

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120622\
 Data File : VX033265.D
 Acq On : 06 Dec 2022 17:45
 Operator : JC/MD
 Sample : N5875-05DL 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-39DL

Quant Time: Dec 07 01:34:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

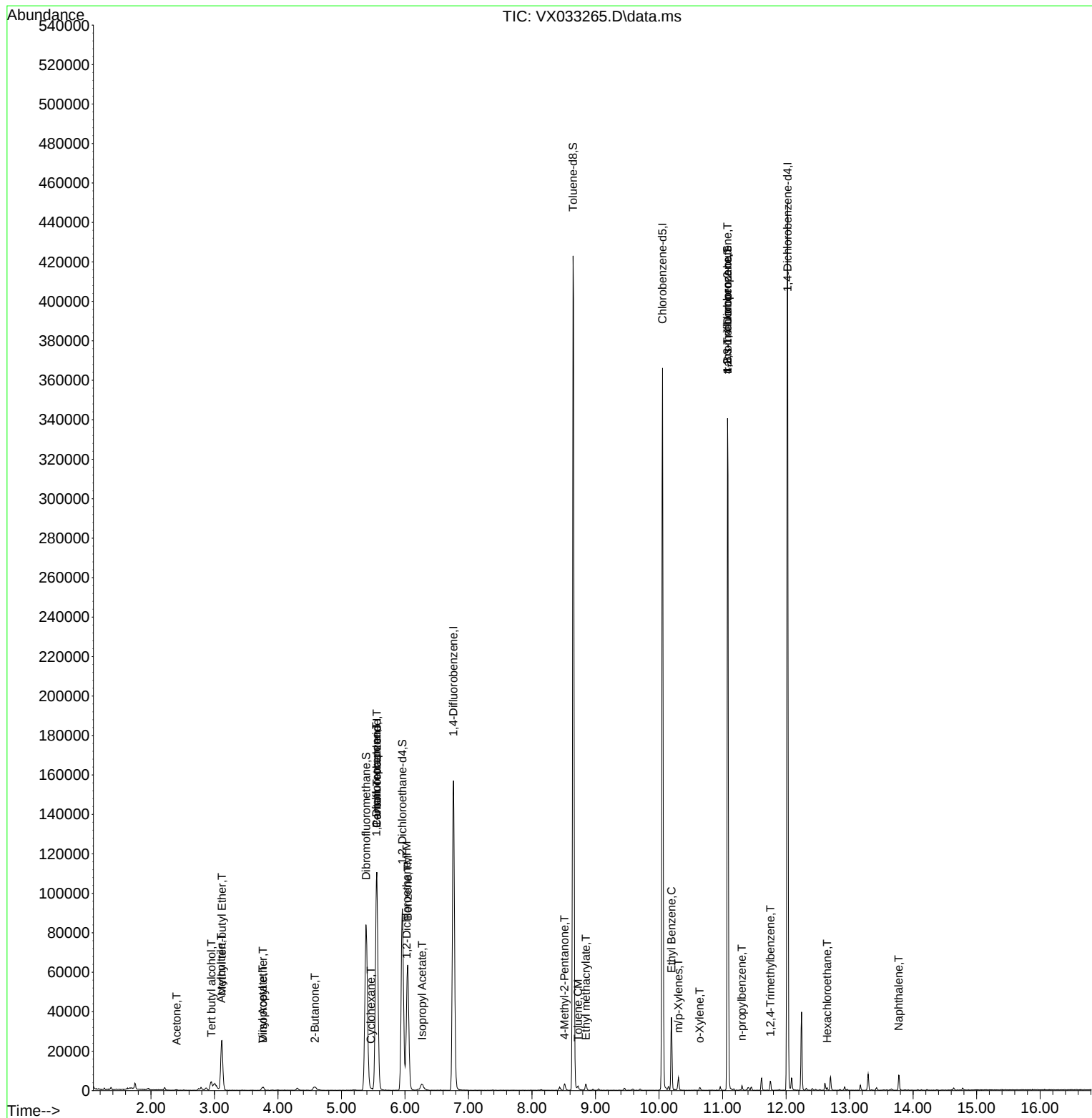
Internal Standards						
1) Pentafluorobenzene	5.556	168	104589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	161637	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	160999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	93057	93.799	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 187.600%#			
35) Dibromofluoromethane	5.385	113	72875	79.973	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 159.940%#			
50) Toluene-d8	8.647	98	251412	93.577	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 187.160%#			
62) 4-Bromofluorobenzene	11.079	95	86865	72.568	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 145.140%#			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.953	59	3081	19.082	ug/l #	72
15) Acrylonitrile	3.105	53	301	0.659	ug/l #	5
16) Acetone	2.404	43	423	0.889	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	27508	8.690	ug/l	97
20) Methylene Chloride	2.794	84	551	Below Cal	#	84
22) Diisopropyl ether	3.763	45	1713	0.534	ug/l #	78
23) Vinyl Acetate	3.757	43	915	0.364	ug/l #	72
25) 2-Butanone	4.580	43	132	0.201	ug/l #	47
31) Cyclohexane	5.464	56	441	0.267	ug/l #	79
36) 1,1-Dichloropropene	5.550	75	8005	5.494	ug/l #	50
38) Carbon Tetrachloride	5.556	117	10682	6.609	ug/l #	15
40) Benzene	6.044	78	77359	18.936	ug/l	97
42) 1,2-Dichloroethane	6.025	62	708	0.430	ug/l #	77
43) Isopropyl Acetate	6.269	43	1069	0.508	ug/l #	61
51) 4-Methyl-2-Pentanone	8.513	43	370	0.285	ug/l #	36
52) Toluene	8.726	92	776	0.289	ug/l	91
56) Ethyl methacrylate	8.848	69	577	0.383	ug/l #	72
67) Ethyl Benzene	10.195	91	20883	3.668	ug/l	99
68) m/p-Xylenes	10.305	106	1620	0.727	ug/l	97
69) o-Xylene	10.640	106	446	0.207	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	46349	25.499	ug/l #	37
78) n-propylbenzene	11.305	91	1638	0.209	ug/l	90
81) trans-1,4-Dichloro-2-b...	11.079	75	46349	82.885	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	2350	0.409	ug/l	98
90) Hexachloroethane	12.646	117	682	0.714	ug/l #	12
95) Naphthalene	13.774	128	5544	0.903	ug/l	99

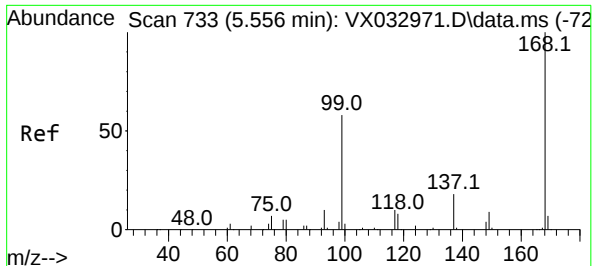
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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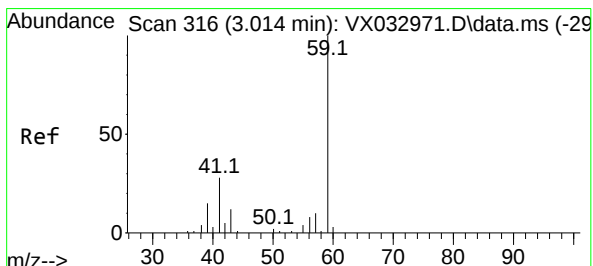
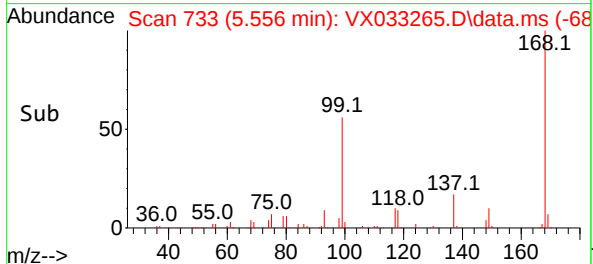
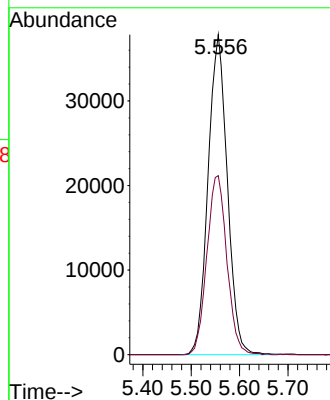
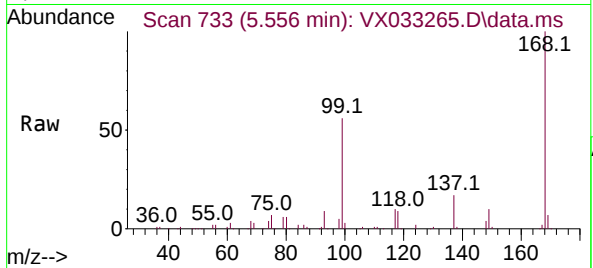




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033265.D
Acq: 06 Dec 2022 17:45

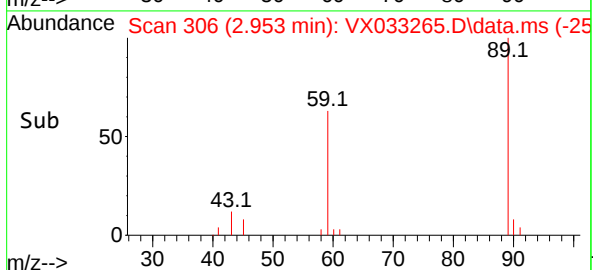
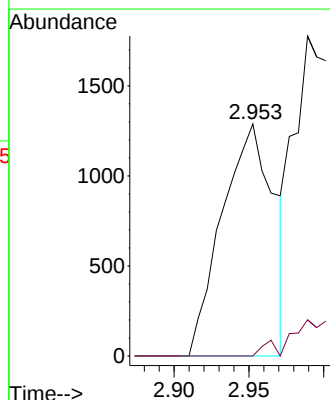
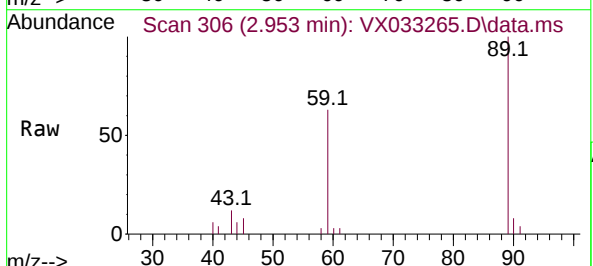
Instrument :
MSVOA_X
ClientSampleId :
MW-39DL

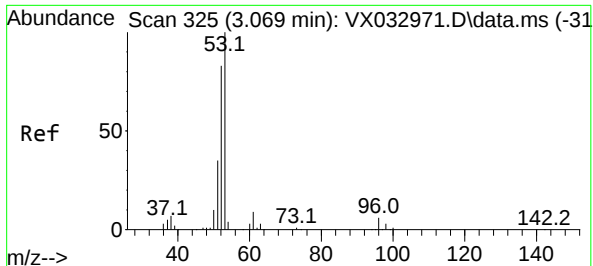
Tgt Ion:168 Resp: 104589
Ion Ratio Lower Upper
168 100
99 56.0 46.1 69.1



#11
Tert butyl alcohol
Concen: 19.082 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX033265.D
Acq: 06 Dec 2022 17:45

Tgt Ion: 59 Resp: 3081
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#15

Acrylonitrile

Concen: 0.659 ug/l

RT: 3.105 min Scan# 31

Delta R.T. 0.043 min

Lab File: VX033265.D

Acq: 06 Dec 2022 17:45

Instrument :

MSVOA_X

ClientSampleId :

MW-39DL

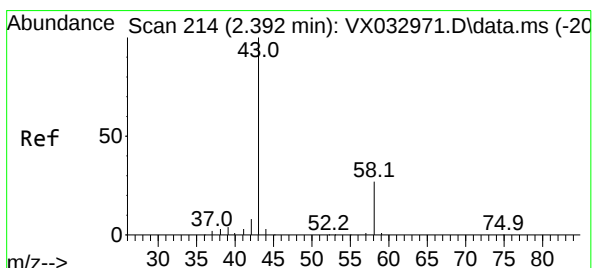
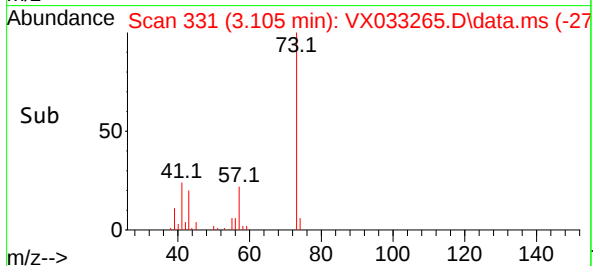
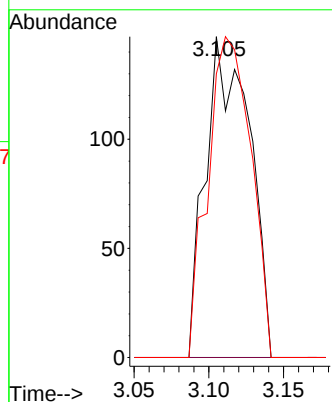
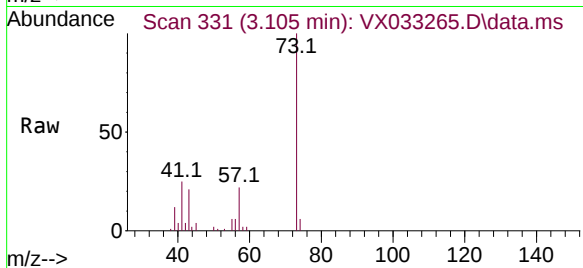
Tgt Ion: 53 Resp: 301

Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

51 98.0 30.3 45.5#



#16

Acetone

Concen: 0.889 ug/l

RT: 2.404 min Scan# 216

Delta R.T. 0.024 min

Lab File: VX033265.D

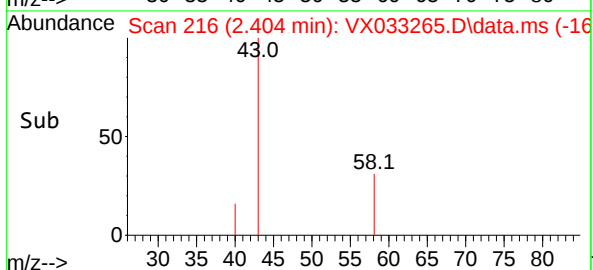
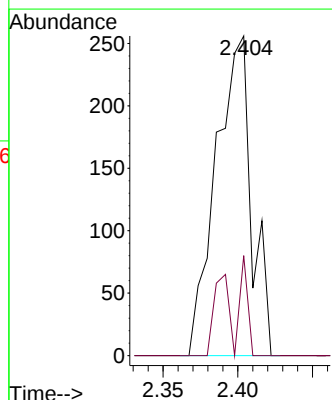
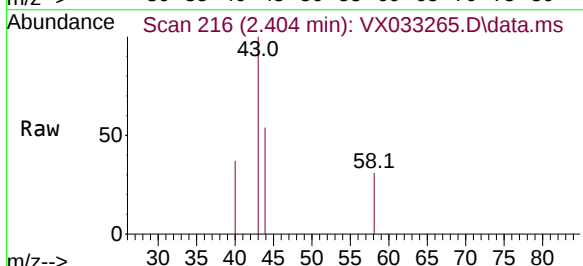
Acq: 06 Dec 2022 17:45

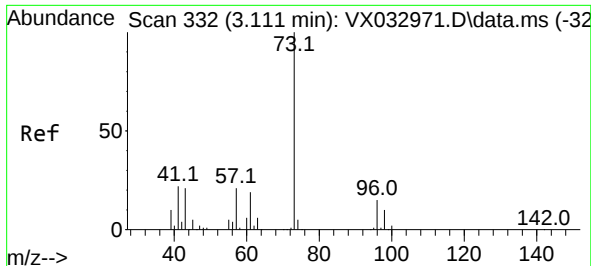
Tgt Ion: 43 Resp: 423

Ion Ratio Lower Upper

43 100

58 31.3 23.8 35.8





#19

Methyl tert-butyl Ether

Concen: 8.690 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX033265.D

Acq: 06 Dec 2022 17:45

Instrument :

MSVOA_X

ClientSampleId :

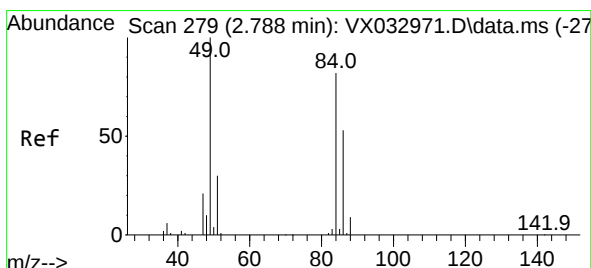
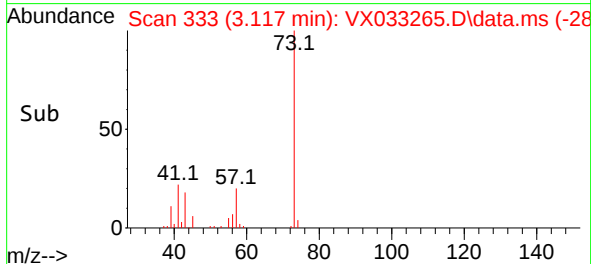
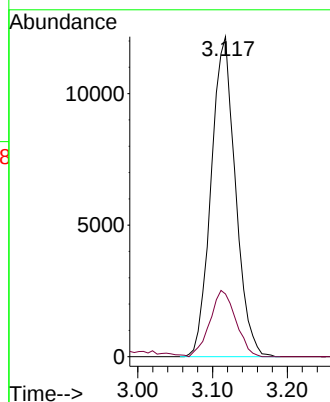
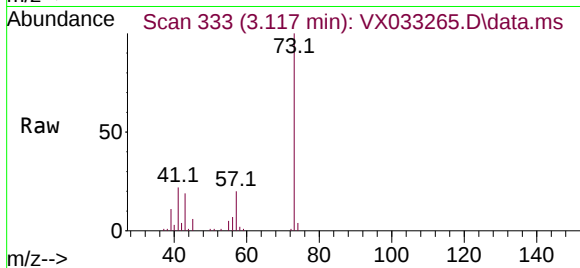
MW-39DL

Tgt Ion: 73 Resp: 27508

Ion Ratio Lower Upper

73 100

57 19.6 16.6 25.0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX033265.D

Acq: 06 Dec 2022 17:45

Tgt Ion: 84 Resp: 551

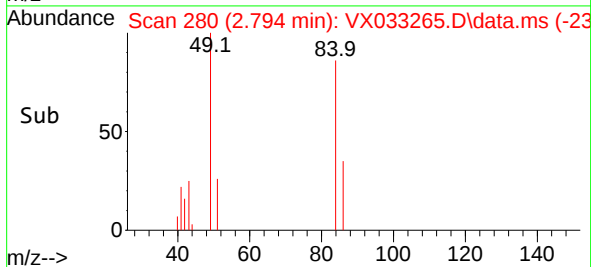
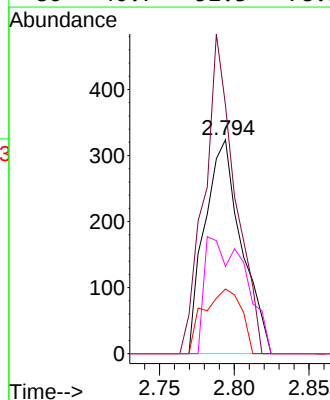
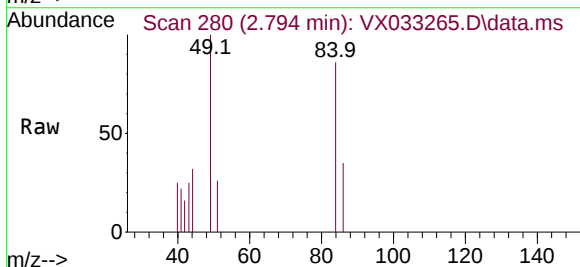
Ion Ratio Lower Upper

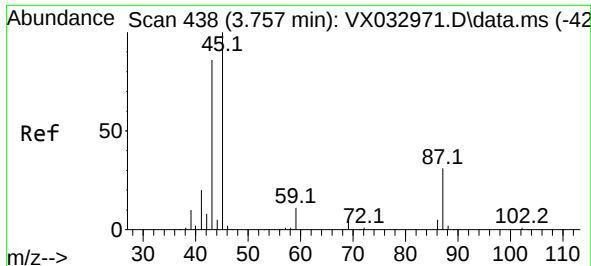
84 100

49 116.0 101.0 151.6

51 30.2 31.1 46.7#

86 40.7 52.3 78.5#

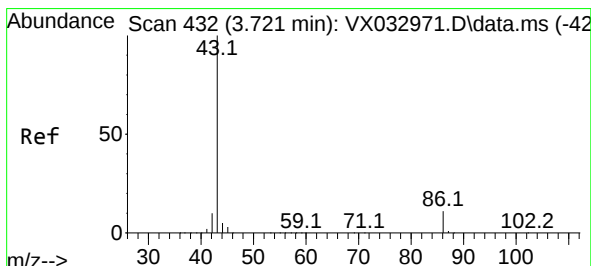
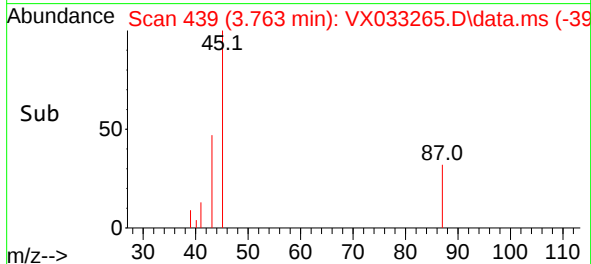
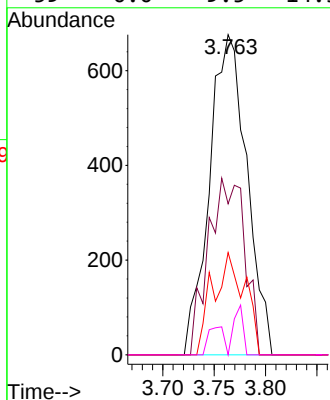
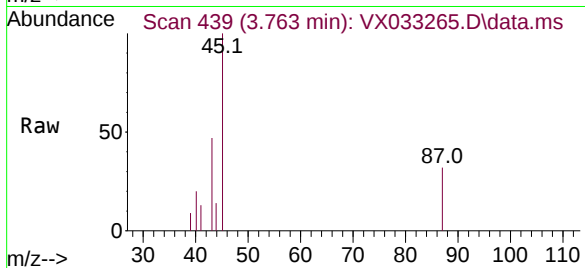




#22
Diisopropyl ether
Concen: 0.534 ug/l
RT: 3.763 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX033265.D
Acq: 06 Dec 2022 17:45

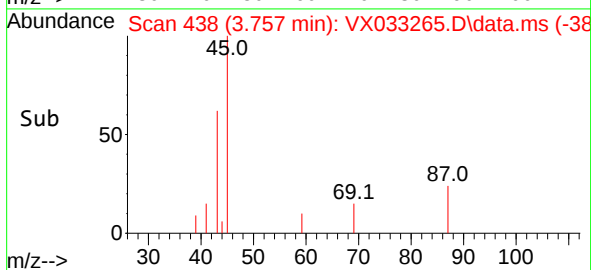
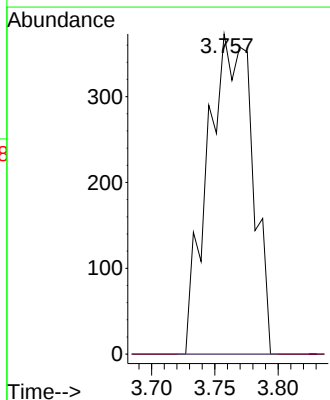
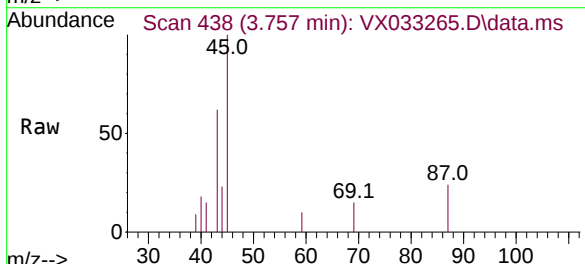
Instrument :
MSVOA_X
ClientSampleId :
MW-39DL

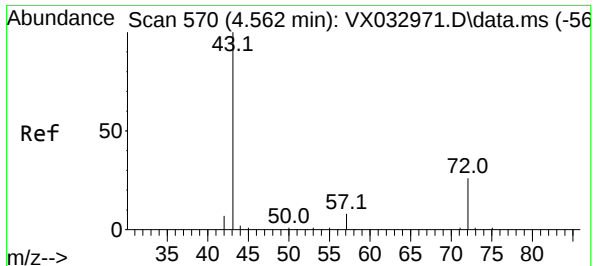
Tgt Ion: 45	Resp: 1713
Ion Ratio	Lower Upper
45 100	
43 47.2	56.4 84.6#
87 32.0	24.4 36.6
59 0.0	9.5 14.3#



#23
Vinyl Acetate
Concen: 0.364 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.036 min
Lab File: VX033265.D
Acq: 06 Dec 2022 17:45

Tgt Ion: 43	Resp: 915
Ion Ratio	Lower Upper
43 100	
86 0.0	8.6 12.8#





#25

2-Butanone

Concen: 0.201 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX033265.D

Acq: 06 Dec 2022 17:45

Instrument :

MSVOA_X

ClientSampleId :

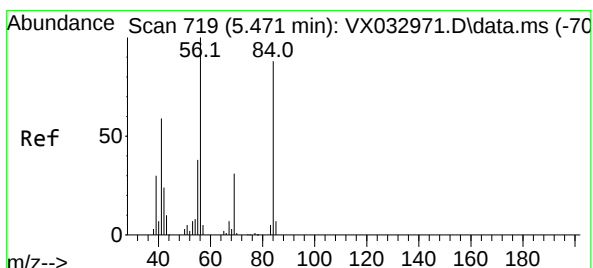
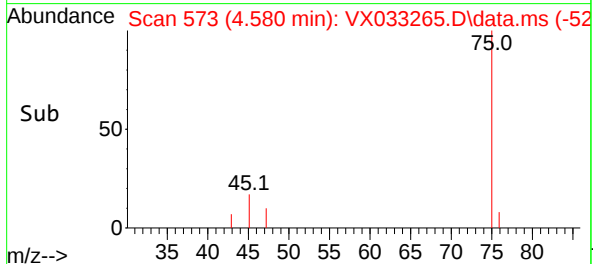
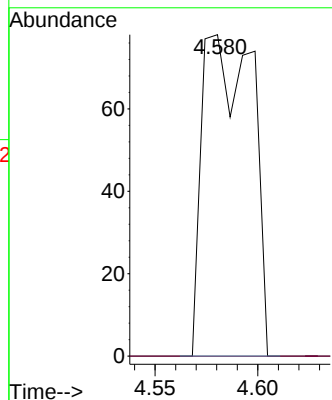
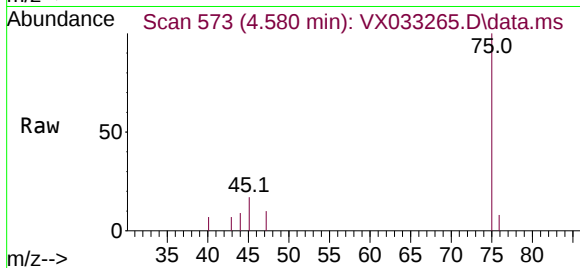
MW-39DL

Tgt Ion: 43 Resp: 132

Ion Ratio Lower Upper

43 100

72 0.0 22.2 33.2#



#31

Cyclohexane

Concen: 0.267 ug/l

RT: 5.464 min Scan# 718

Delta R.T. -0.006 min

Lab File: VX033265.D

Acq: 06 Dec 2022 17:45

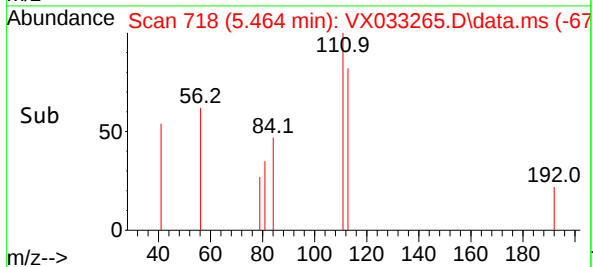
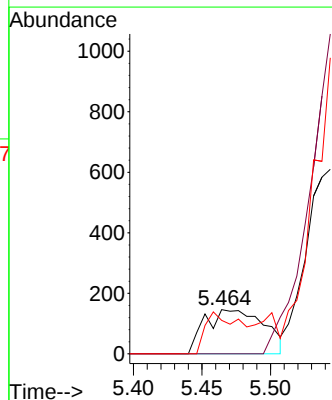
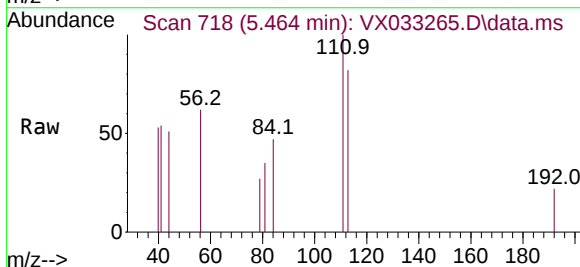
Tgt Ion: 56 Resp: 441

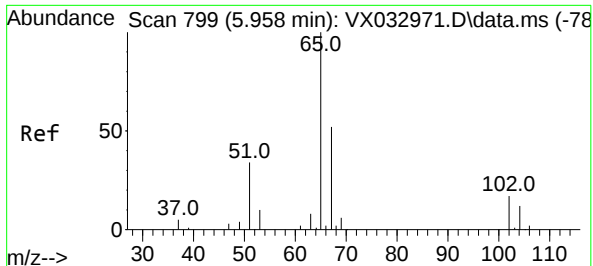
Ion Ratio Lower Upper

56 100

69 0.0 24.1 36.1#

84 76.0 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 93.799 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033265.D

Acq: 06 Dec 2022 17:45

Instrument :

MSVOA_X

ClientSampleId :

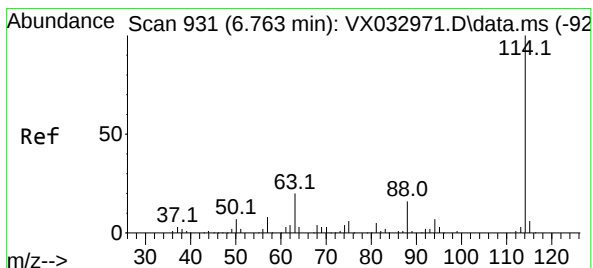
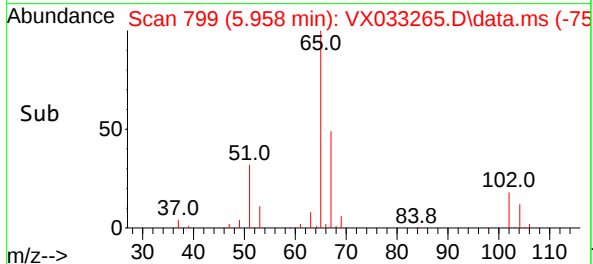
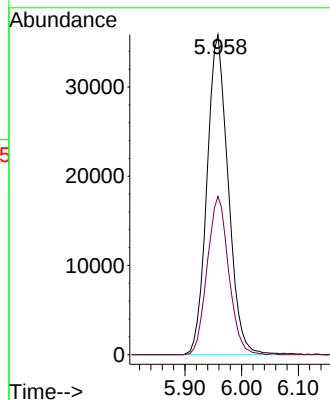
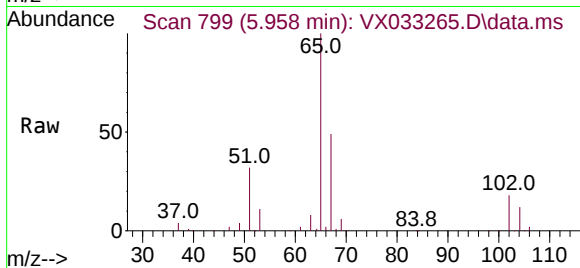
MW-39DL

Tgt Ion: 65 Resp: 93057

Ion Ratio Lower Upper

65 100

67 50.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033265.D

Acq: 06 Dec 2022 17:45

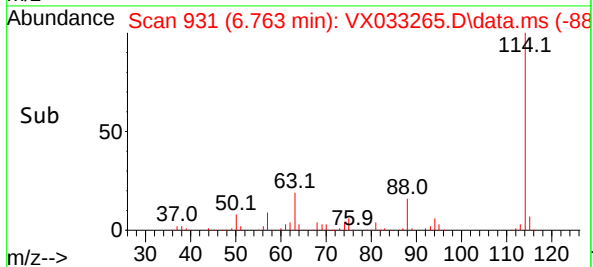
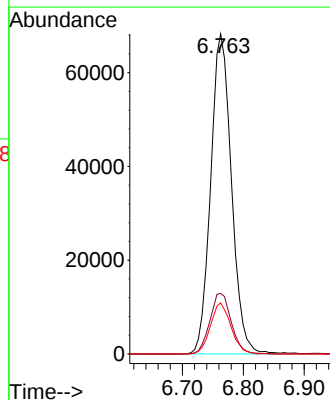
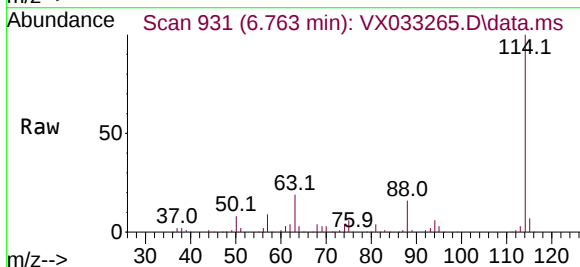
Tgt Ion: 114 Resp: 161637

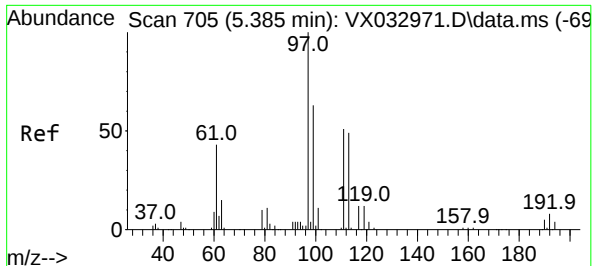
Ion Ratio Lower Upper

114 100

63 18.9 0.0 41.6

88 16.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 79.973 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX033265.D

Acq: 06 Dec 2022 17:45

Instrument :

MSVOA_X

ClientSampleId :

MW-39DL

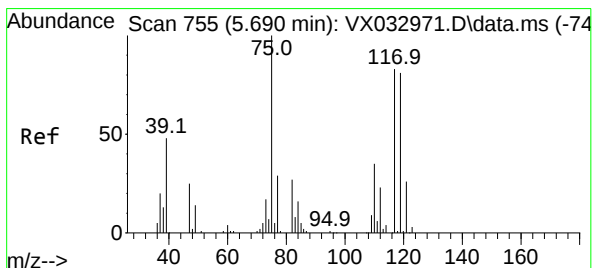
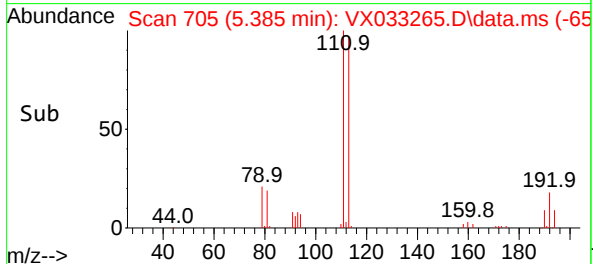
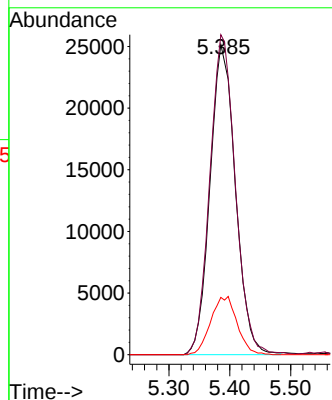
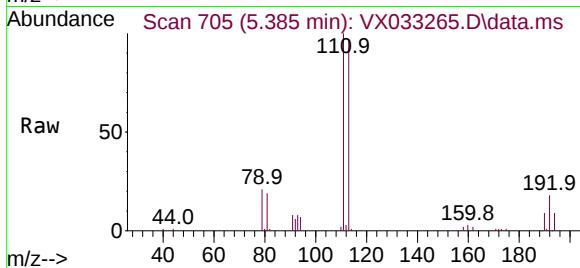
Tgt Ion:113 Resp: 72875

Ion Ratio Lower Upper

113 100

111 103.6 82.4 123.6

192 19.5 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.494 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX033265.D

Acq: 06 Dec 2022 17:45

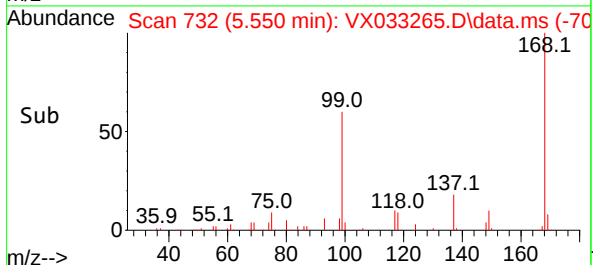
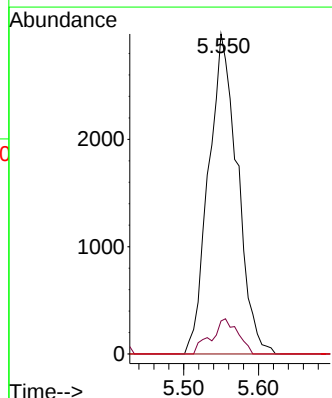
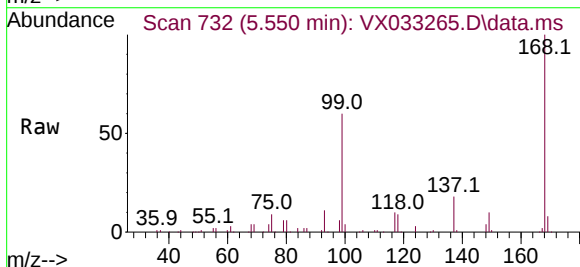
Tgt Ion: 75 Resp: 8005

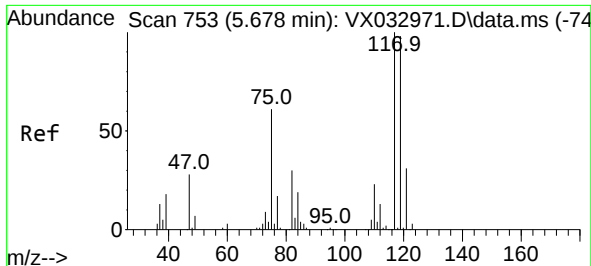
Ion Ratio Lower Upper

75 100

110 10.1 18.4 55.2#

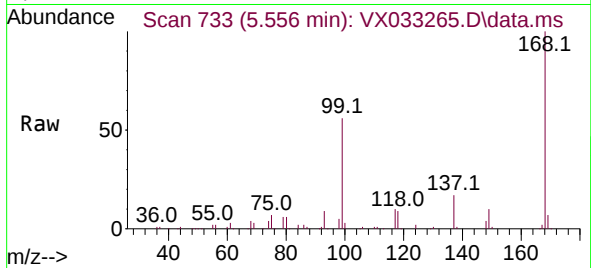
77 0.0 24.5 36.7#



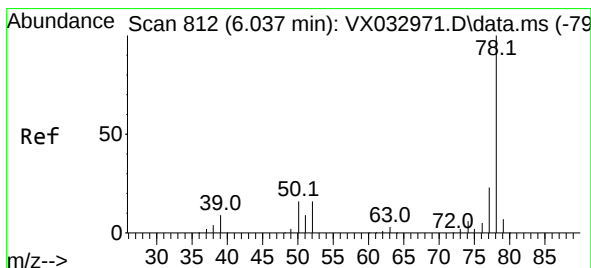
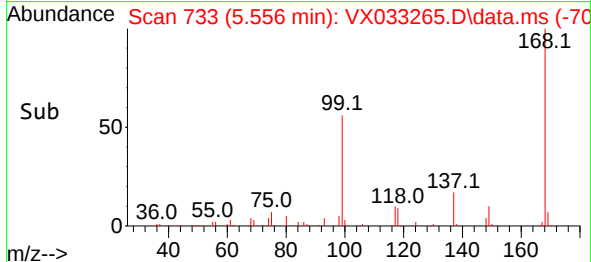
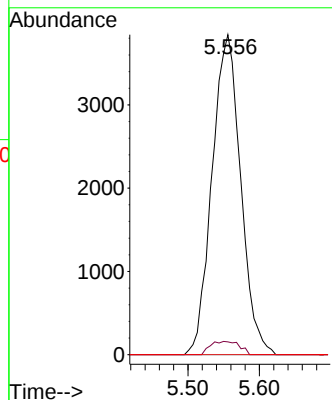


#38
Carbon Tetrachloride
Concen: 6.609 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033265.D
Acq: 06 Dec 2022 17:45

Instrument :
MSVOA_X
ClientSampleId :
MW-39DL

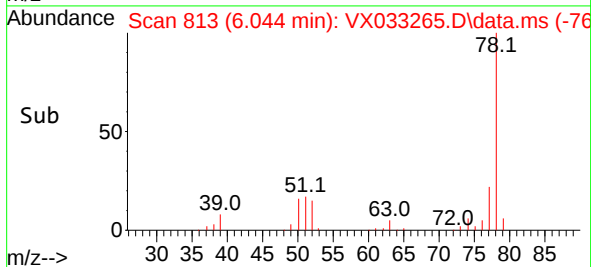
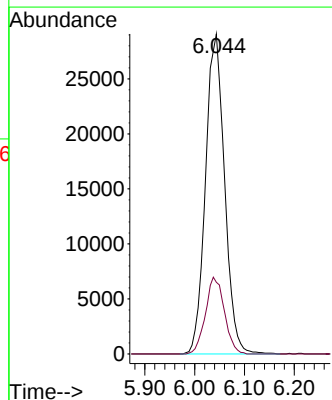
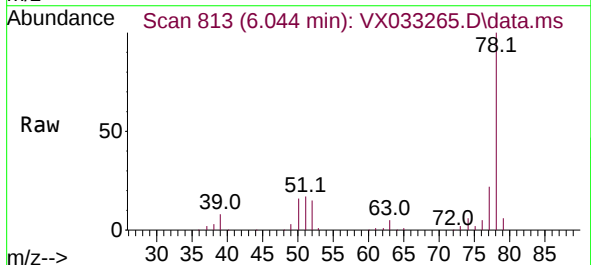


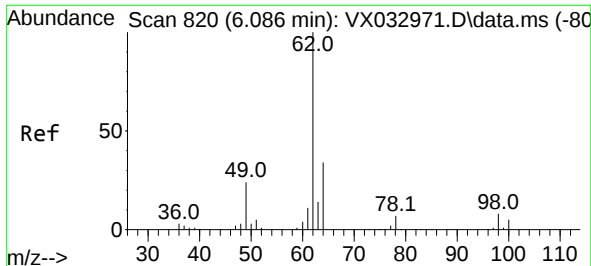
Tgt Ion:117 Resp: 10682
Ion Ratio Lower Upper
117 100
119 4.0 77.2 115.8#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 18.936 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.007 min
Lab File: VX033265.D
Acq: 06 Dec 2022 17:45

Tgt Ion: 78 Resp: 77359
Ion Ratio Lower Upper
78 100
77 22.4 19.0 28.4





#42

1,2-Dichloroethane

Concen: 0.430 ug/l

RT: 6.025 min Scan# 81

Delta R.T. -0.061 min

Lab File: VX033265.D

Acq: 06 Dec 2022 17:45

Instrument :

MSVOA_X

ClientSampleId :

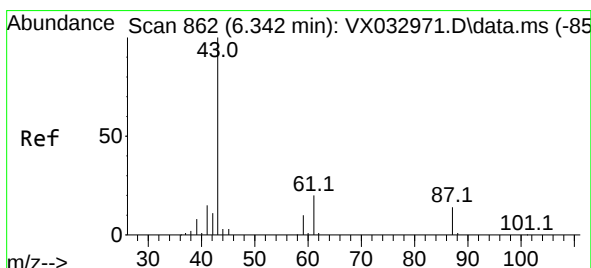
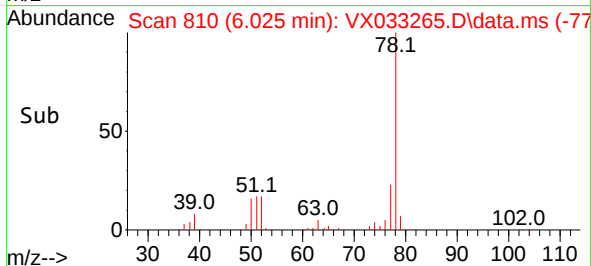
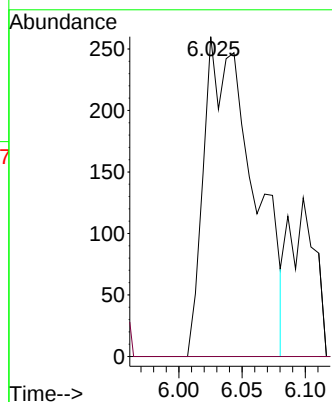
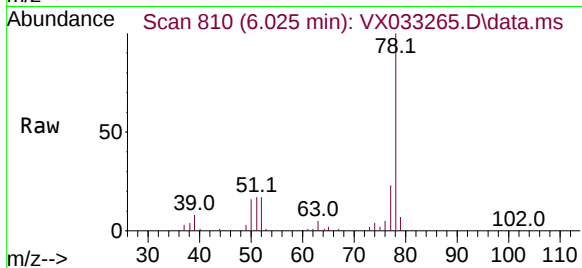
MW-39DL

Tgt Ion: 62 Resp: 708

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#43

Isopropyl Acetate

Concen: 0.508 ug/l

RT: 6.269 min Scan# 850

Delta R.T. -0.073 min

Lab File: VX033265.D

Acq: 06 Dec 2022 17:45

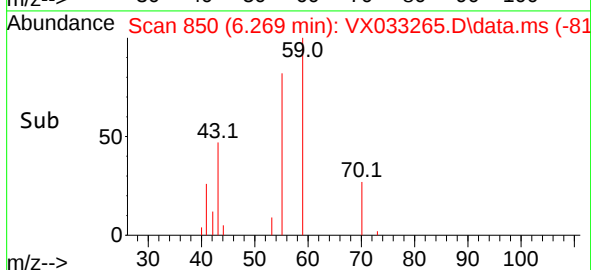
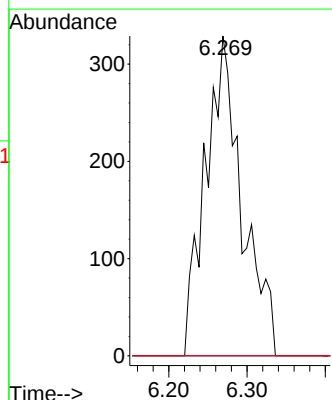
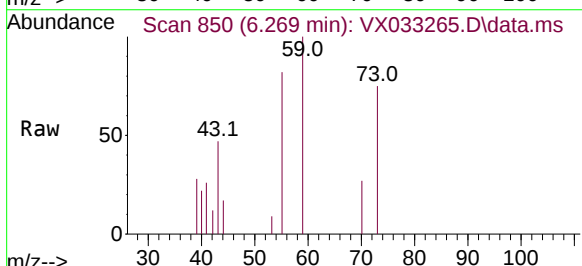
Tgt Ion: 43 Resp: 1069

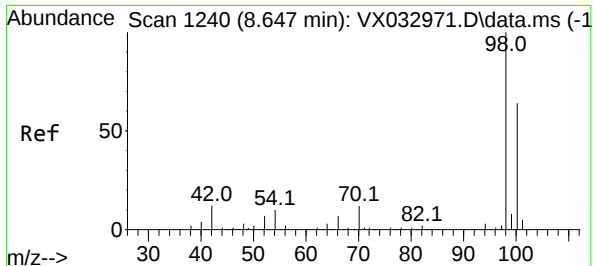
Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

87 0.0 10.8 16.2#





#50

Toluene-d8

Concen: 93.577 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX033265.D

Acq: 06 Dec 2022 17:45

Instrument :

MSVOA_X

ClientSampleId :

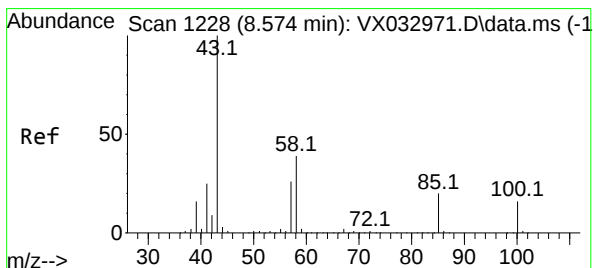
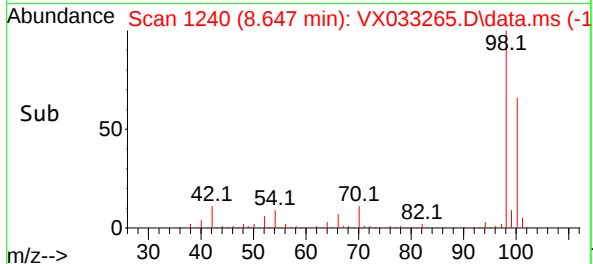
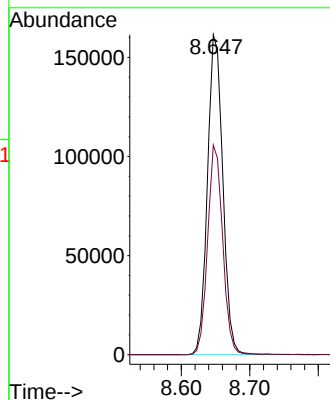
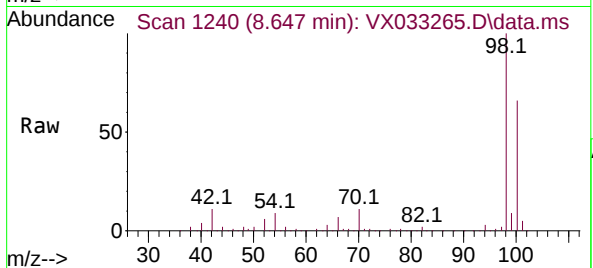
MW-39DL

Tgt Ion: 98 Resp: 251412

Ion Ratio Lower Upper

98 100

100 64.3 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.285 ug/l

RT: 8.513 min Scan# 1218

Delta R.T. -0.061 min

Lab File: VX033265.D

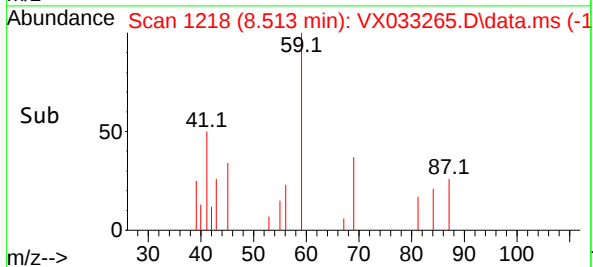
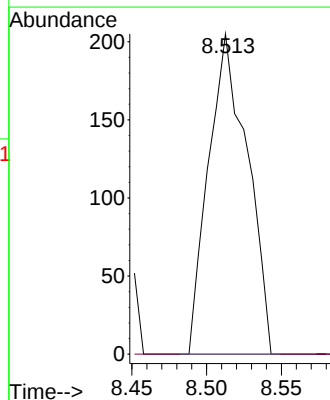
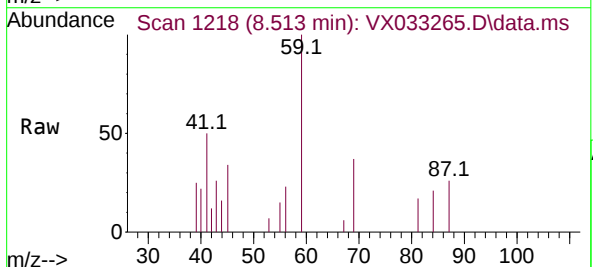
Acq: 06 Dec 2022 17:45

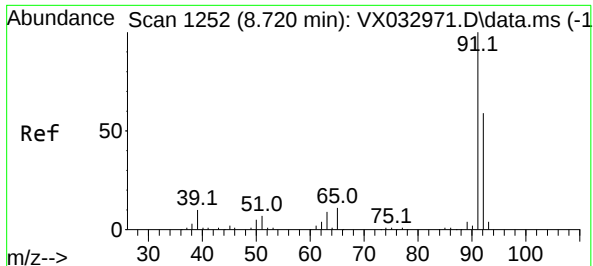
Tgt Ion: 43 Resp: 370

Ion Ratio Lower Upper

43 100

58 0.0 30.9 46.3#





#52

Toluene

Concen: 0.289 ug/l

RT: 8.726 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX033265.D

Acq: 06 Dec 2022 17:45

Instrument :

MSVOA_X

ClientSampleId :

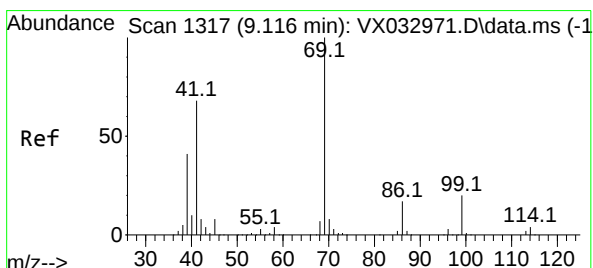
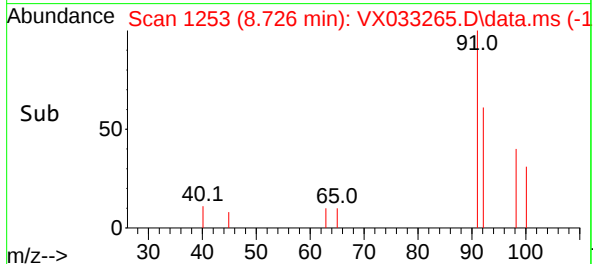
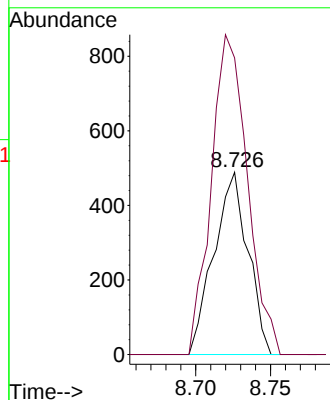
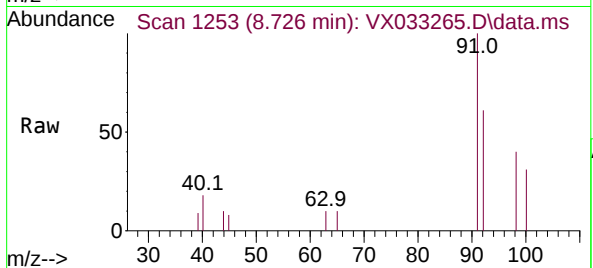
MW-39DL

Tgt Ion: 92 Resp: 776

Ion Ratio Lower Upper

92 100

91 185.8 138.3 207.5



#56

Ethyl methacrylate

Concen: 0.383 ug/l

RT: 8.848 min Scan# 1273

Delta R.T. -0.268 min

Lab File: VX033265.D

Acq: 06 Dec 2022 17:45

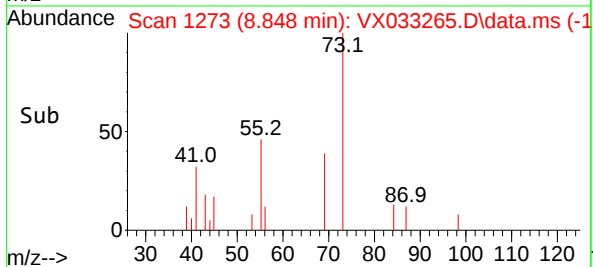
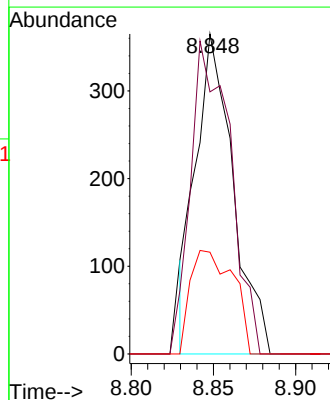
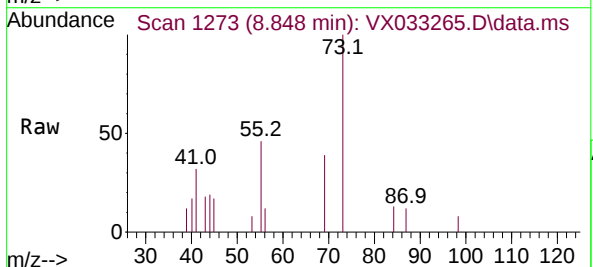
Tgt Ion: 69 Resp: 577

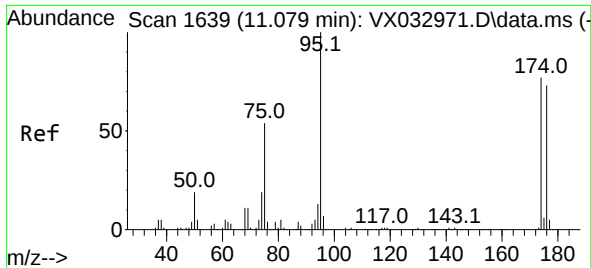
Ion Ratio Lower Upper

69 100

41 99.7 54.3 81.5#

39 37.1 35.2 52.8

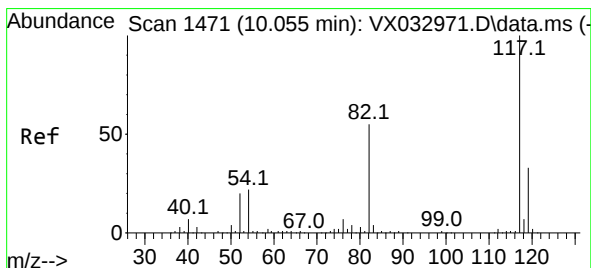
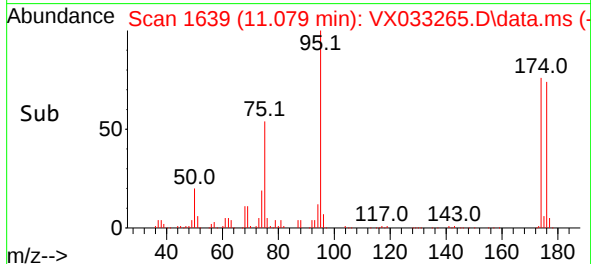
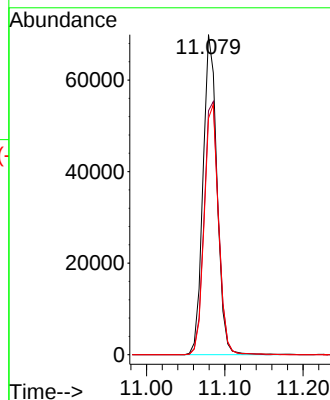
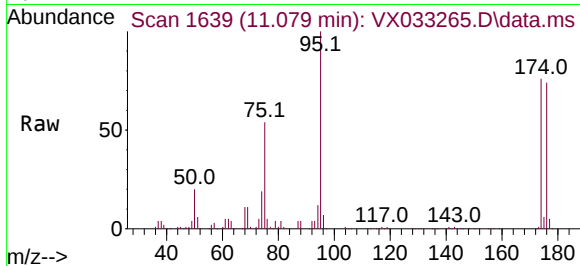




#62
4-Bromofluorobenzene
Concen: 72.568 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033265.D
Acq: 06 Dec 2022 17:45

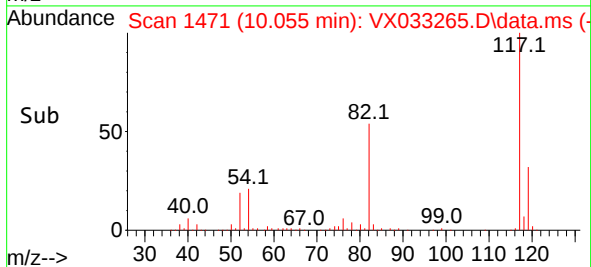
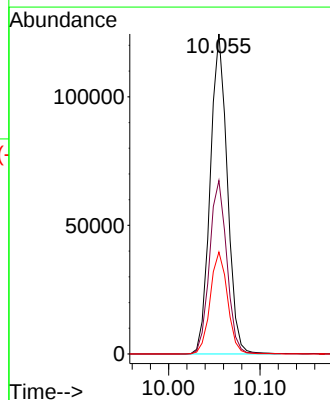
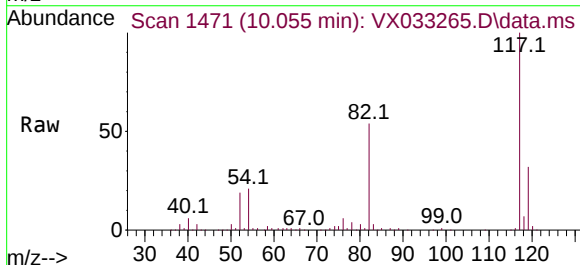
Instrument :
MSVOA_X
ClientSampleId :
MW-39DL

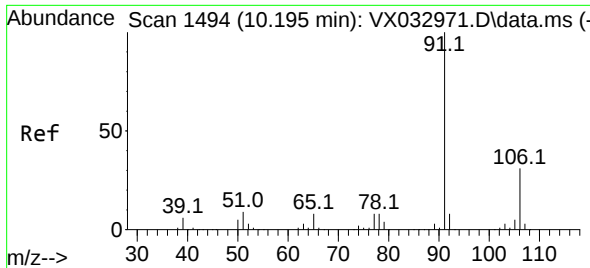
Tgt Ion: 95 Resp: 86865
Ion Ratio Lower Upper
95 100
174 81.8 0.0 164.0
176 79.9 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033265.D
Acq: 06 Dec 2022 17:45

Tgt Ion: 117 Resp: 160999
Ion Ratio Lower Upper
117 100
82 54.2 44.3 66.5
119 31.8 25.7 38.5





#67

Ethyl Benzene

Concen: 3.668 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX033265.D

Acq: 06 Dec 2022 17:45

Instrument :

MSVOA_X

ClientSampleId :

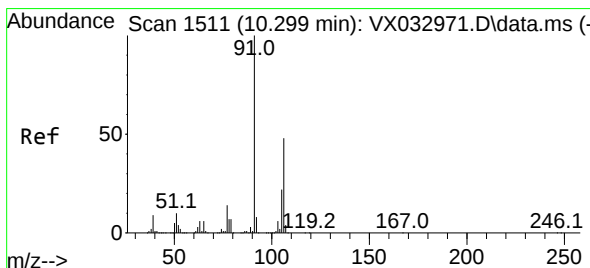
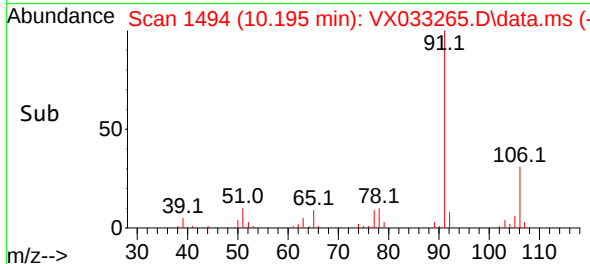
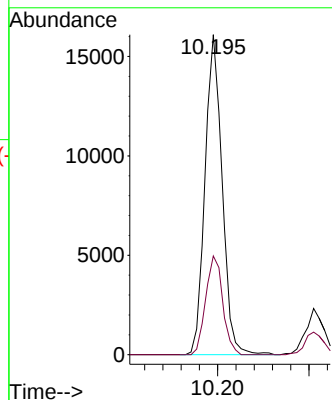
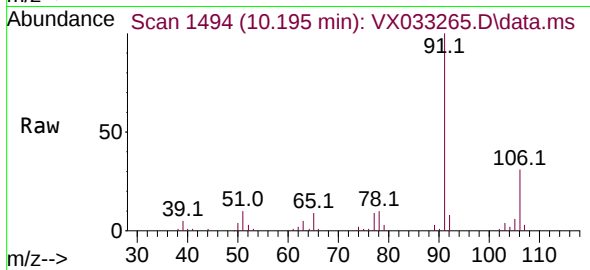
MW-39DL

Tgt Ion: 91 Resp: 20883

Ion Ratio Lower Upper

91 100

106 30.9 25.0 37.6



#68

m/p-Xylenes

Concen: 0.727 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX033265.D

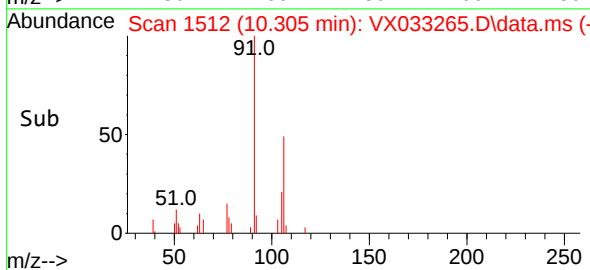
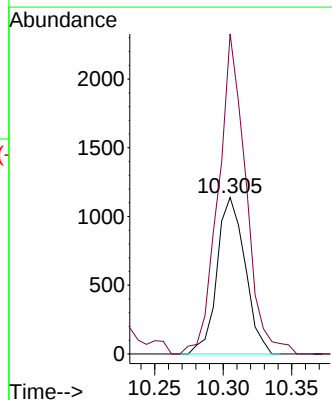
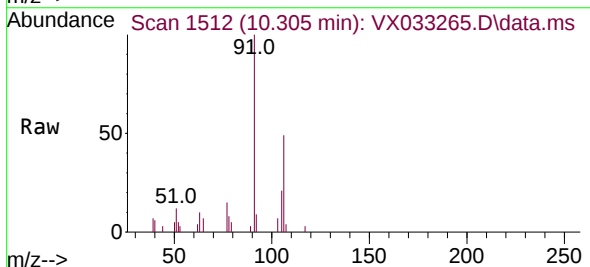
Acq: 06 Dec 2022 17:45

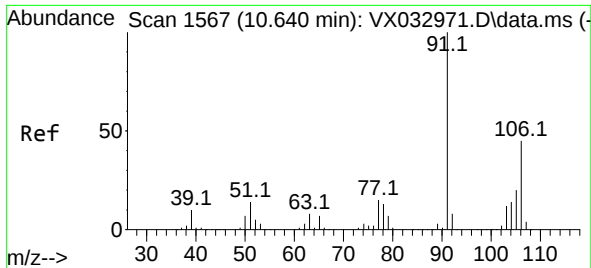
Tgt Ion: 106 Resp: 1620

Ion Ratio Lower Upper

106 100

91 201.2 164.5 246.7

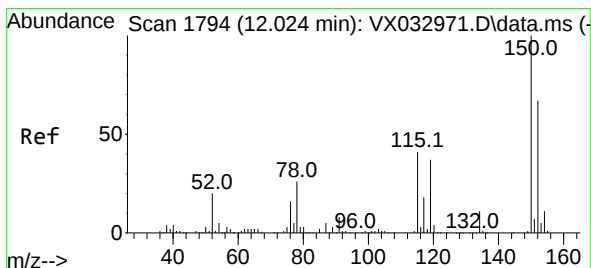
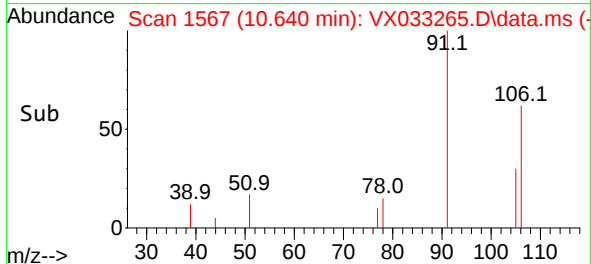
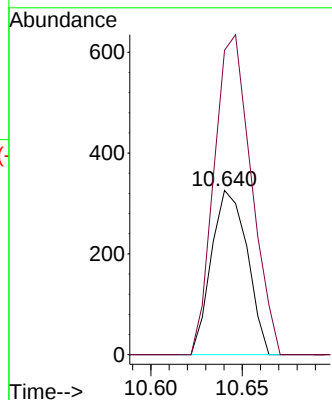
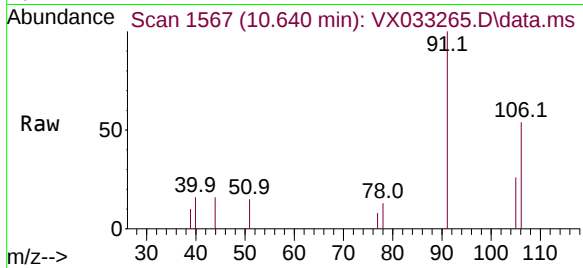




#69
o-Xylene
Concen: 0.207 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033265.D
Acq: 06 Dec 2022 17:45

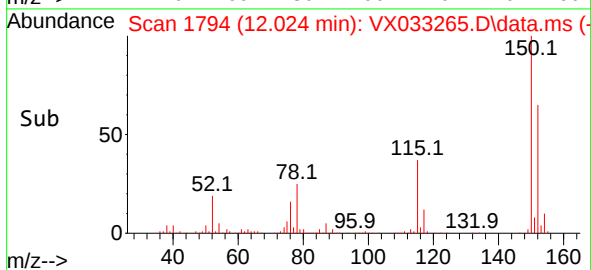
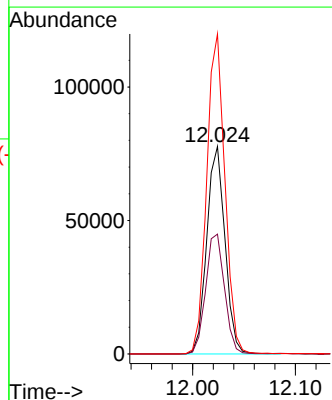
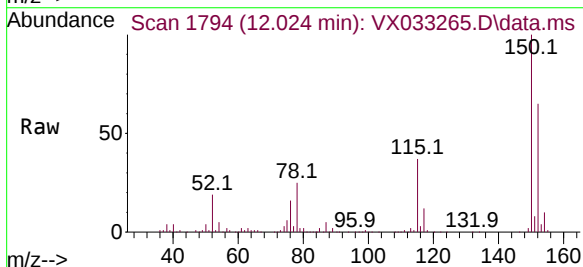
Instrument :
MSVOA_X
ClientSampleId :
MW-39DL

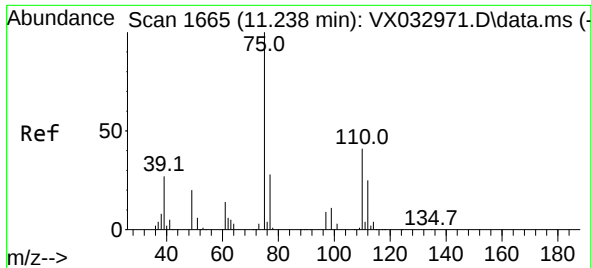
Tgt Ion:106 Resp: 446
Ion Ratio Lower Upper
106 100
91 201.3 109.2 327.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033265.D
Acq: 06 Dec 2022 17:45

Tgt Ion:152 Resp: 95977
Ion Ratio Lower Upper
152 100
115 59.6 44.0 132.0
150 153.8 0.0 351.8

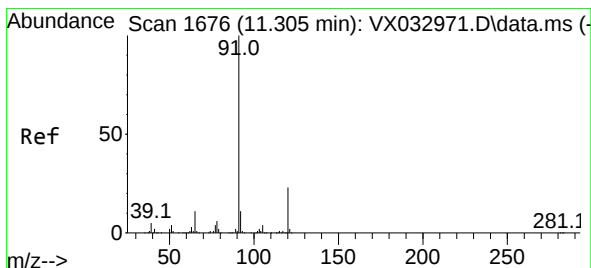
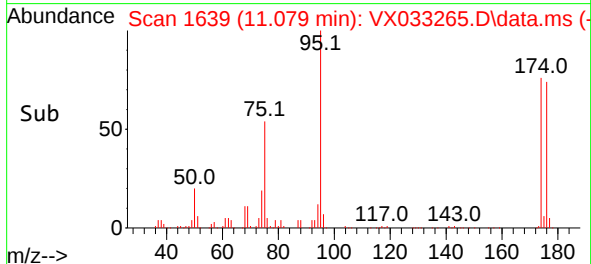
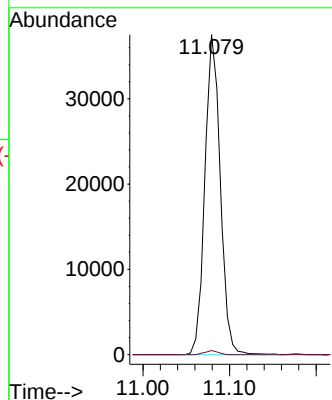
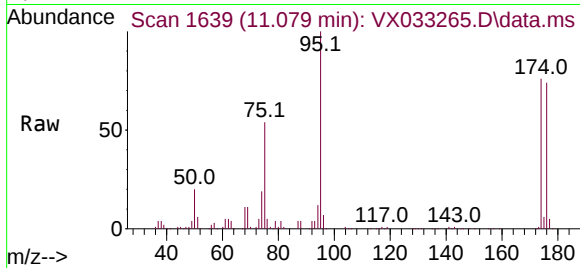




#76
1,2,3-Trichloropropane
Concen: 25.499 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033265.D
Acq: 06 Dec 2022 17:45

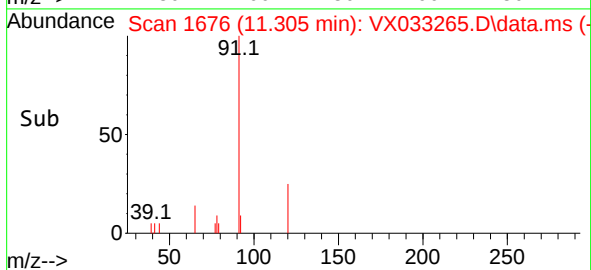
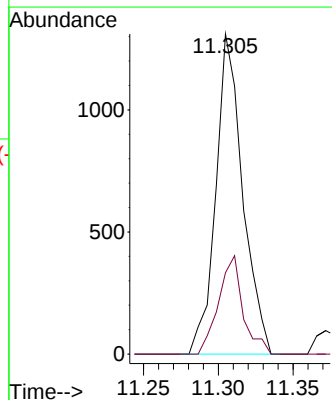
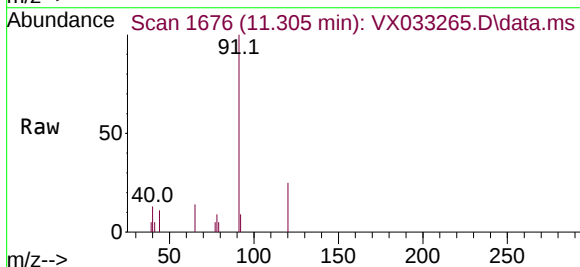
Instrument :
MSVOA_X
ClientSampleId :
MW-39DL

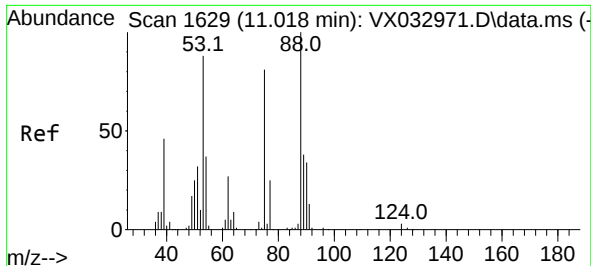
Tgt Ion: 75 Resp: 46349
Ion Ratio Lower Upper
75 100
77 1.1 20.0 60.0#



#78
n-propylbenzene
Concen: 0.209 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX033265.D
Acq: 06 Dec 2022 17:45

Tgt Ion: 91 Resp: 1638
Ion Ratio Lower Upper
91 100
120 27.9 11.6 34.8

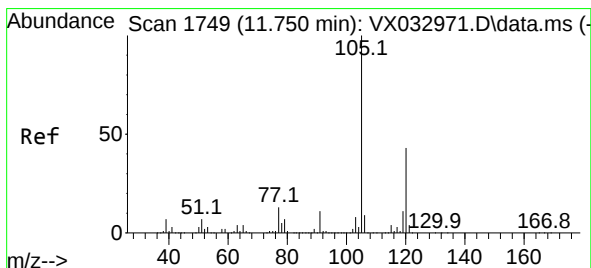
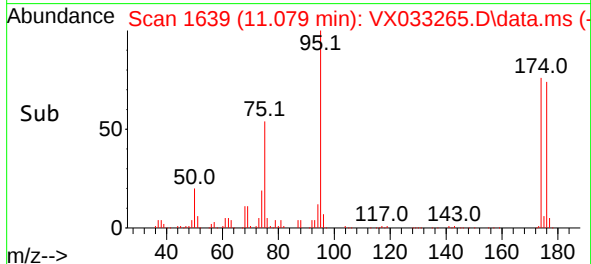
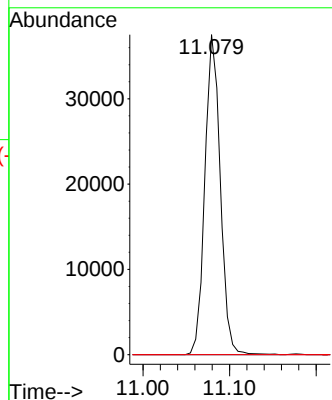
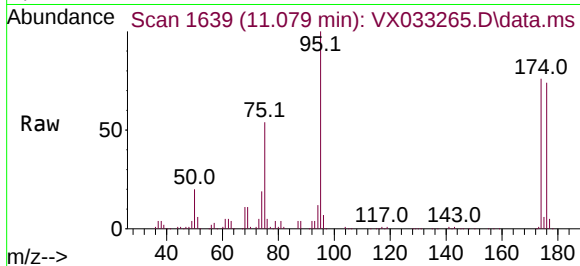




#81
trans-1,4-Dichloro-2-butene
Concen: 82.885 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033265.D
Acq: 06 Dec 2022 17:45

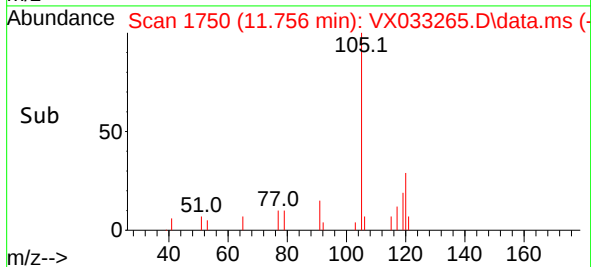
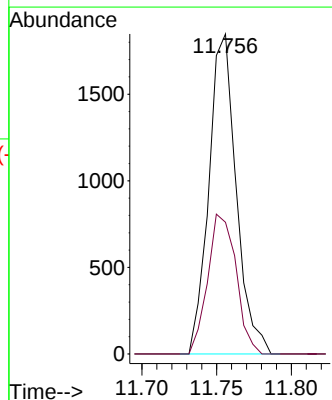
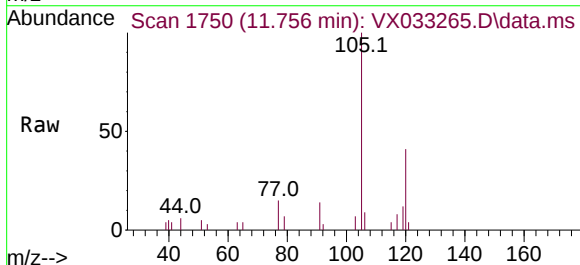
Instrument :
MSVOA_X
ClientSampleId :
MW-39DL

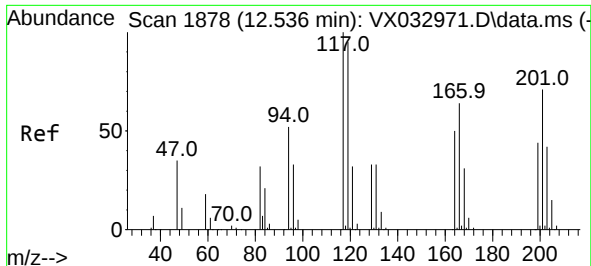
Tgt Ion: 75 Resp: 46349
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#



#84
1,2,4-Trimethylbenzene
Concen: 0.409 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX033265.D
Acq: 06 Dec 2022 17:45

Tgt Ion: 105 Resp: 2350
Ion Ratio Lower Upper
105 100
120 45.3 21.9 65.5

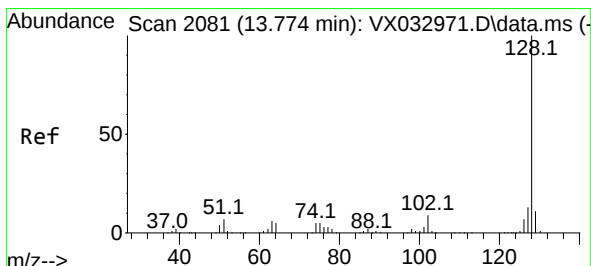
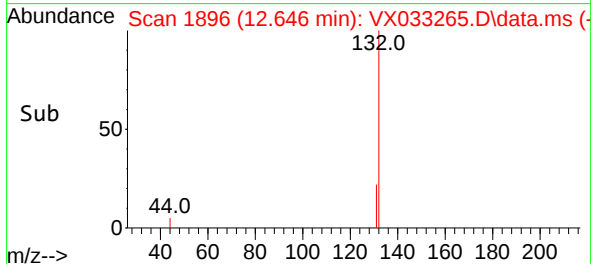
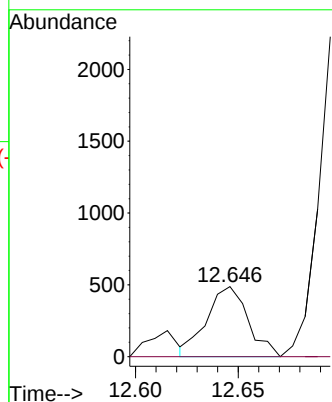
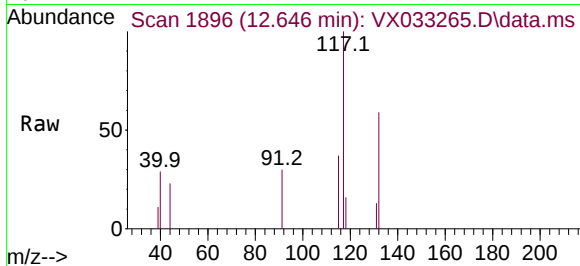




#90
Hexachloroethane
Concen: 0.714 ug/l
RT: 12.646 min Scan# 1878
Delta R.T. 0.104 min
Lab File: VX033265.D
Acq: 06 Dec 2022 17:45

Instrument :
MSVOA_X
ClientSampleId :
MW-39DL

Tgt Ion:117 Resp: 682
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#



#95
Naphthalene
Concen: 0.903 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX033265.D
Acq: 06 Dec 2022 17:45

Tgt Ion:128 Resp: 5544
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 10.4 8.9 13.3

