

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029031.D
 Acq On : 27 May 2022 17:57
 Operator : JC/MD
 Sample : N2968-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-44

Quant Time: May 27 22:10:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

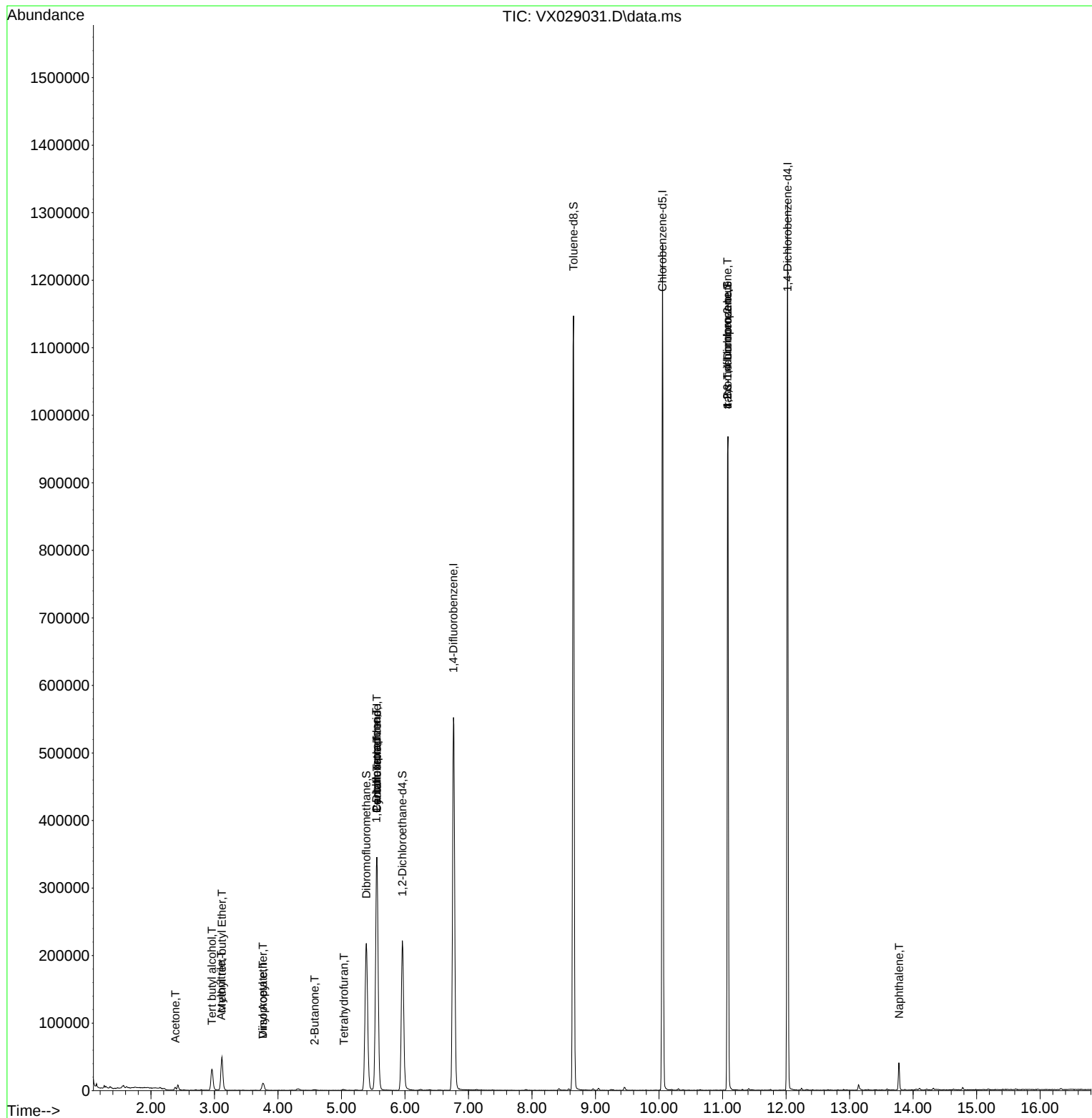
Internal Standards						
1) Pentafluorobenzene	5.556	168	333285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	594174	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	572835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	272750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	216452	47.379	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.760%
35) Dibromofluoromethane	5.391	113	194455	49.951	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.900%
50) Toluene-d8	8.653	98	706906	48.164	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.320%
62) 4-Bromofluorobenzene	11.079	95	276319	50.405	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.800%
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	985	Below Cal		99
6) Chloroethane	1.654	64	368	Below Cal	#	43
11) Tert butyl alcohol	2.959	59	38126	32.378	ug/l	99
15) Acrylonitrile	3.105	53	665	0.302	ug/l #	26
16) Acetone	2.386	43	4632	2.362	ug/l	92
19) Methyl tert-butyl Ether	3.117	73	55285	4.517	ug/l	99
22) Diisopropyl ether	3.763	45	11563	0.978	ug/l #	86
23) Vinyl Acetate	3.763	43	5718	0.561	ug/l #	66
25) 2-Butanone	4.574	43	905	0.294	ug/l #	44
29) Tetrahydrofuran	5.038	42	1008	0.504	ug/l #	43
31) Cyclohexane	5.556	56	6301	0.994	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	25708	4.397	ug/l #	50
38) Carbon Tetrachloride	5.556	117	34008	5.779	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	133962	20.972	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	133962	61.593	ug/l #	15
95) Naphthalene	13.780	128	27403	1.414	ug/l	99

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

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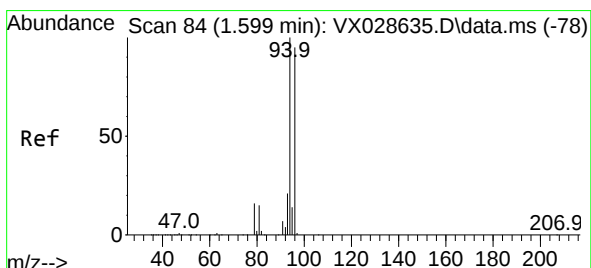
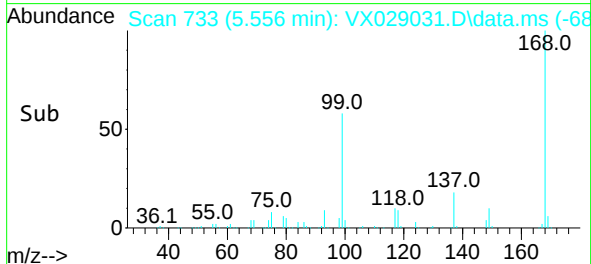
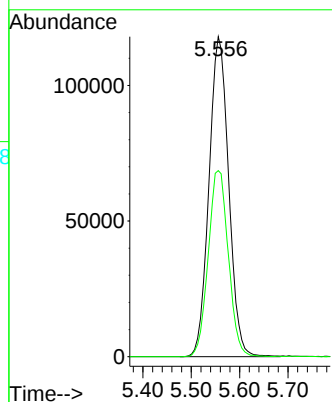
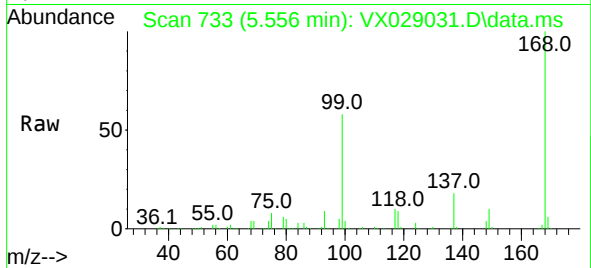




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX029031.D
Acq: 27 May 2022 17:57

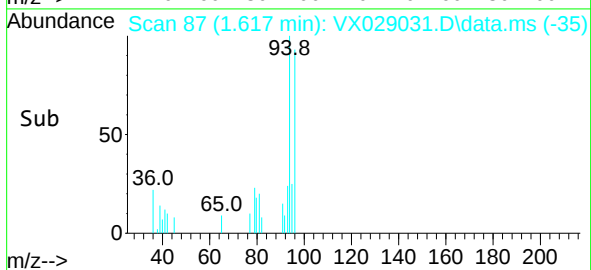
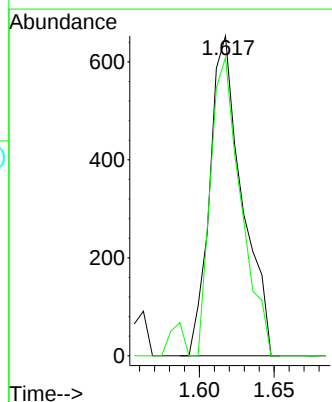
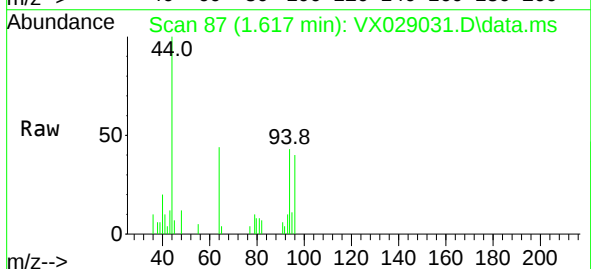
Instrument :
MSVOA_X
ClientSampleId :
MW-44

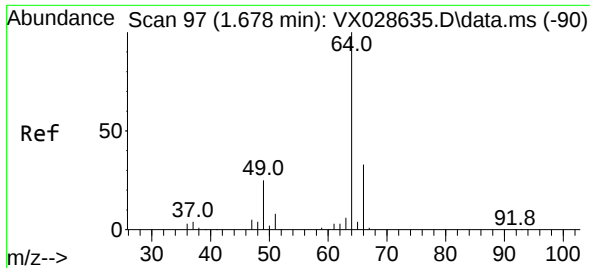
Tgt Ion:168 Resp: 333285
Ion Ratio Lower Upper
168 100
99 58.2 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX029031.D
Acq: 27 May 2022 17:57

Tgt Ion: 94 Resp: 985
Ion Ratio Lower Upper
94 100
96 93.3 75.3 112.9

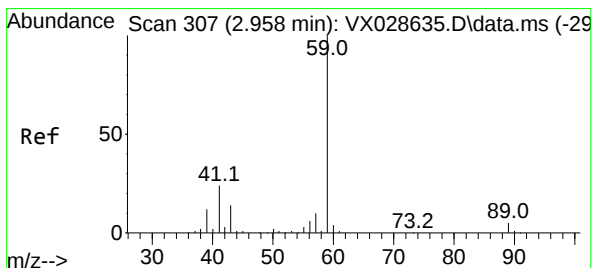
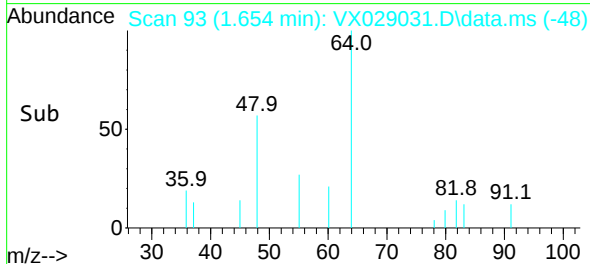
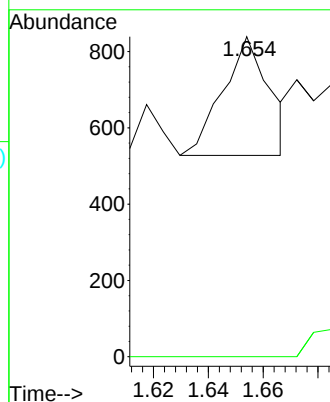
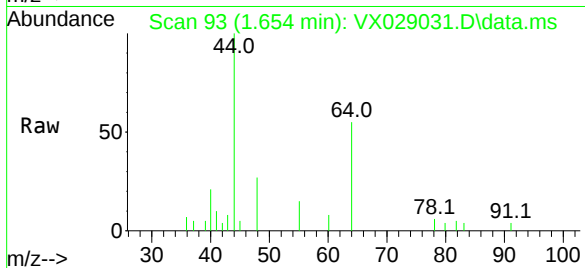




#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 91
Delta R.T. -0.024 min
Lab File: VX029031.D
Acq: 27 May 2022 17:57

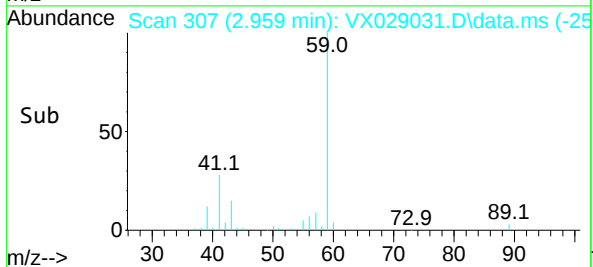
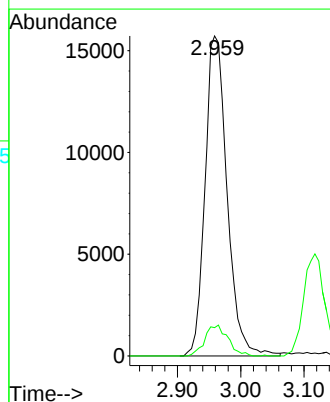
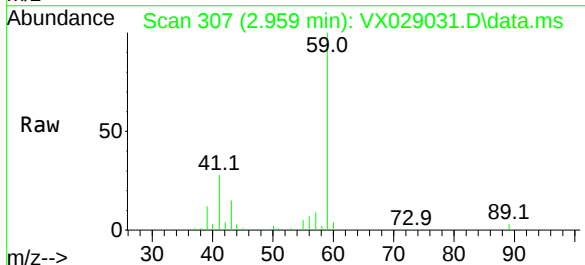
Instrument :
MSVOA_X
ClientSampleId :
MW-44

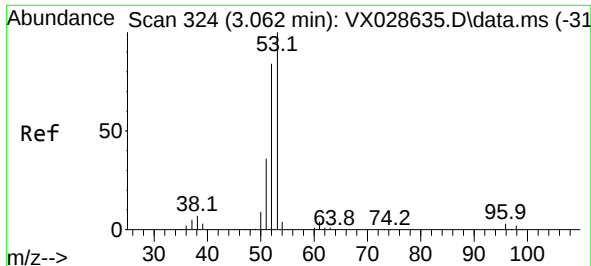
Tgt Ion: 64 Resp: 368
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#11
Tert butyl alcohol
Concen: 32.378 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX029031.D
Acq: 27 May 2022 17:57

Tgt Ion: 59 Resp: 38126
Ion Ratio Lower Upper
59 100
57 10.1 8.3 12.5





#15

Acrylonitrile

Concen: 0.302 ug/l

RT: 3.105 min Scan# 31

Delta R.T. 0.043 min

Lab File: VX029031.D

Acq: 27 May 2022 17:57

Instrument :

MSVOA_X

ClientSampleId :

MW-44

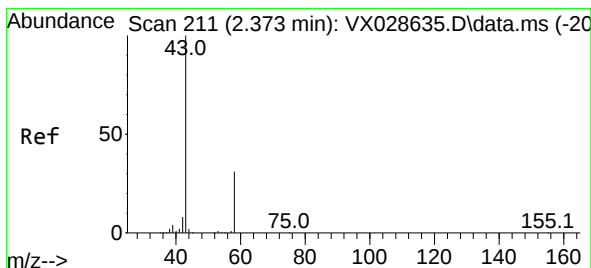
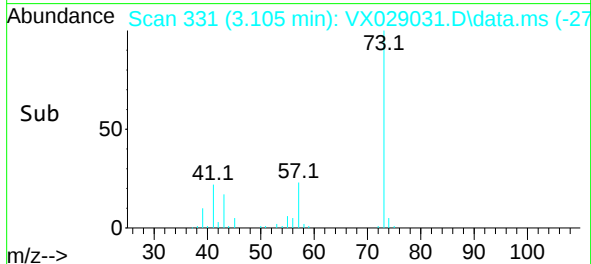
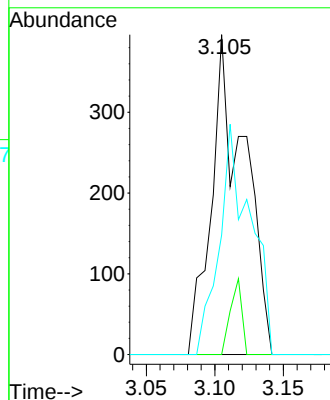
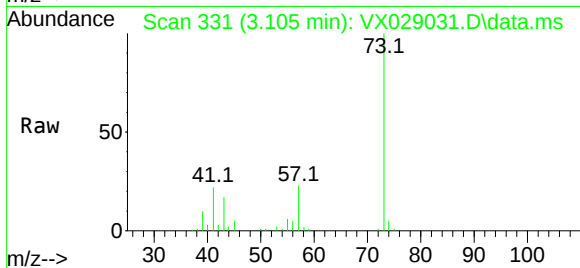
Tgt Ion: 53 Resp: 665

Ion Ratio Lower Upper

53 100

52 8.1 65.7 98.5#

51 67.2 28.4 42.6#



#16

Acetone

Concen: 2.362 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.013 min

Lab File: VX029031.D

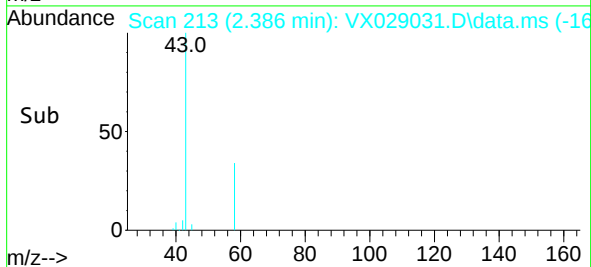
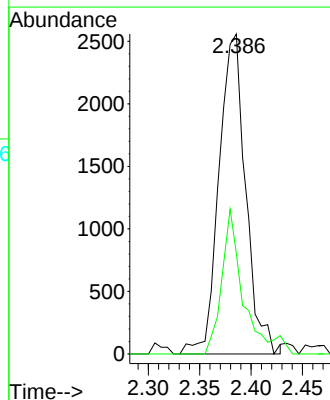
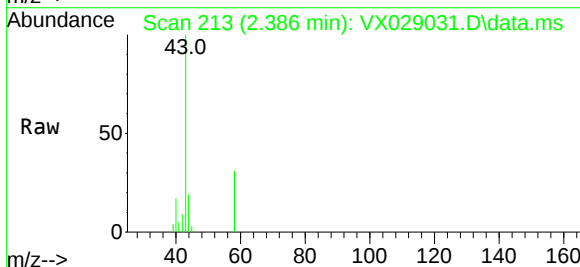
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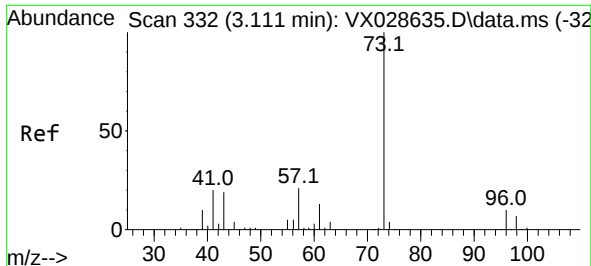
Tgt Ion: 43 Resp: 4632

Ion Ratio Lower Upper

43 100

58 31.4 28.8 43.2

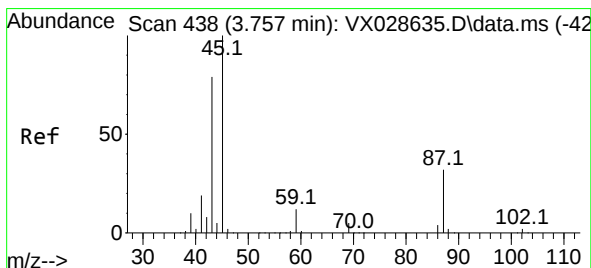
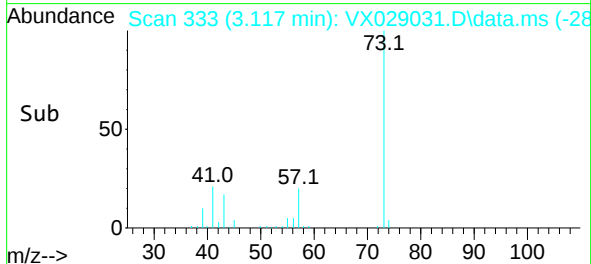
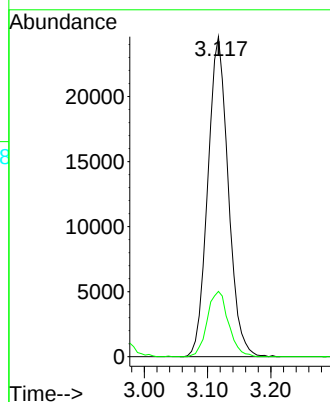
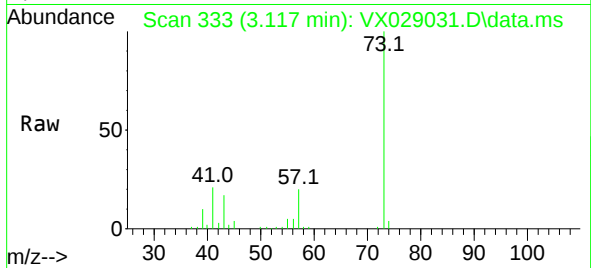




#19
Methyl tert-butyl Ether
Concen: 4.517 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX029031.D
Acq: 27 May 2022 17:57

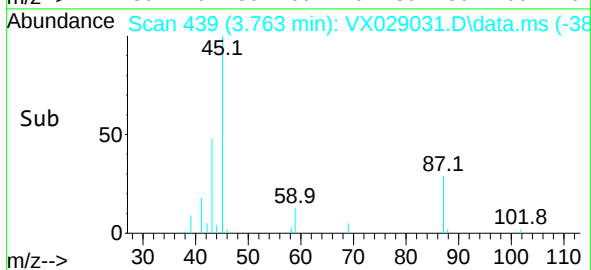
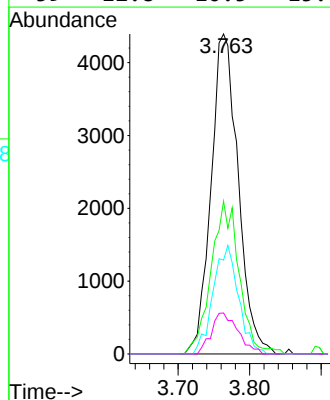
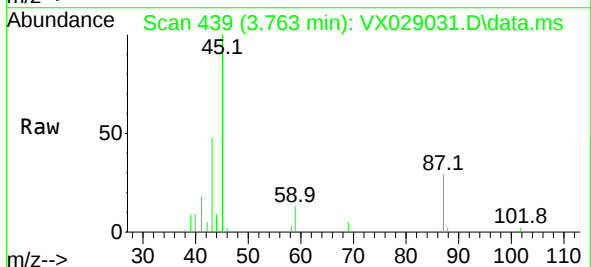
Instrument :
MSVOA_X
ClientSampleId :
MW-44

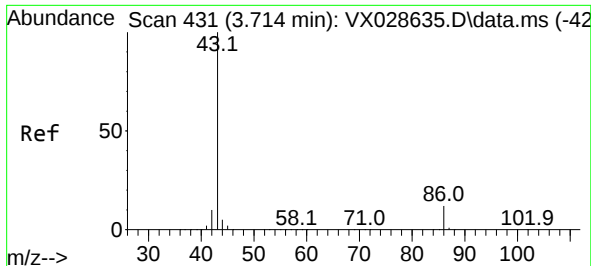
Tgt Ion: 73 Resp: 55285
Ion Ratio Lower Upper
73 100
57 20.4 16.8 25.2



#22
Diisopropyl ether
Concen: 0.978 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX029031.D
Acq: 27 May 2022 17:57

Tgt Ion: 45 Resp: 11563
Ion Ratio Lower Upper
45 100
43 47.7 50.8 76.2#
87 29.4 26.6 39.8
59 12.8 10.5 15.7

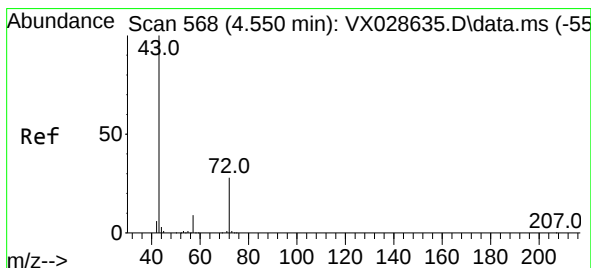
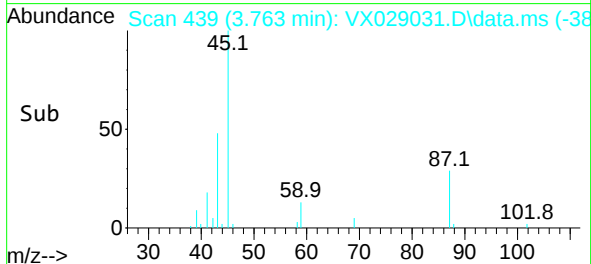
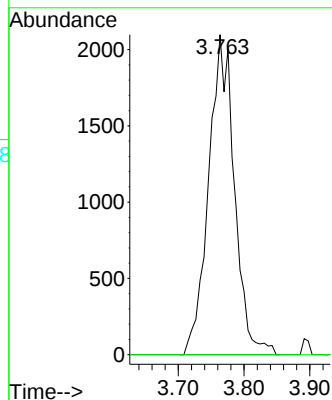
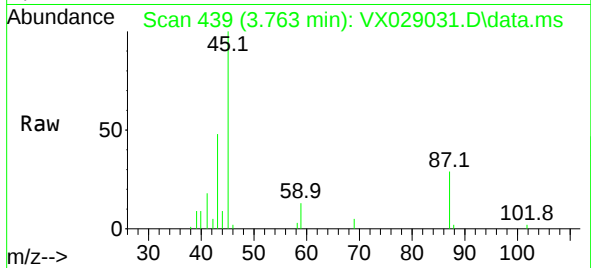




#23
 Vinyl Acetate
 Concen: 0.561 ug/l
 RT: 3.763 min Scan# 41
 Delta R.T. 0.049 min
 Lab File: VX029031.D
 Acq: 27 May 2022 17:57

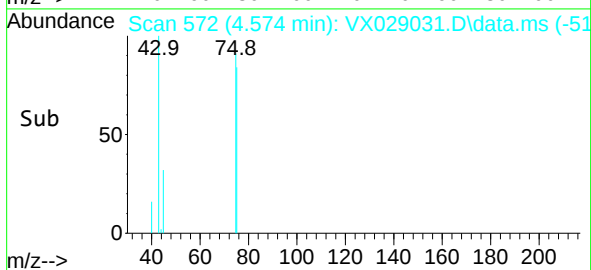
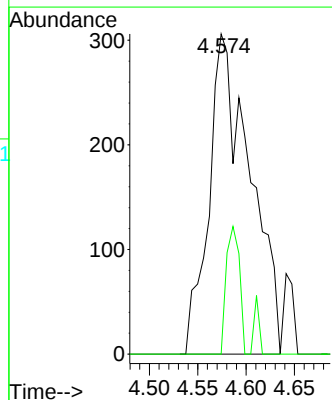
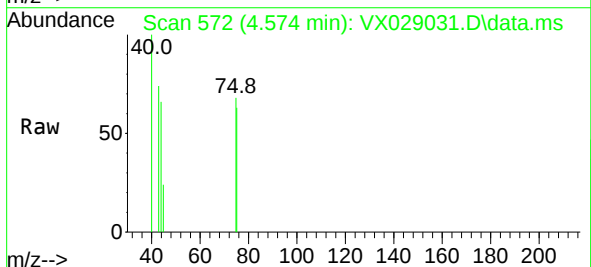
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-44

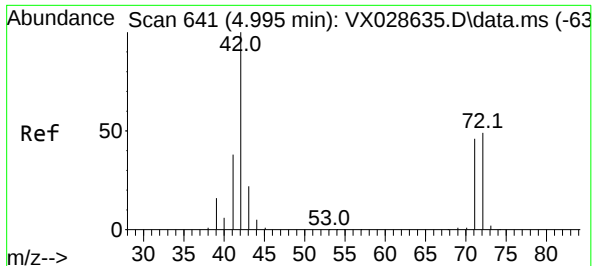
Tgt Ion: 43 Resp: 5718
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.8 16.2#



#25
 2-Butanone
 Concen: 0.294 ug/l
 RT: 4.574 min Scan# 572
 Delta R.T. 0.024 min
 Lab File: VX029031.D
 Acq: 27 May 2022 17:57

Tgt Ion: 43 Resp: 905
 Ion Ratio Lower Upper
 43 100
 72 0.0 24.4 36.6#





#29

Tetrahydrofuran

Concen: 0.504 ug/l

RT: 5.038 min Scan# 641

Delta R.T. 0.043 min

Lab File: VX029031.D

Acq: 27 May 2022 17:57

Instrument :

MSVOA_X

ClientSampleId :

MW-44

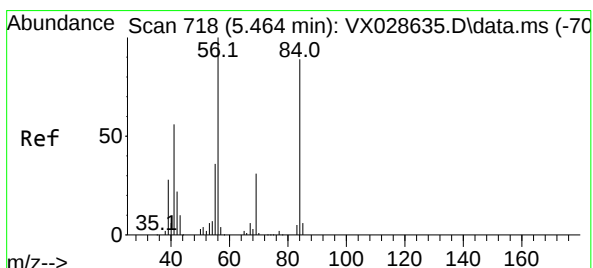
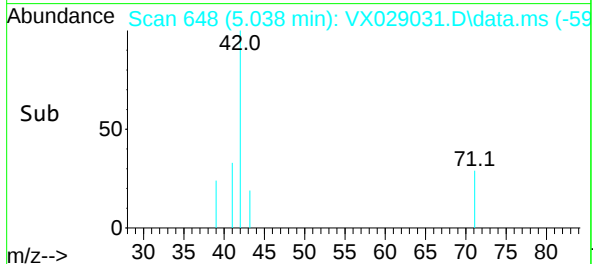
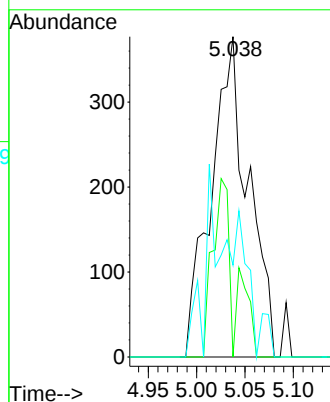
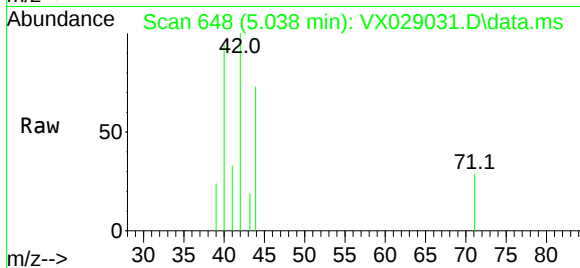
Tgt Ion: 42 Resp: 1008

Ion Ratio Lower Upper

42 100

72 23.8 44.1 66.1#

71 0.0 40.5 60.7#



#31

Cyclohexane

Concen: 0.994 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.092 min

Lab File: VX029031.D

Acq: 27 May 2022 17:57

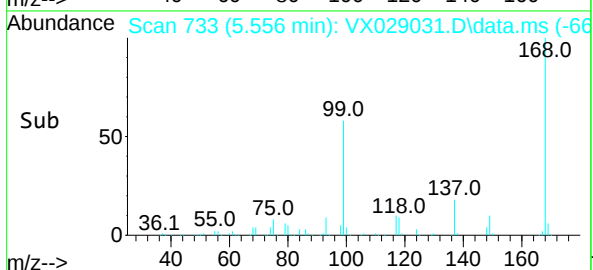
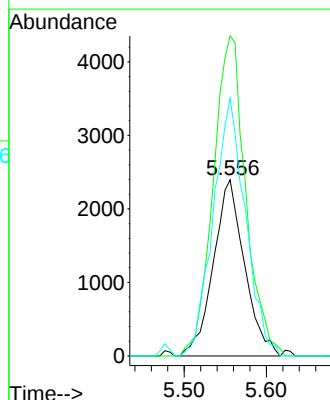
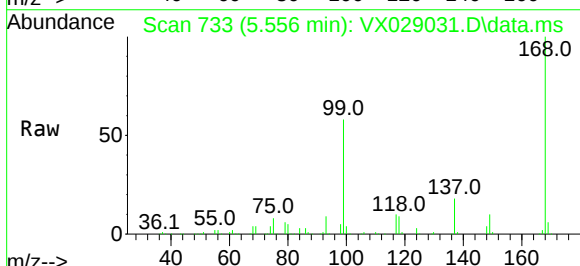
Tgt Ion: 56 Resp: 6301

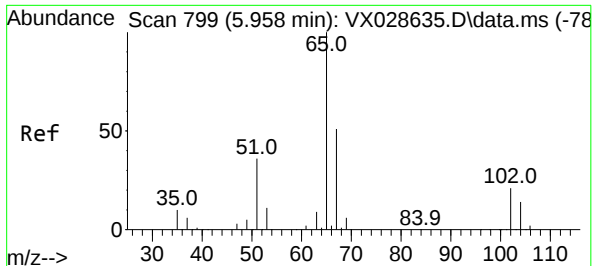
Ion Ratio Lower Upper

56 100

69 181.6 26.7 40.1#

84 146.2 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 47.379 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029031.D

Acq: 27 May 2022 17:57

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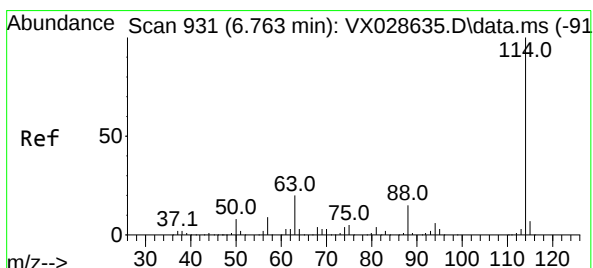
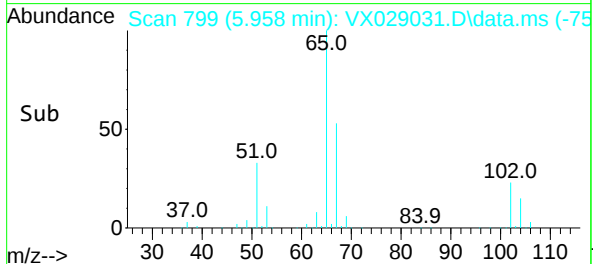
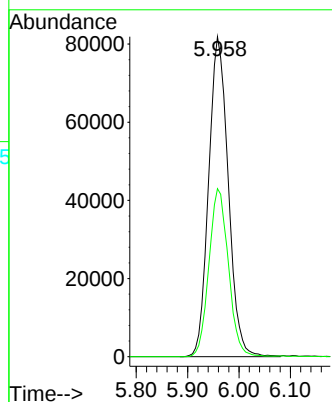
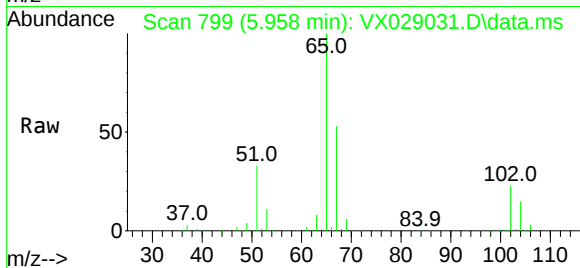
MW-44

Tgt Ion: 65 Resp: 216452

Ion Ratio Lower Upper

65 100

67 52.2 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: VX029031.D

Acq: 27 May 2022 17:57

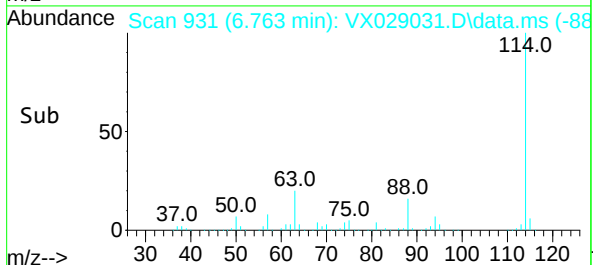
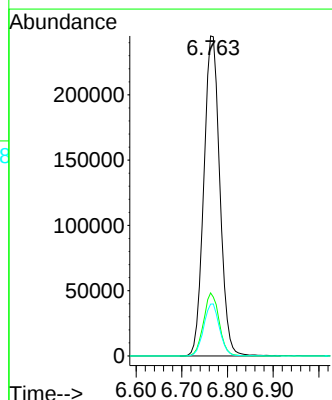
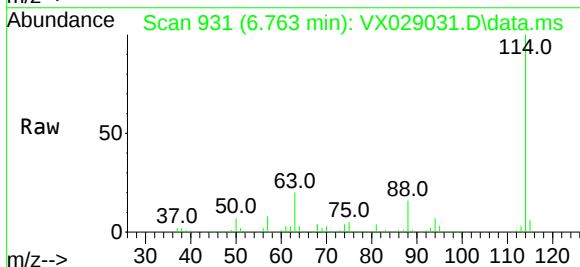
Tgt Ion: 114 Resp: 594174

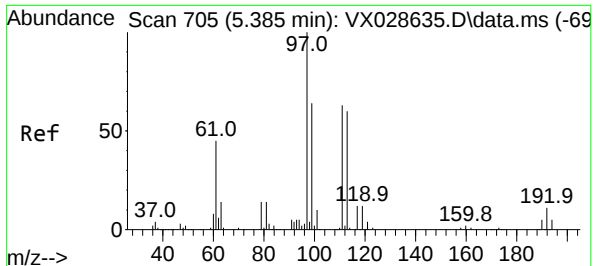
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.8

88 16.2 0.0 32.4

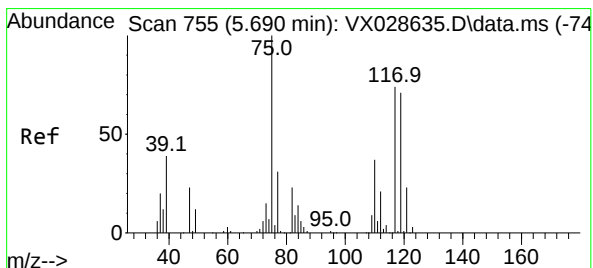
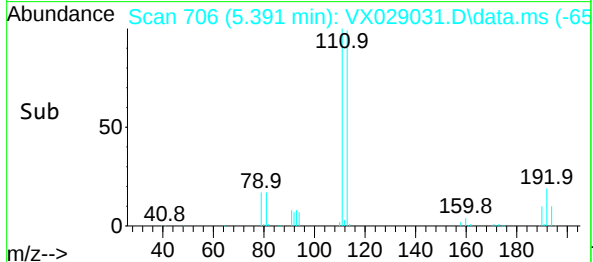
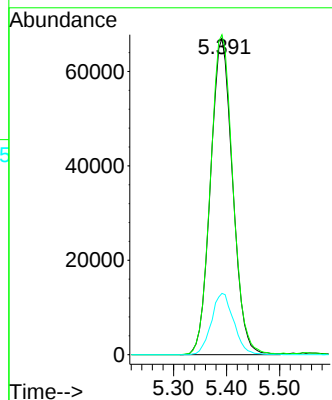
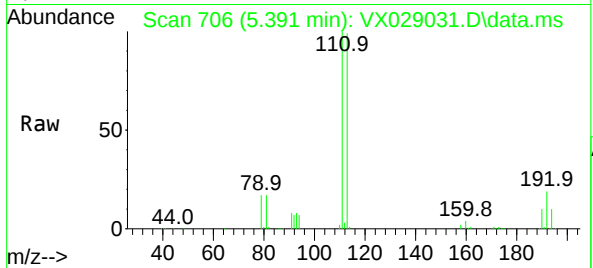




#35
Dibromofluoromethane
Concen: 49.951 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX029031.D
Acq: 27 May 2022 17:57

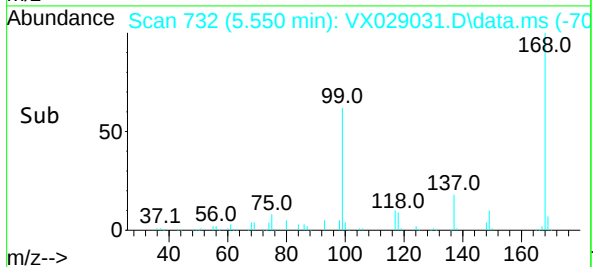
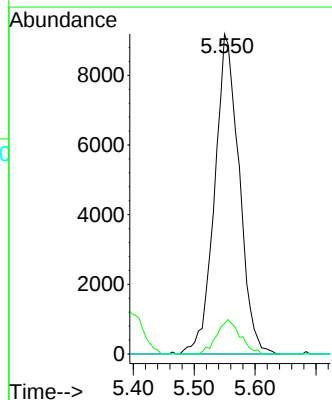
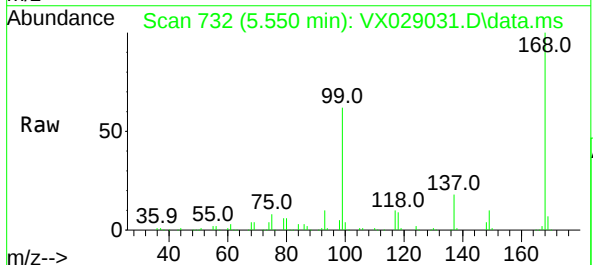
Instrument :
MSVOA_X
ClientSampleId :
MW-44

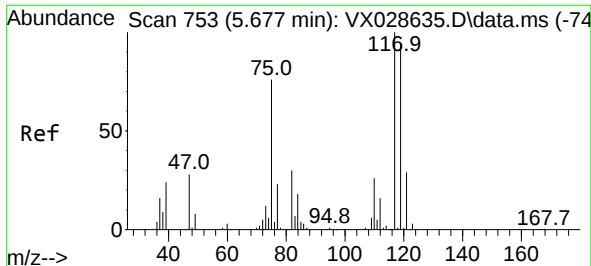
Tgt Ion:113 Resp: 194455
Ion Ratio Lower Upper
113 100
111 102.4 82.8 124.2
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.397 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX029031.D
Acq: 27 May 2022 17:57

Tgt Ion: 75 Resp: 25708
Ion Ratio Lower Upper
75 100
110 10.2 18.3 54.8#
77 0.0 24.8 37.2#

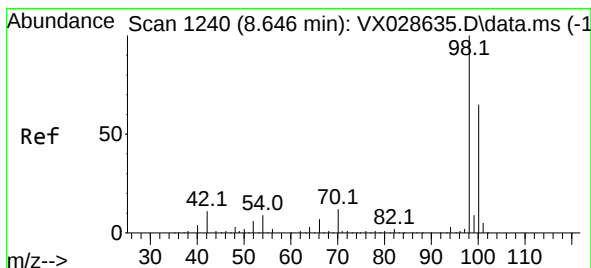
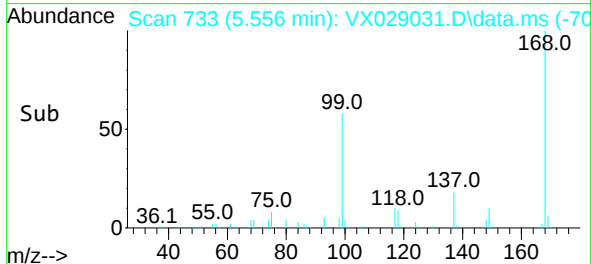
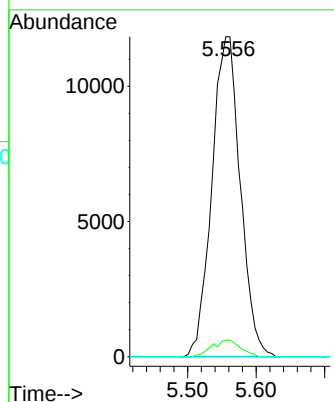
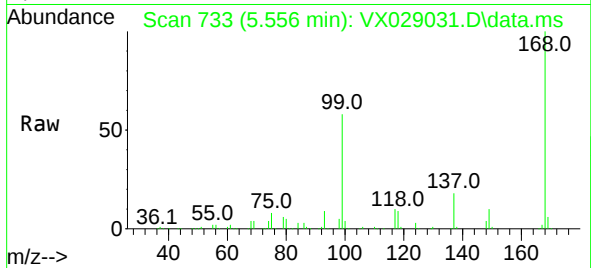




#38
Carbon Tetrachloride
Concen: 5.779 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX029031.D
Acq: 27 May 2022 17:57

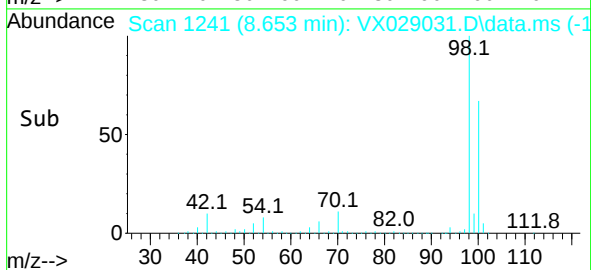
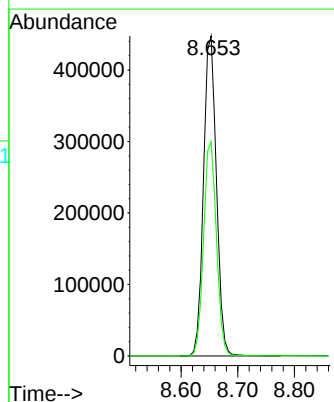
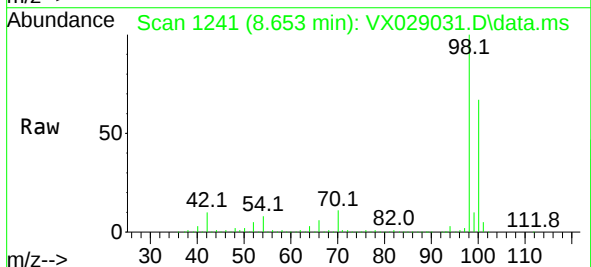
Instrument :
MSVOA_X
ClientSampleId :
MW-44

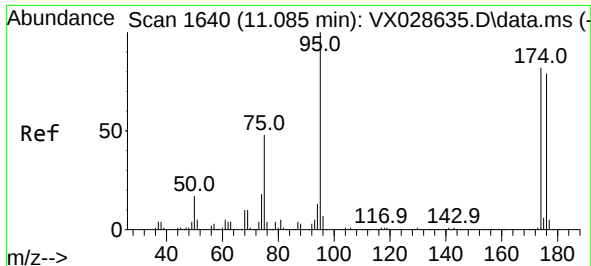
Tgt Ion:117 Resp: 34008
Ion Ratio Lower Upper
117 100
119 5.2 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.164 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX029031.D
Acq: 27 May 2022 17:57

Tgt Ion: 98 Resp: 706906
Ion Ratio Lower Upper
98 100
100 66.7 52.6 78.8

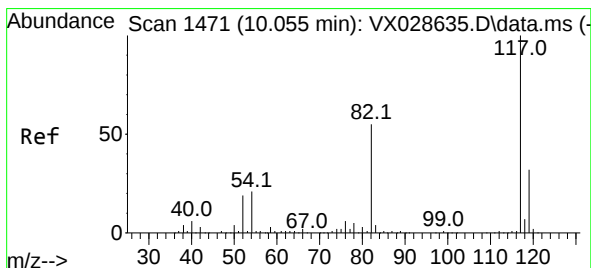
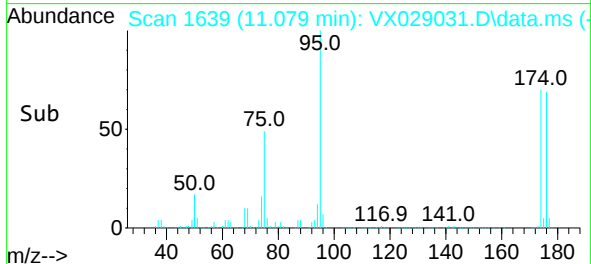
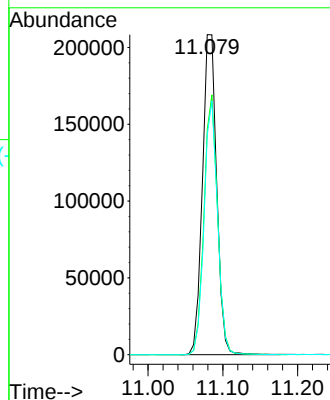
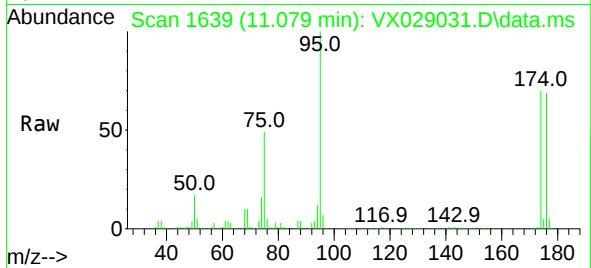




#62
4-Bromofluorobenzene
Concen: 50.405 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029031.D
Acq: 27 May 2022 17:57

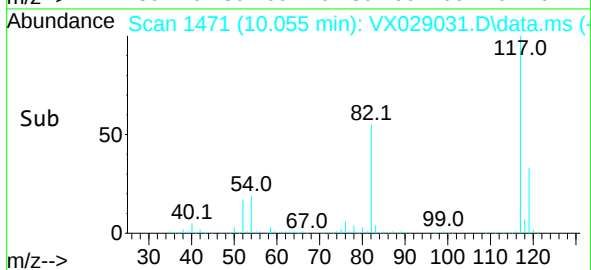
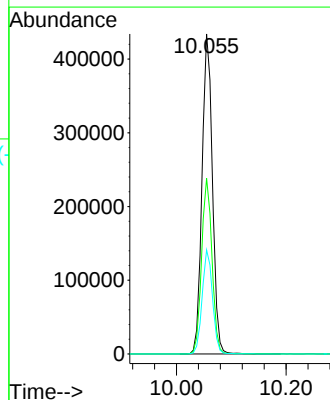
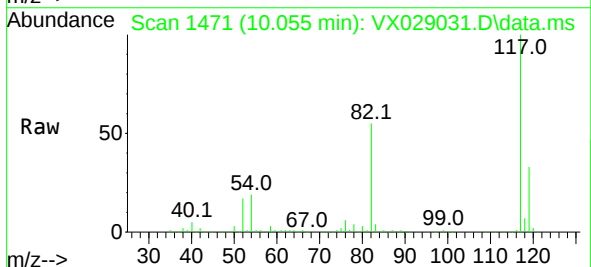
Instrument :
MSVOA_X
ClientSampleId :
MW-44

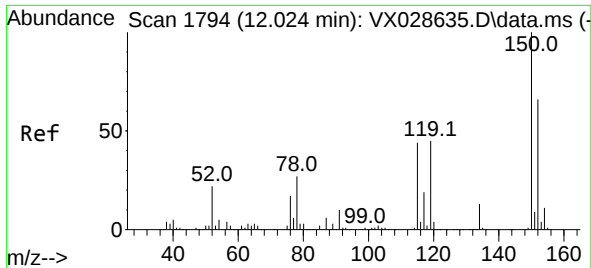
Tgt Ion: 95 Resp: 276319
Ion Ratio Lower Upper
95 100
174 77.0 0.0 163.0
176 75.0 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029031.D
Acq: 27 May 2022 17:57

Tgt Ion: 117 Resp: 572835
Ion Ratio Lower Upper
117 100
82 54.9 41.8 62.8
119 32.5 24.8 37.2

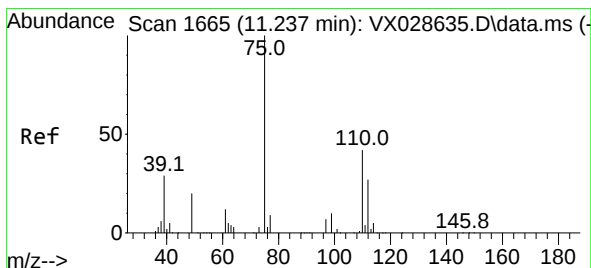
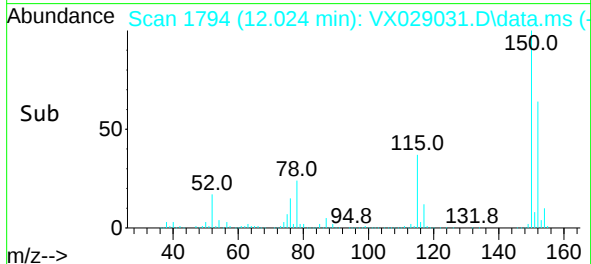
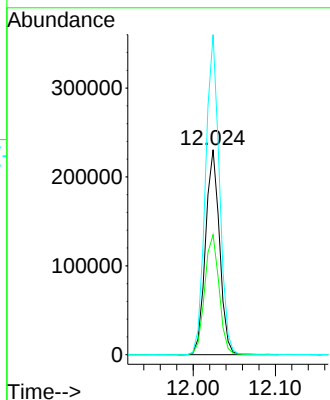
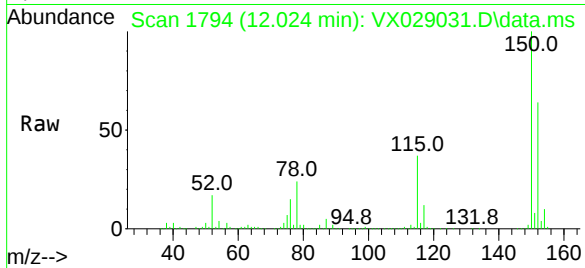




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029031.D
Acq: 27 May 2022 17:57

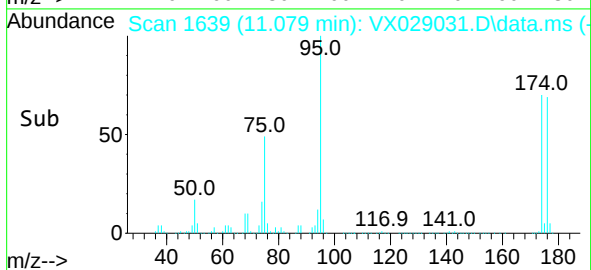
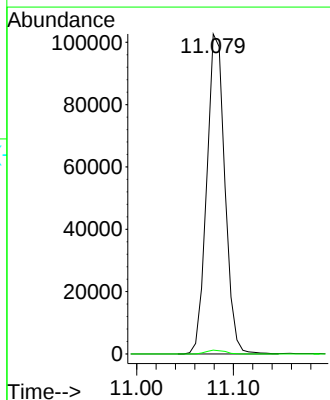
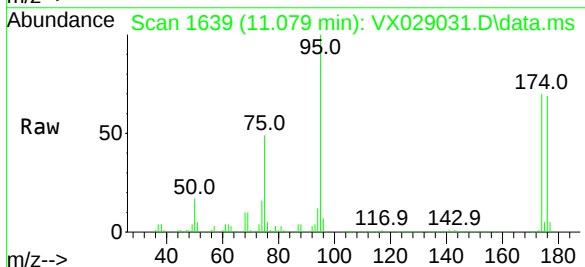
Instrument :
MSVOA_X
ClientSampleId :
MW-44

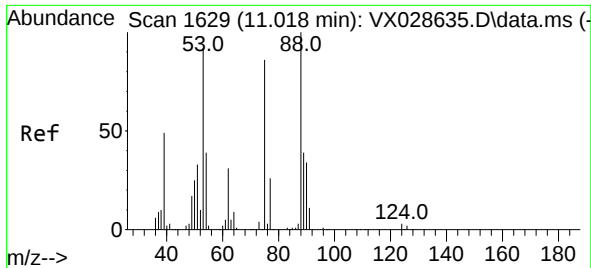
Tgt Ion:152 Resp: 272750
Ion Ratio Lower Upper
152 100
115 60.3 37.5 112.7
150 155.5 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 20.972 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX029031.D
Acq: 27 May 2022 17:57

Tgt Ion: 75 Resp: 133962
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#

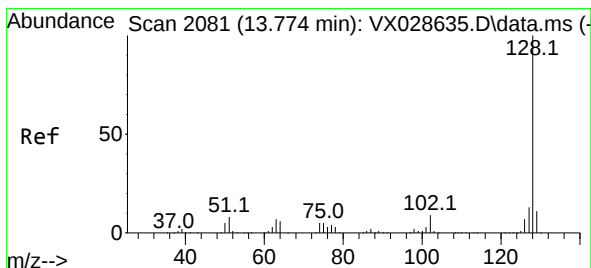
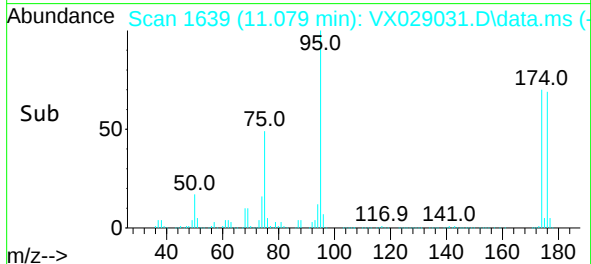
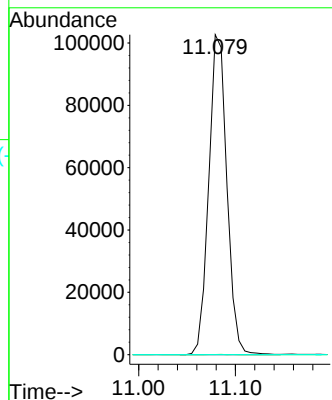
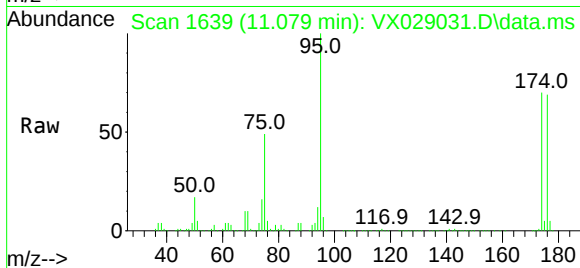




#81
trans-1,4-Dichloro-2-butene
Concen: 61.593 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029031.D
Acq: 27 May 2022 17:57

Instrument :
MSVOA_X
ClientSampleId :
MW-44

Tgt Ion: 75 Resp: 133962
Ion Ratio Lower Upper
75 100
53 0.1 69.0 103.4#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 1.414 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX029031.D
Acq: 27 May 2022 17:57

Tgt Ion:128 Resp: 27403
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 11.1 8.7 13.1

