
83) tert-Butylbenzene	11.750	119	1448	0.376	ug/l	# 62
84) 1,2,4-Trimethylbenzene	11.756	105	11778	2.968	ug/l	96
85) sec-Butylbenzene	11.756	105	11778	2.480	ug/l	# 56
95) Naphthalene	13.780	128	10492	2.417	ug/l	99

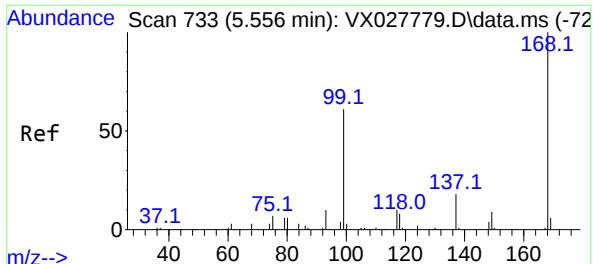
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 04 04:17:00 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

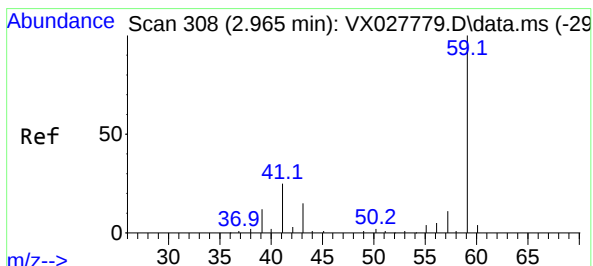
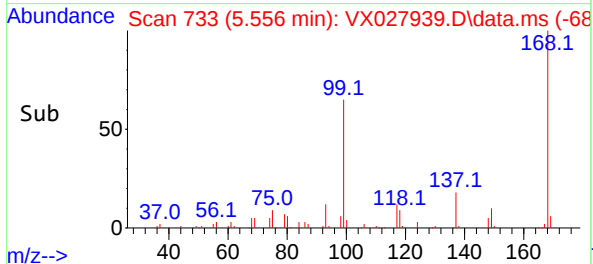
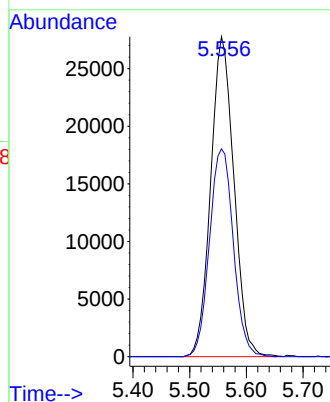
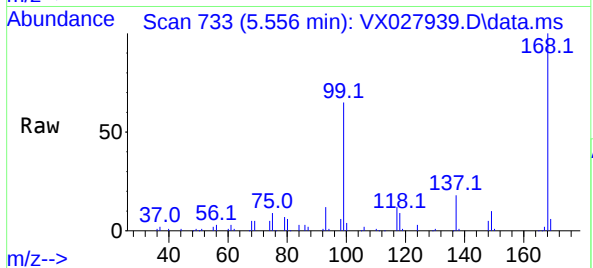




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027939.D
Acq: 02 Apr 2022 17:28

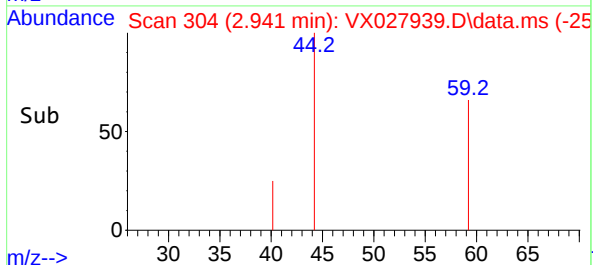
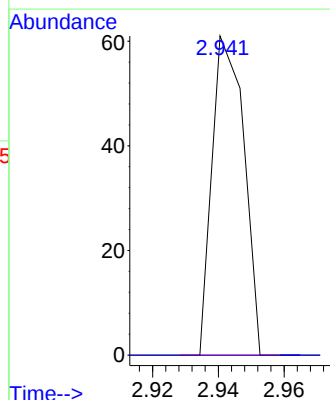
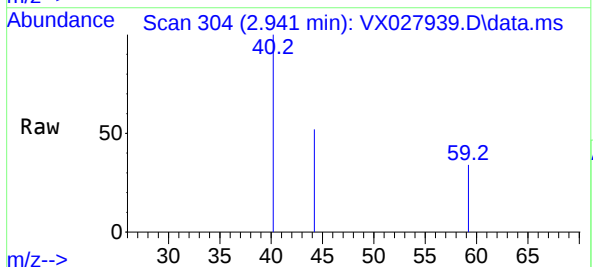
Instrument :
MSVOA_X
ClientSampleId :
MW-3

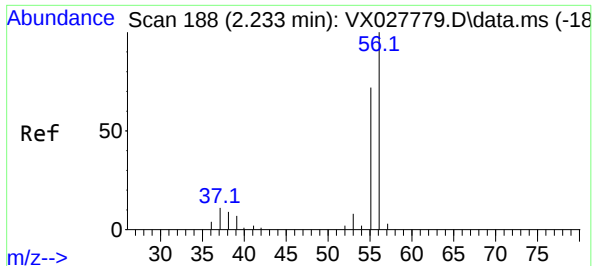
Tgt Ion:168 Resp: 78874
Ion Ratio Lower Upper
168 100
99 65.0 41.7 62.5#



#11
Tert butyl alcohol
Concen: 0.210 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX027939.D
Acq: 02 Apr 2022 17:28

Tgt Ion: 59 Resp: 41
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 1.229 ug/l

RT: 2.215 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX027939.D

Acq: 02 Apr 2022 17:28

Instrument :

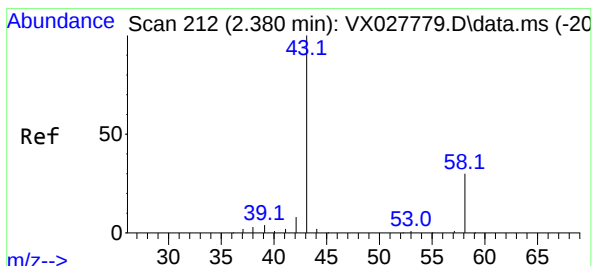
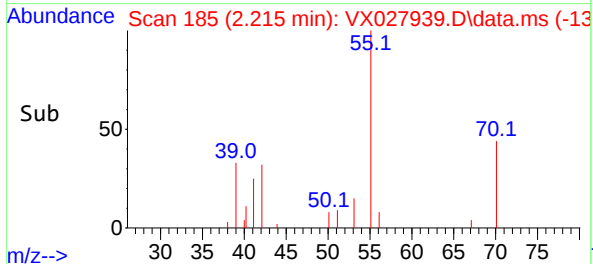
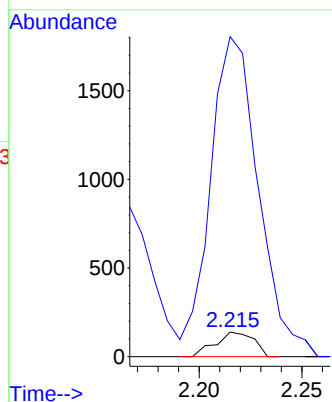
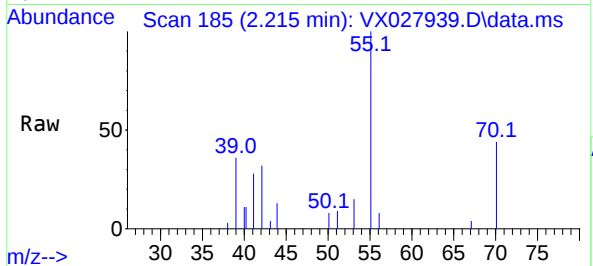
MSVOA_X

ClientSampleId :

MW-3

Tgt Ion: 56 Resp: 180

Ion	Ratio	Lower	Upper
56	100		
55	1626.7	55.0	82.6#



#16

Acetone

Concen: 3.797 ug/l

RT: 2.374 min Scan# 211

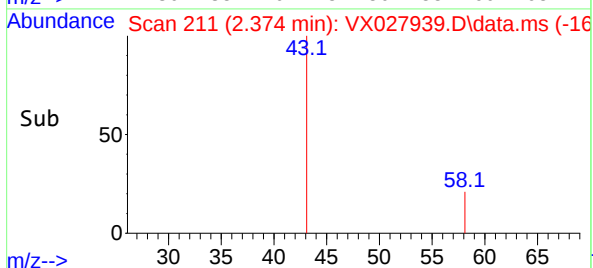
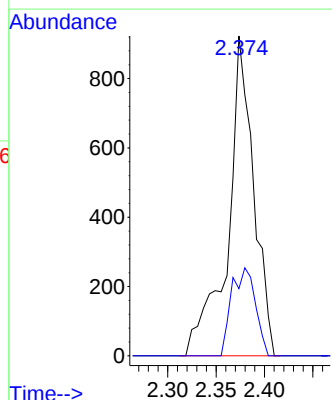
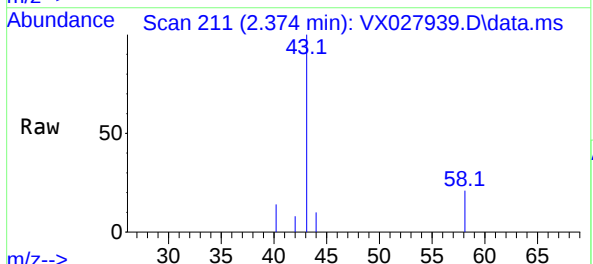
Delta R.T. -0.006 min

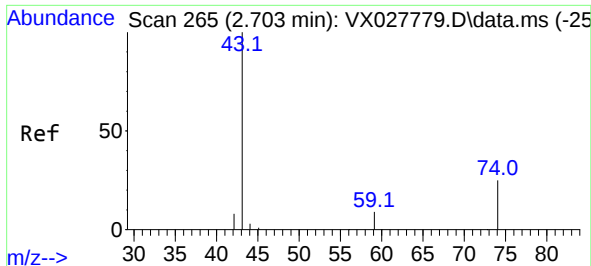
Lab File: VX027939.D

Acq: 02 Apr 2022 17:28

Tgt Ion: 43 Resp: 1710

Ion	Ratio	Lower	Upper
43	100		
58	21.0	28.8	43.2#





#18

Methyl Acetate

Concen: 0.204 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX027939.D

Acq: 02 Apr 2022 17:28

Instrument :

MSVOA_X

ClientSampleId :

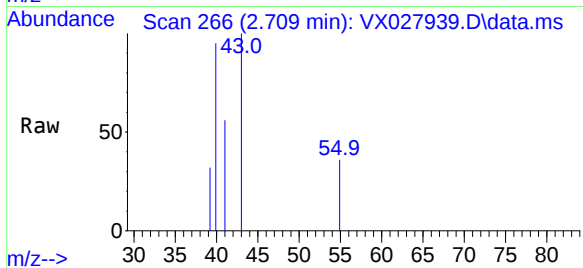
MW-3

Tgt Ion: 43 Resp: 227

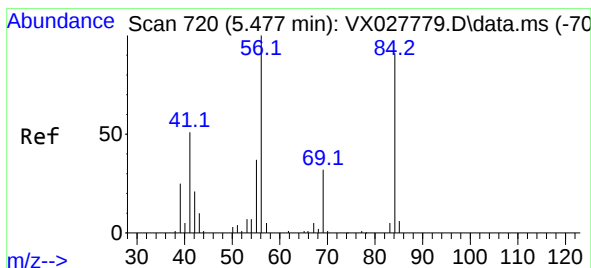
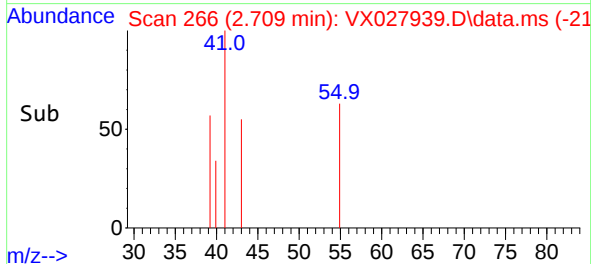
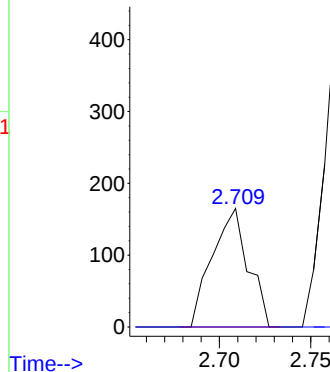
Ion Ratio Lower Upper

43 100

74 0.0 22.8 34.2#



Abundance



#31

Cyclohexane

Concen: 0.377 ug/l

RT: 5.471 min Scan# 719

Delta R.T. -0.006 min

Lab File: VX027939.D

Acq: 02 Apr 2022 17:28

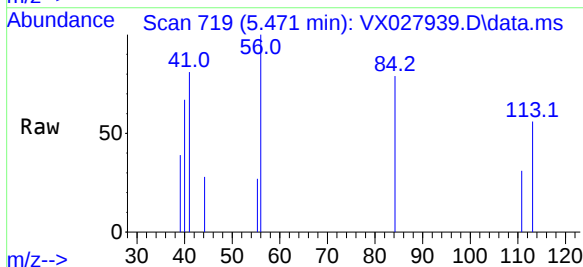
Tgt Ion: 56 Resp: 424

Ion Ratio Lower Upper

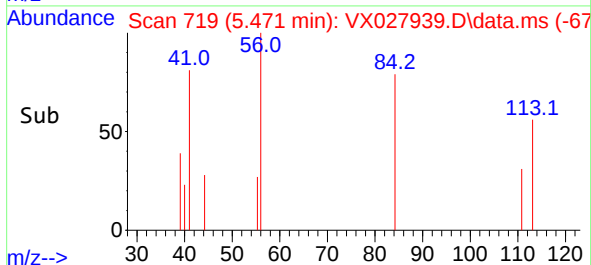
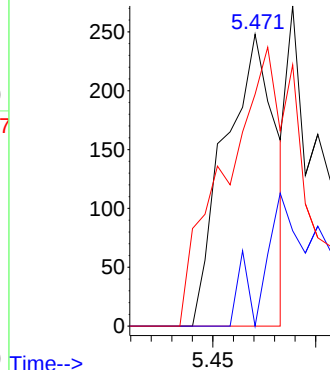
56 100

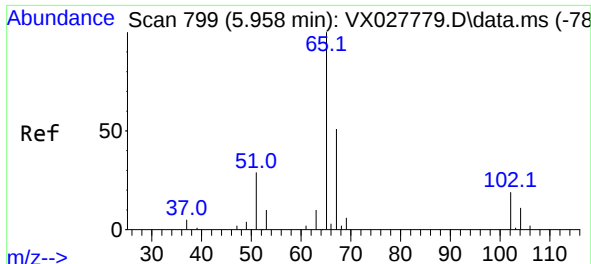
69 0.0 26.7 40.1#

84 79.4 77.2 115.8



Abundance





#33

1,2-Dichloroethane-d4

Concen: 59.515 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027939.D

Acq: 02 Apr 2022 17:28

Instrument :

MSVOA_X

ClientSampleId :

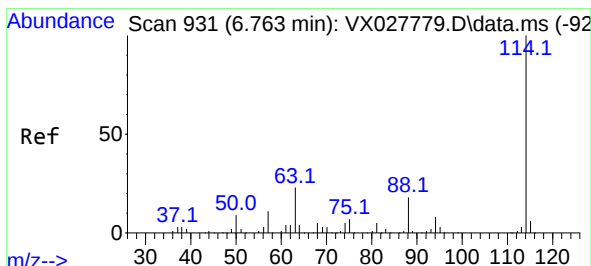
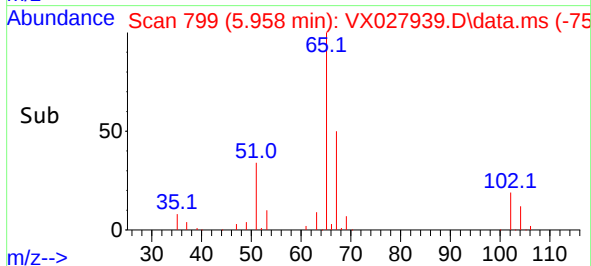
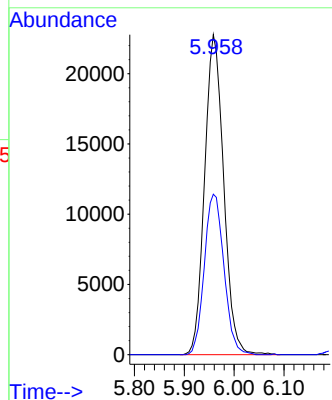
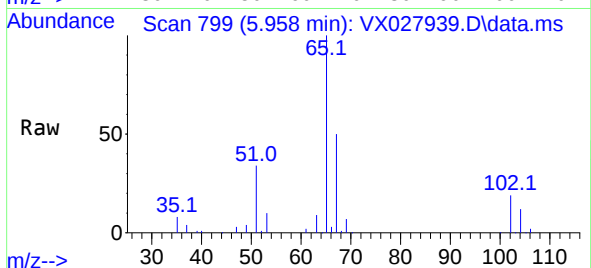
MW-3

Tgt Ion: 65 Resp: 60568

Ion Ratio Lower Upper

65 100

67 51.5 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: VX027939.D

Acq: 02 Apr 2022 17:28

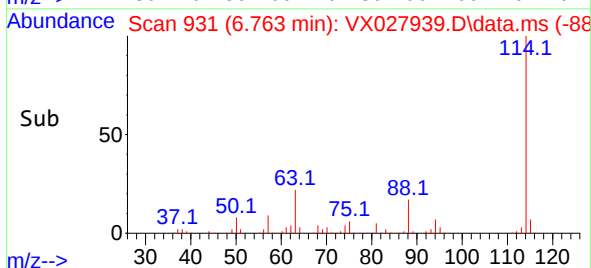
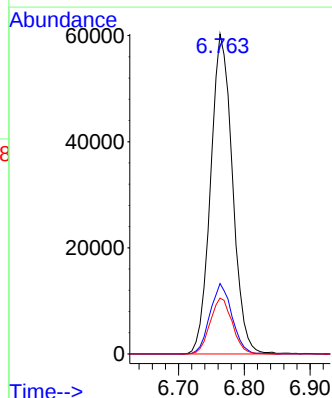
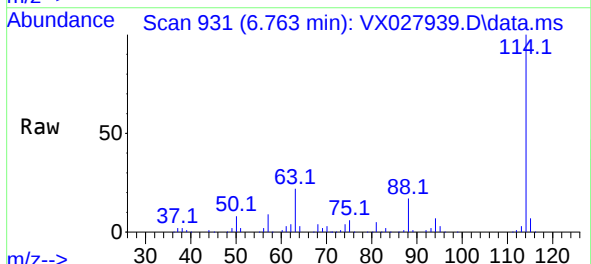
Tgt Ion: 114 Resp: 139405

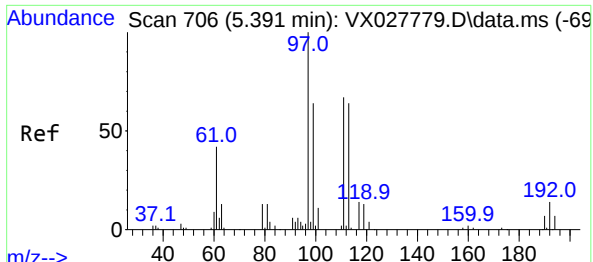
Ion Ratio Lower Upper

114 100

63 22.0 0.0 36.8

88 17.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.739 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027939.D

Acq: 02 Apr 2022 17:28

Instrument :

MSVOA_X

ClientSampleId :

MW-3

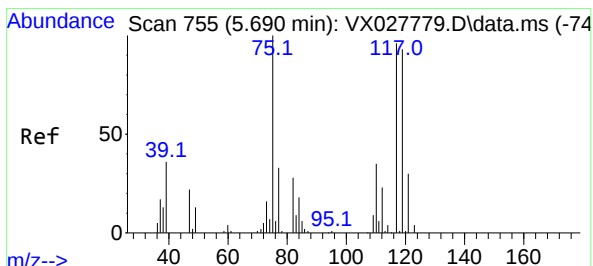
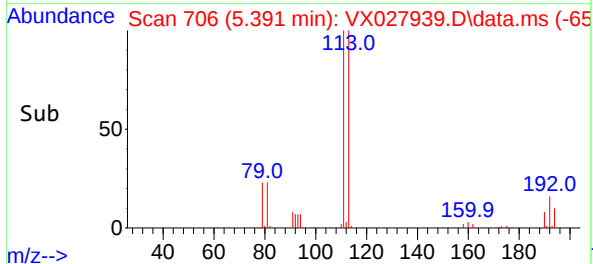
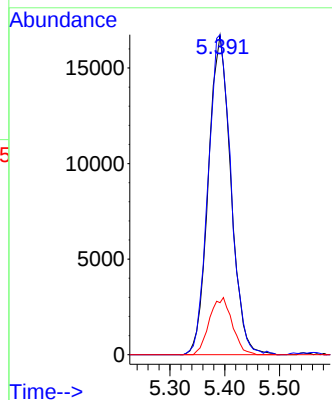
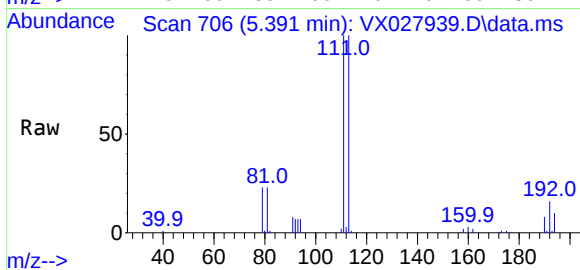
Tgt Ion:113 Resp: 47456

Ion Ratio Lower Upper

113 100

111 101.3 82.8 124.2

192 18.2 16.9 25.3



#36

1,1-Dichloropropene

Concen: 6.197 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX027939.D

Acq: 02 Apr 2022 17:28

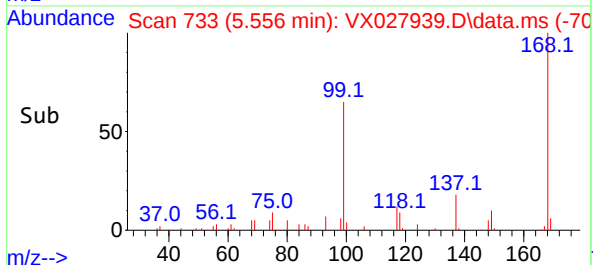
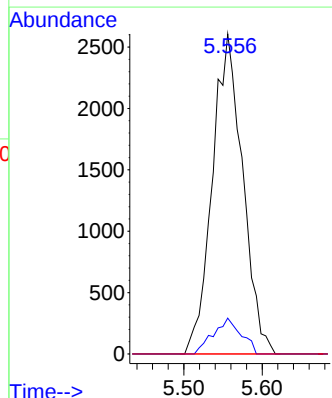
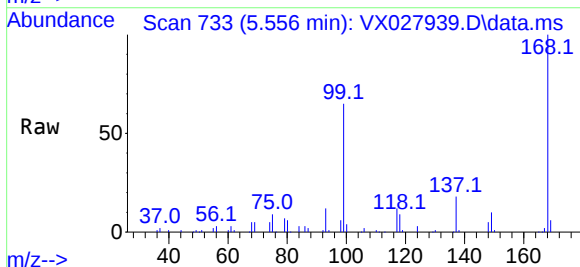
Tgt Ion: 75 Resp: 7023

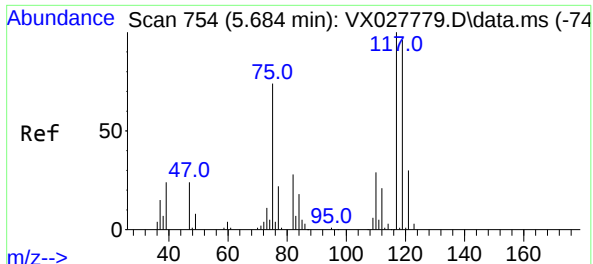
Ion Ratio Lower Upper

75 100

110 10.3 18.3 54.8#

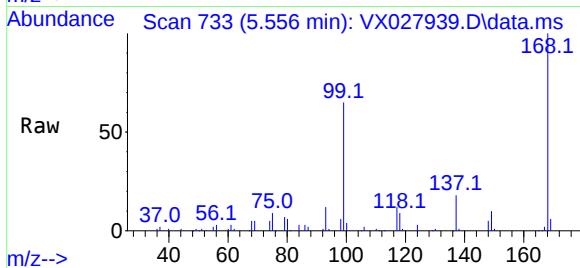
77 0.0 24.8 37.2#



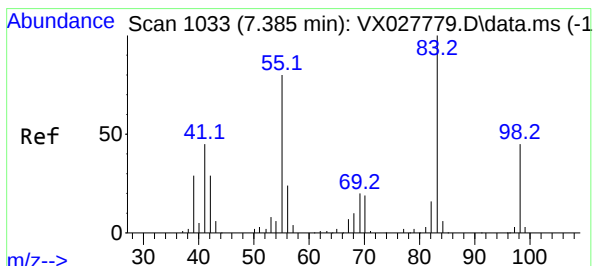
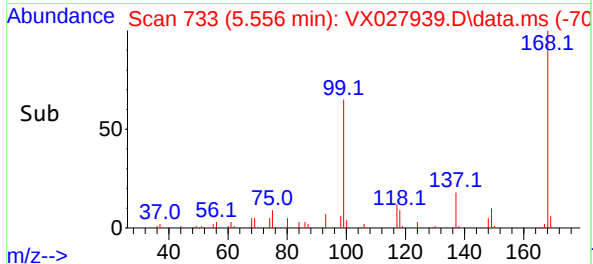
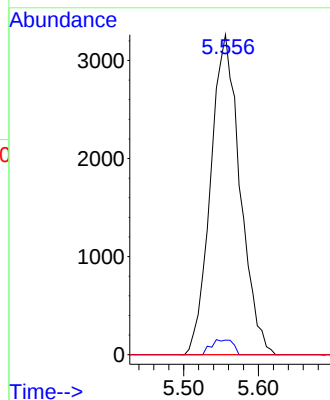


#38
Carbon Tetrachloride
Concen: 7.161 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX027939.D
Acq: 02 Apr 2022 17:28

Instrument :
MSVOA_X
ClientSampleId :
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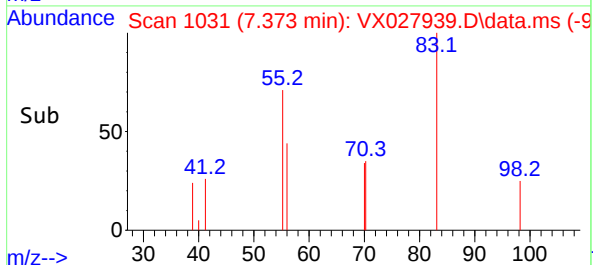
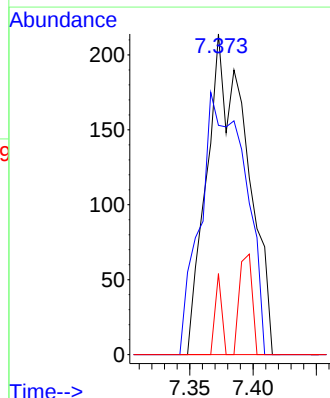
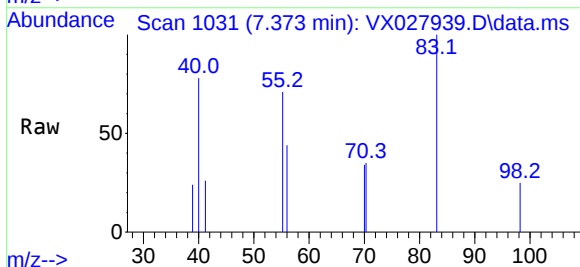


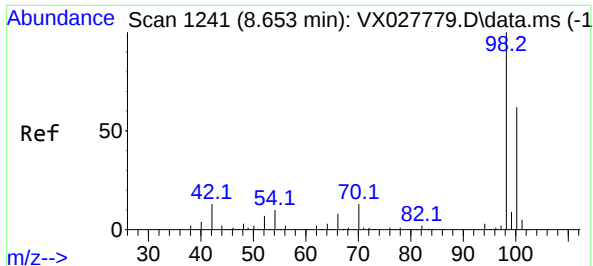
Tgt Ion:117 Resp: 8967
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.355 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VX027939.D
Acq: 02 Apr 2022 17:28

Tgt Ion: 83 Resp: 473
Ion Ratio Lower Upper
83 100
55 71.5 54.6 81.8
98 25.2 37.4 56.2#

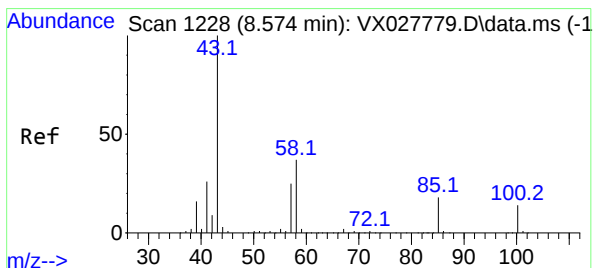
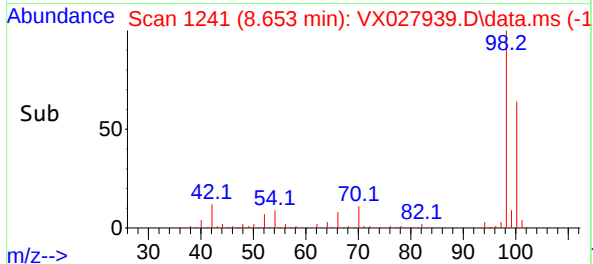
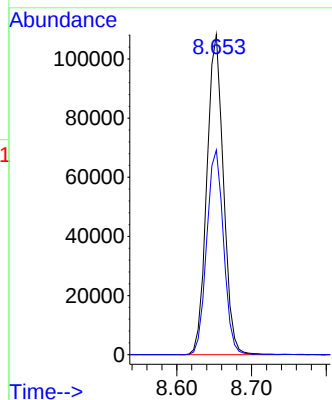
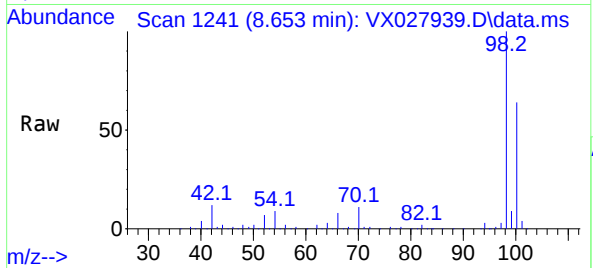




#50
Toluene-d8
Concen: 52.713 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027939.D
Acq: 02 Apr 2022 17:28

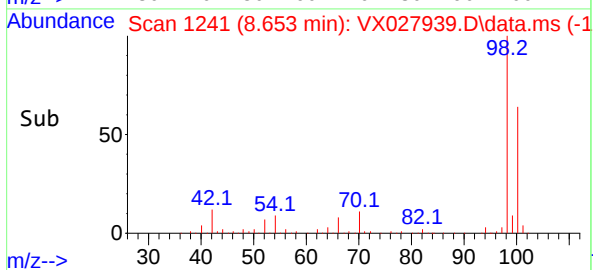
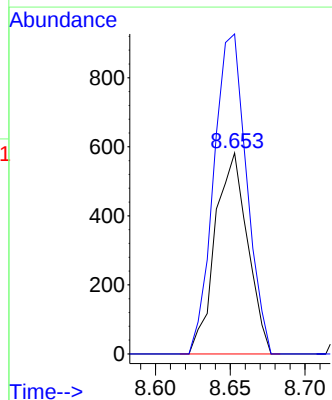
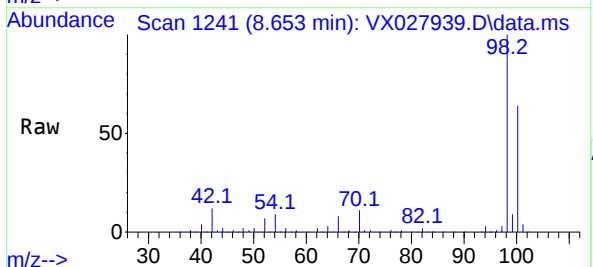
Instrument :
MSVOA_X
ClientSampleId :
MW-3

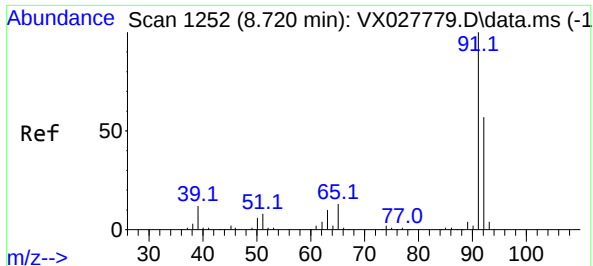
Tgt Ion: 98 Resp: 166888
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.562 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX027939.D
Acq: 02 Apr 2022 17:28

Tgt Ion: 43 Resp: 877
Ion Ratio Lower Upper
43 100
58 161.6 36.1 54.1#

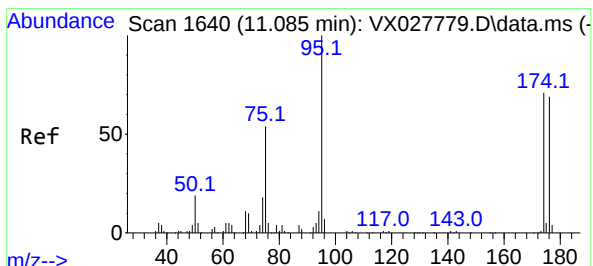
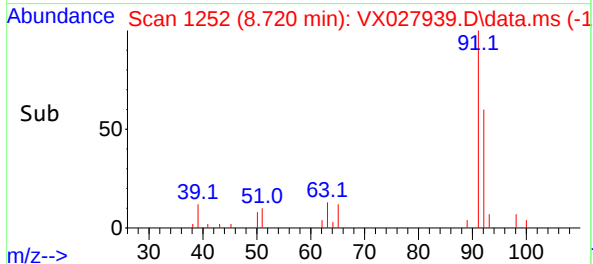
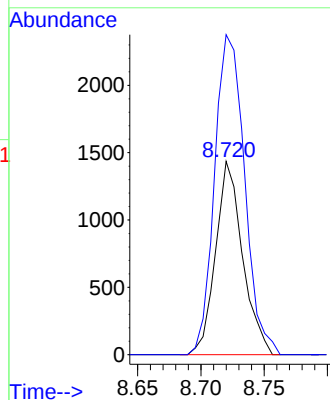
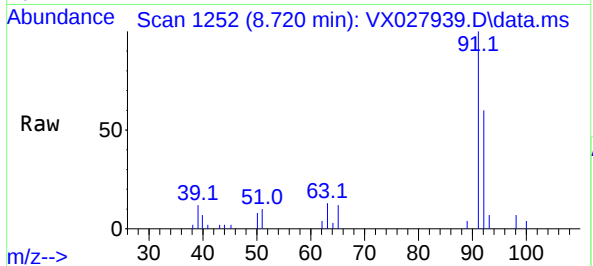




#52
Toluene
Concen: 0.984 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027939.D
Acq: 02 Apr 2022 17:28

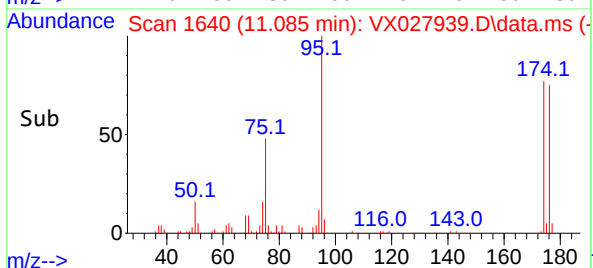
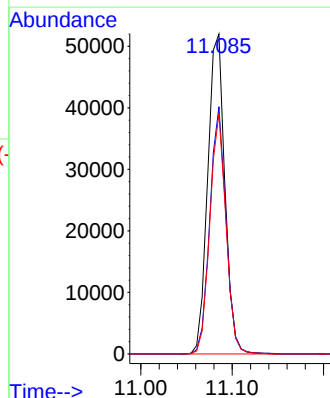
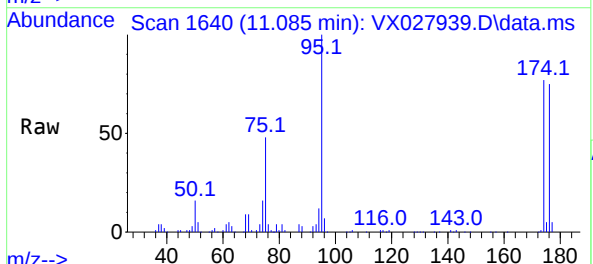
Instrument :
MSVOA_X
ClientSampleId :
MW-3

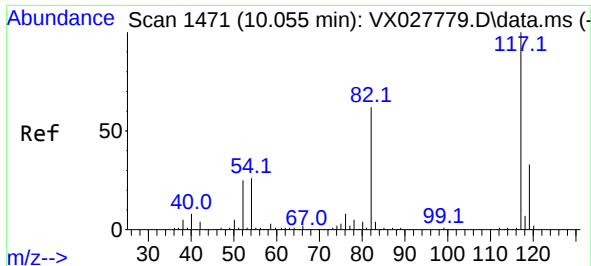
Tgt Ion: 92 Resp: 2128
Ion Ratio Lower Upper
92 100
91 184.4 137.5 206.3



#62
4-Bromofluorobenzene
Concen: 50.123 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX027939.D
Acq: 02 Apr 2022 17:28

Tgt Ion: 95 Resp: 67437
Ion Ratio Lower Upper
95 100
174 73.3 0.0 163.0
176 70.6 0.0 155.0

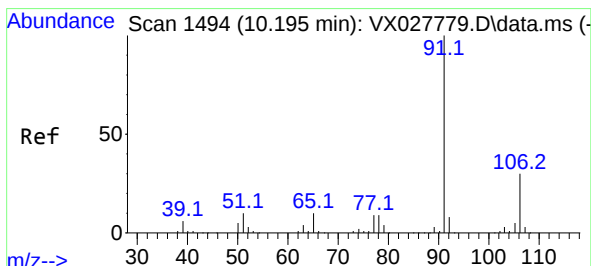
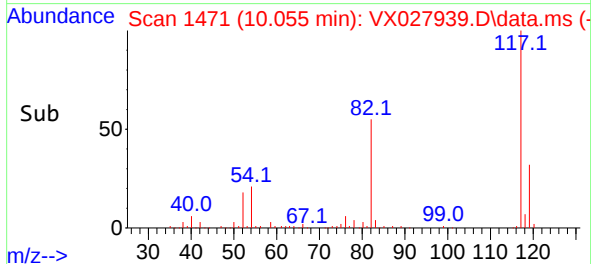
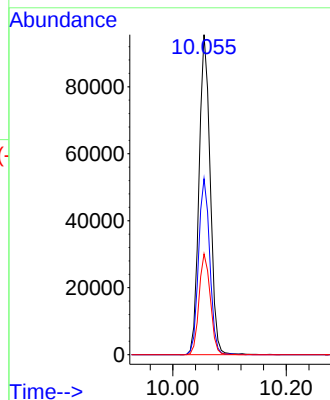
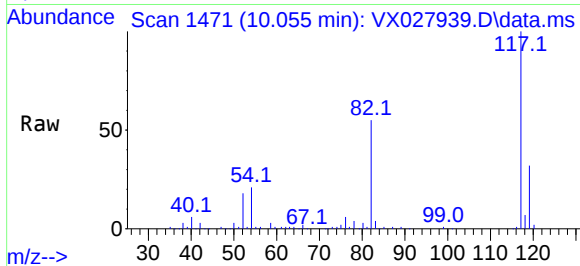




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027939.D
Acq: 02 Apr 2022 17:28

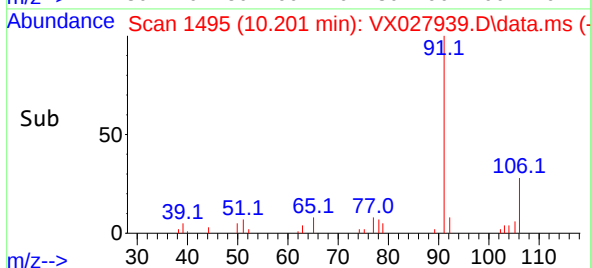
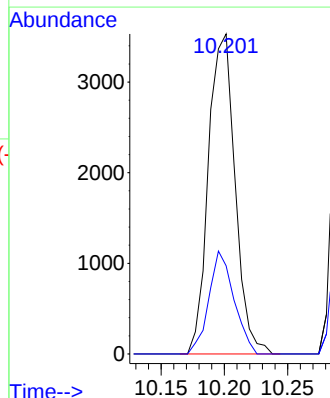
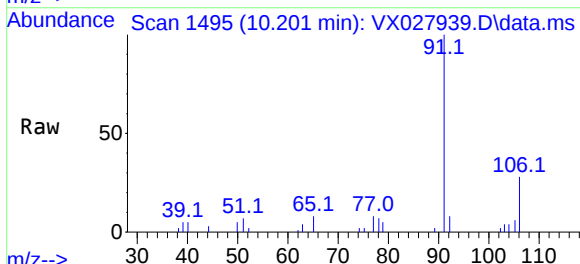
Instrument :
MSVOA_X
ClientSampleId :
MW-3

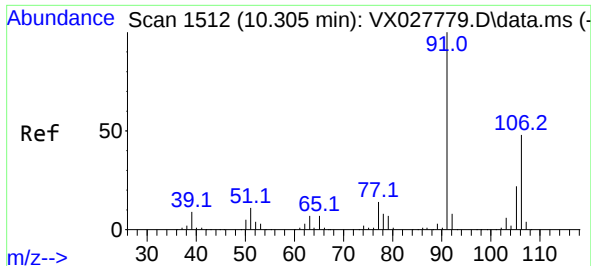
Tgt Ion:117 Resp: 130233
Ion Ratio Lower Upper
117 100
82 55.0 41.8 62.8
119 31.5 24.8 37.2



#67
Ethyl Benzene
Concen: 1.114 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX027939.D
Acq: 02 Apr 2022 17:28

Tgt Ion: 91 Resp: 5184
Ion Ratio Lower Upper
91 100
106 27.6 24.6 36.8

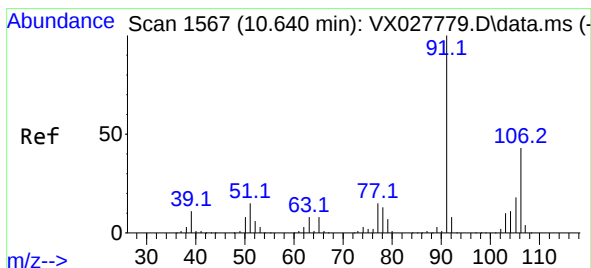
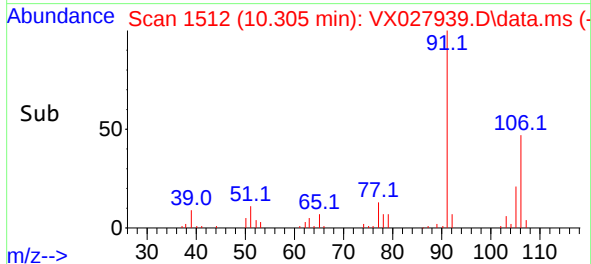
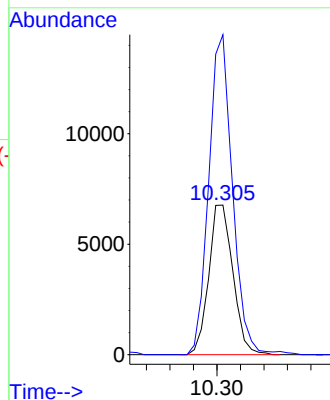
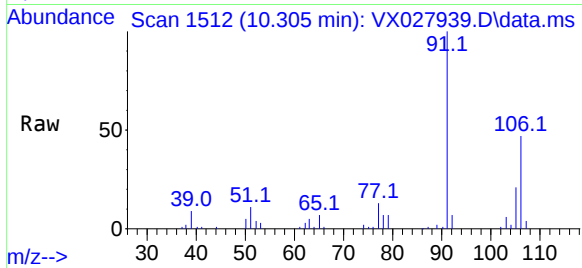




#68
m/p-Xylenes
Concen: 5.658 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX027939.D
Acq: 02 Apr 2022 17:28

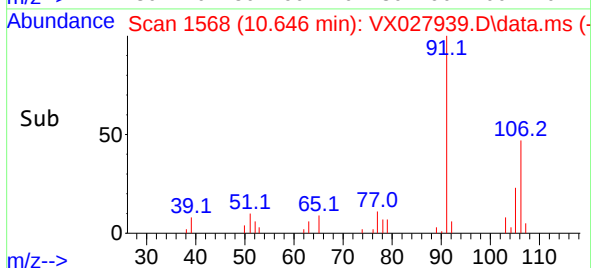
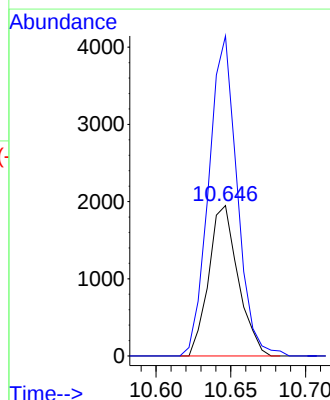
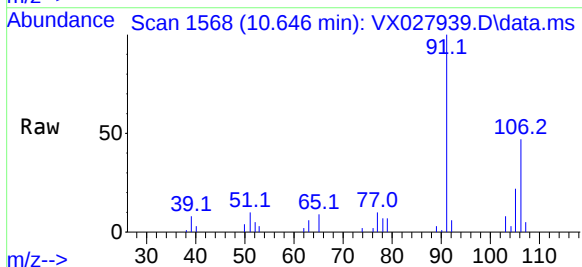
Instrument :
MSVOA_X
ClientSampleId :
MW-3

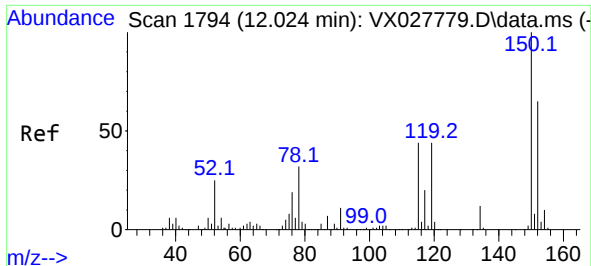
Tgt Ion:106 Resp: 9685
Ion Ratio Lower Upper
106 100
91 209.8 160.4 240.6



#69
o-Xylene
Concen: 1.592 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX027939.D
Acq: 02 Apr 2022 17:28

Tgt Ion:106 Resp: 2662
Ion Ratio Lower Upper
106 100
91 205.7 106.1 318.1

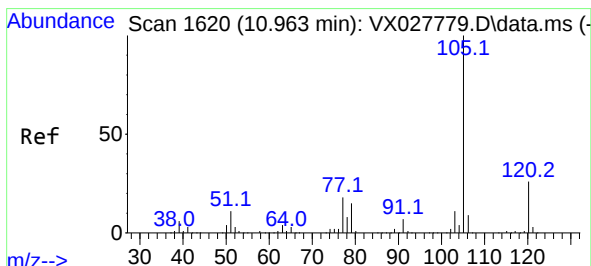
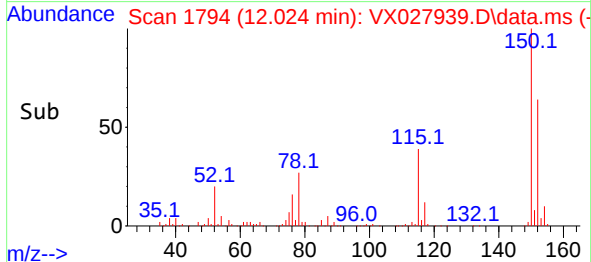
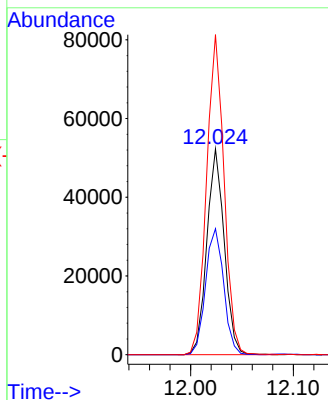
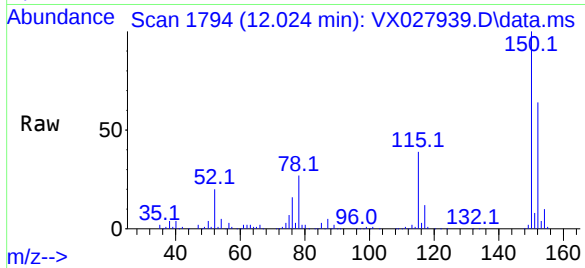




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027939.D
Acq: 02 Apr 2022 17:28

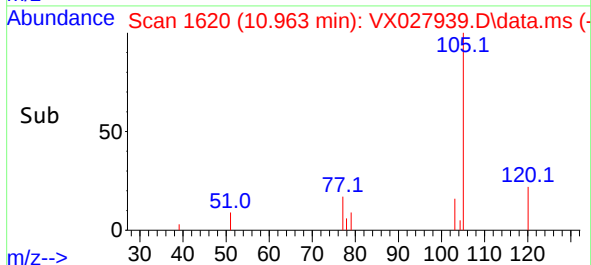
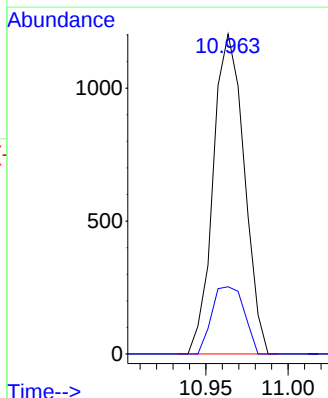
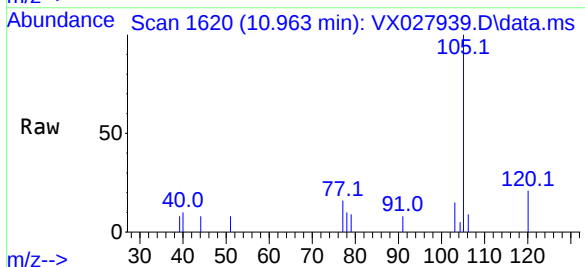
Instrument :
MSVOA_X
ClientSampleId :
MW-3

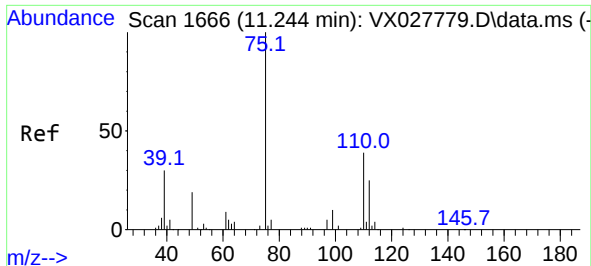
Tgt Ion:152 Resp: 61600
Ion Ratio Lower Upper
152 100
115 63.7 37.5 112.7
150 156.6 0.0 338.2



#73
Isopropylbenzene
Concen: 0.345 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX027939.D
Acq: 02 Apr 2022 17:28

Tgt Ion:105 Resp: 1582
Ion Ratio Lower Upper
105 100
120 21.8 13.5 40.5

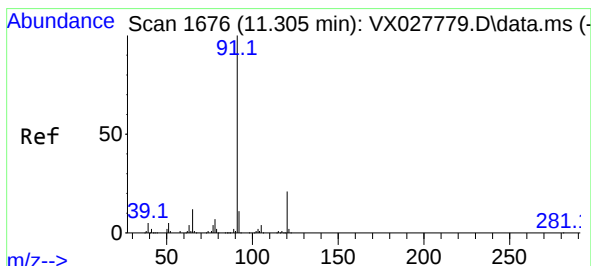
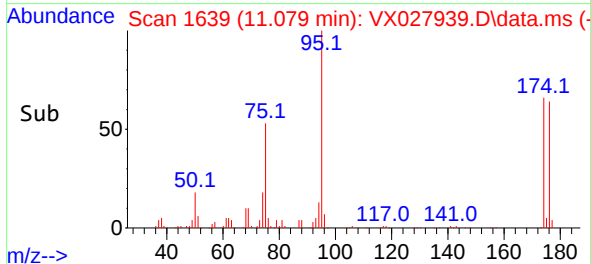
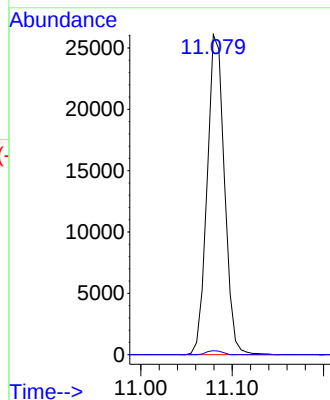
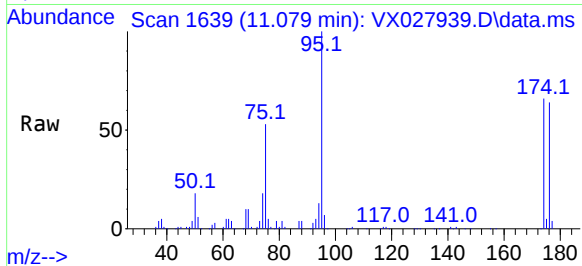




#76
1,2,3-Trichloropropane
Concen: 23.681 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027939.D
Acq: 02 Apr 2022 17:28

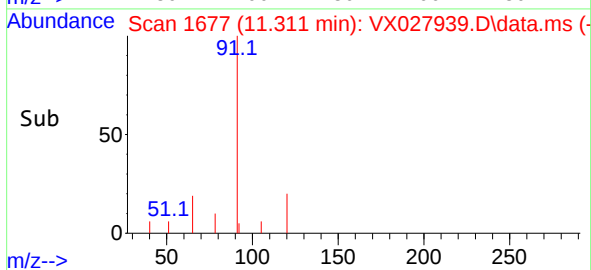
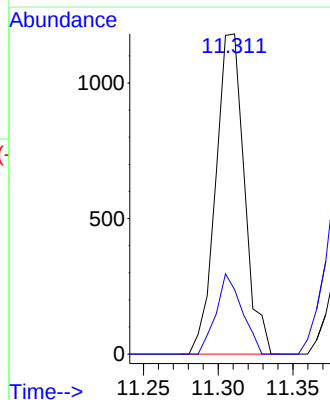
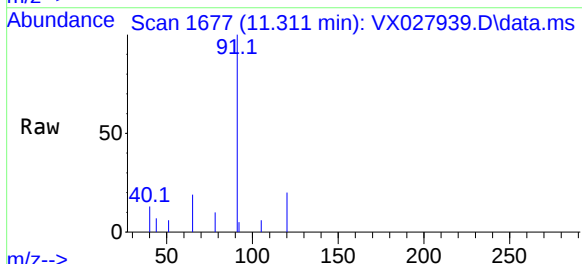
Instrument :
MSVOA_X
ClientSampleId :
MW-3

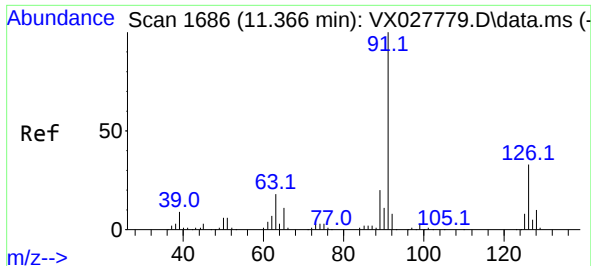
Tgt Ion: 75 Resp: 34220
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#78
n-propylbenzene
Concen: 0.288 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VX027939.D
Acq: 02 Apr 2022 17:28

Tgt Ion: 91 Resp: 1576
Ion Ratio Lower Upper
91 100
120 22.7 11.6 34.8





#79

2-Chlorotoluene

Concen: 0.201 ug/l

RT: 11.378 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX027939.D

Acq: 02 Apr 2022 17:28

Instrument :

MSVOA_X

ClientSampleId :

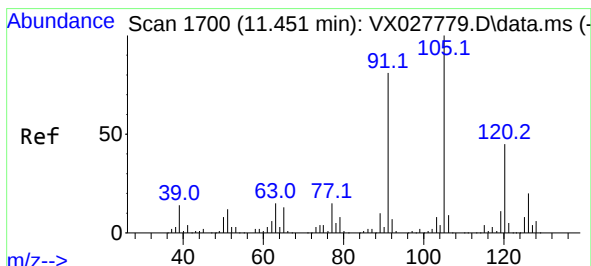
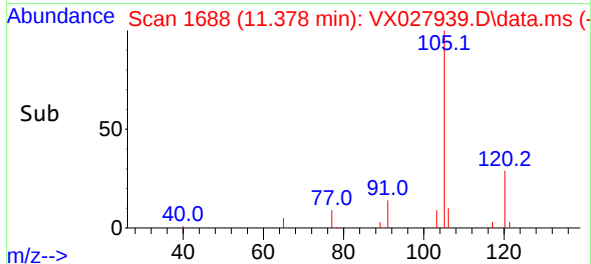
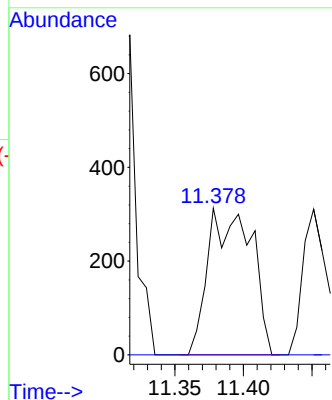
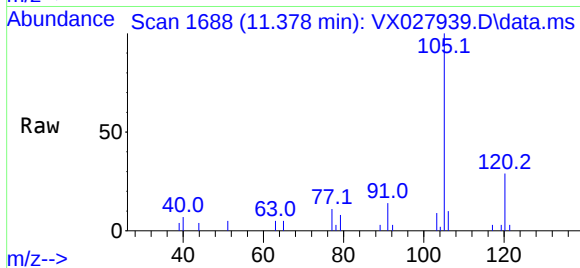
MW-3

Tgt Ion: 91 Resp: 693

Ion Ratio Lower Upper

91 100

126 0.0 17.3 51.9#



#80

1,3,5-Trimethylbenzene

Concen: 0.750 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX027939.D

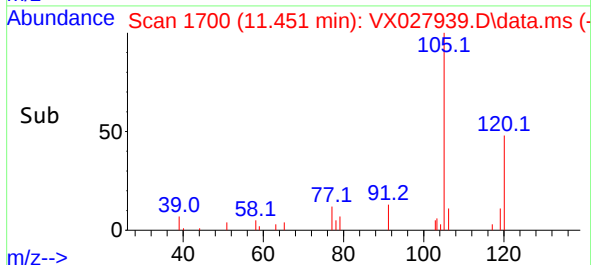
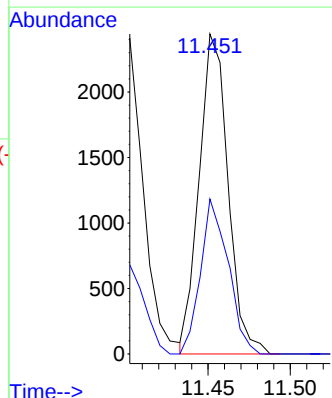
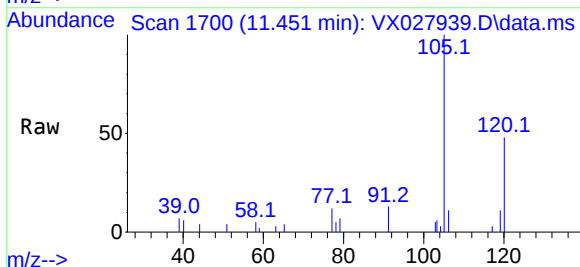
Acq: 02 Apr 2022 17:28

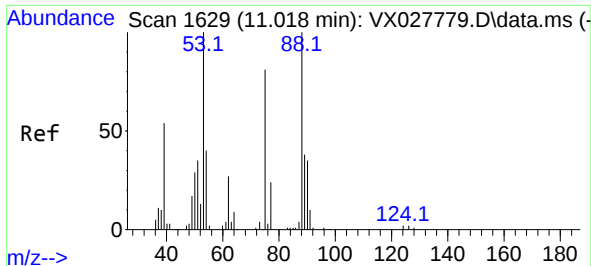
Tgt Ion:105 Resp: 2983

Ion Ratio Lower Upper

105 100

120 46.5 24.3 72.9

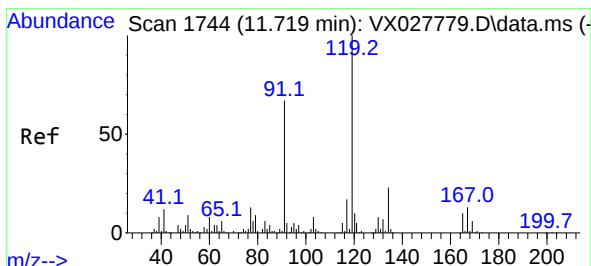
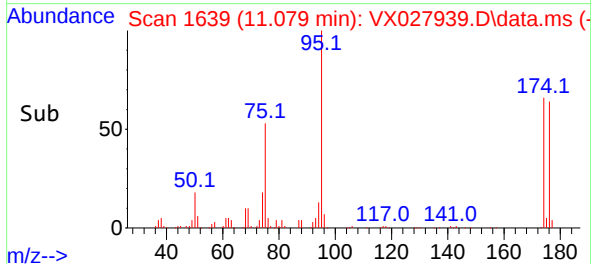
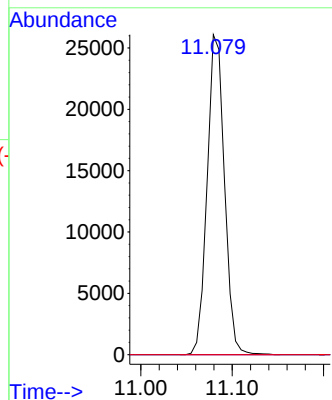
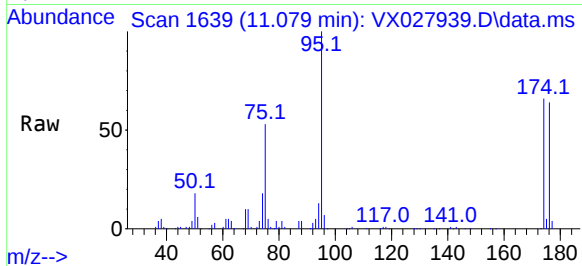




#81
trans-1,4-Dichloro-2-butene
Concen: 69.714 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX027939.D
Acq: 02 Apr 2022 17:28

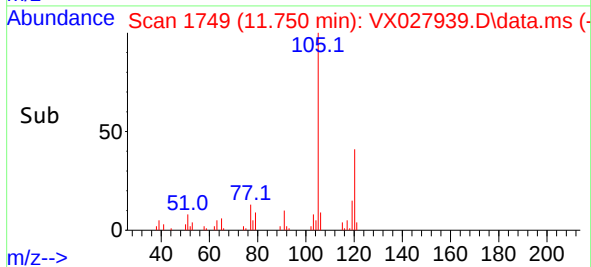
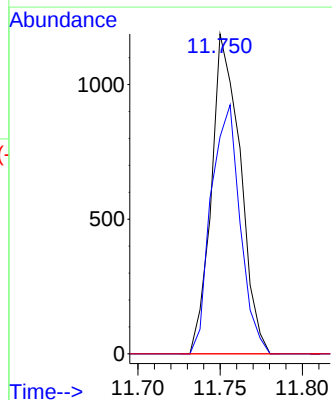
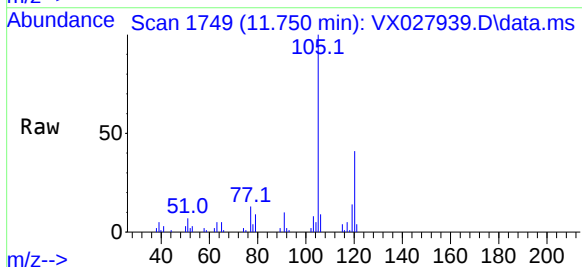
Instrument :
MSVOA_X
ClientSampleId :
MW-3

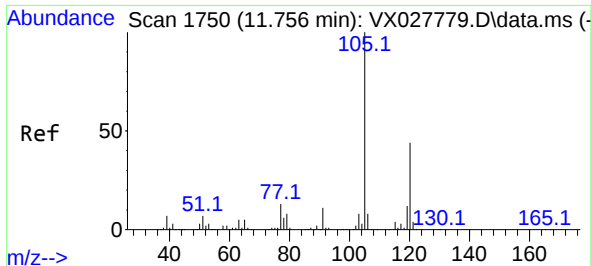
Tgt Ion: 75 Resp: 34220
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#83
tert-Butylbenzene
Concen: 0.376 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.031 min
Lab File: VX027939.D
Acq: 02 Apr 2022 17:28

Tgt Ion: 119 Resp: 1448
Ion Ratio Lower Upper
119 100
91 78.5 26.9 80.6
134 0.0 11.4 34.2#

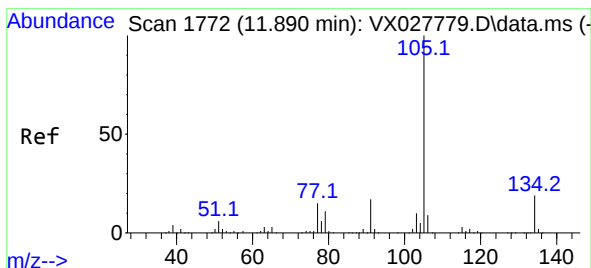
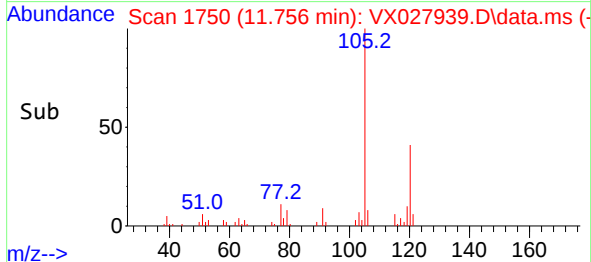
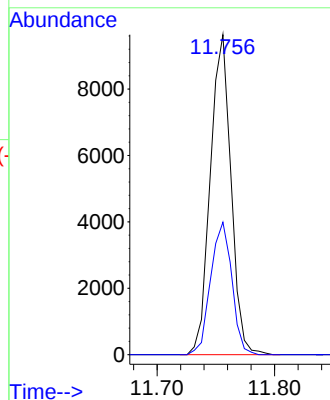
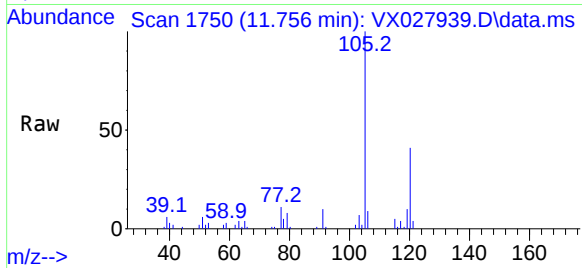




#84
1,2,4-Trimethylbenzene
Concen: 2.968 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX027939.D
Acq: 02 Apr 2022 17:28

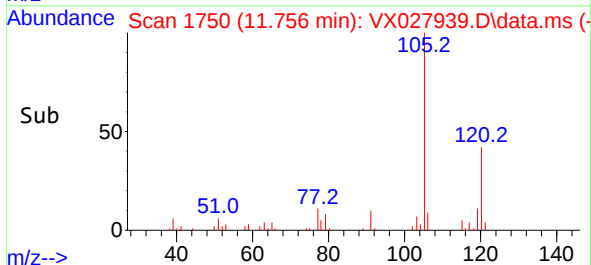
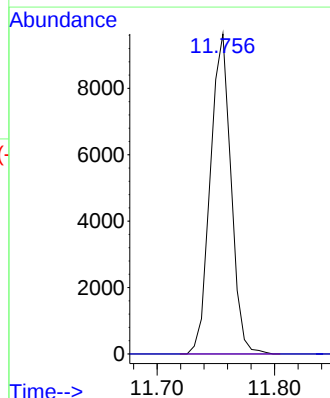
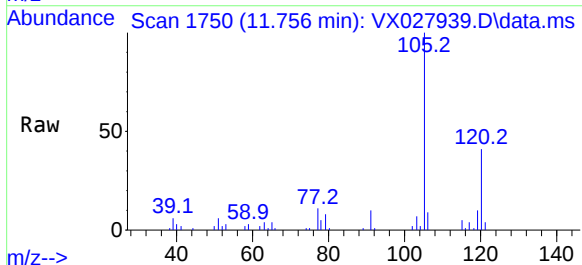
Instrument :
MSVOA_X
ClientSampleId :
MW-3

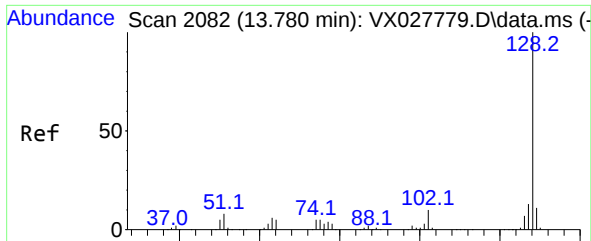
Tgt Ion:105 Resp: 11778
Ion Ratio Lower Upper
105 100
120 42.5 22.6 67.8



#85
sec-Butylbenzene
Concen: 2.480 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.134 min
Lab File: VX027939.D
Acq: 02 Apr 2022 17:28

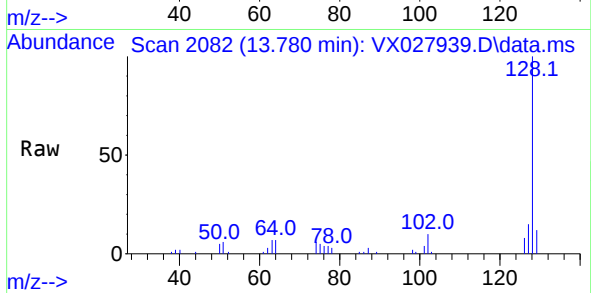
Tgt Ion:105 Resp: 11778
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#





#95
Naphthalene
Concen: 2.417 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX027939.D
Acq: 02 Apr 2022 17:28

Instrument :
MSVOA_X
ClientSampleId :
MW-3



Tgt Ion:128 Resp: 10492

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	11.1	8.7	13.1

