

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040122\
 Data File : VX027919.D
 Acq On : 02 Apr 2022 06:41
 Operator : JC/MD
 Sample : N2204-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

Quant Time: Apr 02 07:36:10 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

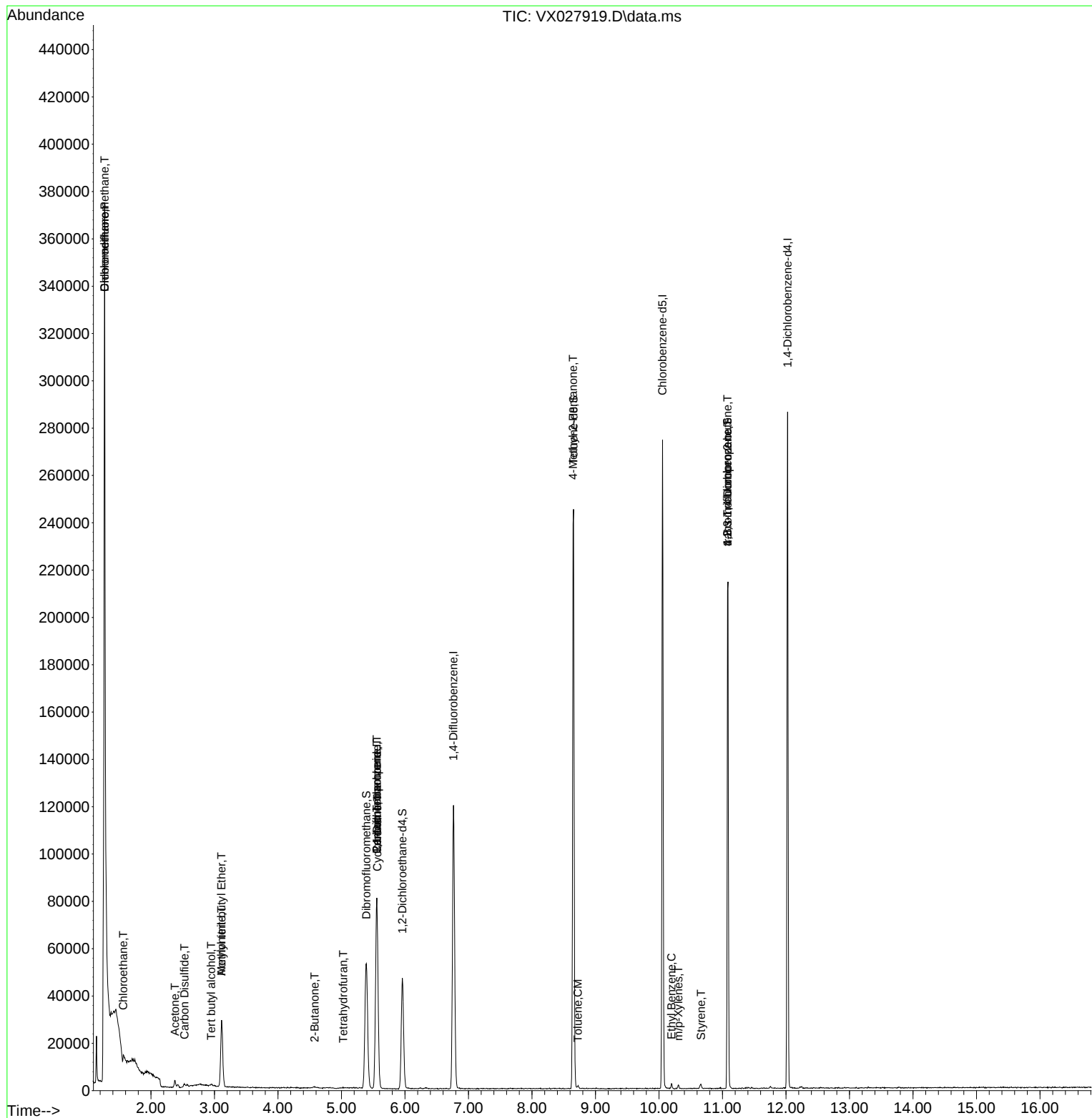
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	76505	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	125762	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123336	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	56417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	44422	45.001	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.000%
35) Dibromofluoromethane	5.391	113	47269	58.230	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	116.460%
50) Toluene-d8	8.653	98	152862	53.520	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.040%
62) 4-Bromofluorobenzene	11.079	95	58929	48.551	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.270	85	17891	25.808	ug/l	93
3) Chloromethane	1.270	50	9540	15.573	ug/l #	42
6) Chloroethane	1.563	64	4726	11.159	ug/l #	47
11) Tert butyl alcohol	2.947	59	643	3.391	ug/l #	72
15) Acrylonitrile	3.111	53	365	0.820	ug/l #	15
16) Acetone	2.380	43	3237	7.410	ug/l #	76
17) Carbon Disulfide	2.526	76	1483	1.103	ug/l #	94
19) Methyl tert-butyl Ether	3.111	73	29431	11.752	ug/l	100
25) 2-Butanone	4.574	43	590	0.928	ug/l	99
29) Tetrahydrofuran	5.026	42	203	0.497	ug/l #	25
31) Cyclohexane	5.562	56	1520	1.393	ug/l #	48
36) 1,1-Dichloropropene	5.556	75	5296	5.180	ug/l #	50
38) Carbon Tetrachloride	5.556	117	7521	6.658	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	591	0.420	ug/l #	1
52) Toluene	8.720	92	494	0.253	ug/l	91
67) Ethyl Benzene	10.195	91	1580	0.358	ug/l #	88
68) m/p-Xylenes	10.305	106	464	0.286	ug/l	78
70) Styrene	10.659	104	753	0.280	ug/l #	87
76) 1,2,3-Trichloropropane	11.079	75	29548	22.326	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	29548	65.927	ug/l #	15

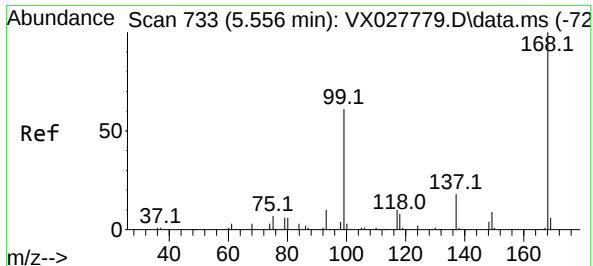
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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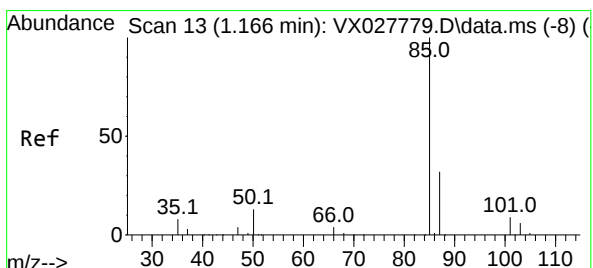
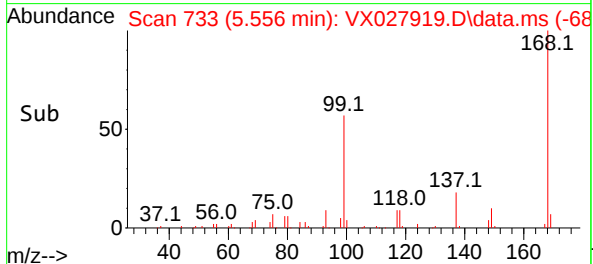
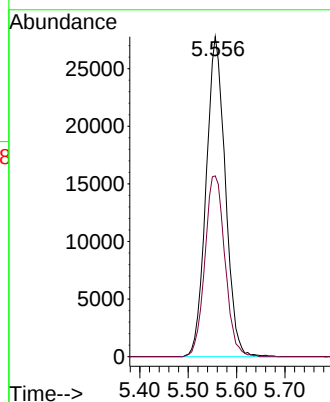
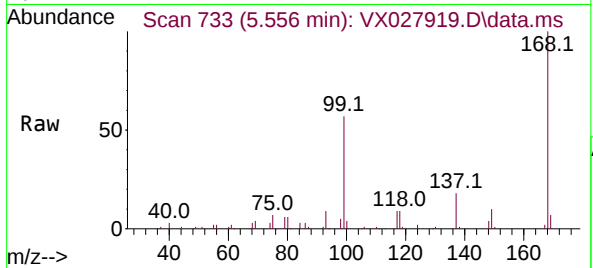




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027919.D
Acq: 02 Apr 2022 06:41

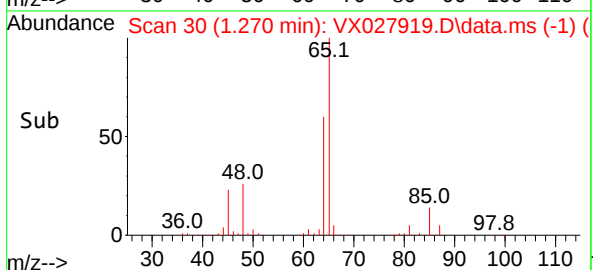
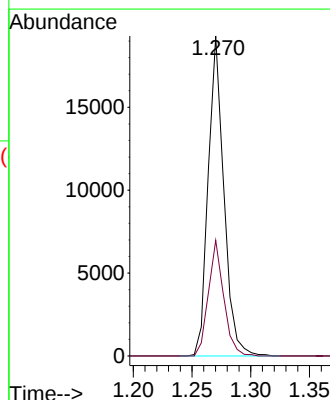
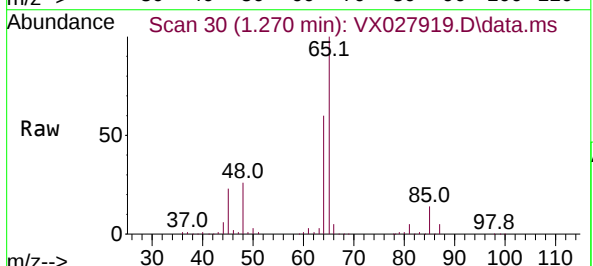
Instrument :
MSVOA_X
ClientSampleId :
MW-8

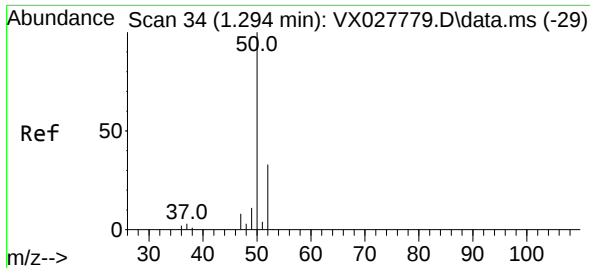
Tgt Ion:168 Resp: 76505
Ion Ratio Lower Upper
168 100
99 56.5 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 25.808 ug/l
RT: 1.270 min Scan# 30
Delta R.T. 0.104 min
Lab File: VX027919.D
Acq: 02 Apr 2022 06:41

Tgt Ion: 85 Resp: 17891
Ion Ratio Lower Upper
85 100
87 36.1 16.2 48.6

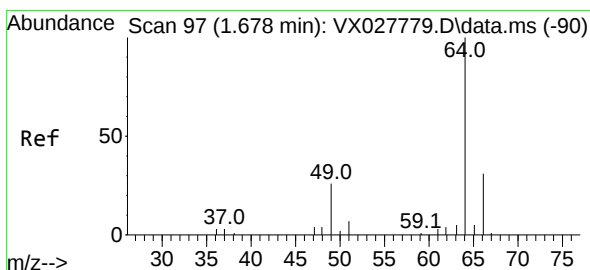
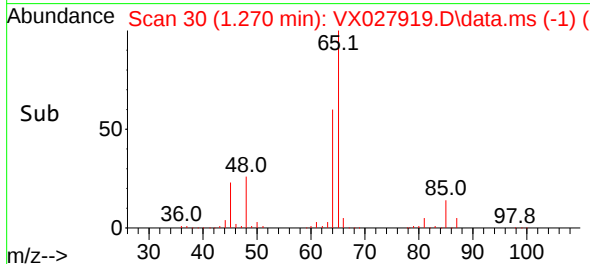
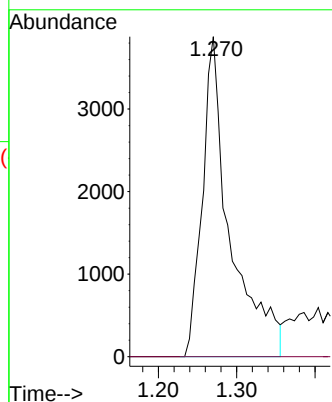
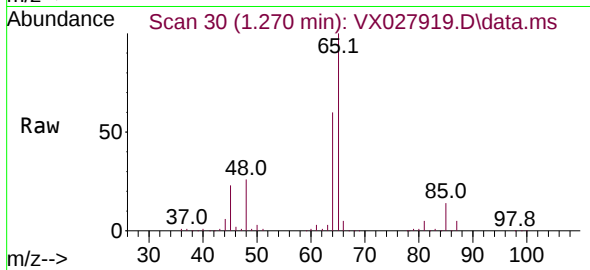




#3
Chloromethane
Concen: 15.573 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.024 min
Lab File: VX027919.D
Acq: 02 Apr 2022 06:41

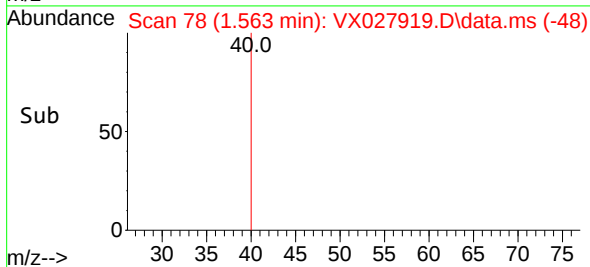
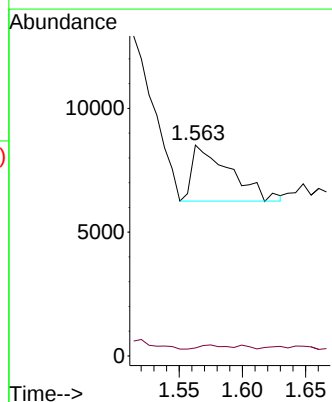
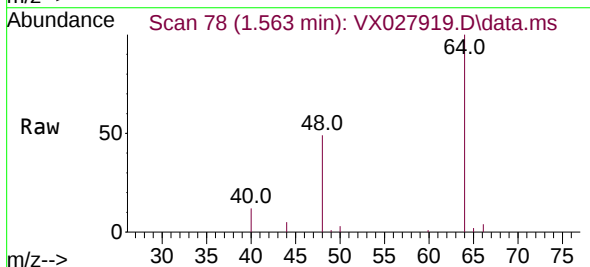
Instrument :
MSVOA_X
ClientSampleId :
MW-8

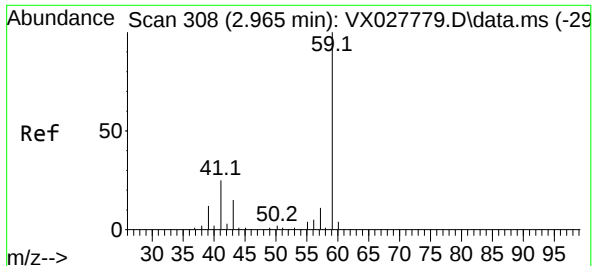
Tgt Ion: 50 Resp: 9540
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



#6
Chloroethane
Concen: 11.159 ug/l
RT: 1.563 min Scan# 78
Delta R.T. -0.115 min
Lab File: VX027919.D
Acq: 02 Apr 2022 06:41

Tgt Ion: 64 Resp: 4726
Ion Ratio Lower Upper
64 100
66 2.0 25.3 37.9#





#11

Tert butyl alcohol

Concen: 3.391 ug/l

RT: 2.947 min Scan# 308

Delta R.T. -0.018 min

Lab File: VX027919.D

Acq: 02 Apr 2022 06:41

Instrument :

MSVOA_X

ClientSampleId :

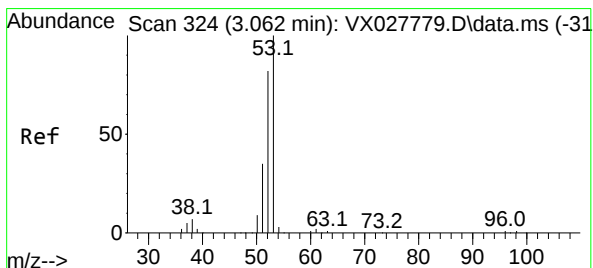
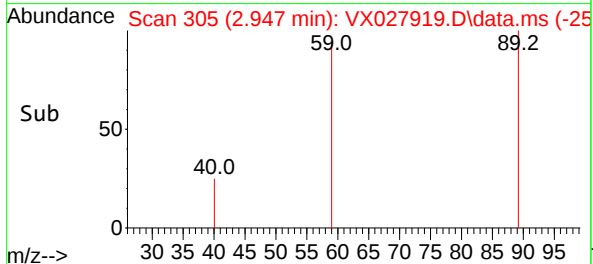
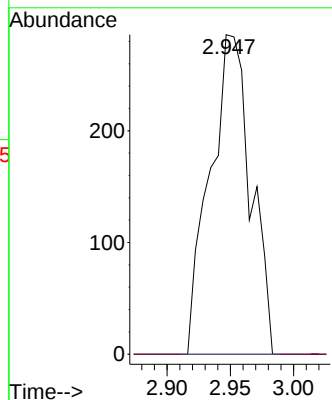
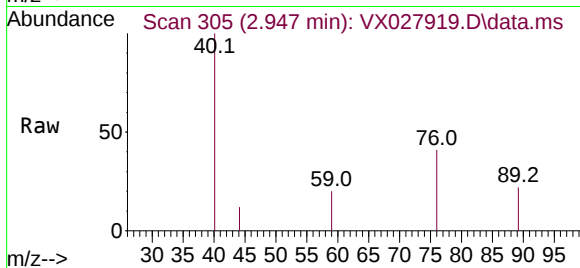
MW-8

Tgt Ion: 59 Resp: 643

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#15

Acrylonitrile

Concen: 0.820 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.049 min

Lab File: VX027919.D

Acq: 02 Apr 2022 06:41

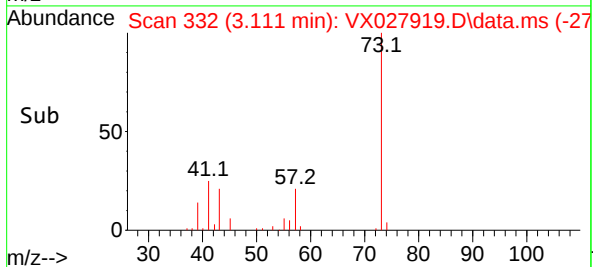
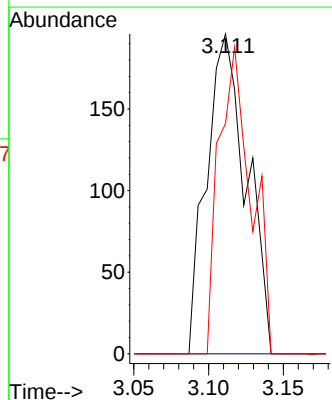
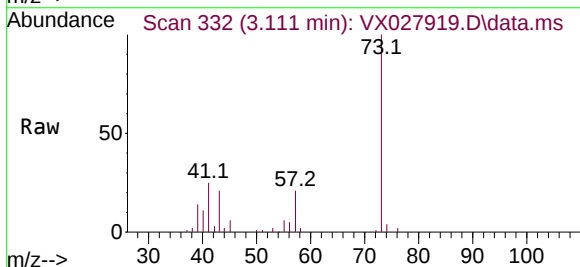
Tgt Ion: 53 Resp: 365

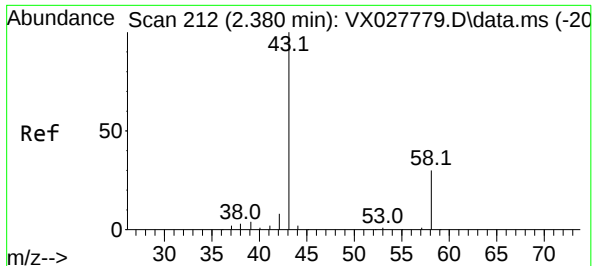
Ion Ratio Lower Upper

53 100

52 0.0 65.7 98.5#

51 77.0 28.4 42.6#

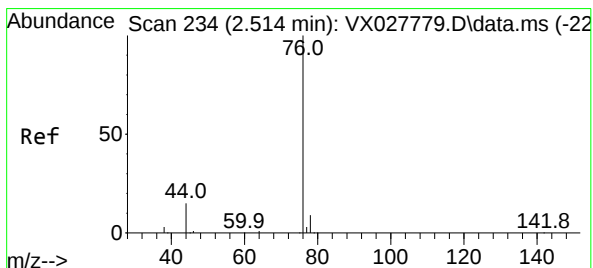
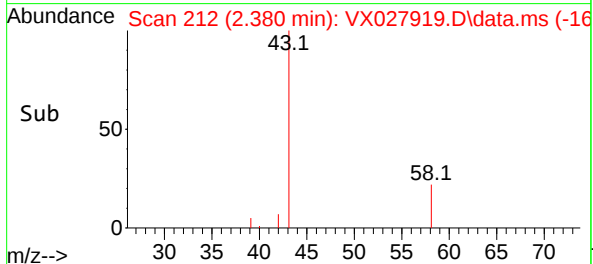
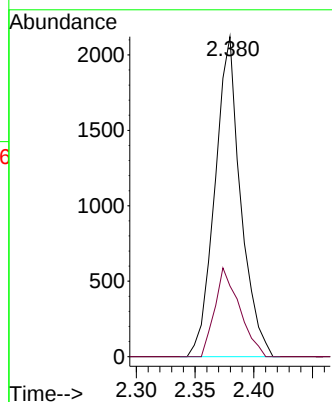
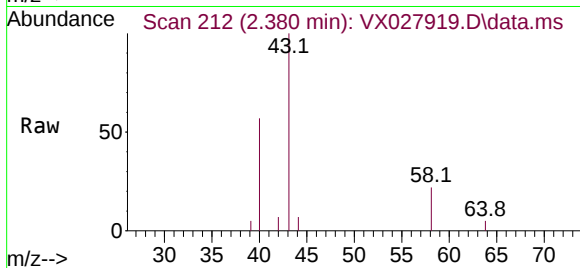




#16
Acetone
Concen: 7.410 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX027919.D
Acq: 02 Apr 2022 06:41

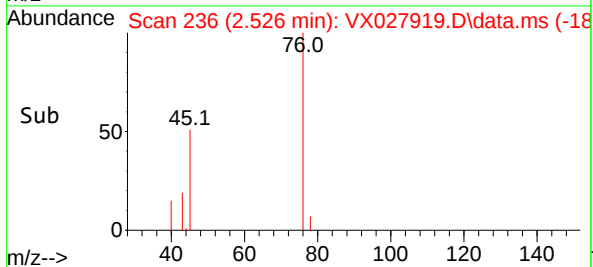
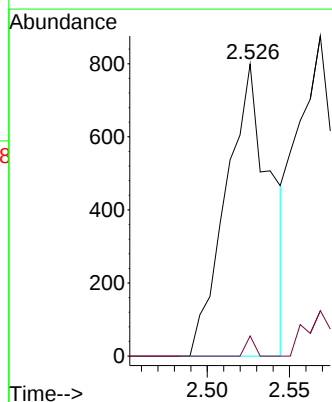
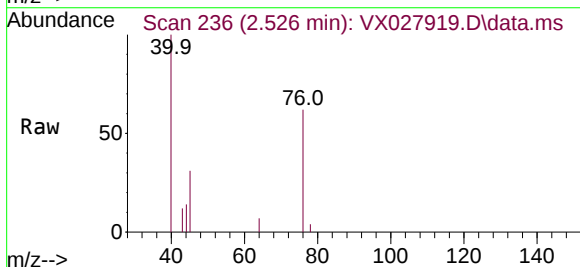
Instrument :
MSVOA_X
ClientSampleId :
MW-8

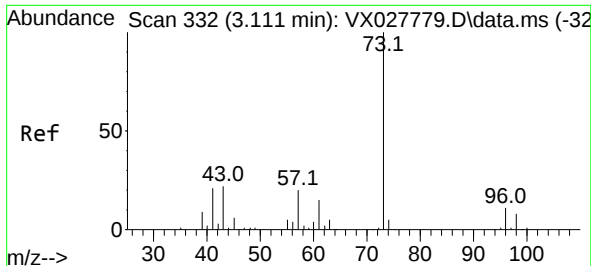
Tgt Ion: 43 Resp: 3237
Ion Ratio Lower Upper
43 100
58 22.1 28.8 43.2#



#17
Carbon Disulfide
Concen: 1.103 ug/l
RT: 2.526 min Scan# 236
Delta R.T. 0.012 min
Lab File: VX027919.D
Acq: 02 Apr 2022 06:41

Tgt Ion: 76 Resp: 1483
Ion Ratio Lower Upper
76 100
78 6.9 7.2 10.8#

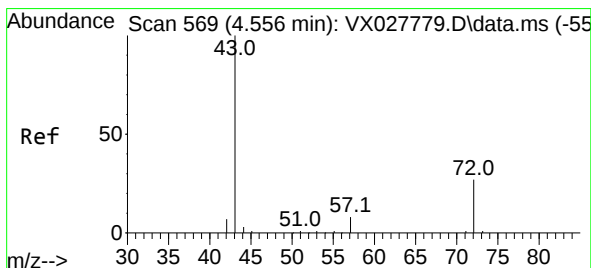
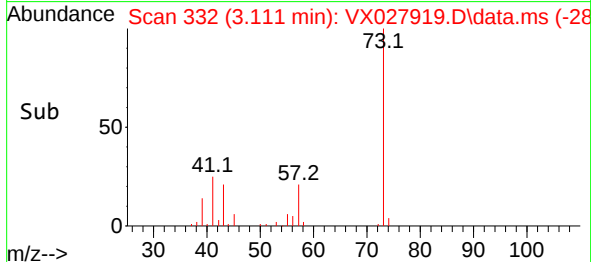
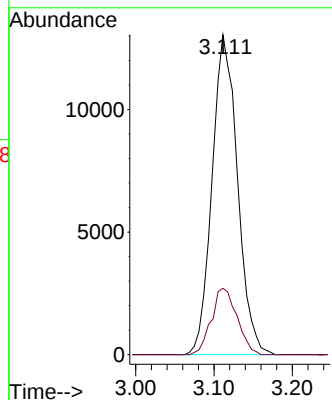
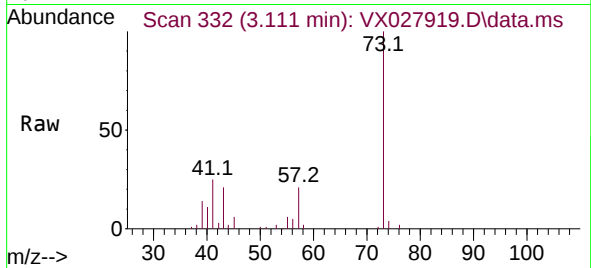




#19
Methyl tert-butyl Ether
Concen: 11.752 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX027919.D
Acq: 02 Apr 2022 06:41

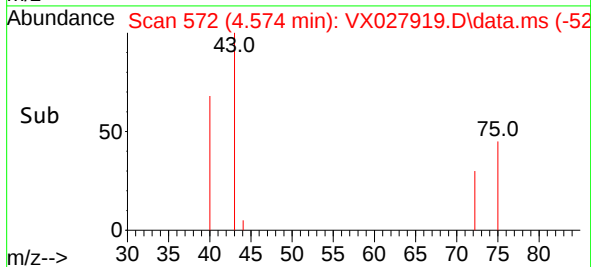
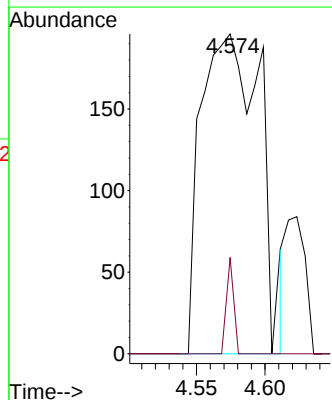
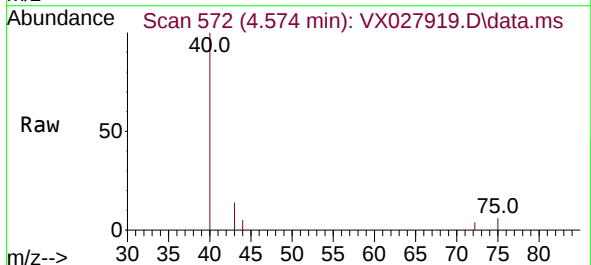
Instrument :
MSVOA_X
ClientSampleId :
MW-8

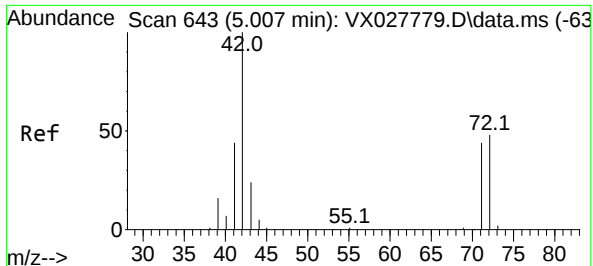
Tgt Ion: 73 Resp: 29431
Ion Ratio Lower Upper
73 100
57 20.8 16.8 25.2



#25
2-Butanone
Concen: 0.928 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX027919.D
Acq: 02 Apr 2022 06:41

Tgt Ion: 43 Resp: 590
Ion Ratio Lower Upper
43 100
72 30.1 24.4 36.6





#29

Tetrahydrofuran

Concen: 0.497 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.019 min

Lab File: VX027919.D

Acq: 02 Apr 2022 06:41

Instrument :

MSVOA_X

ClientSampleId :

MW-8

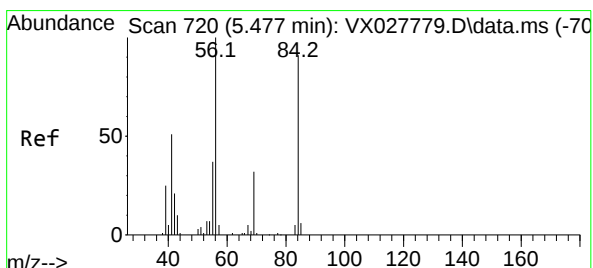
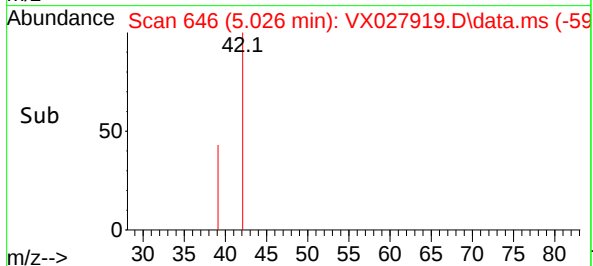
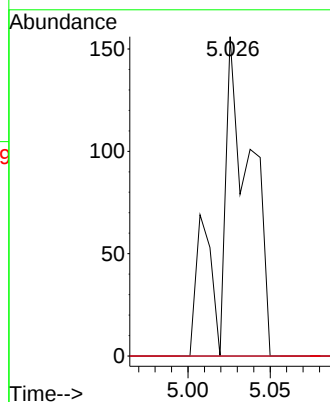
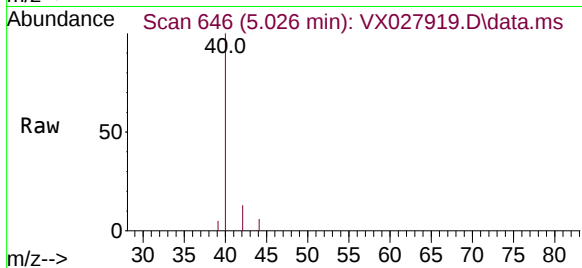
Tgt Ion: 42 Resp: 203

Ion Ratio Lower Upper

42 100

72 0.0 44.1 66.1#

71 0.0 40.5 60.7#



#31

Cyclohexane

Concen: 1.393 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX027919.D

Acq: 02 Apr 2022 06:41

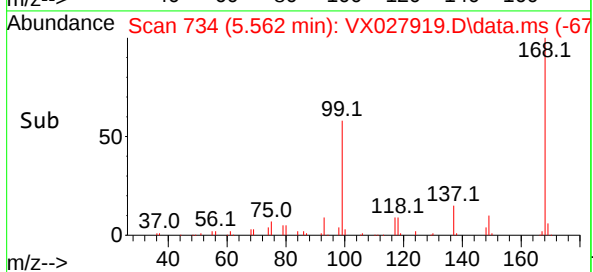
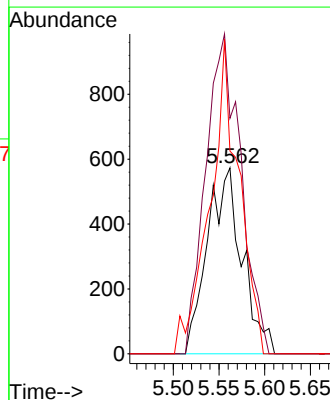
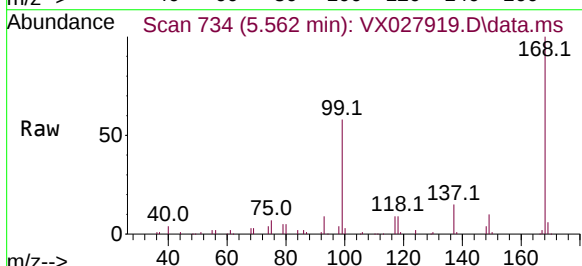
Tgt Ion: 56 Resp: 1520

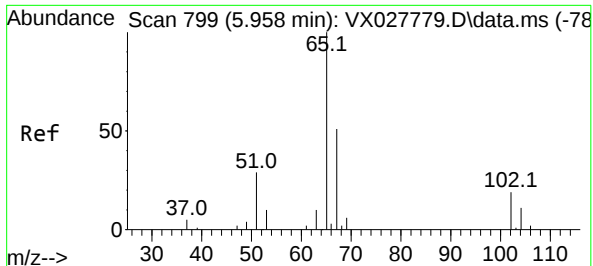
Ion Ratio Lower Upper

56 100

69 126.7 26.7 40.1#

84 109.1 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 45.001 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027919.D

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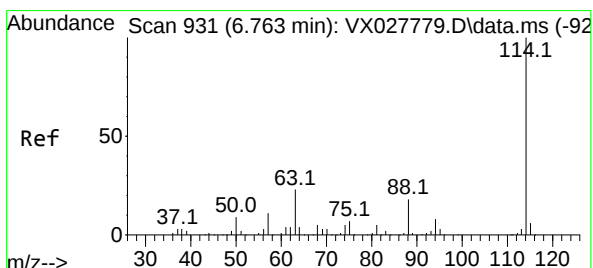
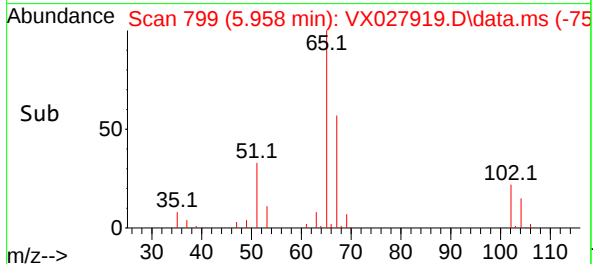
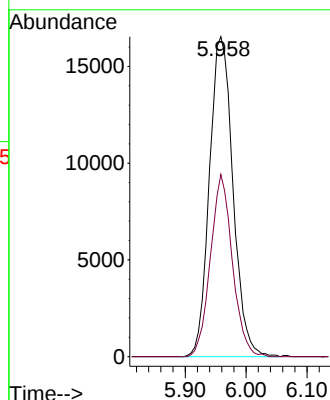
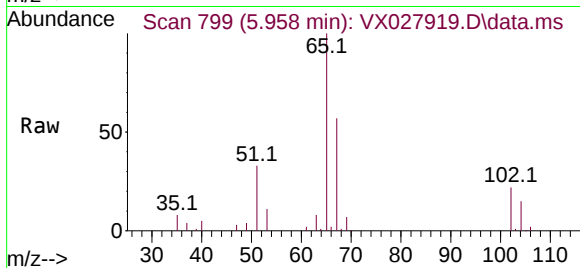
MW-8

Tgt Ion: 65 Resp: 44422

Ion Ratio Lower Upper

65 100

67 53.0 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: VX027919.D

Acq: 02 Apr 2022 06:41

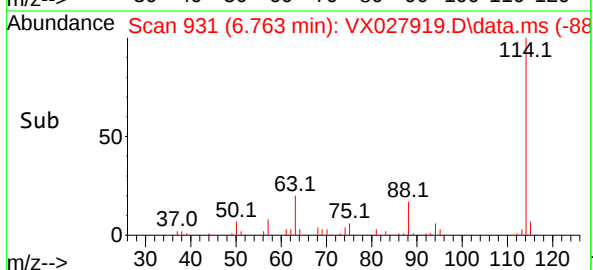
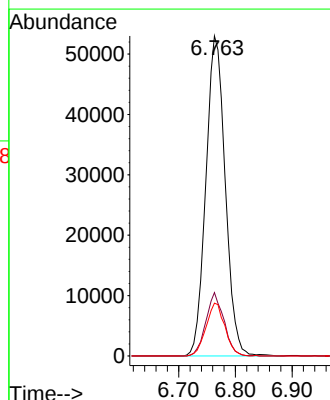
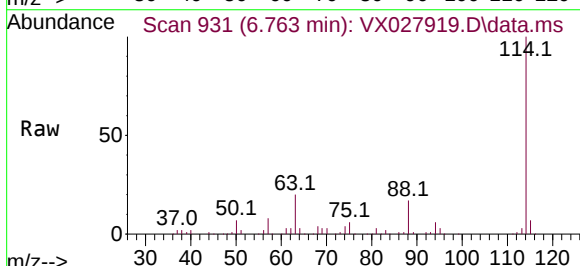
Tgt Ion: 114 Resp: 125762

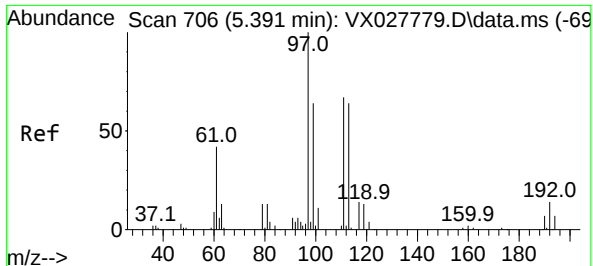
Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.8

88 16.5 0.0 32.4

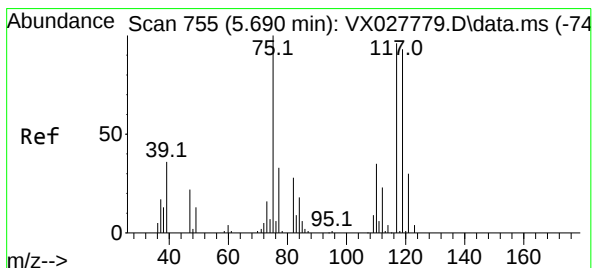
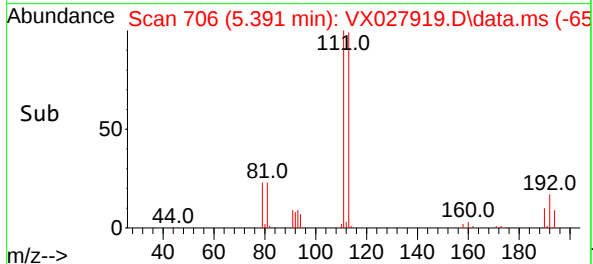
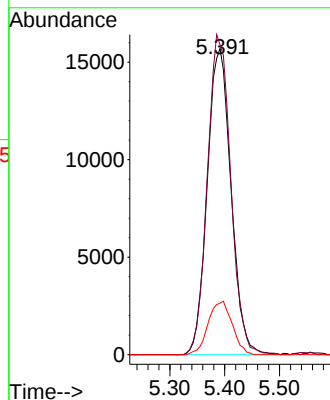
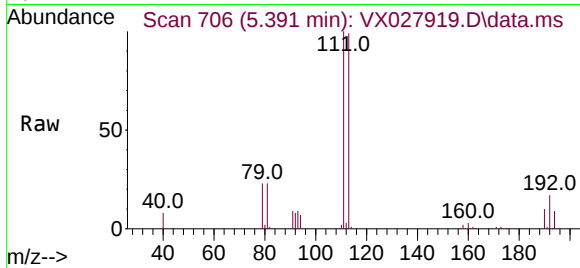




#35
Dibromofluoromethane
Concen: 58.230 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027919.D
Acq: 02 Apr 2022 06:41

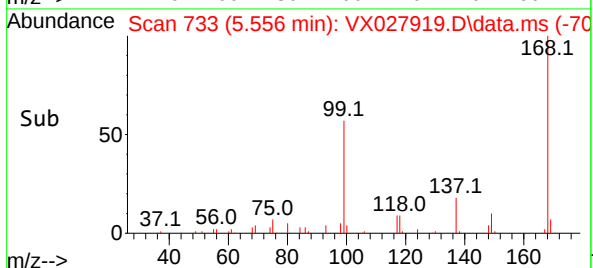
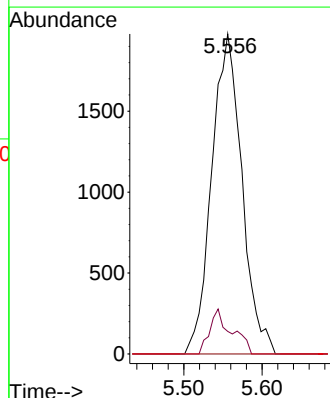
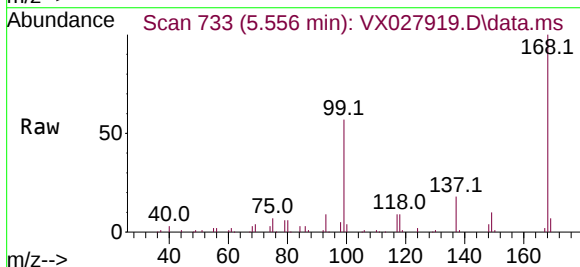
Instrument :
MSVOA_X
ClientSampleId :
MW-8

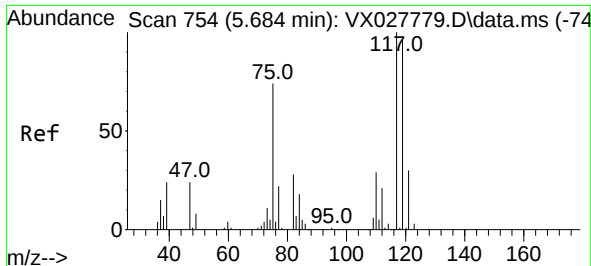
Tgt Ion:113 Resp: 47269
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 17.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.180 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX027919.D
Acq: 02 Apr 2022 06:41

Tgt Ion: 75 Resp: 5296
Ion Ratio Lower Upper
75 100
110 10.1 18.3 54.8#
77 0.0 24.8 37.2#

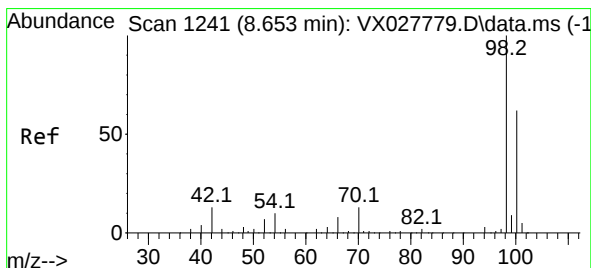
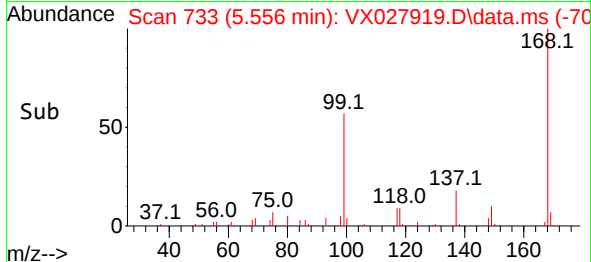
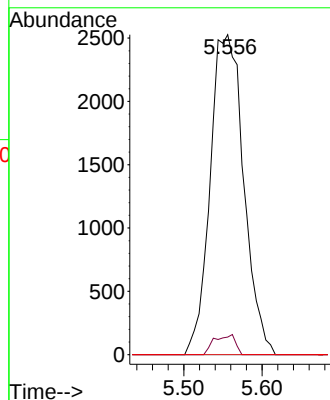
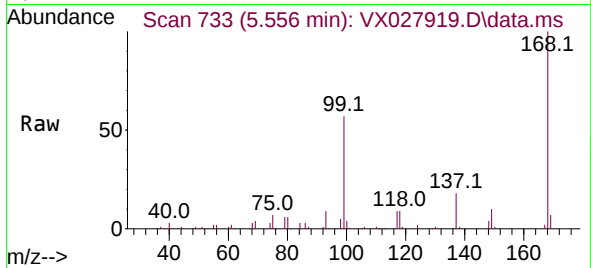




#38
Carbon Tetrachloride
Concen: 6.658 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX027919.D
Acq: 02 Apr 2022 06:41

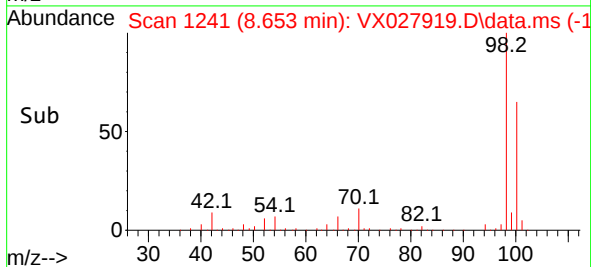
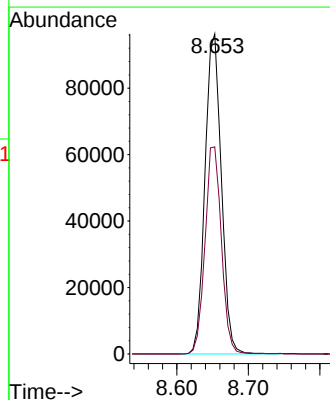
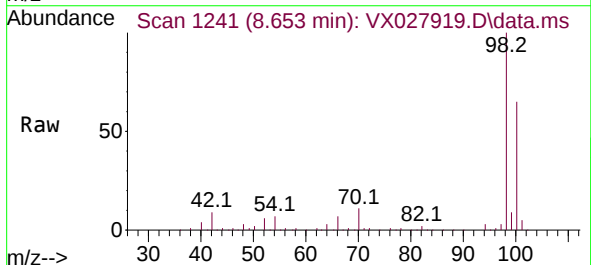
Instrument :
MSVOA_X
ClientSampleId :
MW-8

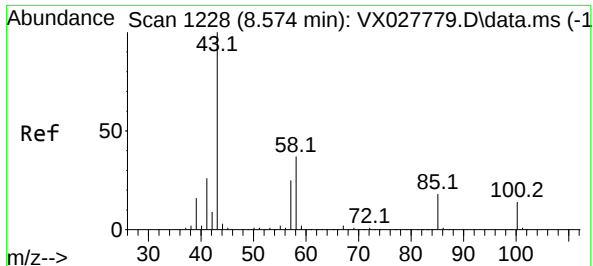
Tgt Ion:117 Resp: 7521
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 53.520 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027919.D
Acq: 02 Apr 2022 06:41

Tgt Ion: 98 Resp: 152862
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

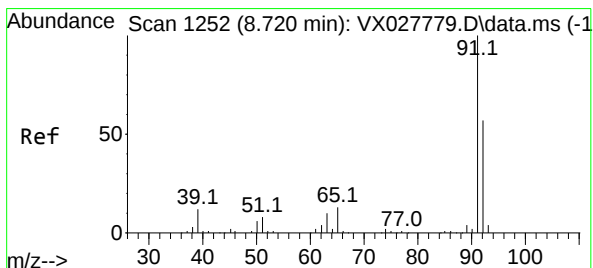
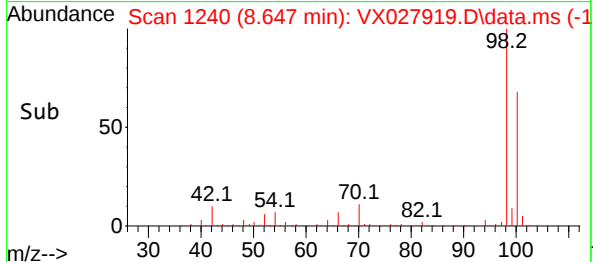
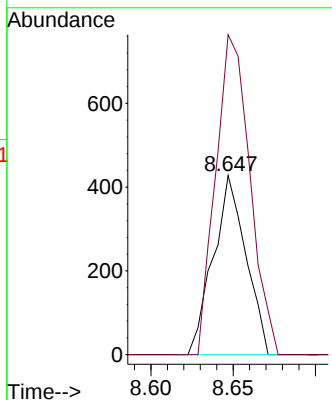
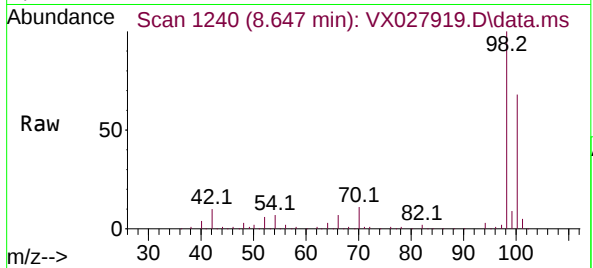




#51
4-Methyl-2-Pentanone
Concen: 0.420 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX027919.D
Acq: 02 Apr 2022 06:41

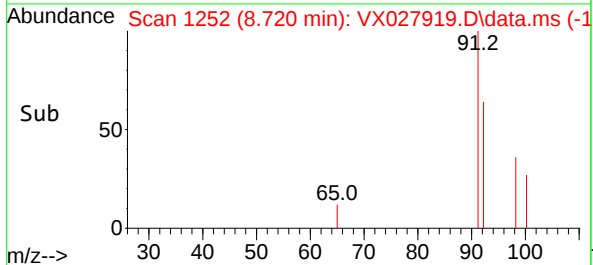
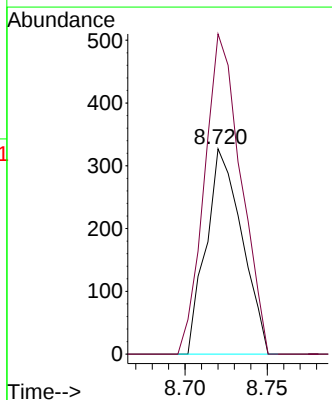
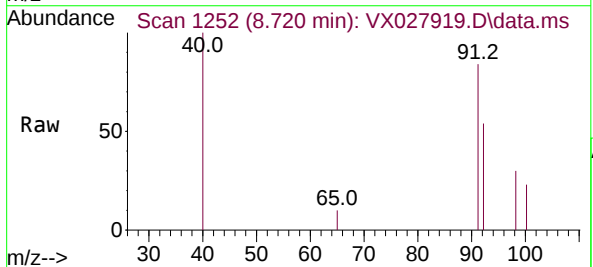
Instrument :
MSVOA_X
ClientSampleId :
MW-8

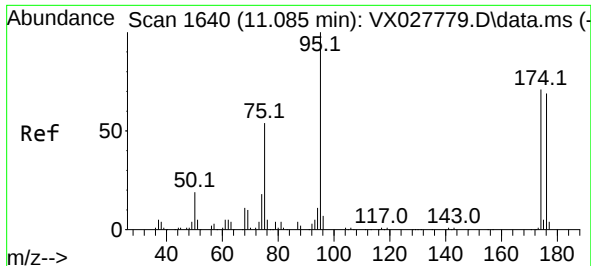
Tgt Ion: 43 Resp: 591
Ion Ratio Lower Upper
43 100
58 187.1 36.1 54.1#



#52
Toluene
Concen: 0.253 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX027919.D
Acq: 02 Apr 2022 06:41

Tgt Ion: 92 Resp: 494
Ion Ratio Lower Upper
92 100
91 159.3 137.5 206.3





#62

4-Bromofluorobenzene

Concen: 48.551 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX027919.D

Acq: 02 Apr 2022 06:41

Instrument :

MSVOA_X

ClientSampleId :

MW-8

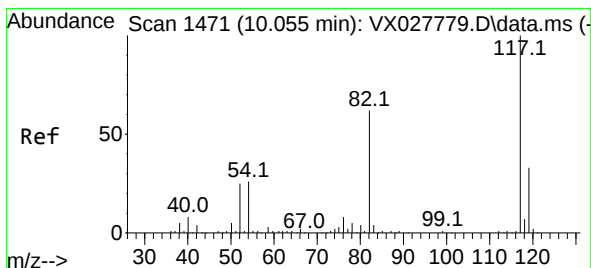
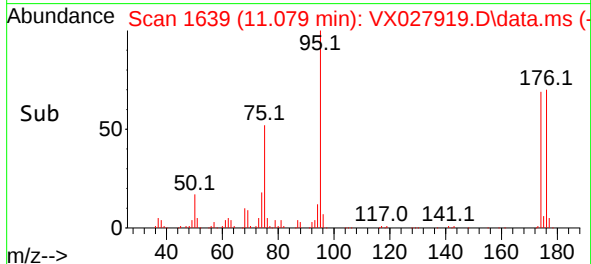
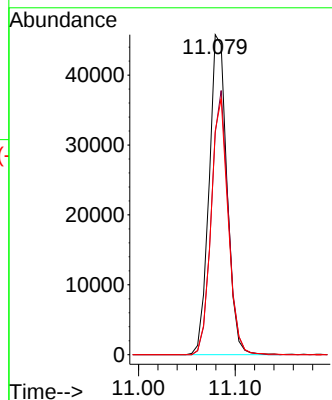
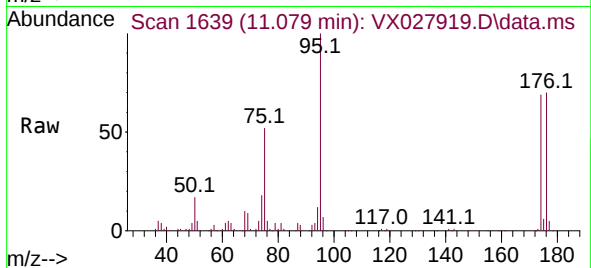
Tgt Ion: 95 Resp: 58929

Ion Ratio Lower Upper

95 100

174 77.9 0.0 163.0

176 76.5 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: VX027919.D

Acq: 02 Apr 2022 06:41

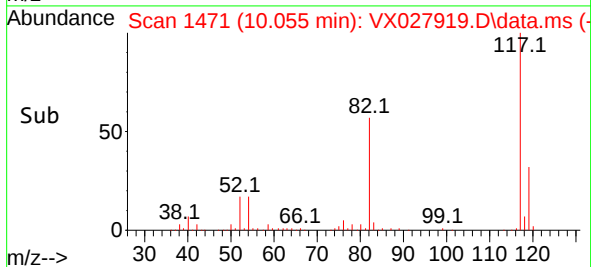
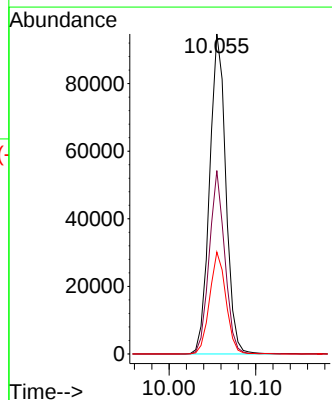
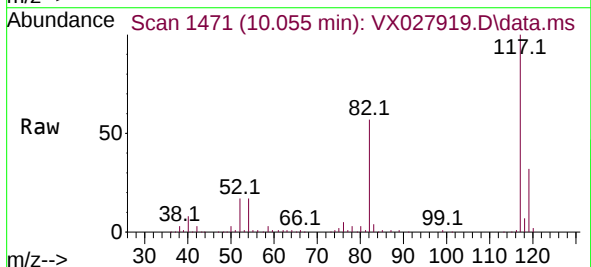
Tgt Ion: 117 Resp: 123336

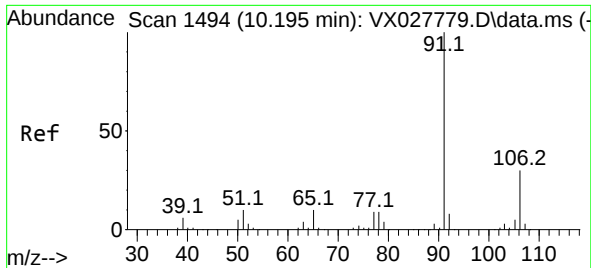
Ion Ratio Lower Upper

117 100

82 57.3 41.8 62.8

119 31.9 24.8 37.2

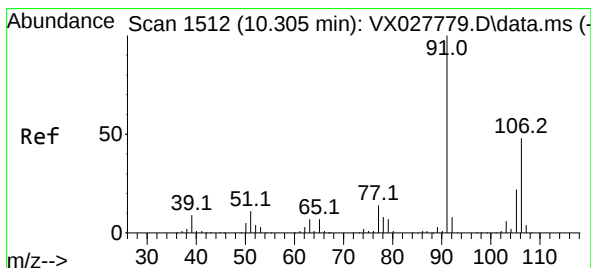
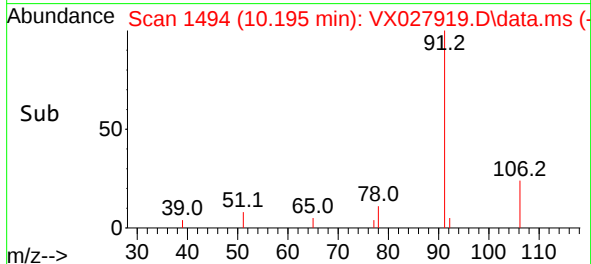
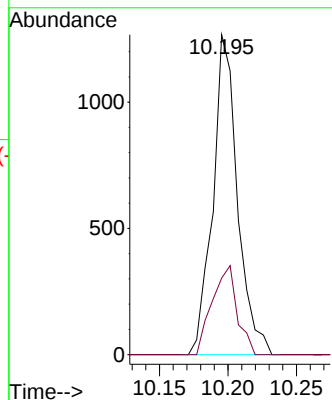
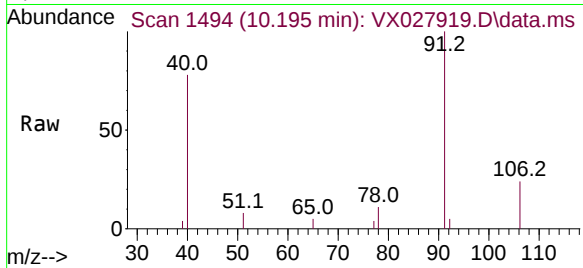




#67
Ethyl Benzene
Concen: 0.358 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX027919.D
Acq: 02 Apr 2022 06:41

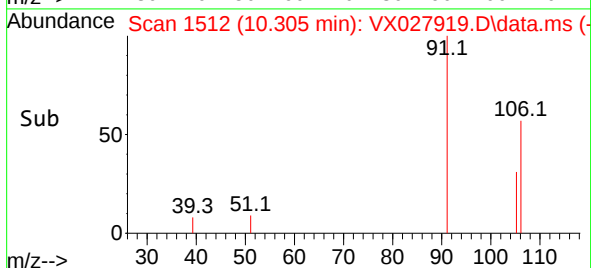
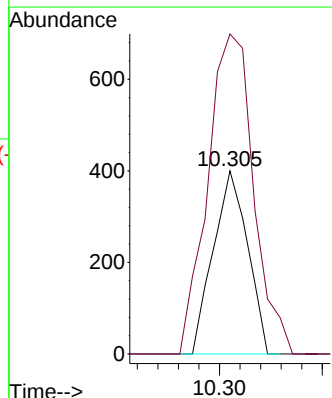
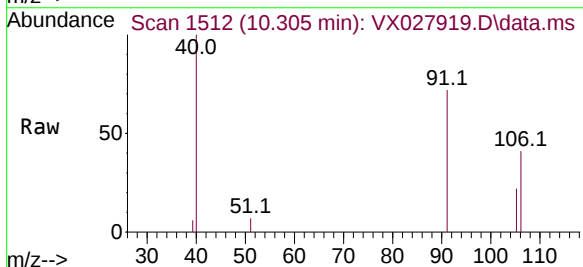
Instrument :
MSVOA_X
ClientSampleId :
MW-8

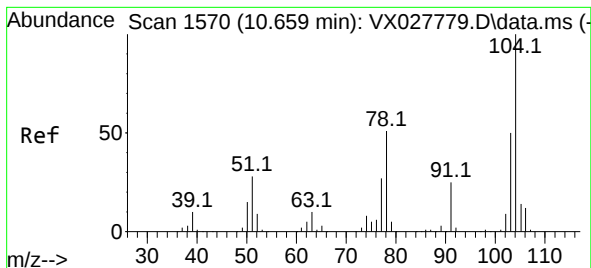
Tgt Ion: 91 Resp: 1580
Ion Ratio Lower Upper
91 100
106 23.9 24.6 36.8#



#68
m/p-Xylenes
Concen: 0.286 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX027919.D
Acq: 02 Apr 2022 06:41

Tgt Ion: 106 Resp: 464
Ion Ratio Lower Upper
106 100
91 233.2 160.4 240.6





#70

Styrene

Concen: 0.280 ug/l

RT: 10.659 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX027919.D

Acq: 02 Apr 2022 06:41

Instrument :

MSVOA_X

ClientSampleId :

MW-8

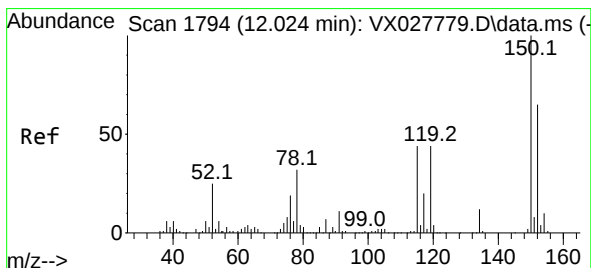
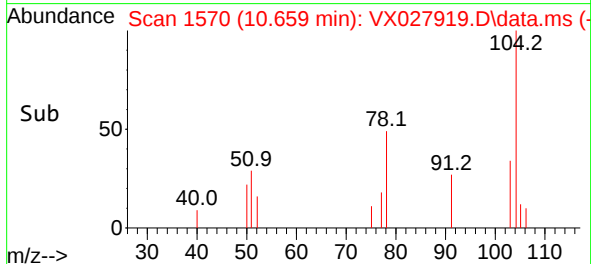
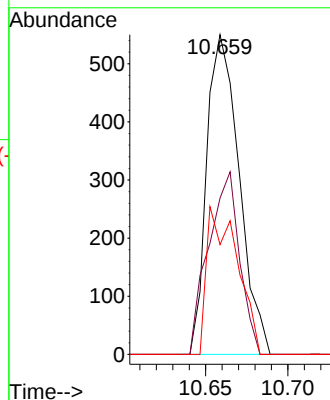
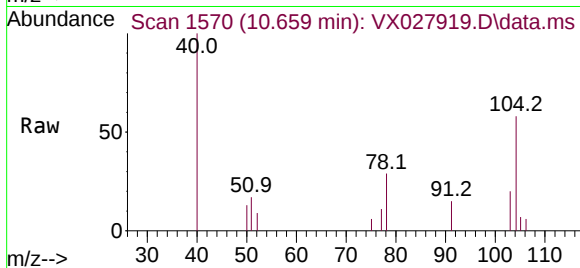
Tgt Ion:104 Resp: 753

Ion Ratio Lower Upper

104 100

78 54.7 38.6 57.8

103 43.6 43.8 65.8#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX027919.D

Acq: 02 Apr 2022 06:41

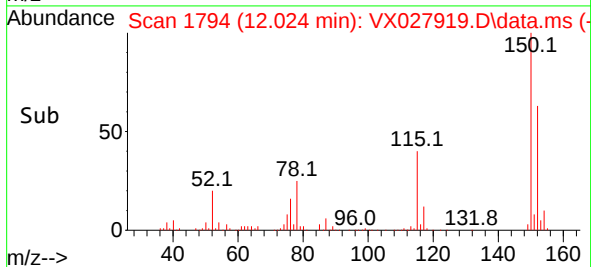
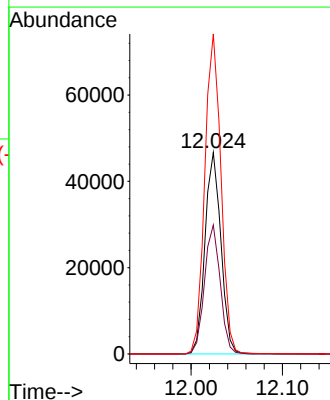
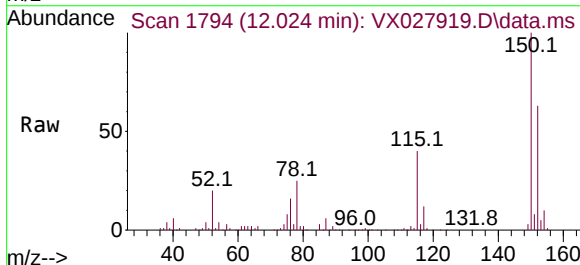
Tgt Ion:152 Resp: 56417

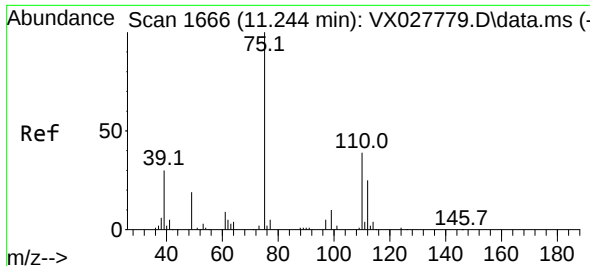
Ion Ratio Lower Upper

152 100

115 63.3 37.5 112.7

150 160.7 0.0 338.2

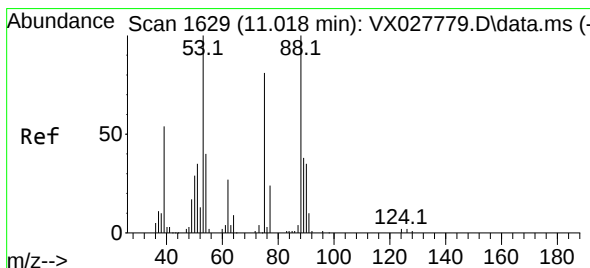
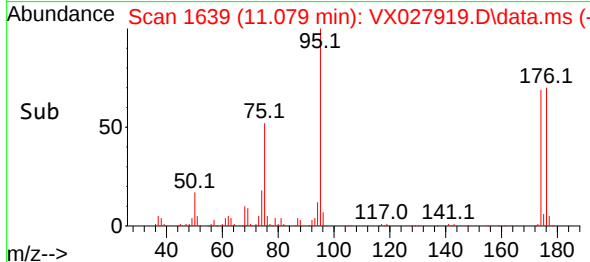
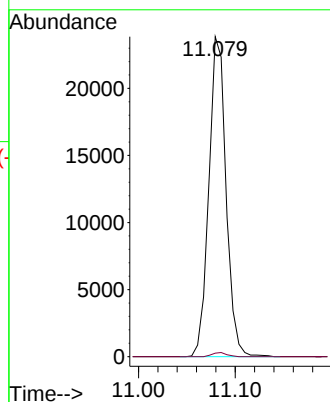
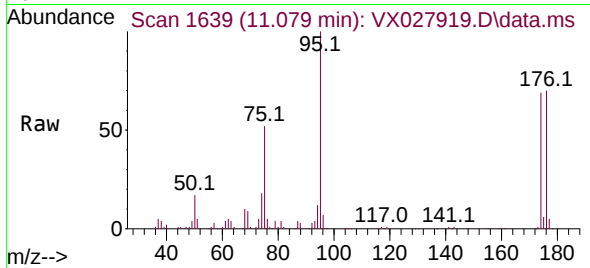




#76
1,2,3-Trichloropropane
Concen: 22.326 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027919.D
Acq: 02 Apr 2022 06:41

Instrument :
MSVOA_X
ClientSampleId :
MW-8

Tgt Ion: 75 Resp: 29548
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.927 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027919.D
Acq: 02 Apr 2022 06:41

Tgt Ion: 75 Resp: 29548
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.1 37.0 55.6#

