

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092822\
 Data File : VX031751.D
 Acq On : 29 Sep 2022 01:46
 Operator : JC/MD
 Sample : M4863-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

Quant Time: Sep 29 04:36:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

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

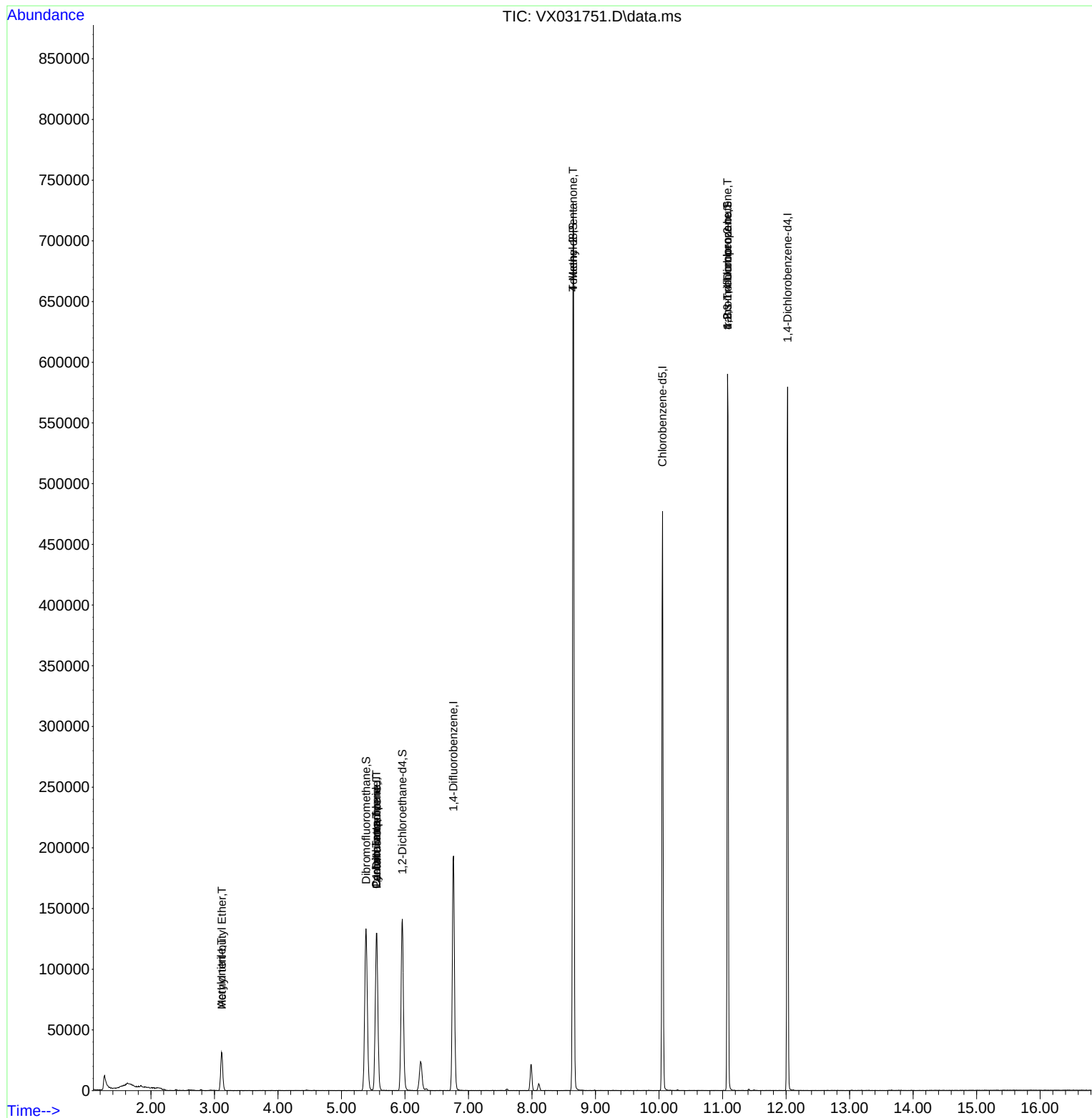
Internal Standards						
1) Pentafluorobenzene	5.556	168	121952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	205187	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	116478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	135796	52.465	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.920%	
35) Dibromofluoromethane	5.385	113	111348	45.544	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 91.080%	
50) Toluene-d8	8.647	98	438166	49.434	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.860%	
62) 4-Bromofluorobenzene	11.079	95	148191	45.616	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.240%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	595	Below Cal	#	41
5) Bromomethane	1.624	94	372	Below Cal	#	69
6) Chloroethane	1.800	64	706	Below Cal	#	60
11) Tert butyl alcohol	2.989	59	346	Below Cal	#	73
12) 1,1-Dichloroethene	2.099	96	20	Below Cal	#	1
15) Acrylonitrile	3.111	53	460	0.512 ug/l	#	24
16) Acetone	2.392	43	1000	Below Cal	#	89
17) Carbon Disulfide	2.508	76	135	Below Cal	#	75
19) Methyl tert-butyl Ether	3.117	73	34709	6.029 ug/l		97
20) Methylene Chloride	2.794	84	431	Below Cal	#	95
31) Cyclohexane	5.550	56	2723	1.106 ug/l	#	25
36) 1,1-Dichloropropene	5.550	75	9826	3.500 ug/l	#	48
38) Carbon Tetrachloride	5.550	117	13005	4.110 ug/l	#	17
51) 4-Methyl-2-Pentanone	8.647	43	1660	0.588 ug/l	#	1
76) 1,2,3-Trichloropropane	11.079	75	78547	37.198 ug/l	#	36
81) trans-1,4-Dichloro-2-b...	11.079	75	78547	121.874 ug/l	#	11

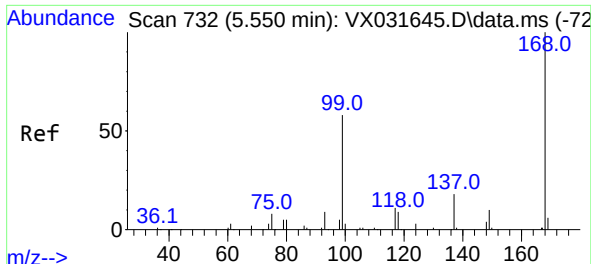
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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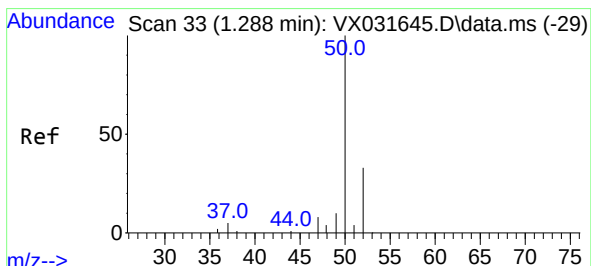
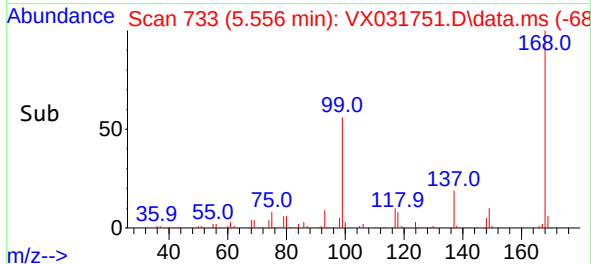
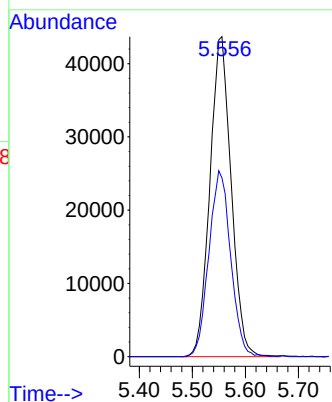
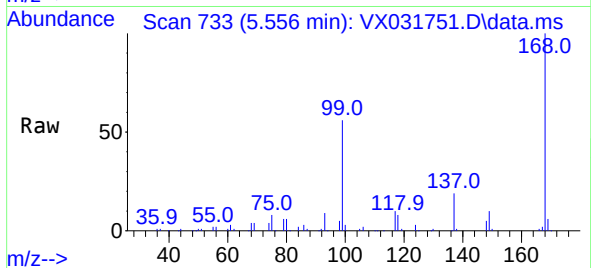




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031751.D
Acq: 29 Sep 2022 01:46

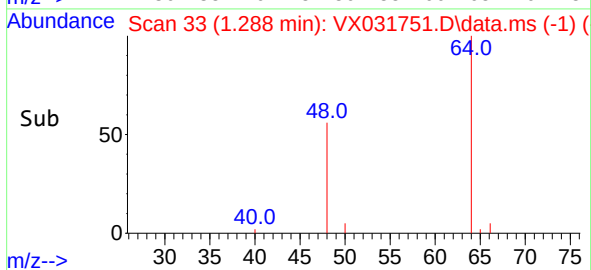
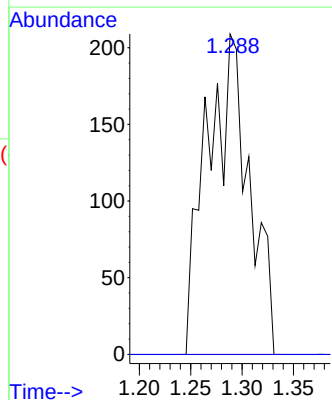
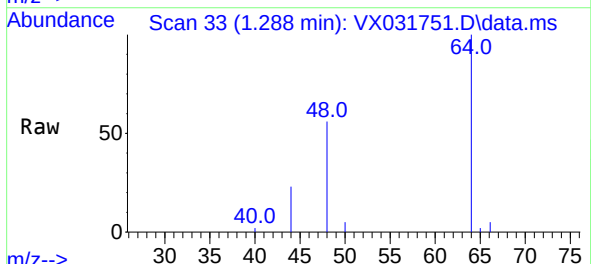
Instrument :
MSVOA_X
ClientSampleId :
MW-6

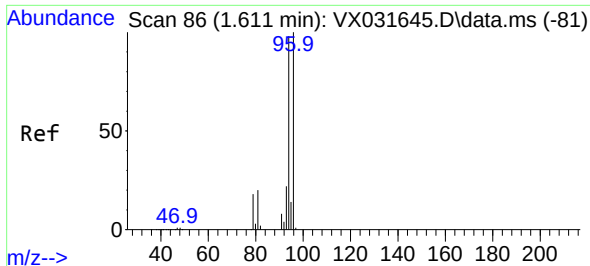
Tgt Ion:168 Resp: 121952
Ion Ratio Lower Upper
168 100
99 55.9 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031751.D
Acq: 29 Sep 2022 01:46

Tgt Ion: 50 Resp: 595
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

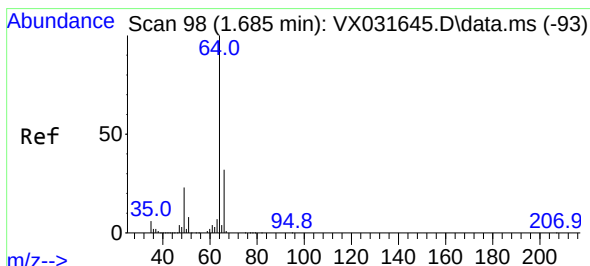
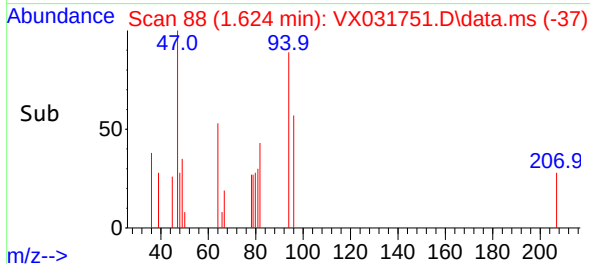
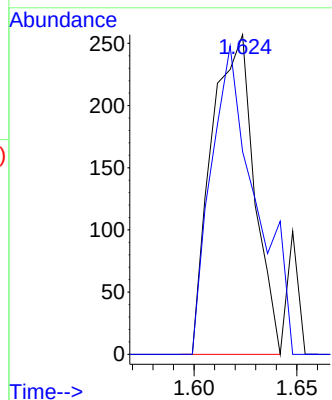
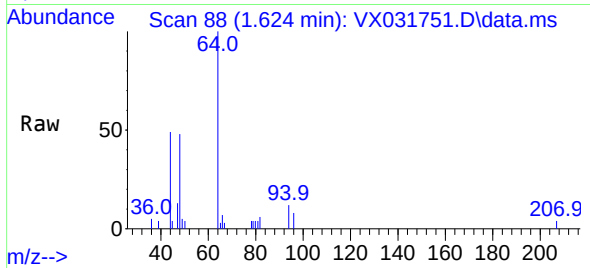




#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX031751.D
Acq: 29 Sep 2022 01:46

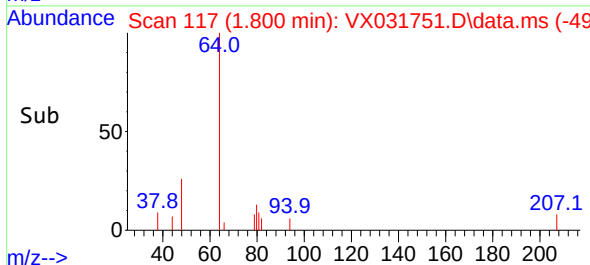
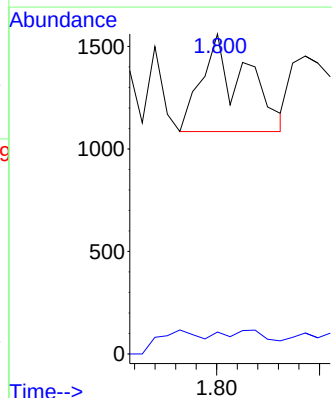
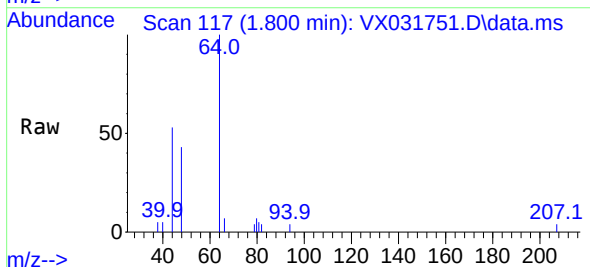
Instrument :
MSVOA_X
ClientSampleId :
MW-6

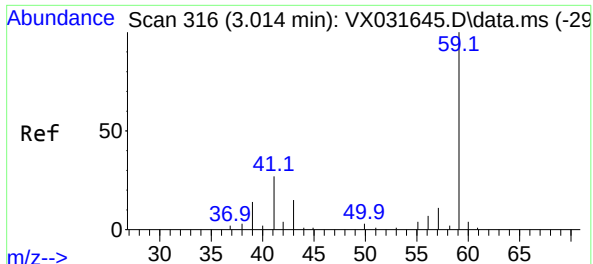
Tgt Ion: 94 Resp: 372
Ion Ratio Lower Upper
94 100
96 63.4 74.4 111.6#



#6
Chloroethane
Concen: Below Cal
RT: 1.800 min Scan# 117
Delta R.T. 0.115 min
Lab File: VX031751.D
Acq: 29 Sep 2022 01:46

Tgt Ion: 64 Resp: 706
Ion Ratio Lower Upper
64 100
66 9.0 25.0 37.4#

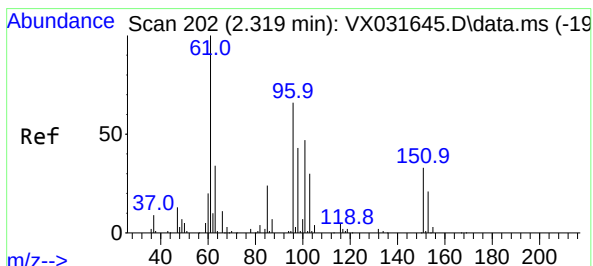
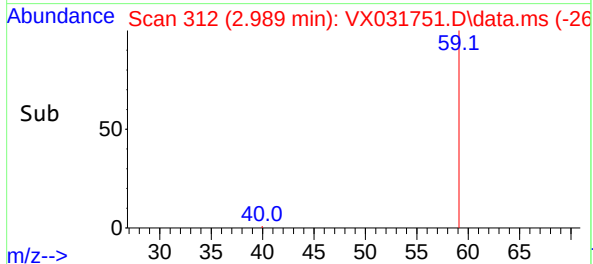
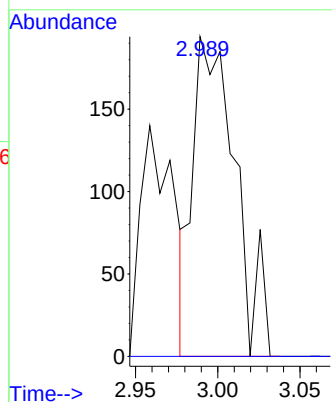
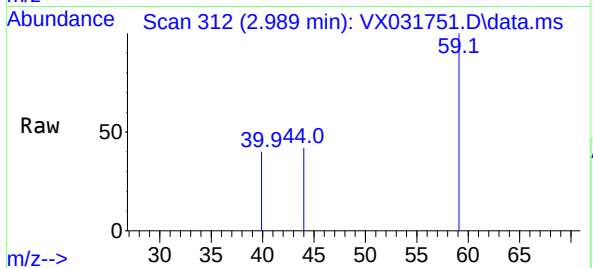




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.989 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX031751.D
Acq: 29 Sep 2022 01:46

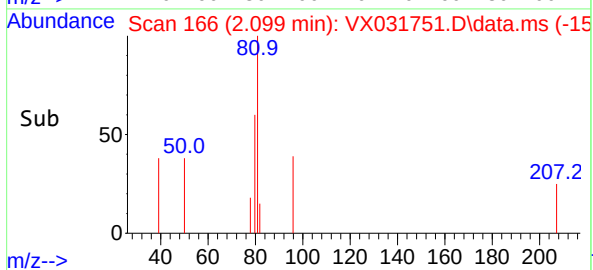
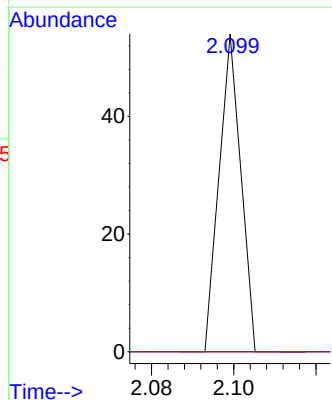
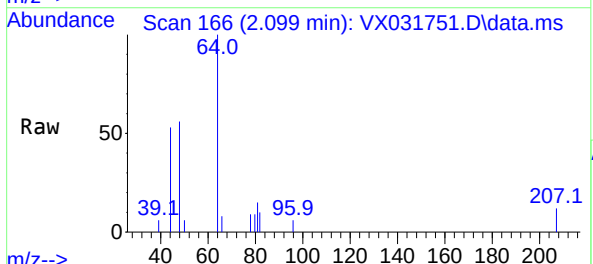
Instrument :
MSVOA_X
ClientSampleId :
MW-6

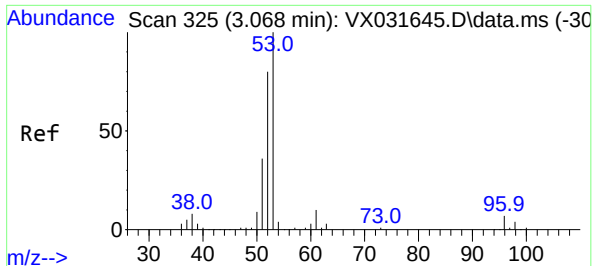
Tgt Ion: 59 Resp: 346
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#12
1,1-Dichloroethene
Concen: Below Cal
RT: 2.099 min Scan# 166
Delta R.T. -0.220 min
Lab File: VX031751.D
Acq: 29 Sep 2022 01:46

Tgt Ion: 96 Resp: 20
Ion Ratio Lower Upper
96 100
61 0.0 135.3 202.9#
98 0.0 49.4 74.2#

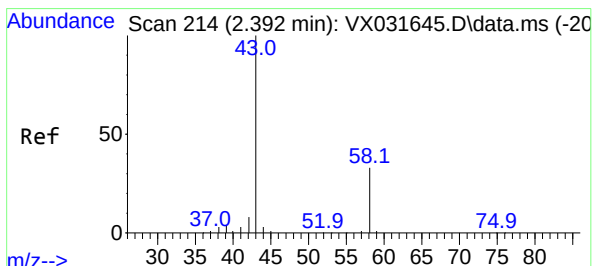
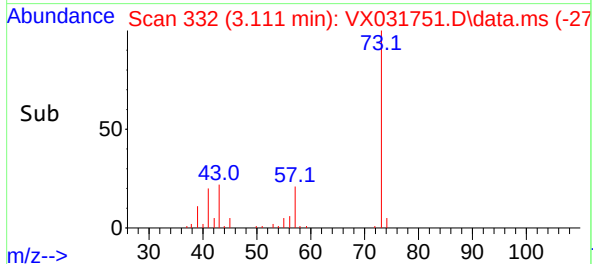
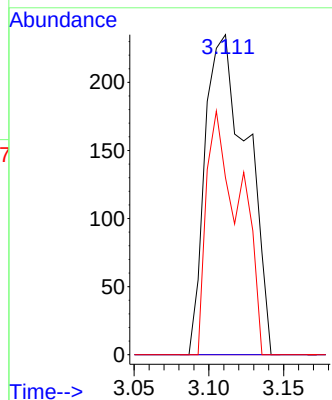
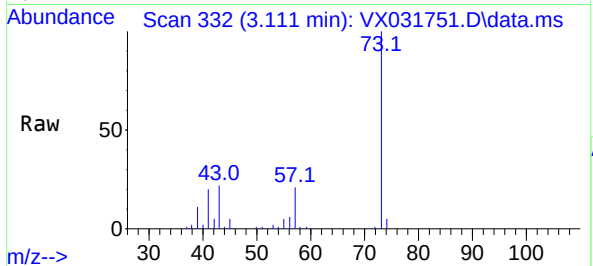




#15
Acrylonitrile
Concen: 0.512 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.042 min
Lab File: VX031751.D
Acq: 29 Sep 2022 01:46

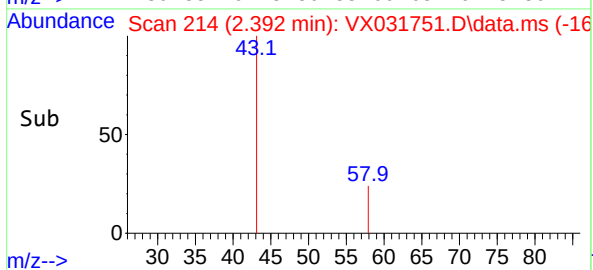
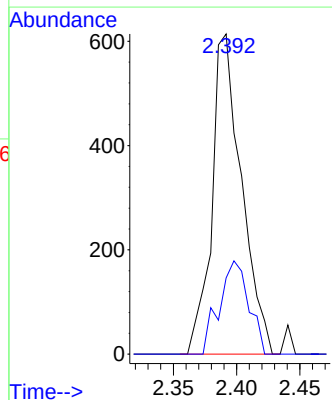
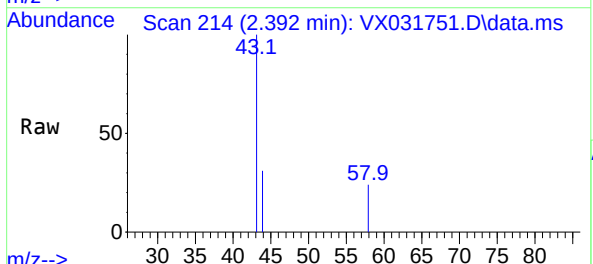
Instrument :
MSVOA_X
ClientSampleId :
MW-6

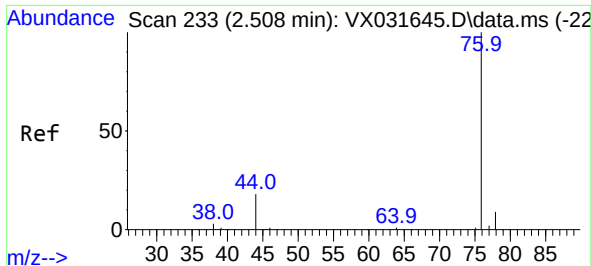
Tgt Ion: 53 Resp: 460
Ion Ratio Lower Upper
53 100
52 0.0 66.9 100.3#
51 60.9 30.0 45.0#



#16
Acetone
Concen: Below Cal
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031751.D
Acq: 29 Sep 2022 01:46

Tgt Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
58 23.8 23.8 35.8#





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.508 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX031751.D

Acq: 29 Sep 2022 01:46

Instrument :

MSVOA_X

ClientSampleId :

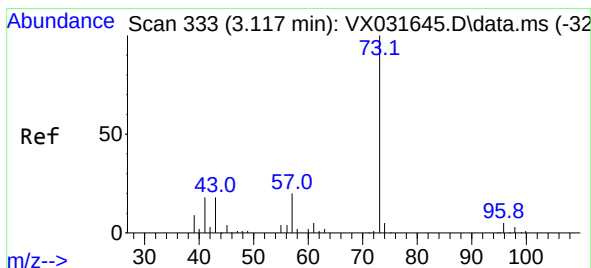
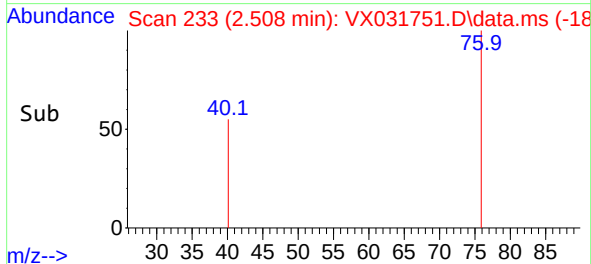
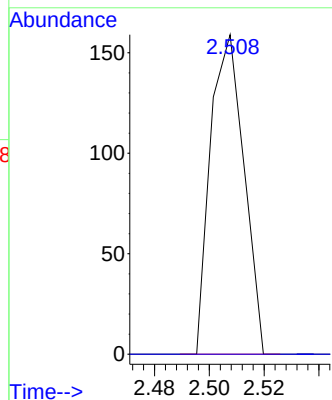
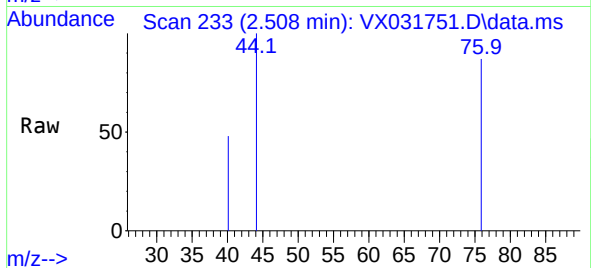
MW-6

Tgt Ion: 76 Resp: 135

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#19

Methyl tert-butyl Ether

Concen: 6.029 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.000 min

Lab File: VX031751.D

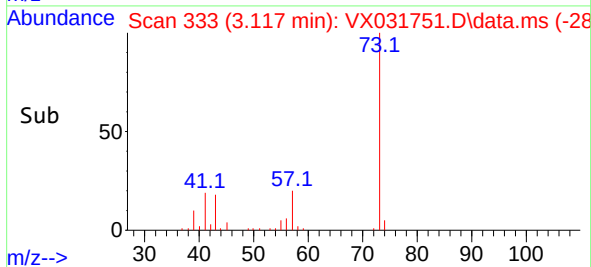
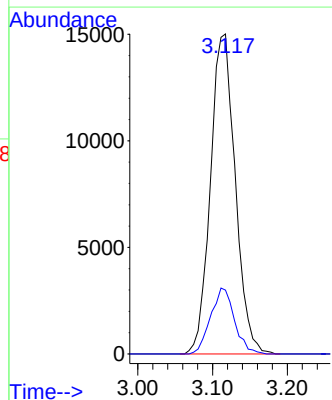
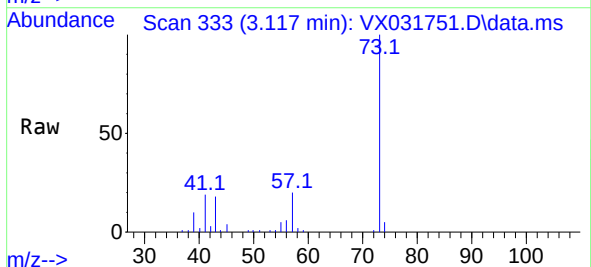
Acq: 29 Sep 2022 01:46

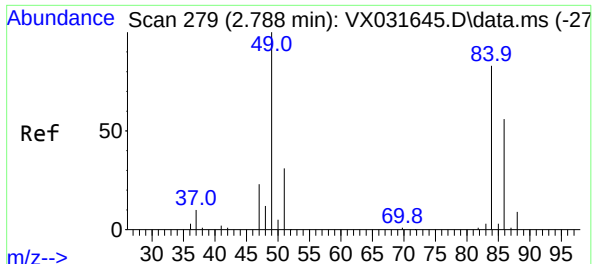
Tgt Ion: 73 Resp: 34709

Ion Ratio Lower Upper

73 100

57 20.0 17.2 25.8





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX031751.D

Acq: 29 Sep 2022 01:46

Instrument :

MSVOA_X

ClientSampleId :

MW-6

Tgt Ion: 84 Resp: 431

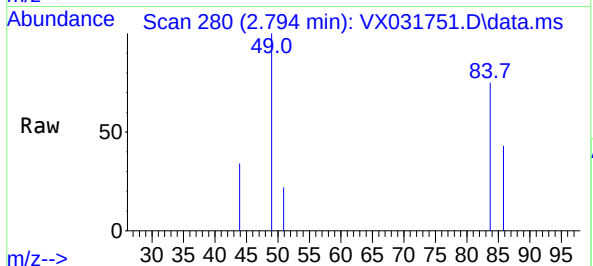
Ion Ratio Lower Upper

84 100

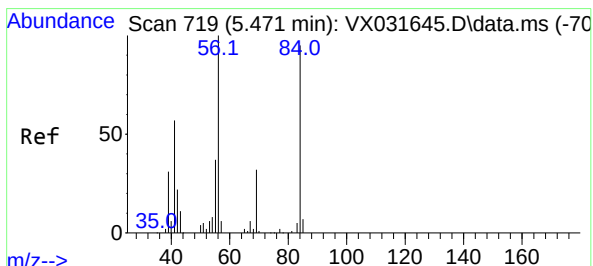
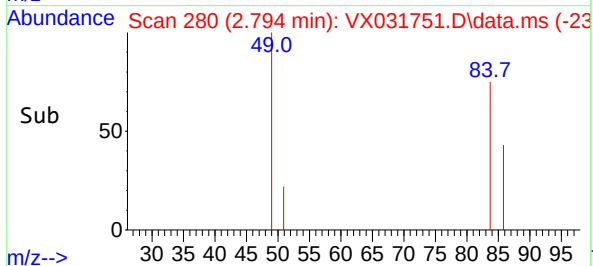
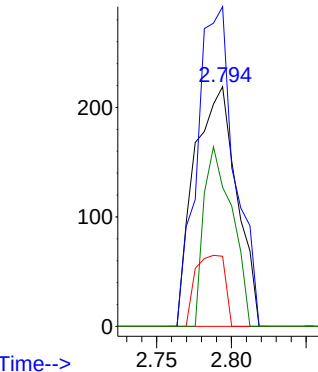
49 133.3 105.9 158.9

51 29.2 32.2 48.2#

86 58.0 50.8 76.2



Abundance



#31

Cyclohexane

Concen: 1.106 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX031751.D

Acq: 29 Sep 2022 01:46

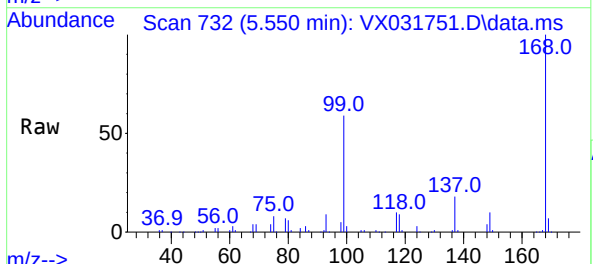
Tgt Ion: 56 Resp: 2723

Ion Ratio Lower Upper

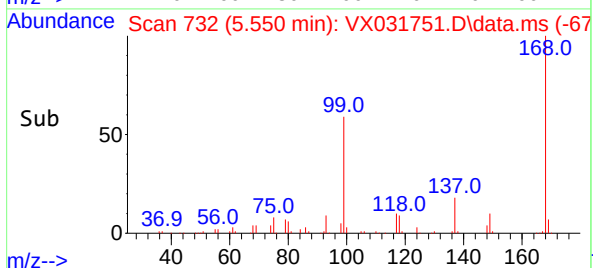
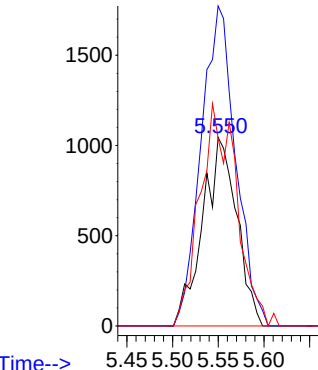
56 100

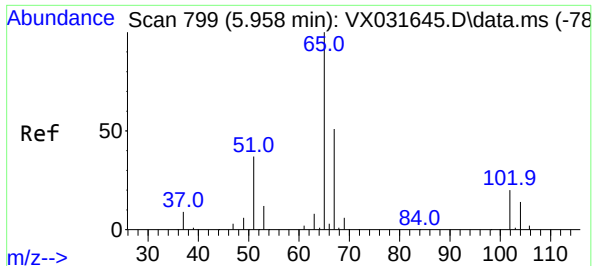
69 169.8 25.1 37.7#

84 99.7 70.2 105.4



Abundance

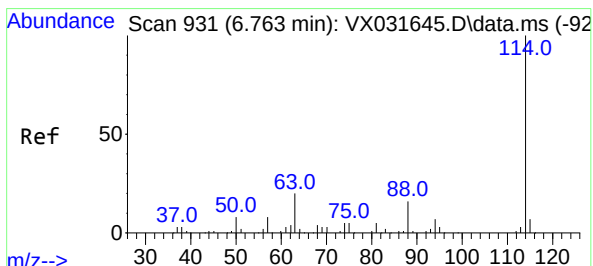
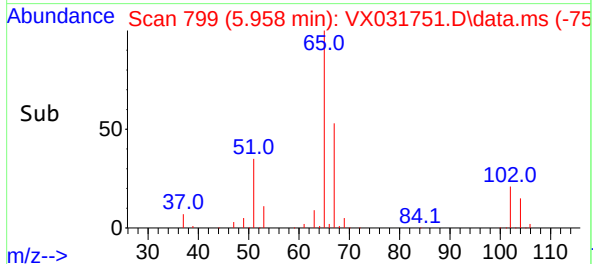
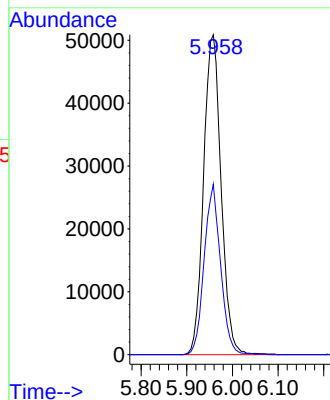
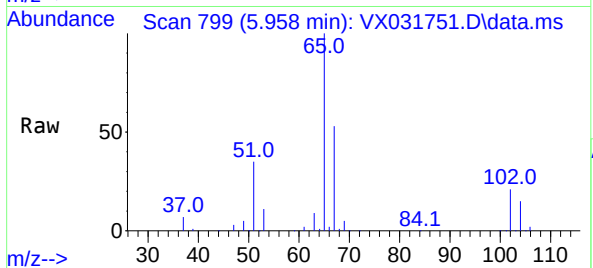




#33
 1,2-Dichloroethane-d4
 Concen: 52.465 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX031751.D
 Acq: 29 Sep 2022 01:46

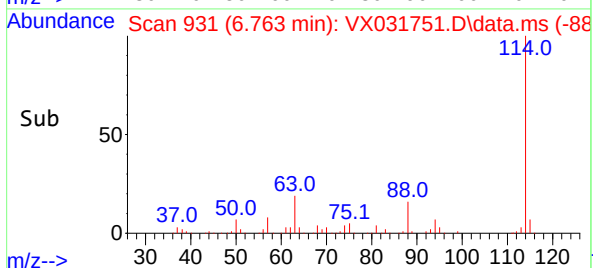
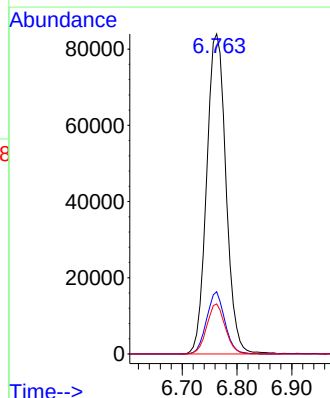
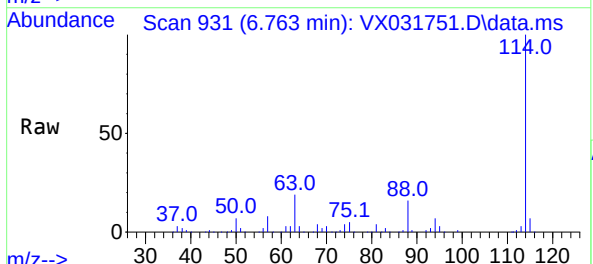
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

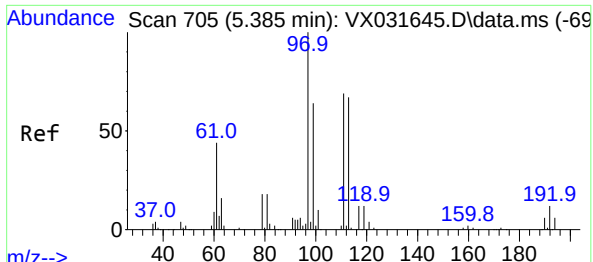
Tgt Ion: 65 Resp: 135796
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX031751.D
 Acq: 29 Sep 2022 01:46

Tgt Ion: 114 Resp: 205187
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.6
 88 15.7 0.0 33.0

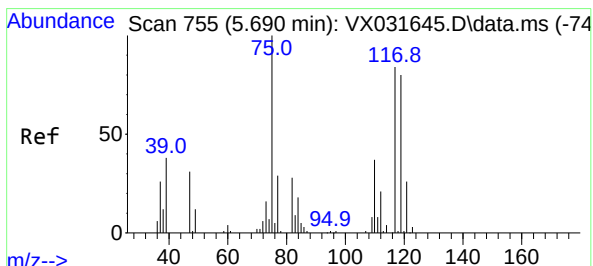
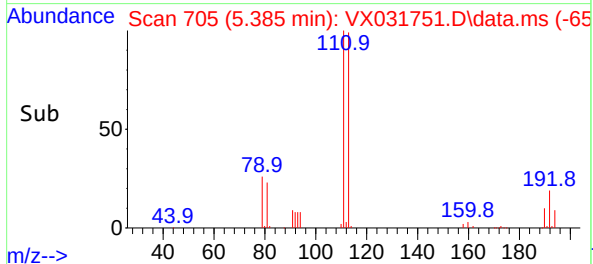
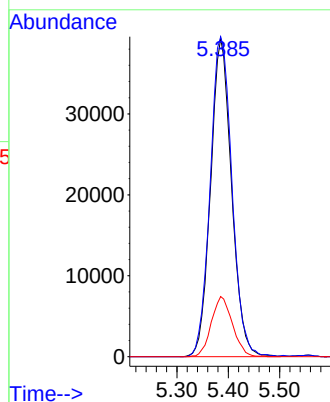
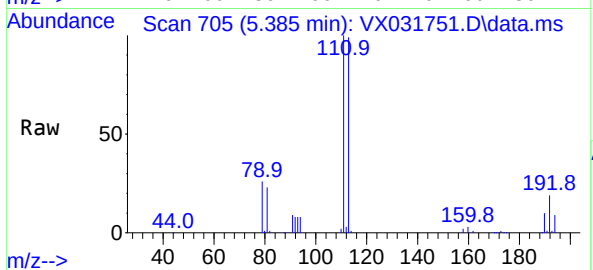




#35
Dibromofluoromethane
Concen: 45.544 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX031751.D
Acq: 29 Sep 2022 01:46

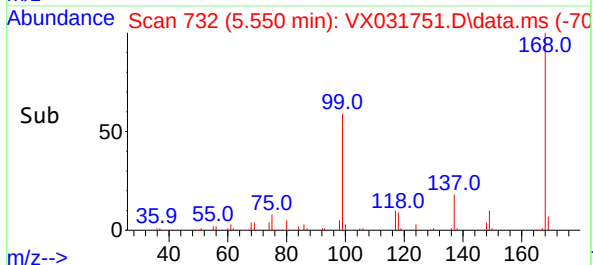
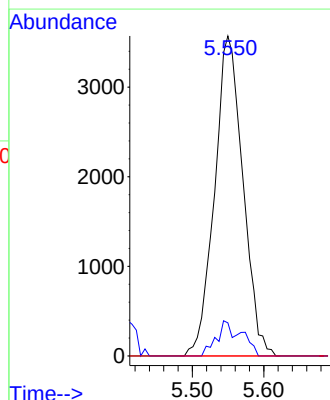
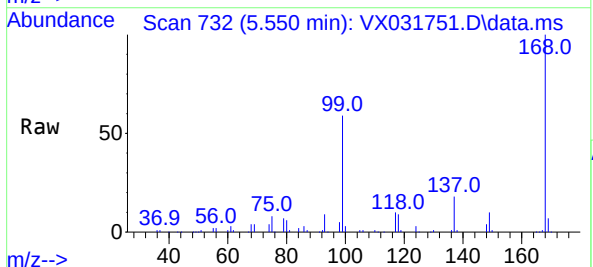
Instrument :
MSVOA_X
ClientSampleId :
MW-6

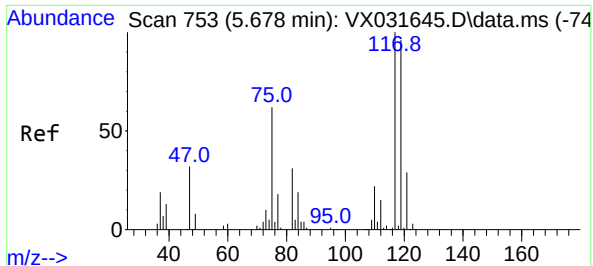
Tgt Ion:113 Resp: 111348
Ion Ratio Lower Upper
113 100
111 104.5 82.4 123.6
192 19.1 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.500 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX031751.D
Acq: 29 Sep 2022 01:46

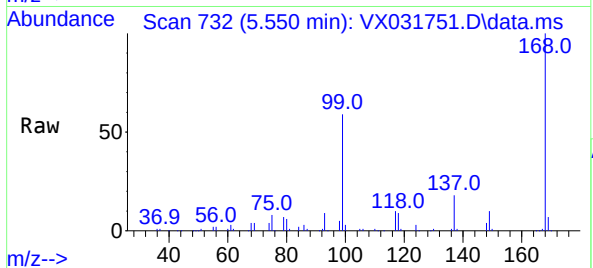
Tgt Ion: 75 Resp: 9826
Ion Ratio Lower Upper
75 100
110 6.6 17.5 52.5#
77 0.0 24.9 37.3#



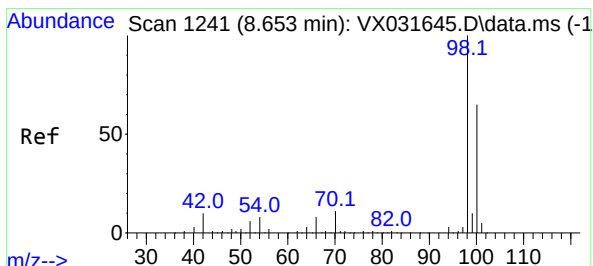
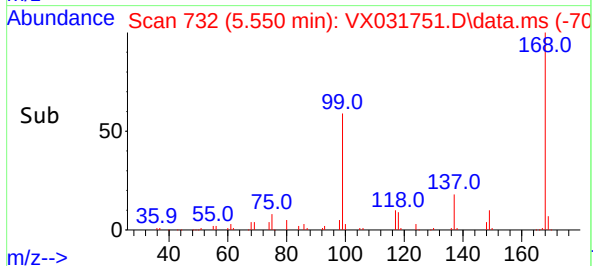
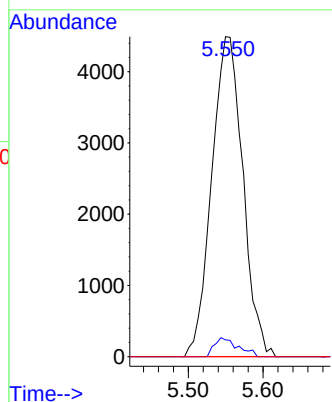


#38
Carbon Tetrachloride
Concen: 4.110 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031751.D
Acq: 29 Sep 2022 01:46

Instrument :
MSVOA_X
ClientSampleId :
MW-6

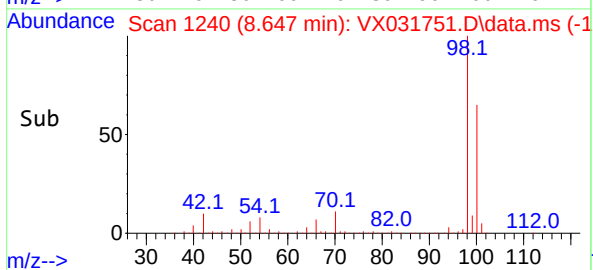
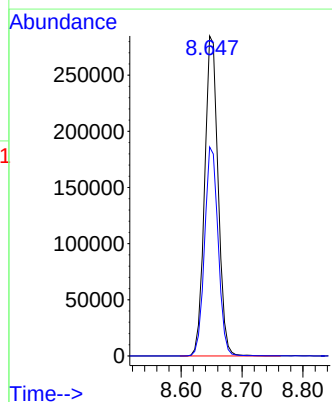
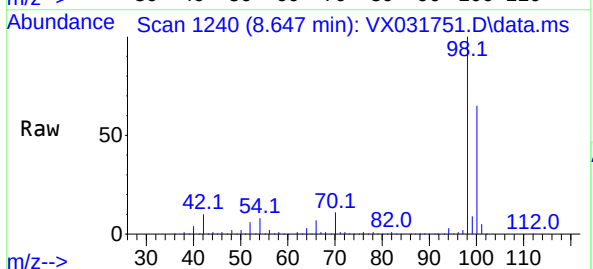


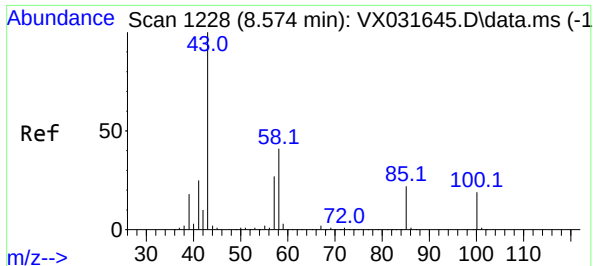
Tgt Ion:117 Resp: 13005
Ion Ratio Lower Upper
117 100
119 5.3 74.6 112.0#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 49.434 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031751.D
Acq: 29 Sep 2022 01:46

Tgt Ion: 98 Resp: 438166
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.588 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX031751.D

Acq: 29 Sep 2022 01:46

Instrument :

MSVOA_X

ClientSampleId :

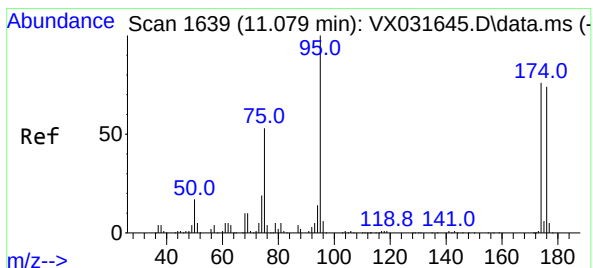
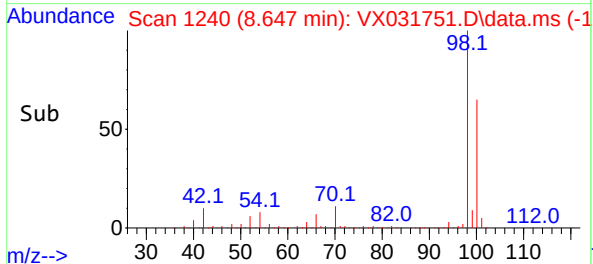
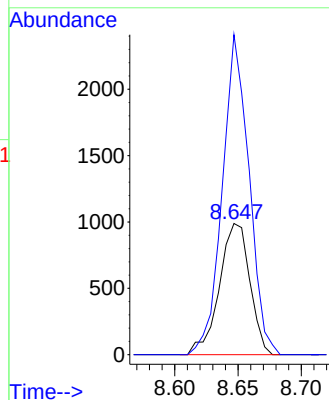
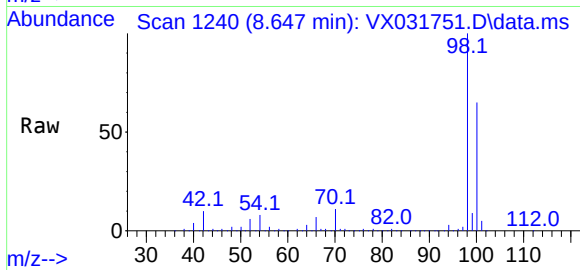
MW-6

Tgt Ion: 43 Resp: 1660

Ion Ratio Lower Upper

43 100

58 213.1 30.6 46.0#



#62

4-Bromofluorobenzene

Concen: 45.616 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031751.D

Acq: 29 Sep 2022 01:46

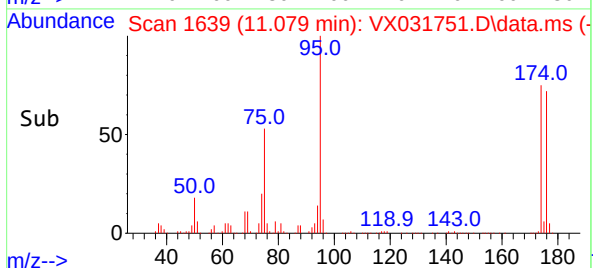
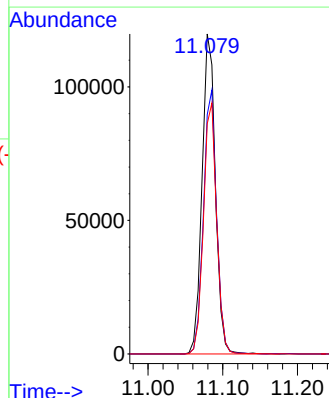
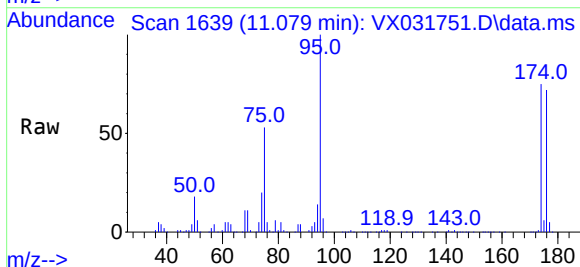
Tgt Ion: 95 Resp: 148191

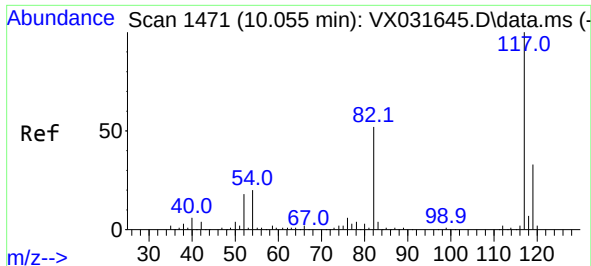
Ion Ratio Lower Upper

95 100

174 81.2 0.0 153.2

176 77.9 0.0 144.0

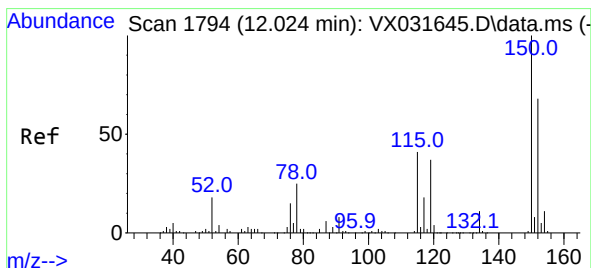
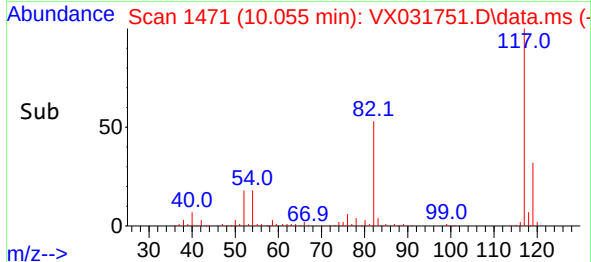
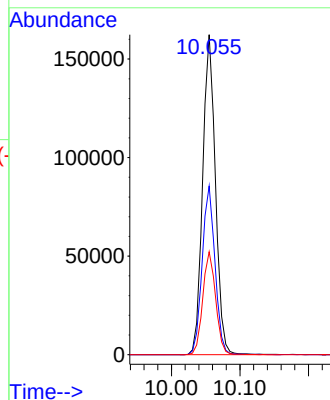
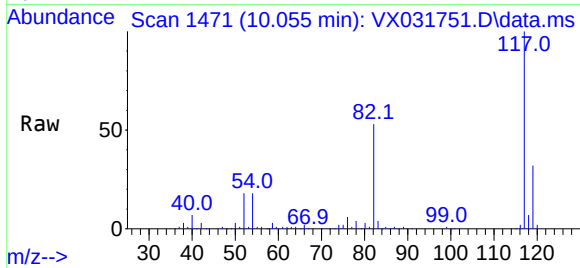




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031751.D
Acq: 29 Sep 2022 01:46

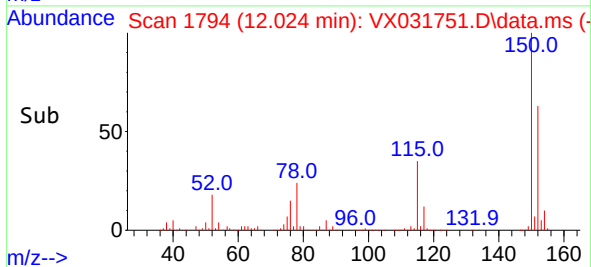
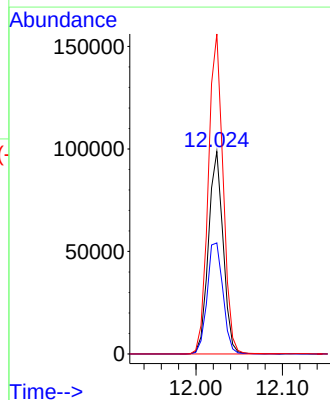
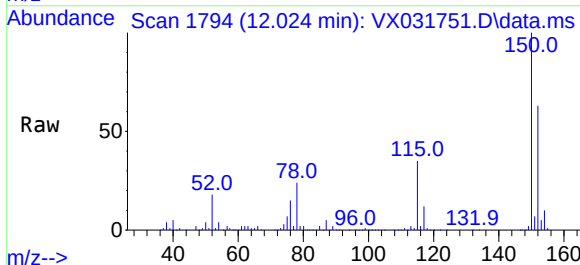
Instrument :
MSVOA_X
ClientSampleId :
MW-6

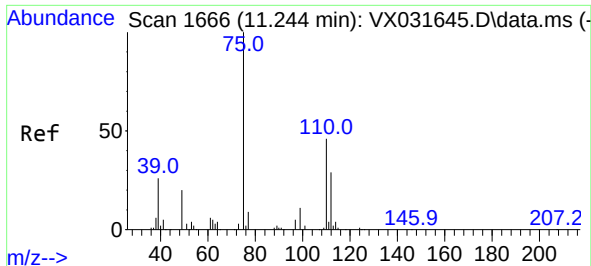
Tgt Ion:117 Resp: 211097
Ion Ratio Lower Upper
117 100
82 52.7 46.8 70.2
119 32.1 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031751.D
Acq: 29 Sep 2022 01:46

Tgt Ion:152 Resp: 116478
Ion Ratio Lower Upper
152 100
115 59.1 43.4 130.1
150 159.3 0.0 346.8

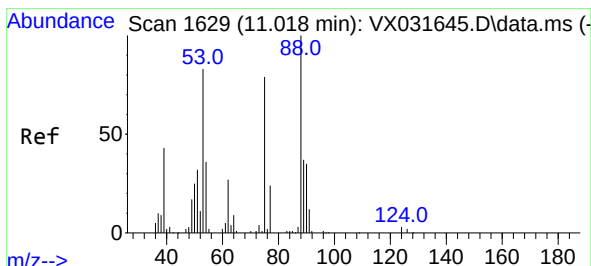
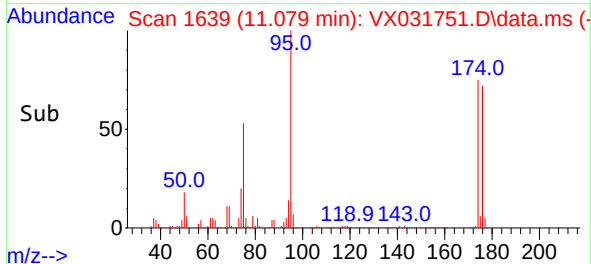
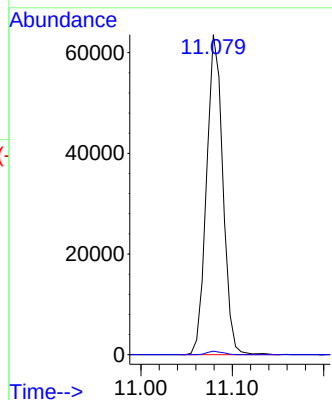
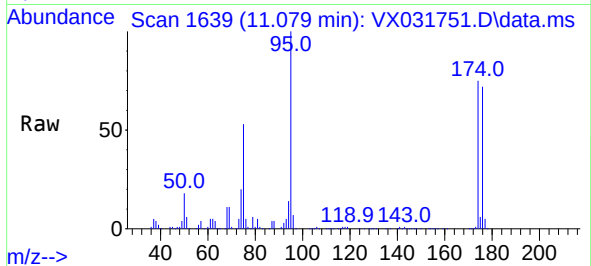




#76
1,2,3-Trichloropropane
Concen: 37.198 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031751.D
Acq: 29 Sep 2022 01:46

Instrument :
MSVOA_X
ClientSampleId :
MW-6

Tgt Ion: 75 Resp: 78547
Ion Ratio Lower Upper
75 100
77 1.0 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.874 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031751.D
Acq: 29 Sep 2022 01:46

Tgt Ion: 75 Resp: 78547
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

