

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101422\
 Data File : VX032135.D
 Acq On : 14 Oct 2022 15:30
 Operator : JC/MD
 Sample : N5145-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7-101322

Quant Time: Oct 17 02:25:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

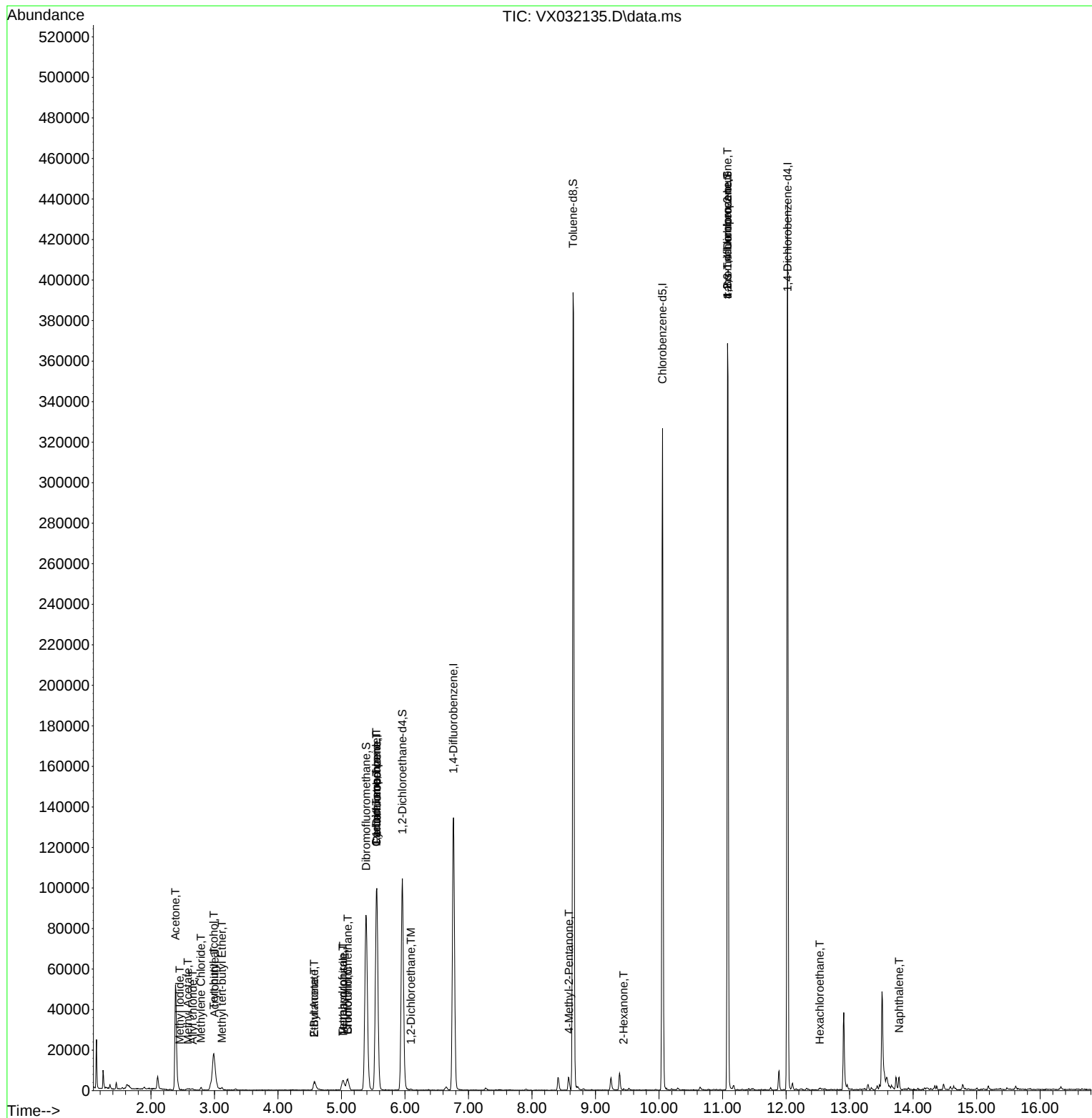
Internal Standards						
1) Pentafluorobenzene	5.556	168	88600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	133452	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	137272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	98364	53.757	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.520%	
35) Dibromofluoromethane	5.385	113	72692	48.121	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.240%	
50) Toluene-d8	8.646	98	232774	42.823	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 85.640%#	
62) 4-Bromofluorobenzene	11.079	95	93636	48.727	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.460%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.623	94	414	Below Cal	#	80
10) Methyl Iodide	2.452	142	39	2.780	ug/l #	69
11) Tert butyl alcohol	2.989	59	29079	127.733	ug/l	100
14) Allyl chloride	2.660	41	641	0.334	ug/l #	34
15) Acrylonitrile	3.001	53	524	0.722	ug/l #	20
16) Acetone	2.385	43	58357	93.841	ug/l	93
18) Methyl Acetate	2.580	43	485	0.236	ug/l #	52
19) Methyl tert-butyl Ether	3.117	73	928	0.205	ug/l	92
20) Methylene Chloride	2.788	84	684	0.419	ug/l #	63
25) 2-Butanone	4.568	43	5620	5.781	ug/l	97
28) Bromochloromethane	5.098	49	509	0.460	ug/l #	15
29) Tetrahydrofuran	5.019	42	4503	7.179	ug/l	98
30) Chloroform	5.098	83	6239	2.165	ug/l	99
31) Cyclohexane	5.549	56	2301	1.053	ug/l #	49
36) 1,1-Dichloropropene	5.549	75	7624	3.806	ug/l #	51
37) Ethyl Acetate	4.568	43	5620	2.980	ug/l #	68
38) Carbon Tetrachloride	5.549	117	9727	4.749	ug/l #	17
41) Methacrylonitrile	5.025	41	2916	2.974	ug/l #	46
42) 1,2-Dichloroethane	6.092	62	538	0.252	ug/l #	75
51) 4-Methyl-2-Pentanone	8.579	43	3937	2.076	ug/l	96
59) 2-Hexanone	9.439	43	349	0.250	ug/l	64
76) 1,2,3-Trichloropropane	11.079	75	53457	31.113	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	53457	106.064	ug/l #	11
90) Hexachloroethane	12.530	117	20	1.331	ug/l #	15
95) Naphthalene	13.780	128	3690	0.602	ug/l	98

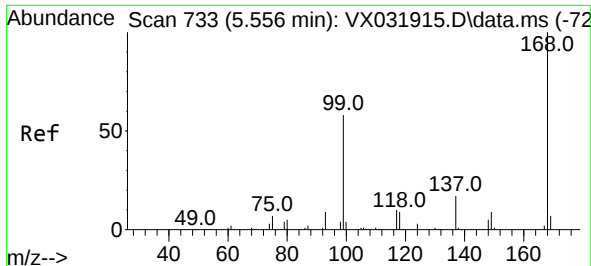
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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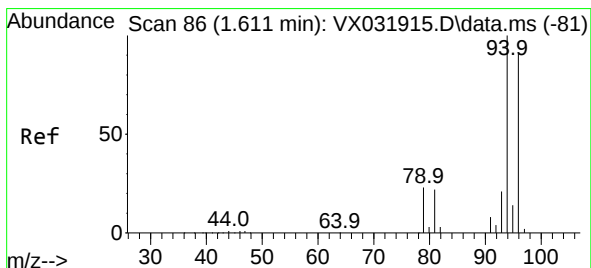
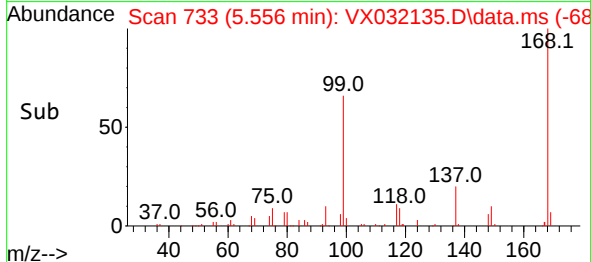
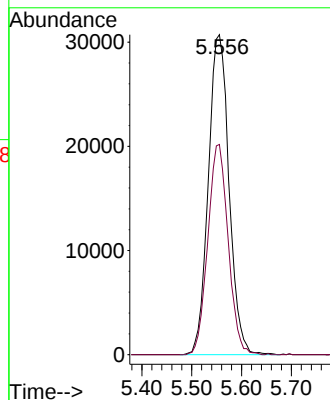
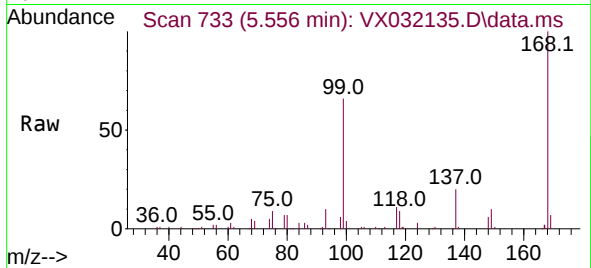




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032135.D
Acq: 14 Oct 2022 15:30

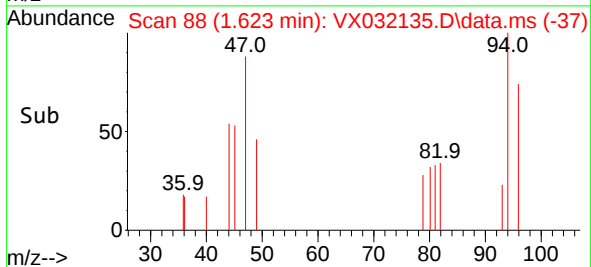
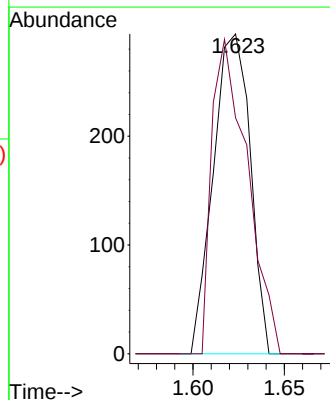
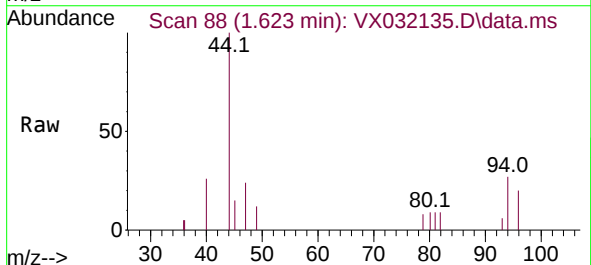
Instrument :
MSVOA_X
ClientSampleId :
MW-7-101322

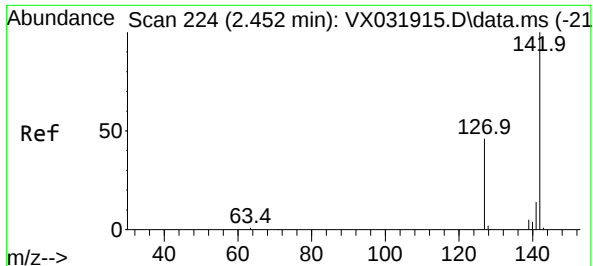
Tgt Ion:168 Resp: 88600
Ion Ratio Lower Upper
168 100
99 65.7 48.8 73.2



#5
Bromomethane
Concen: Below Cal
RT: 1.623 min Scan# 88
Delta R.T. 0.012 min
Lab File: VX032135.D
Acq: 14 Oct 2022 15:30

Tgt Ion: 94 Resp: 414
Ion Ratio Lower Upper
94 100
96 73.8 74.4 111.6#

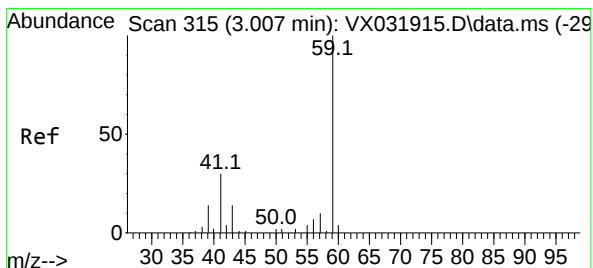
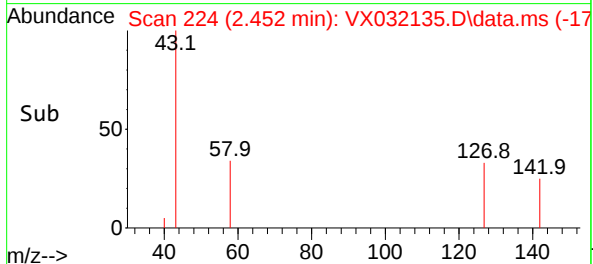
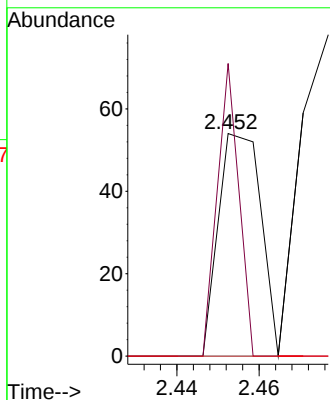
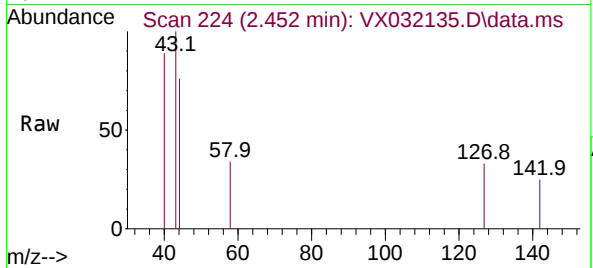




#10
Methyl Iodide
Concen: 2.780 ug/l
RT: 2.452 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX032135.D
Acq: 14 Oct 2022 15:30

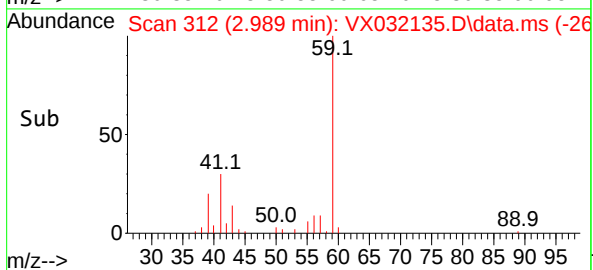
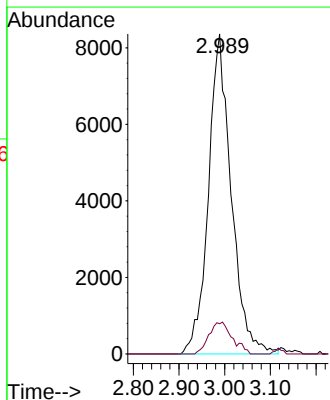
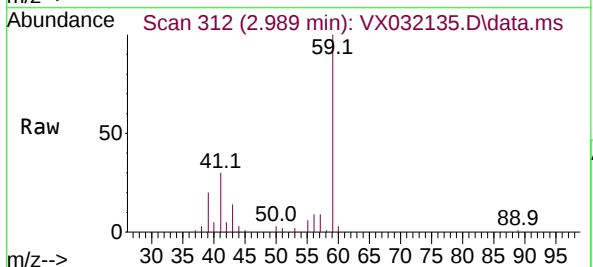
Instrument :
MSVOA_X
ClientSampleId :
MW-7-101322

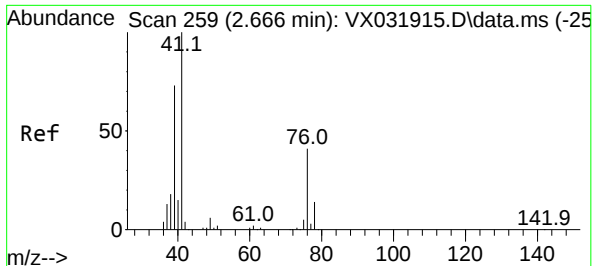
Tgt Ion:142 Resp: 39
Ion Ratio Lower Upper
142 100
127 66.7 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 127.733 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.018 min
Lab File: VX032135.D
Acq: 14 Oct 2022 15:30

Tgt Ion: 59 Resp: 29079
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2





#14

Allyl chloride

Concen: 0.334 ug/l

RT: 2.660 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX032135.D

Acq: 14 Oct 2022 15:30

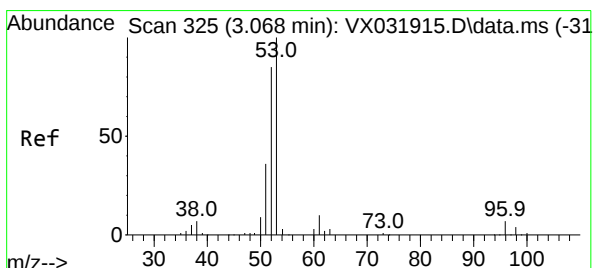
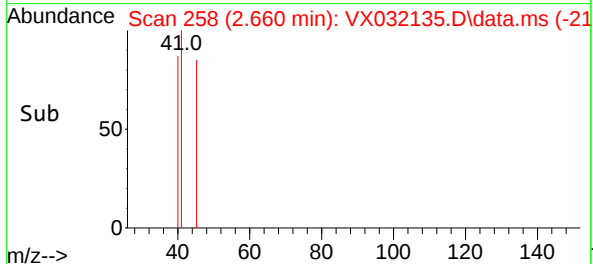
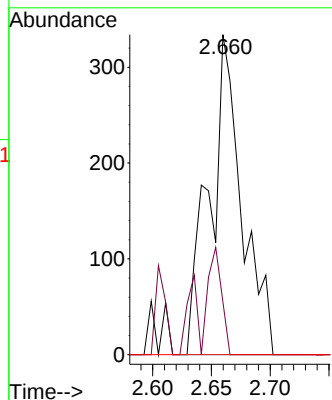
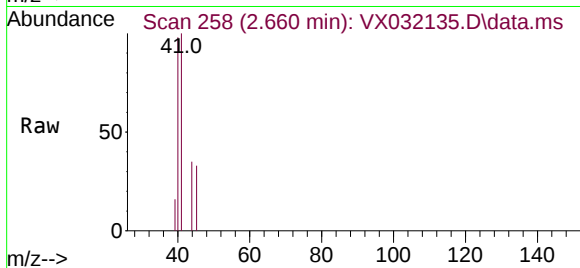
Instrument :

MSVOA_X

ClientSampleId :

MW-7-101322

Tgt Ion: 41	Resp: 641
Ion Ratio	Lower Upper
41 100	
39 14.2	58.2 87.4#
76 0.0	26.9 40.3#



#15

Acrylonitrile

Concen: 0.722 ug/l

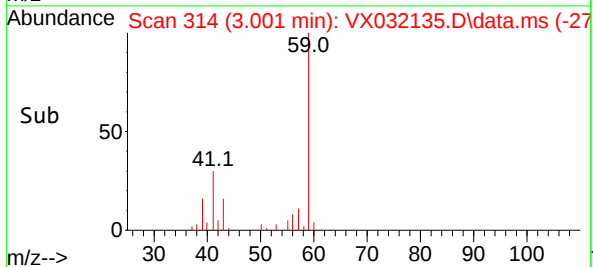
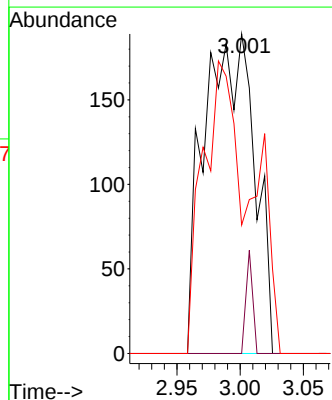
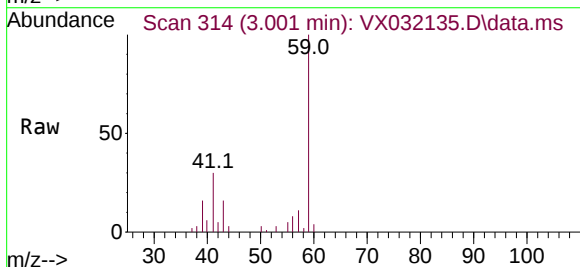
RT: 3.001 min Scan# 314

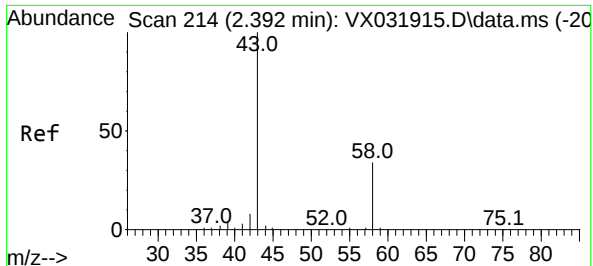
Delta R.T. -0.067 min

Lab File: VX032135.D

Acq: 14 Oct 2022 15:30

Tgt Ion: 53	Resp: 524
Ion Ratio	Lower Upper
53 100	
52 4.2	66.9 100.3#
51 0.0	30.0 45.0#

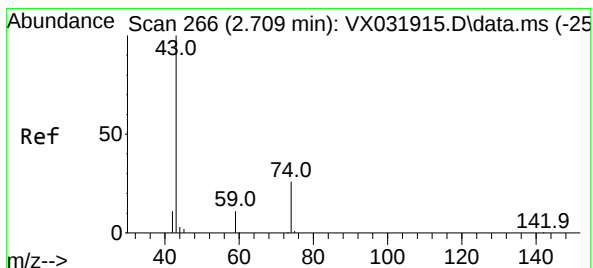
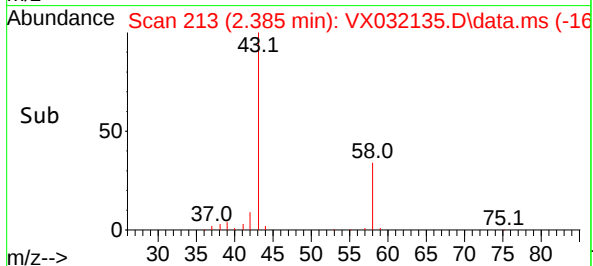
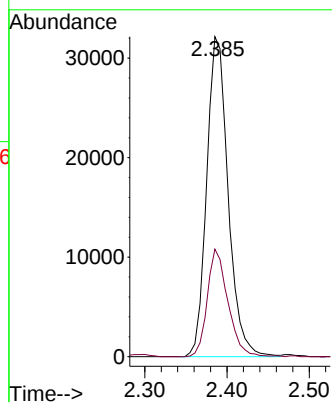
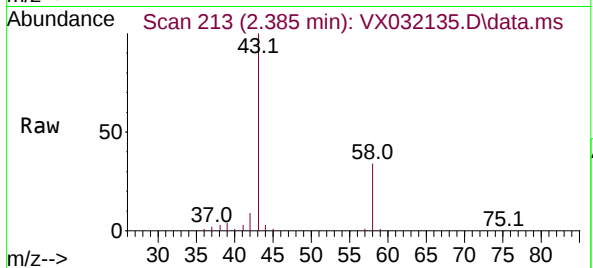




#16
Acetone
Concen: 93.841 ug/l
RT: 2.385 min Scan# 214
Delta R.T. -0.007 min
Lab File: VX032135.D
Acq: 14 Oct 2022 15:30

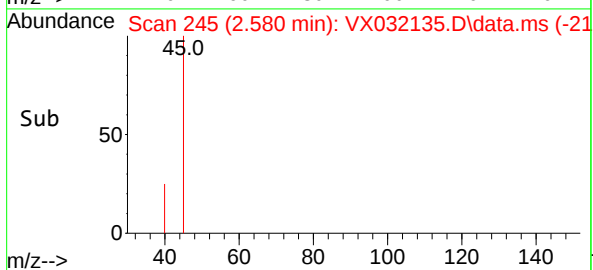
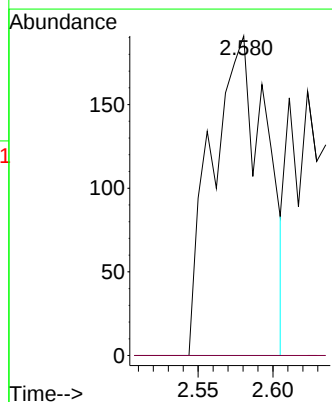
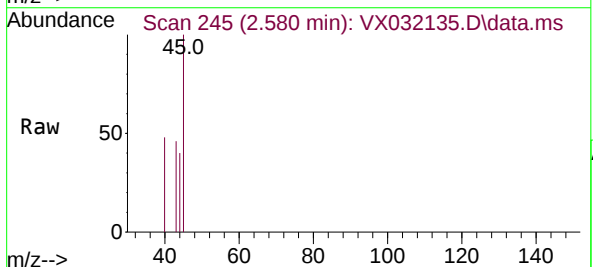
Instrument :
MSVOA_X
ClientSampleId :
MW-7-101322

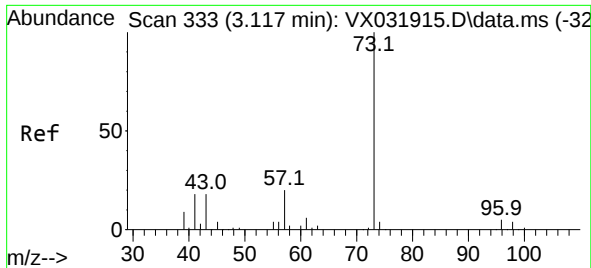
Tgt Ion: 43 Resp: 58357
Ion Ratio Lower Upper
43 100
58 33.6 23.8 35.8



#18
Methyl Acetate
Concen: 0.236 ug/l
RT: 2.580 min Scan# 245
Delta R.T. -0.129 min
Lab File: VX032135.D
Acq: 14 Oct 2022 15:30

Tgt Ion: 43 Resp: 485
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#

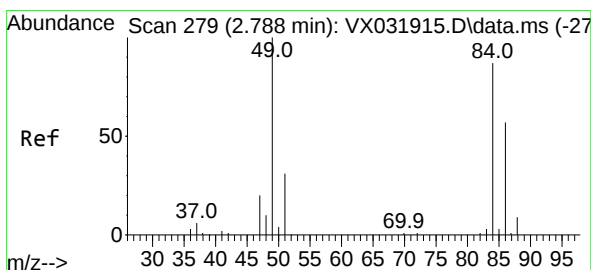
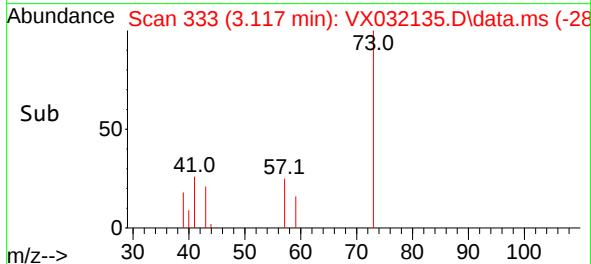
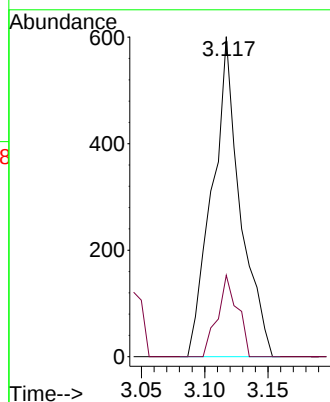
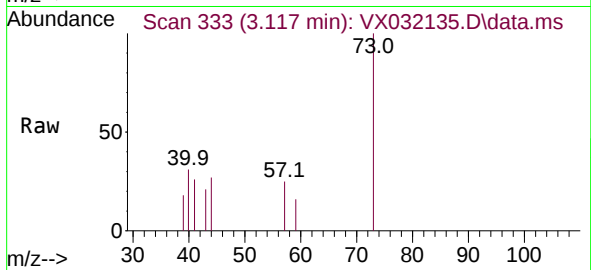




#19
Methyl tert-butyl Ether
Concen: 0.205 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX032135.D
Acq: 14 Oct 2022 15:30

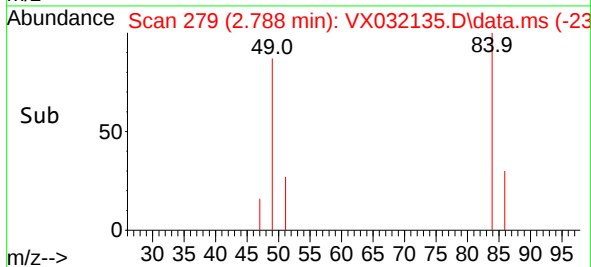
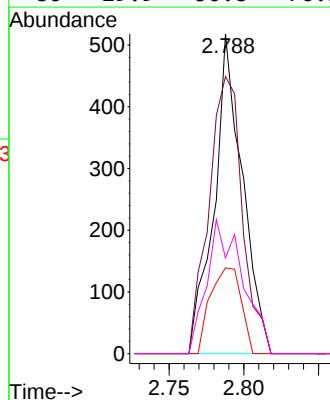
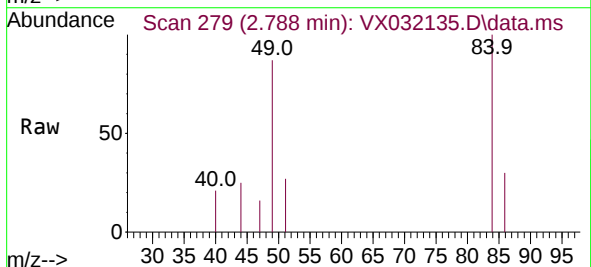
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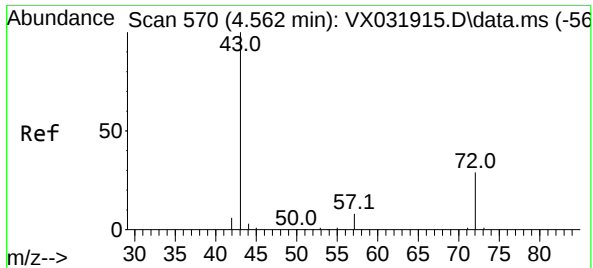
Tgt Ion: 73 Resp: 928
Ion Ratio Lower Upper
73 100
57 25.5 17.2 25.8



#20
Methylene Chloride
Concen: 0.419 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX032135.D
Acq: 14 Oct 2022 15:30

Tgt Ion: 84 Resp: 684
Ion Ratio Lower Upper
84 100
49 86.7 105.9 158.9#
51 26.8 32.2 48.2#
86 29.9 50.8 76.2#

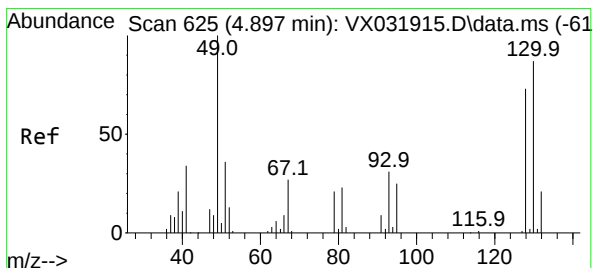
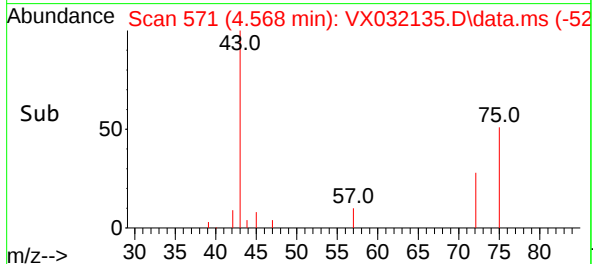
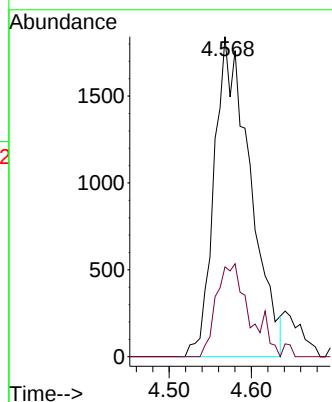
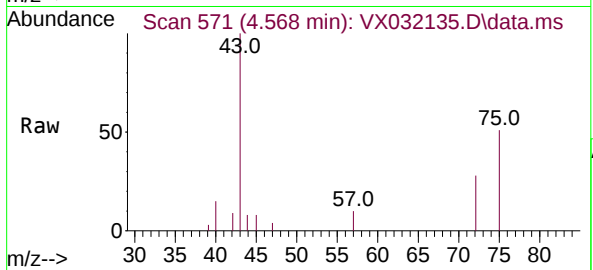




#25
2-Butanone
Concen: 5.781 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX032135.D
Acq: 14 Oct 2022 15:30

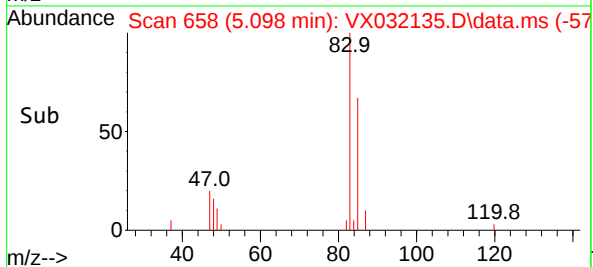
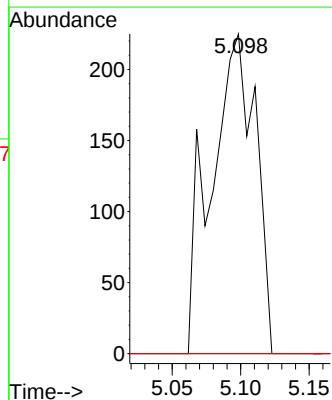
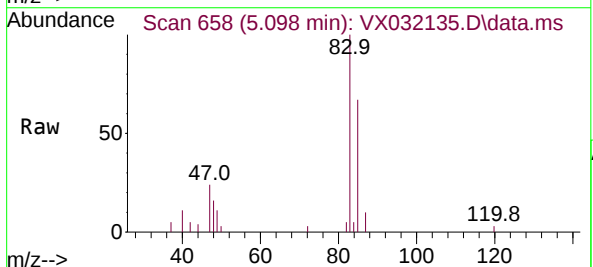
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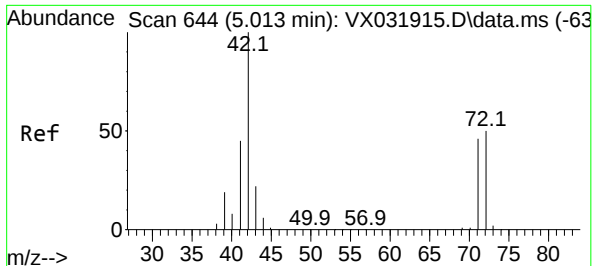
Tgt Ion: 43 Resp: 5620
Ion Ratio Lower Upper
43 100
72 28.1 21.1 31.7



#28
Bromochloromethane
Concen: 0.460 ug/l
RT: 5.098 min Scan# 658
Delta R.T. 0.201 min
Lab File: VX032135.D
Acq: 14 Oct 2022 15:30

Tgt Ion: 49 Resp: 509
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.0 88.4#





#29

Tetrahydrofuran

Concen: 7.179 ug/l

RT: 5.019 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX032135.D

Acq: 14 Oct 2022 15:30

Instrument :

MSVOA_X

ClientSampleId :

MW-7-101322

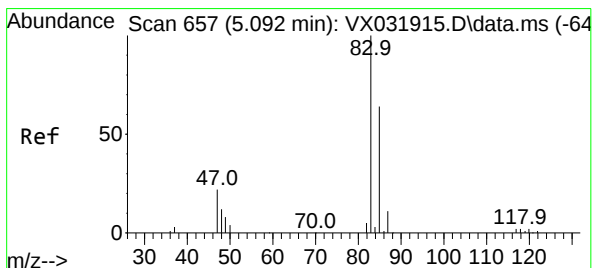
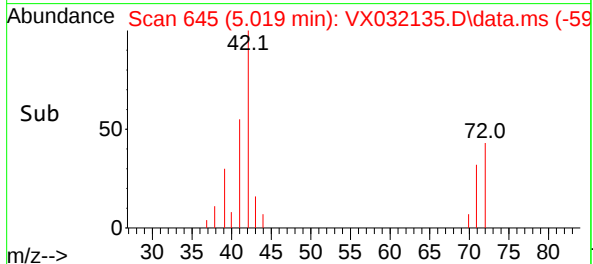
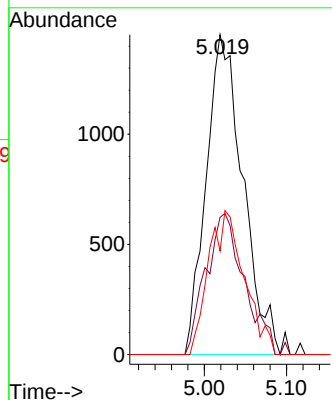
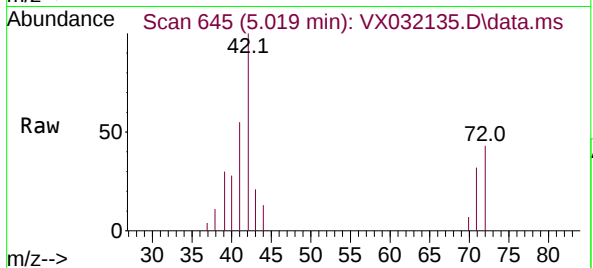
Tgt Ion: 42 Resp: 4503

Ion Ratio Lower Upper

42 100

72 46.0 36.4 54.6

71 44.1 33.5 50.3



#30

Chloroform

Concen: 2.165 ug/l

RT: 5.098 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX032135.D

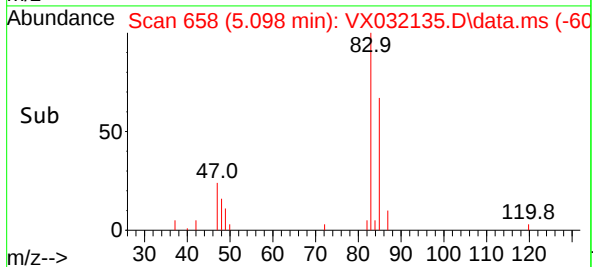
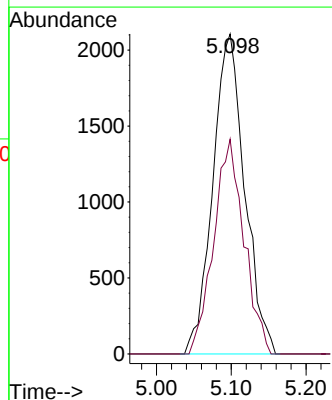
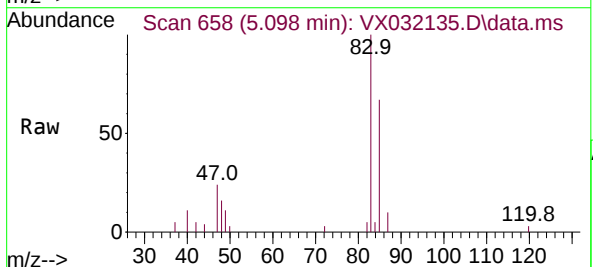
Acq: 14 Oct 2022 15:30

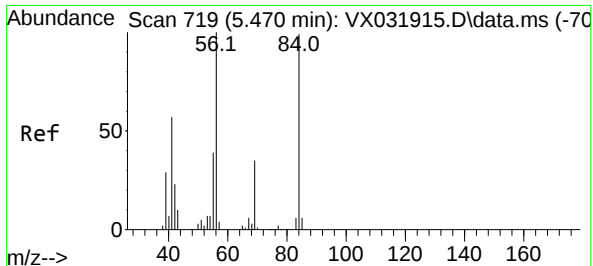
Tgt Ion: 83 Resp: 6239

Ion Ratio Lower Upper

83 100

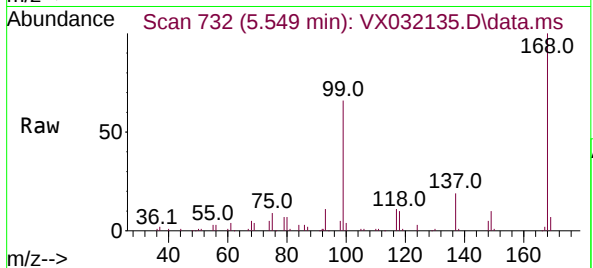
85 67.1 52.8 79.2



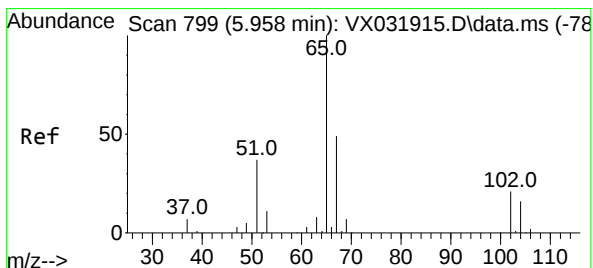
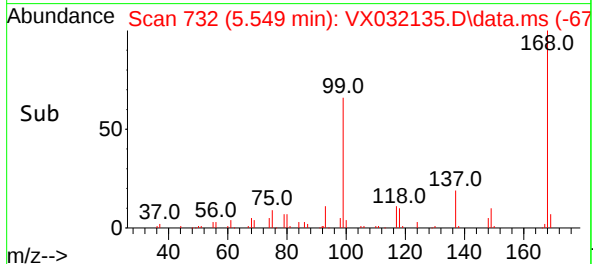
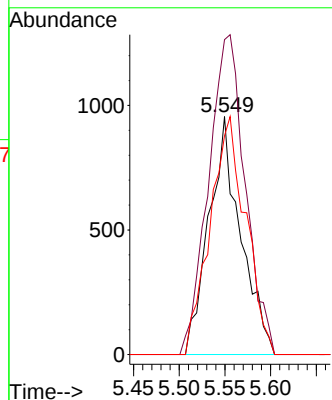


#31
Cyclohexane
Concen: 1.053 ug/l
RT: 5.549 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX032135.D
Acq: 14 Oct 2022 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW-7-101322

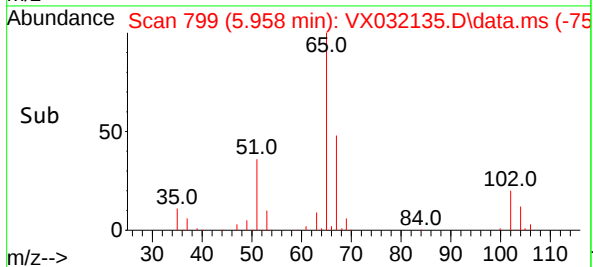
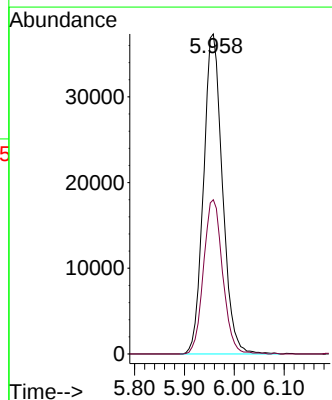
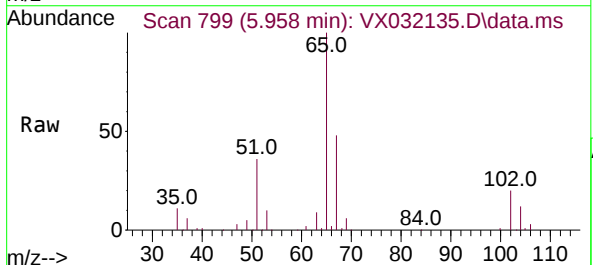


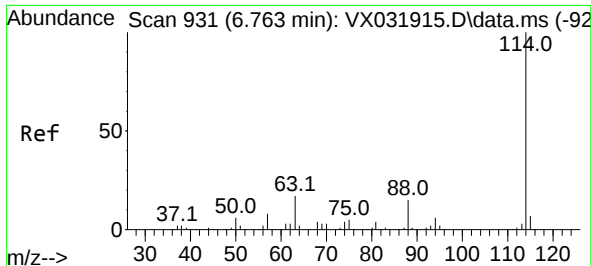
Tgt Ion: 56 Resp: 2301
Ion Ratio Lower Upper
56 100
69 132.4 25.1 37.7#
84 91.9 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 53.757 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX032135.D
Acq: 14 Oct 2022 15:30

Tgt Ion: 65 Resp: 98364
Ion Ratio Lower Upper
65 100
67 48.8 0.0 102.4

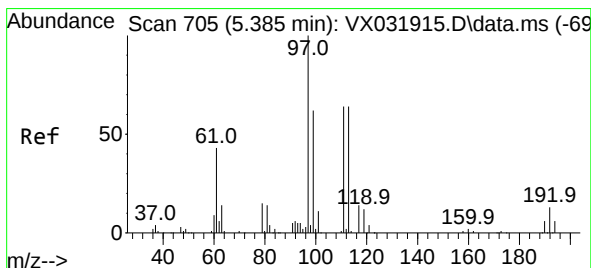
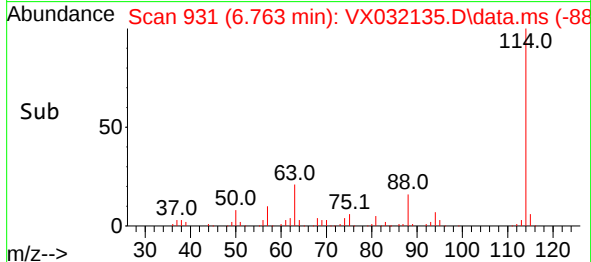
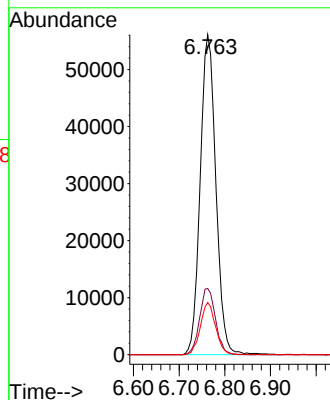
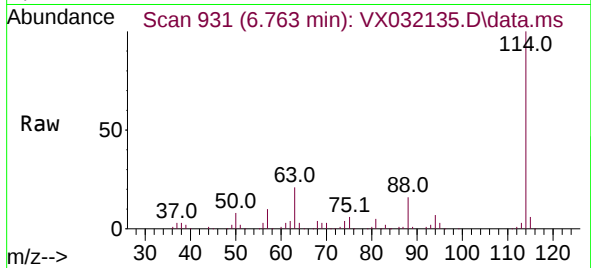




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX032135.D
Acq: 14 Oct 2022 15:30

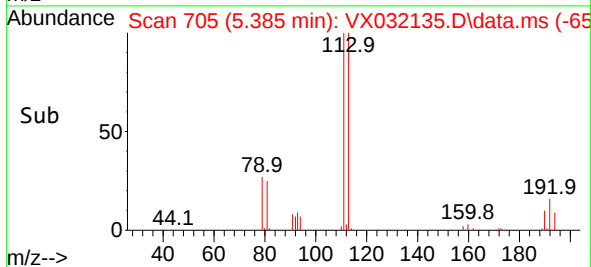
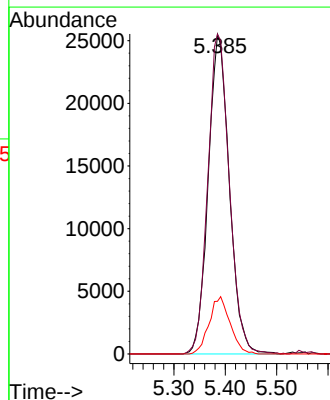
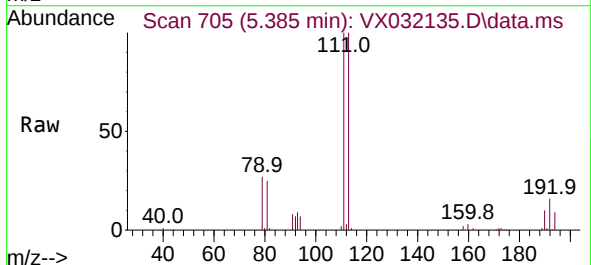
Instrument :
MSVOA_X
ClientSampleId :
MW-7-101322

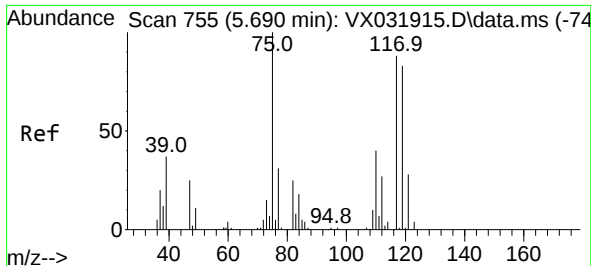
Tgt Ion:114 Resp: 133452
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 16.3 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.121 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX032135.D
Acq: 14 Oct 2022 15:30

Tgt Ion:113 Resp: 72692
Ion Ratio Lower Upper
113 100
111 102.3 82.4 123.6
192 17.8 14.1 21.1





#36

1,1-Dichloropropene

Concen: 3.806 ug/l

RT: 5.549 min Scan# 71

Delta R.T. -0.141 min

Lab File: VX032135.D

Acq: 14 Oct 2022 15:30

Instrument :

MSVOA_X

ClientSampleId :

MW-7-101322

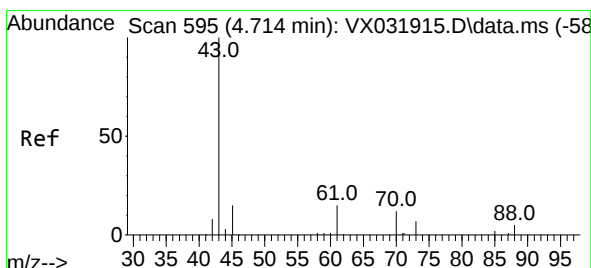
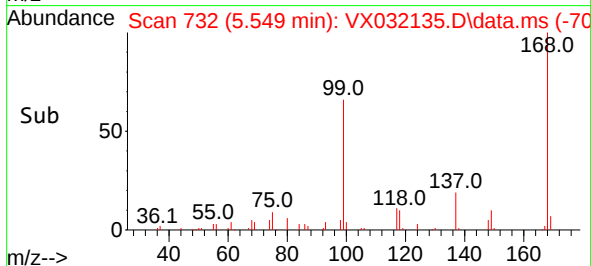
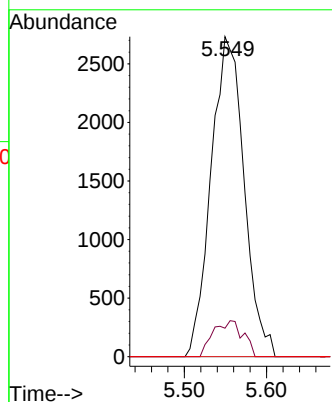
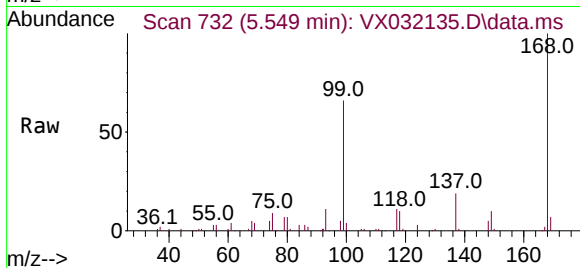
Tgt Ion: 75 Resp: 7624

Ion Ratio Lower Upper

75 100

110 10.2 17.5 52.5#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 2.980 ug/l

RT: 4.568 min Scan# 571

Delta R.T. -0.146 min

Lab File: VX032135.D

Acq: 14 Oct 2022 15:30

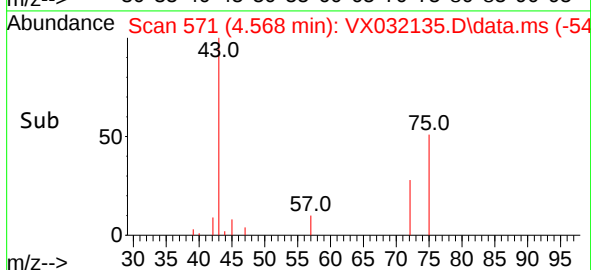
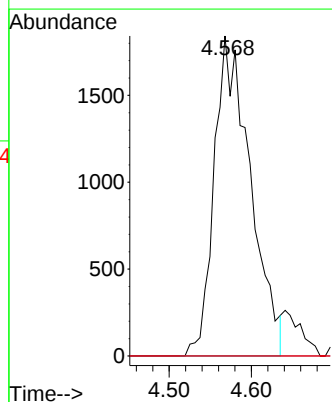
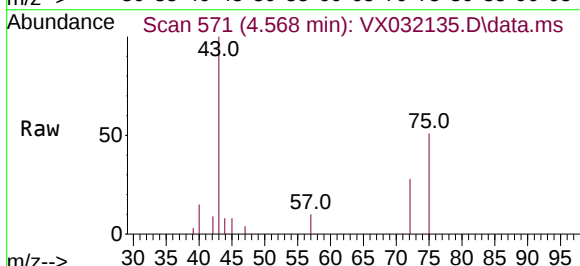
Tgt Ion: 43 Resp: 5620

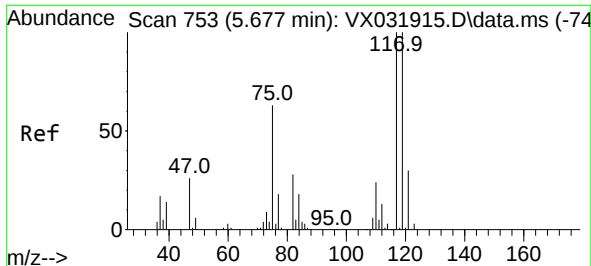
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

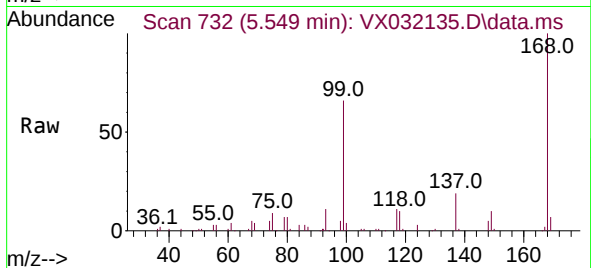
70 0.0 8.6 13.0#



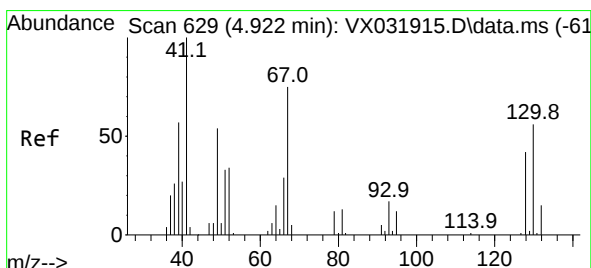
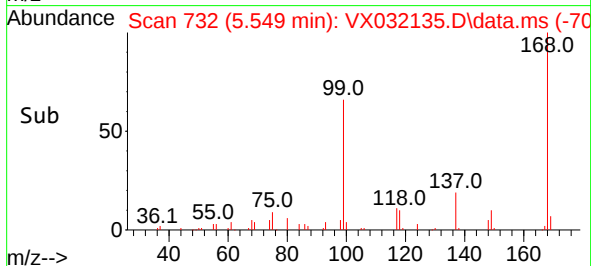
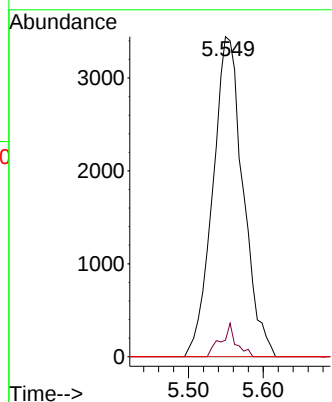


#38
Carbon Tetrachloride
Concen: 4.749 ug/l
RT: 5.549 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX032135.D
Acq: 14 Oct 2022 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW-7-101322

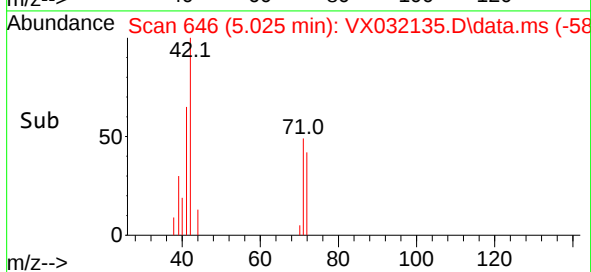
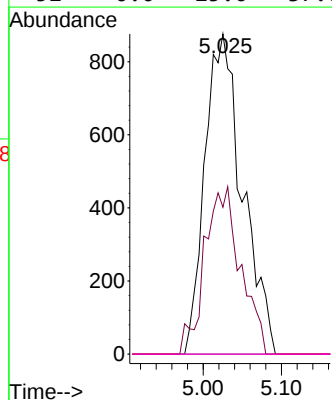
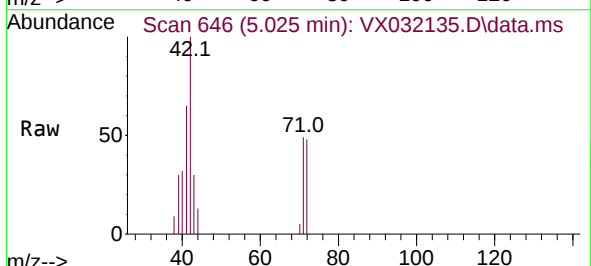


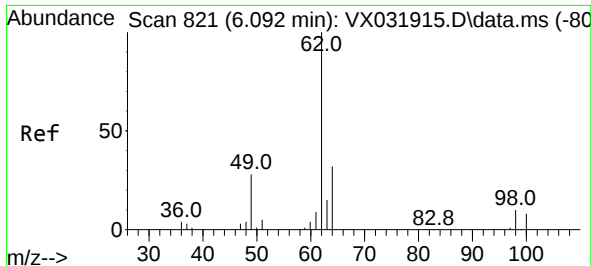
Tgt Ion:117 Resp: 9727
Ion Ratio Lower Upper
117 100
119 5.2 74.6 112.0#
121 0.0 25.3 37.9#



#41
Methacrylonitrile
Concen: 2.974 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.103 min
Lab File: VX032135.D
Acq: 14 Oct 2022 15:30

Tgt Ion: 41 Resp: 2916
Ion Ratio Lower Upper
41 100
39 49.9 45.0 67.6
67 0.0 58.2 87.4#
52 0.0 25.0 37.6#





#42

1,2-Dichloroethane

Concen: 0.252 ug/l

RT: 6.092 min Scan# 81

Delta R.T. 0.000 min

Lab File: VX032135.D

Acq: 14 Oct 2022 15:30

Instrument :

MSVOA_X

ClientSampleId :

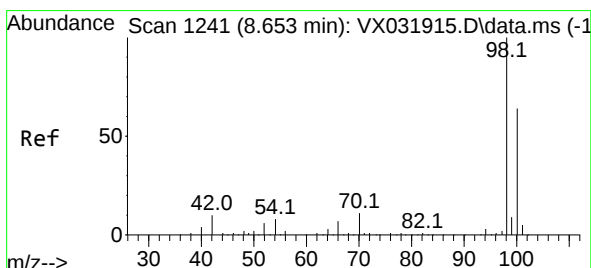
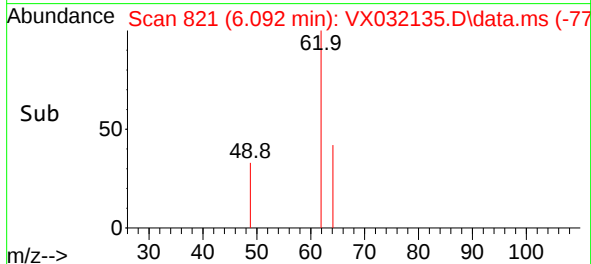
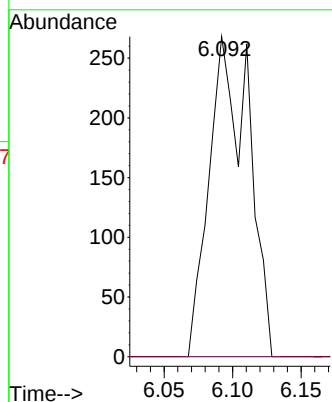
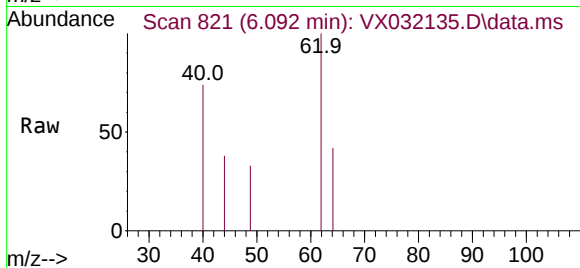
MW-7-101322

Tgt Ion: 62 Resp: 538

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.8



#50

Toluene-d8

Concen: 42.823 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.007 min

Lab File: VX032135.D

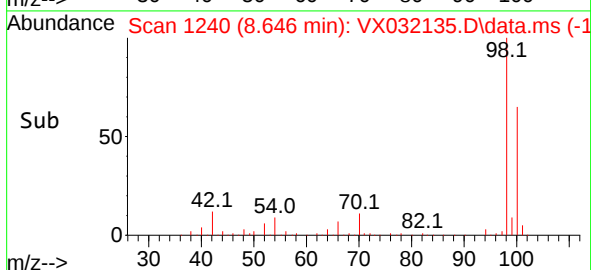
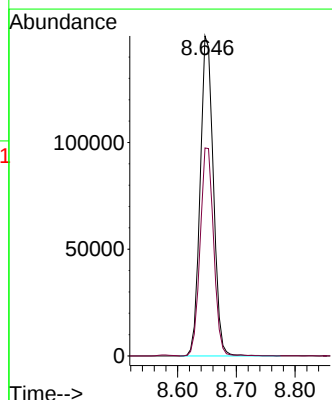
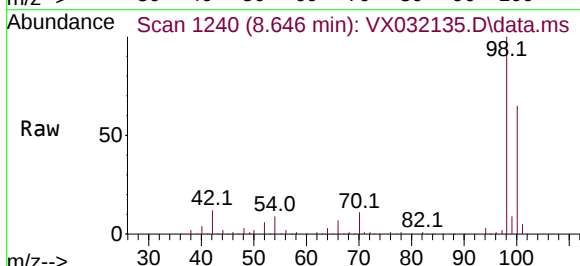
Acq: 14 Oct 2022 15:30

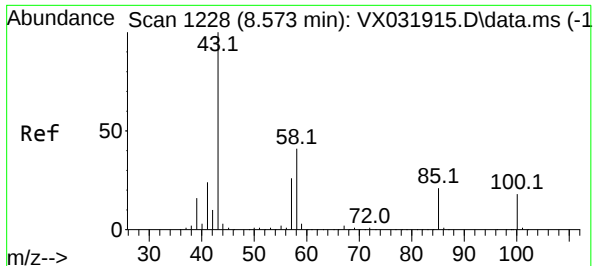
Tgt Ion: 98 Resp: 232774

Ion Ratio Lower Upper

98 100

100 66.5 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 2.076 ug/l

RT: 8.579 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX032135.D

Acq: 14 Oct 2022 15:30

Instrument :

MSVOA_X

ClientSampleId :

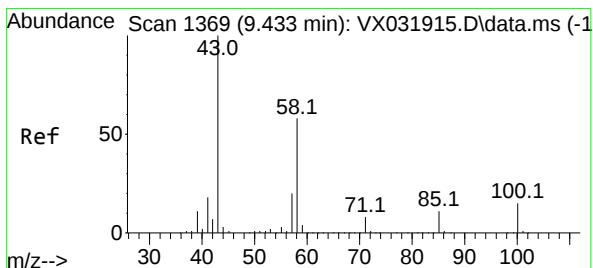
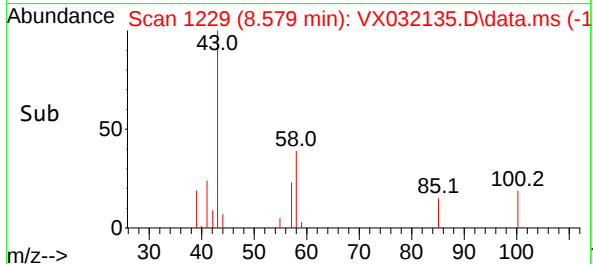
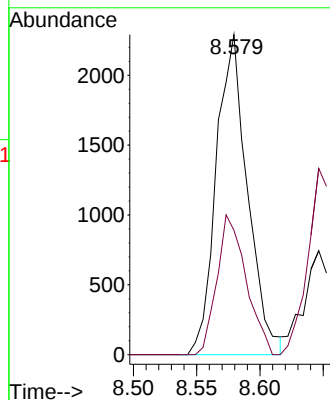
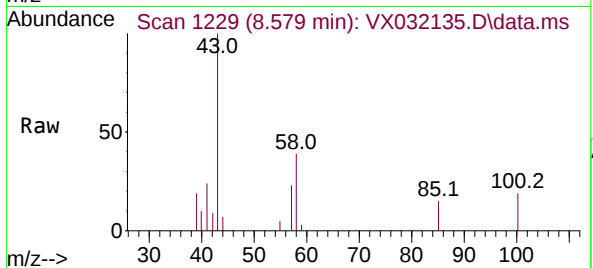
MW-7-101322

Tgt Ion: 43 Resp: 3937

Ion Ratio Lower Upper

43 100

58 40.7 30.6 46.0



#59

2-Hexanone

Concen: 0.250 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.006 min

Lab File: VX032135.D

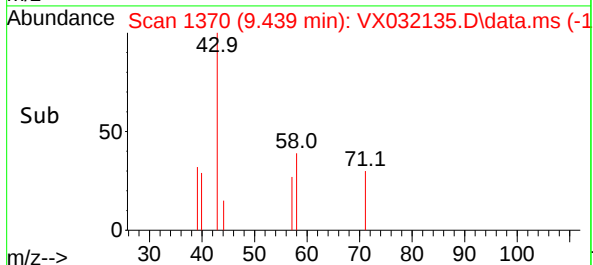
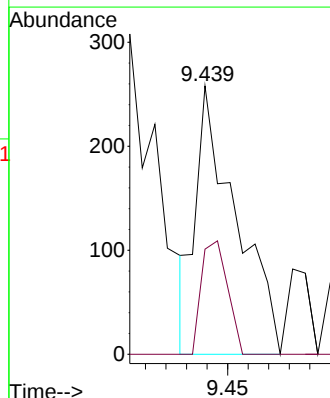
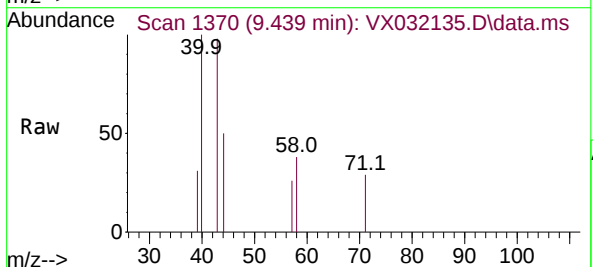
Acq: 14 Oct 2022 15:30

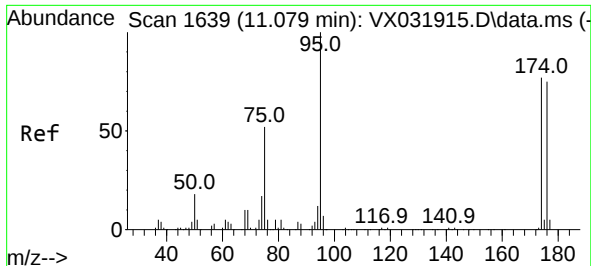
Tgt Ion: 43 Resp: 349

Ion Ratio Lower Upper

43 100

58 27.8 26.7 80.0





#62

4-Bromofluorobenzene

Concen: 48.727 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX032135.D

Acq: 14 Oct 2022 15:30

Instrument :

MSVOA_X

ClientSampleId :

MW-7-101322

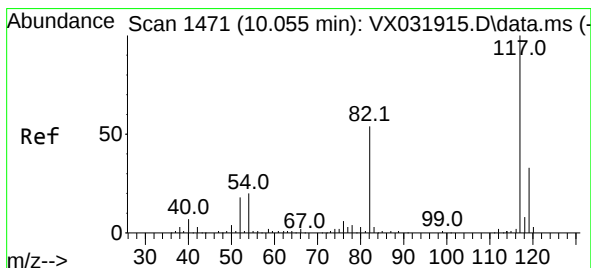
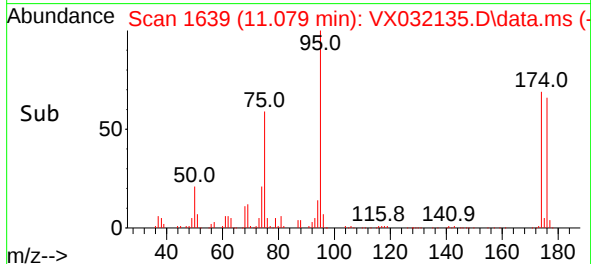
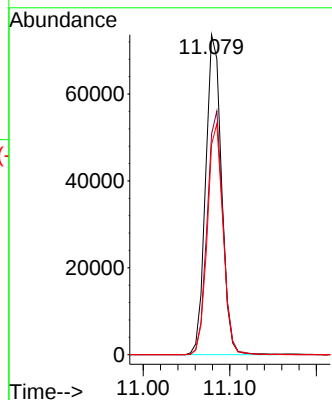
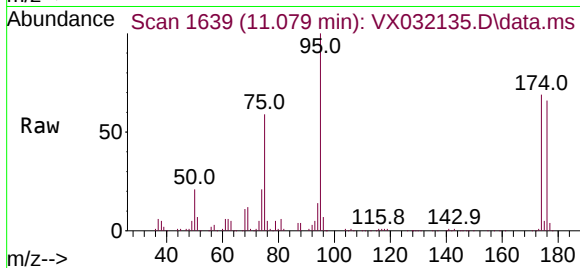
Tgt Ion: 95 Resp: 93636

Ion Ratio Lower Upper

95 100

174 76.1 0.0 153.2

176 71.7 0.0 144.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX032135.D

Acq: 14 Oct 2022 15:30

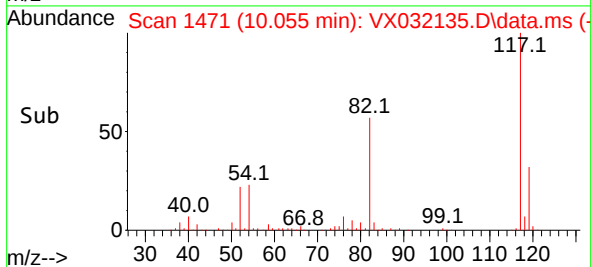
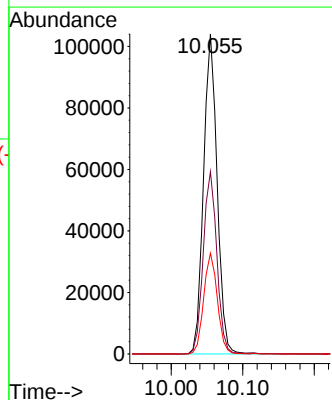
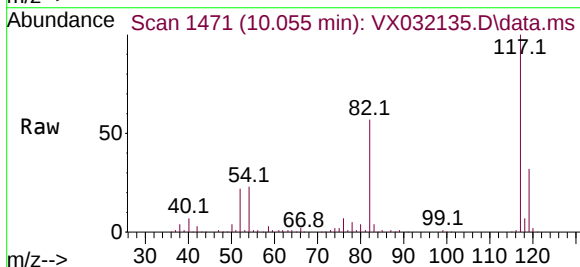
Tgt Ion: 117 Resp: 137272

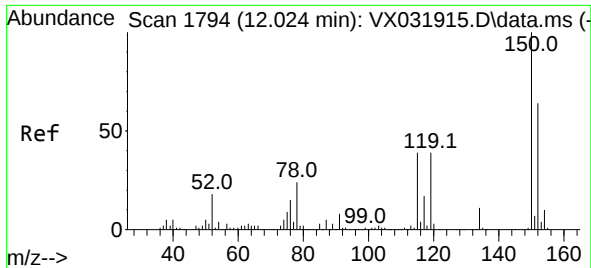
Ion Ratio Lower Upper

117 100

82 57.0 46.8 70.2

119 31.5 26.4 39.6

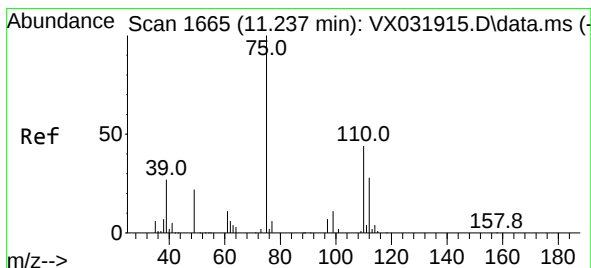
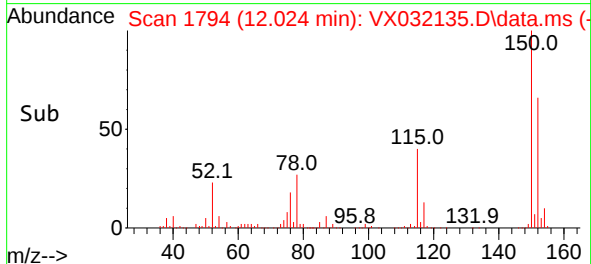
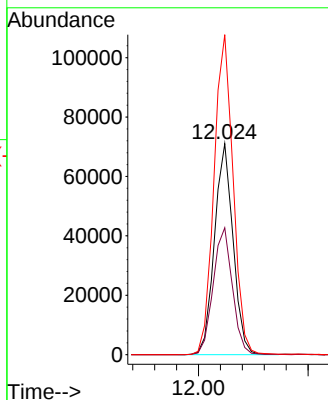
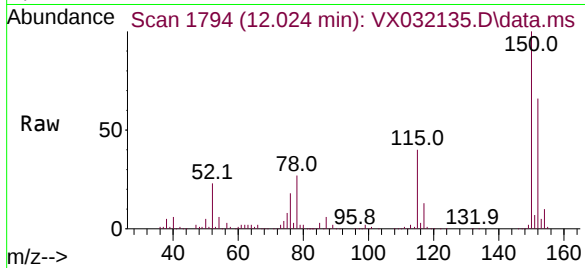




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX032135.D
 Acq: 14 Oct 2022 15:30

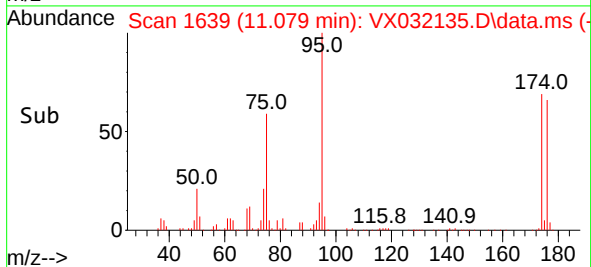
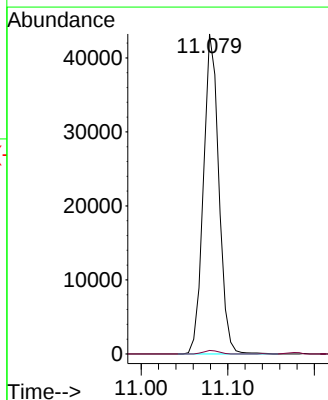
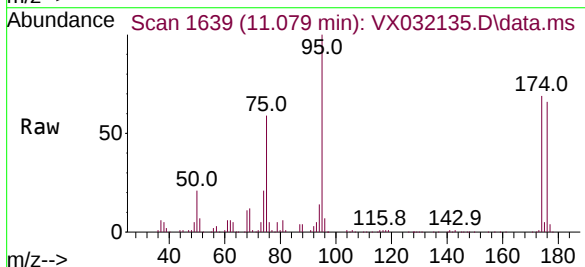
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7-101322

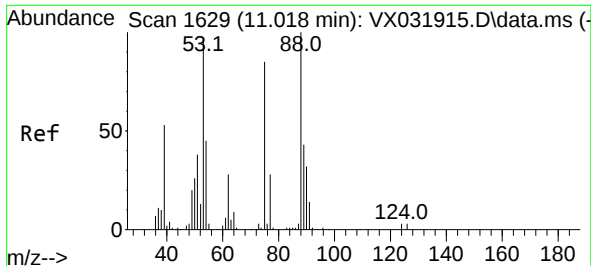
Tgt Ion:152 Resp: 83832
 Ion Ratio Lower Upper
 152 100
 115 62.1 43.4 130.1
 150 155.9 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 31.113 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX032135.D
 Acq: 14 Oct 2022 15:30

Tgt Ion: 75 Resp: 53457
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.3 60.9#

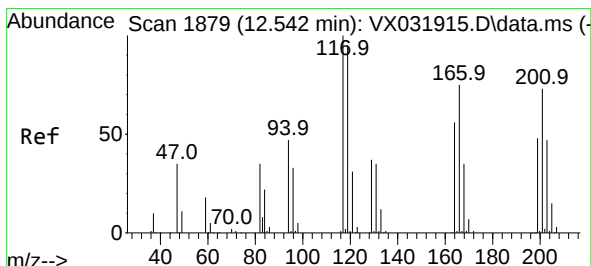
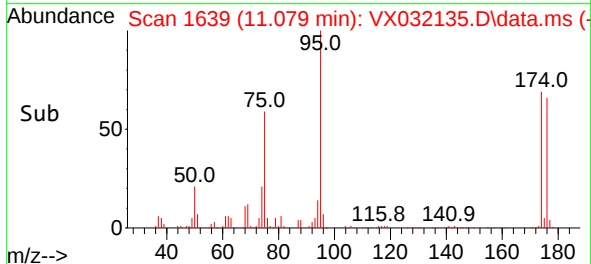
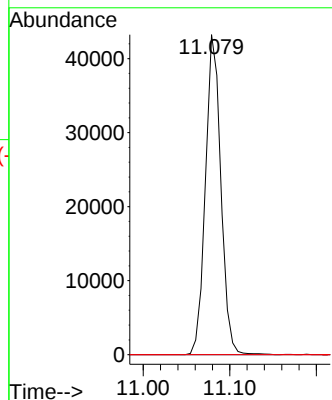
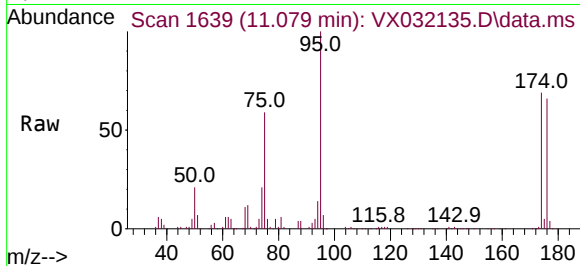




#81
trans-1,4-Dichloro-2-butene
Concen: 106.064 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX032135.D
Acq: 14 Oct 2022 15:30

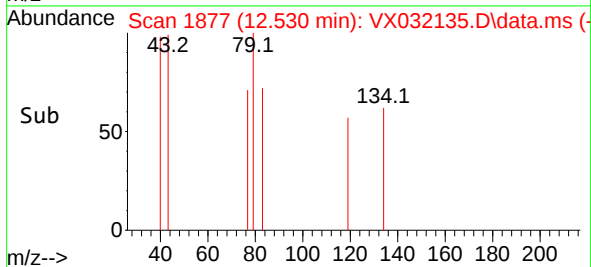
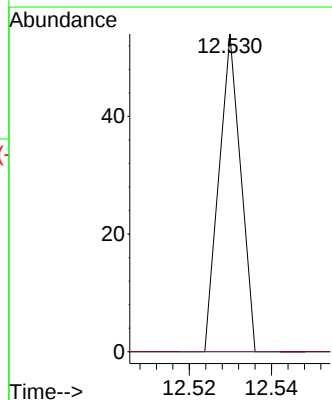
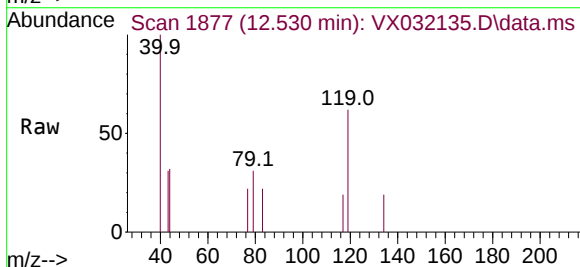
Instrument :
MSVOA_X
ClientSampleId :
MW-7-101322

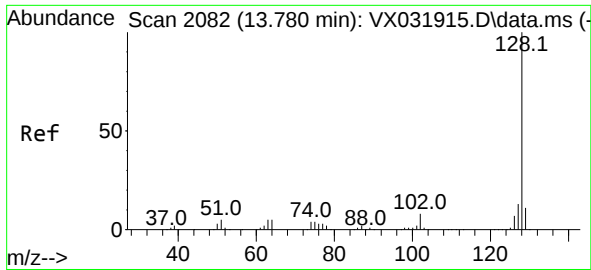
Tgt Ion: 75 Resp: 53457
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#90
Hexachloroethane
Concen: 1.331 ug/l
RT: 12.530 min Scan# 1877
Delta R.T. -0.012 min
Lab File: VX032135.D
Acq: 14 Oct 2022 15:30

Tgt Ion: 117 Resp: 20
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#





#95

Naphthalene

Concen: 0.602 ug/l

RT: 13.780 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX032135.D

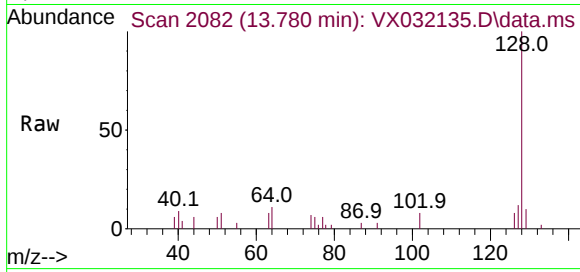
Acq: 14 Oct 2022 15:30

Instrument :

MSVOA_X

ClientSampleId :

MW-7-101322



Tgt Ion:128 Resp: 3690

Ion Ratio Lower Upper

128 100

127 12.0 10.4 15.6

129 10.4 8.8 13.2

