

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092922\
 Data File : VX031797.D
 Acq On : 30 Sep 2022 04:11
 Operator : JC/MD
 Sample : N4864-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Quant Time: Sep 30 06:26:06 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)

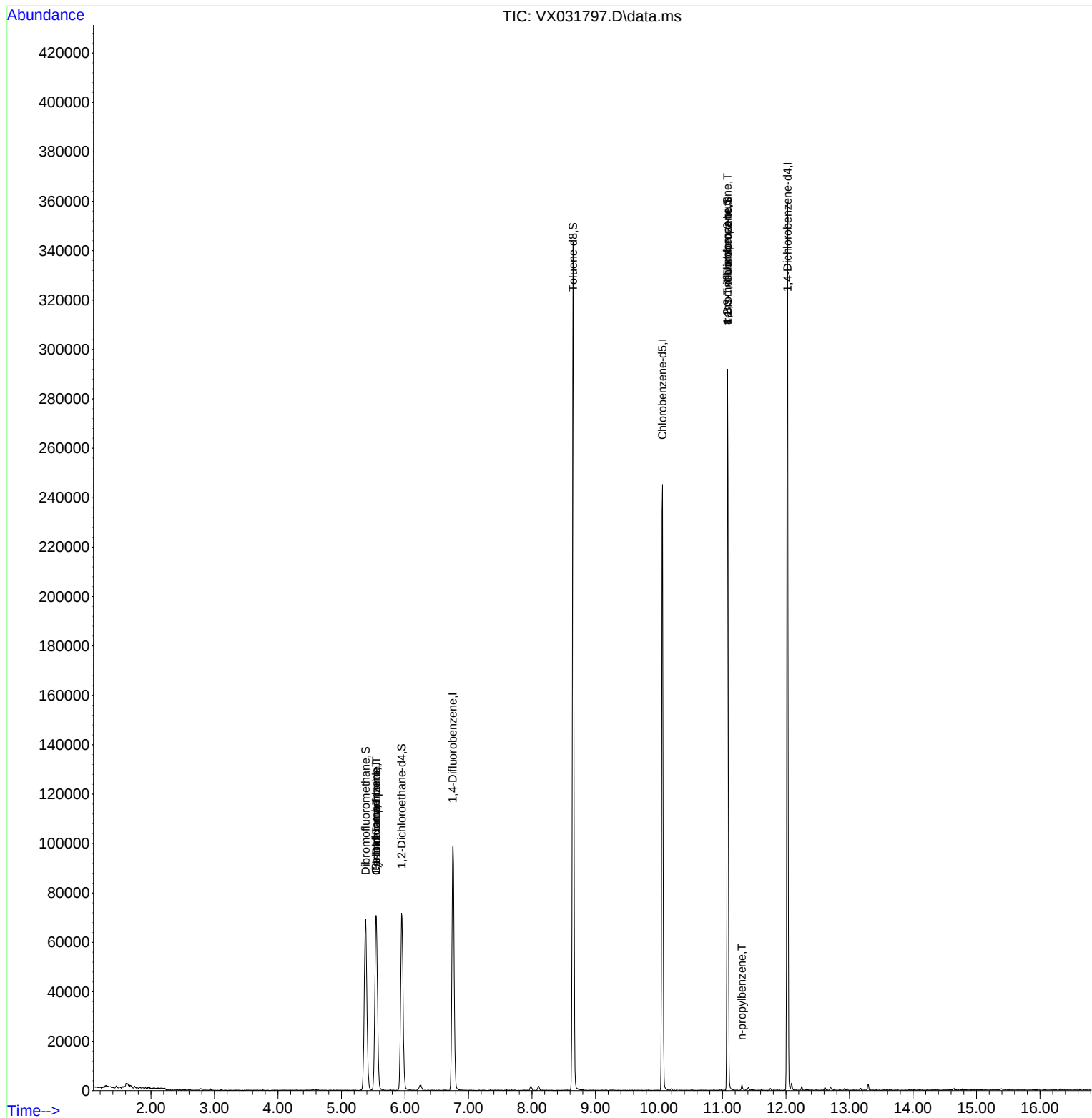
Internal Standards						
1) Pentafluorobenzene	5.544	168	69923	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	109637	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	118262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76697	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	68897	46.425	ug/l	-0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.840%
35) Dibromofluoromethane	5.379	113	59944	45.887	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.780%
50) Toluene-d8	8.647	98	205364	43.362	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	86.720%
62) 4-Bromofluorobenzene	11.079	95	74781	43.080	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.160%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	124	Below Cal	#	41
5) Bromomethane	1.618	94	648	Below Cal		97
6) Chloroethane	1.642	64	24	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	97	Below Cal	#	73
12) 1,1-Dichloroethene	2.185	96	73	Below Cal	#	1
16) Acetone	2.380	43	487	Below Cal	#	45
17) Carbon Disulfide	2.508	76	224	Below Cal	#	75
20) Methylene Chloride	2.782	84	298	Below Cal	#	73
31) Cyclohexane	5.550	56	1674	1.186	ug/l #	7
36) 1,1-Dichloropropene	5.550	75	4833	3.221	ug/l #	51
38) Carbon Tetrachloride	5.550	117	7600	4.495	ug/l #	17
76) 1,2,3-Trichloropropane	11.079	75	38589	27.753	ug/l #	36
78) n-propylbenzene	11.305	91	1661	0.301	ug/l	90
81) trans-1,4-Dichloro-2-b...	11.079	75	38589	91.706	ug/l #	11

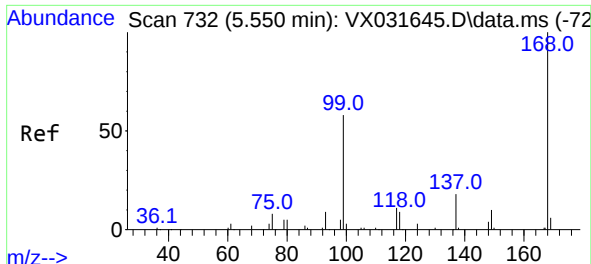
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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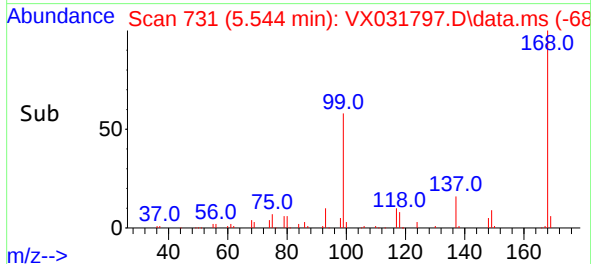
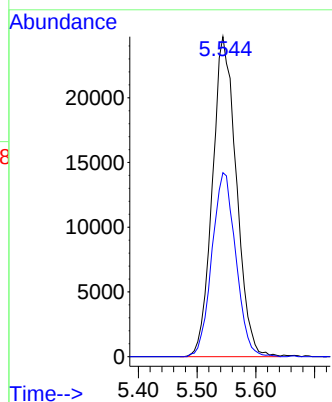
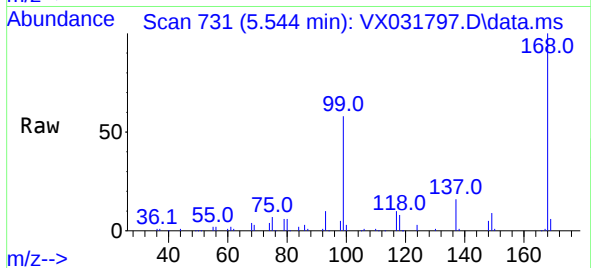




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX031797.D
Acq: 30 Sep 2022 04:11

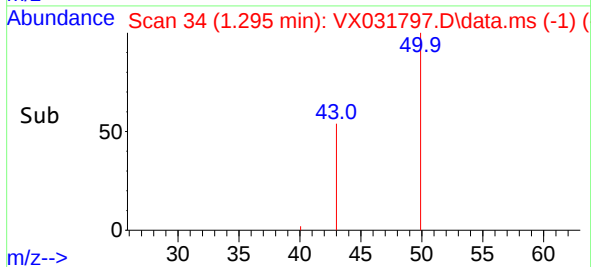
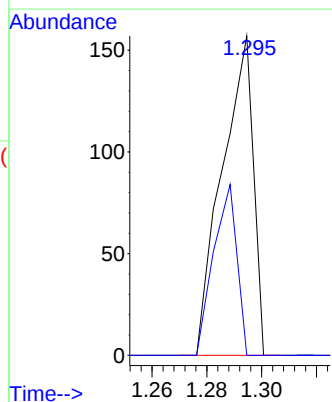
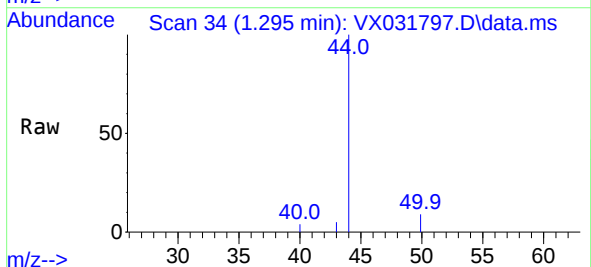
Instrument :
MSVOA_X
ClientSampleId :
MW-5

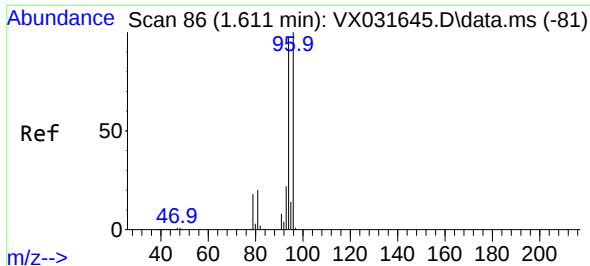
Tgt Ion:168 Resp: 69923
Ion Ratio Lower Upper
168 100
99 57.5 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX031797.D
Acq: 30 Sep 2022 04:11

Tgt Ion: 50 Resp: 124
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

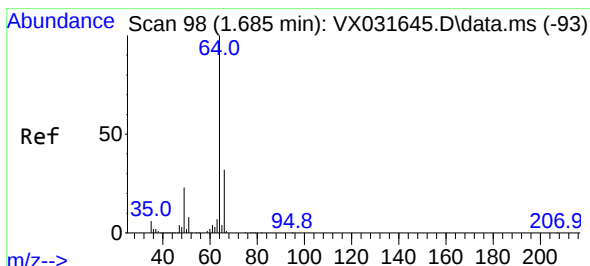
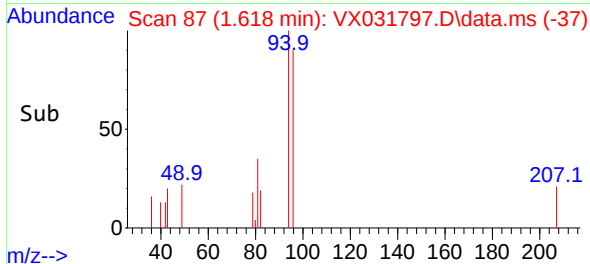
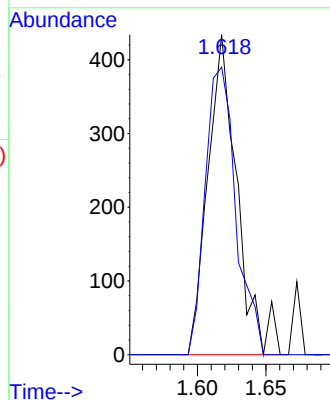
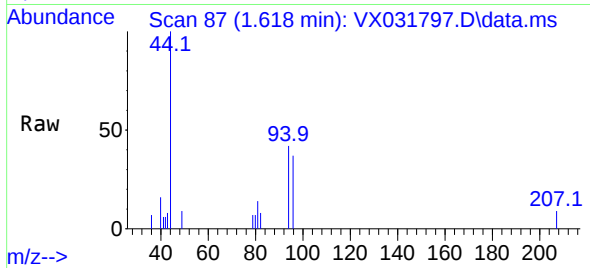




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX031797.D
Acq: 30 Sep 2022 04:11

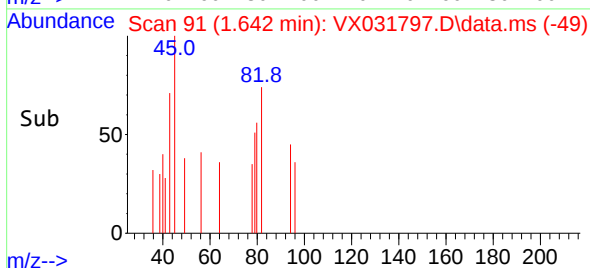
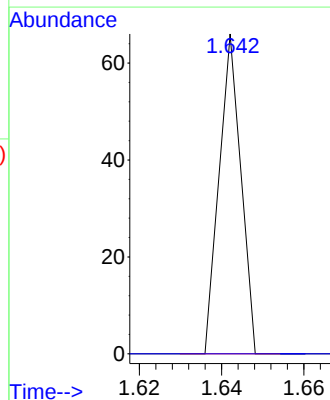
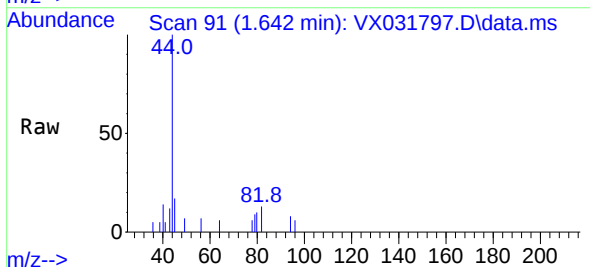
Instrument :
MSVOA_X
ClientSampleId :
MW-5

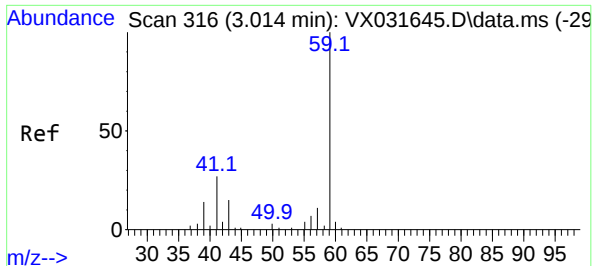
Tgt Ion: 94 Resp: 648
Ion Ratio Lower Upper
94 100
96 89.9 74.4 111.6



#6
Chloroethane
Concen: Below Cal
RT: 1.642 min Scan# 91
Delta R.T. -0.043 min
Lab File: VX031797.D
Acq: 30 Sep 2022 04:11

Tgt Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 30

Delta R.T. -0.036 min

Lab File: VX031797.D

Acq: 30 Sep 2022 04:11

Instrument :

MSVOA_X

ClientSampleId :

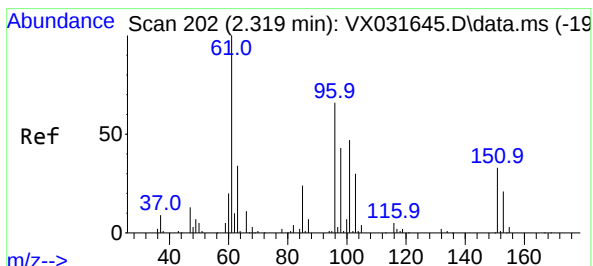
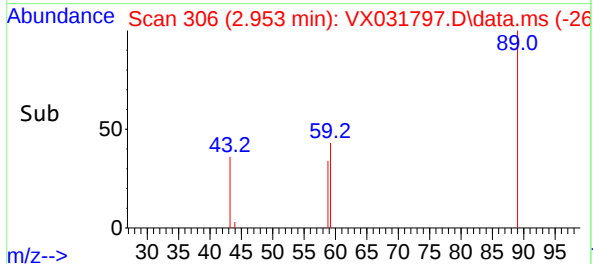
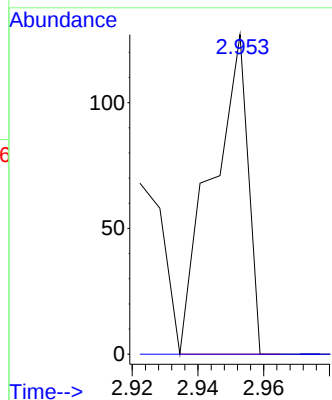
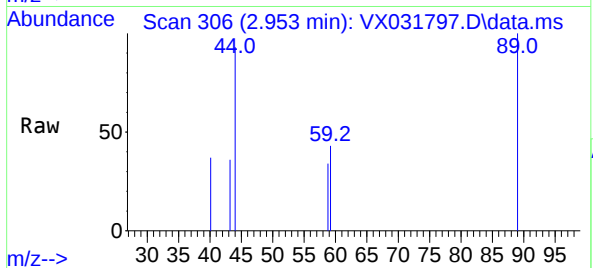
MW-5

Tgt Ion: 59 Resp: 97

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#12

1,1-Dichloroethene

Concen: Below Cal

RT: 2.185 min Scan# 180

Delta R.T. -0.134 min

Lab File: VX031797.D

Acq: 30 Sep 2022 04:11

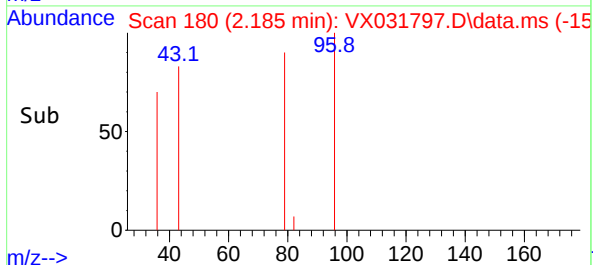
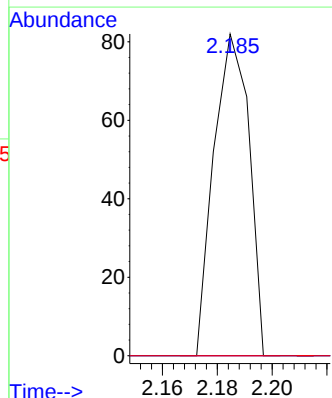
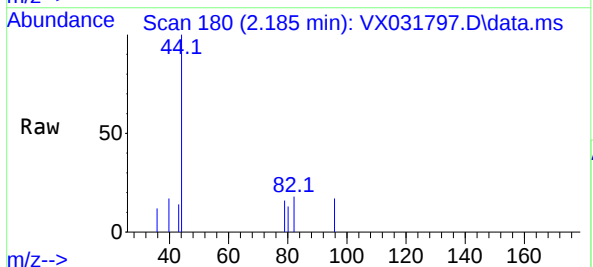
Tgt Ion: 96 Resp: 73

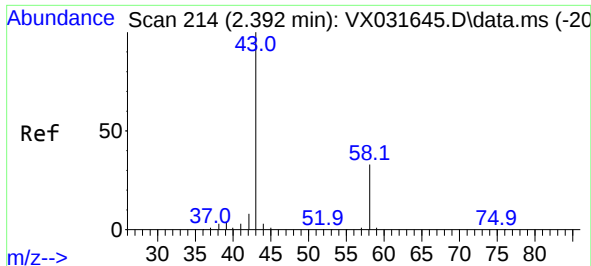
Ion Ratio Lower Upper

96 100

61 0.0 135.3 202.9#

98 0.0 49.4 74.2#

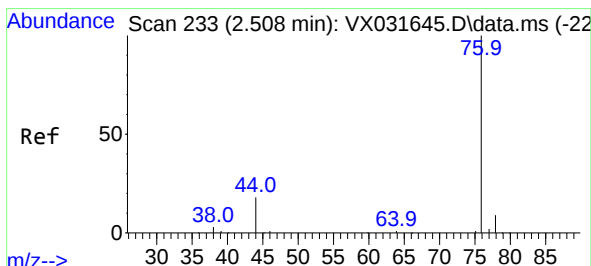
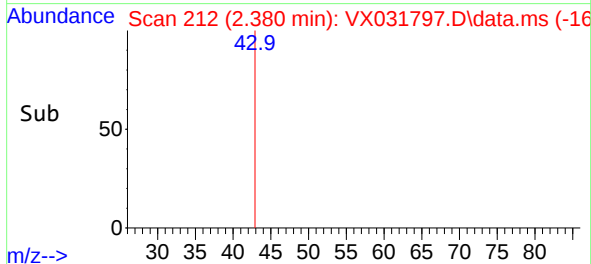
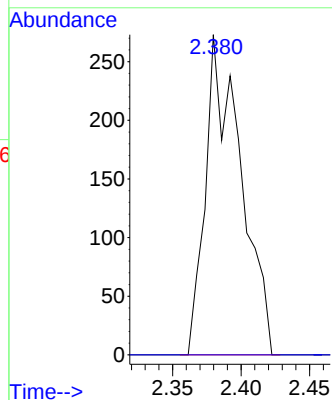
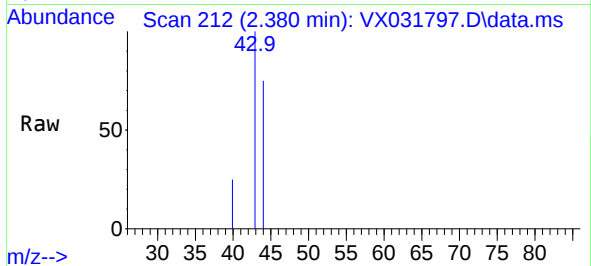




#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX031797.D
Acq: 30 Sep 2022 04:11

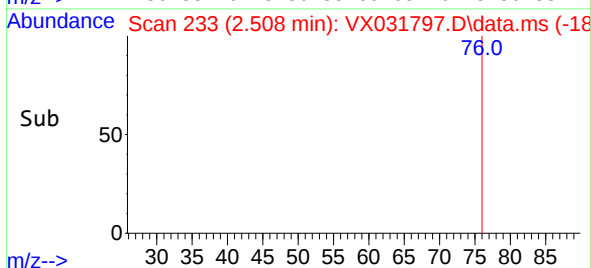
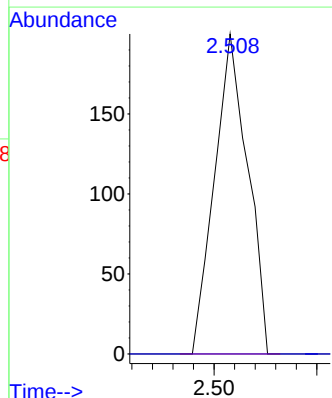
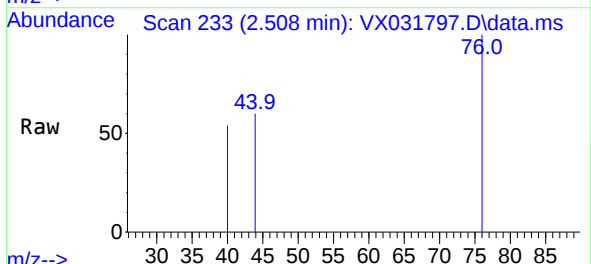
Instrument :
MSVOA_X
ClientSampleId :
MW-5

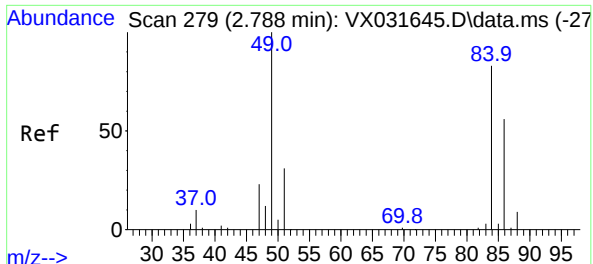
Tgt Ion: 43 Resp: 487
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX031797.D
Acq: 30 Sep 2022 04:11

Tgt Ion: 76 Resp: 224
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX031797.D

Acq: 30 Sep 2022 04:11

Instrument :

MSVOA_X

ClientSampleId :

MW-5

Tgt Ion: 84 Resp: 298

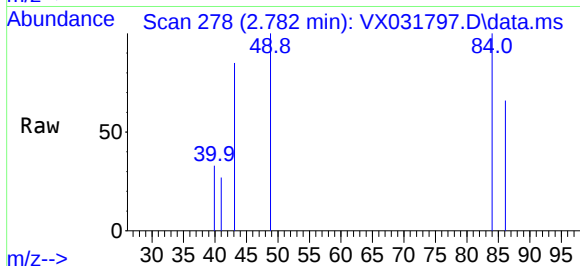
Ion Ratio Lower Upper

84 100

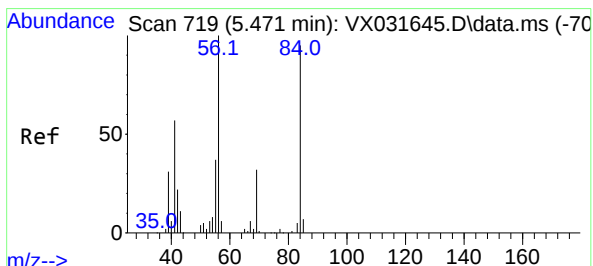
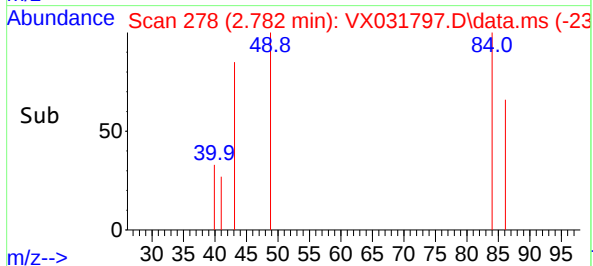
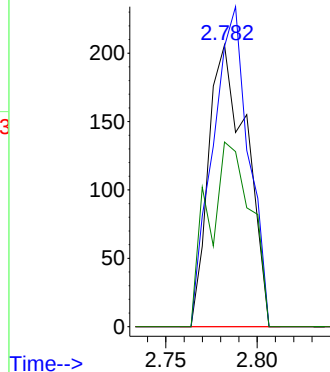
49 99.5 105.9 158.9#

51 0.0 32.2 48.2#

86 65.5 50.8 76.2



Abundance



#31

Cyclohexane

Concen: 1.186 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX031797.D

Acq: 30 Sep 2022 04:11

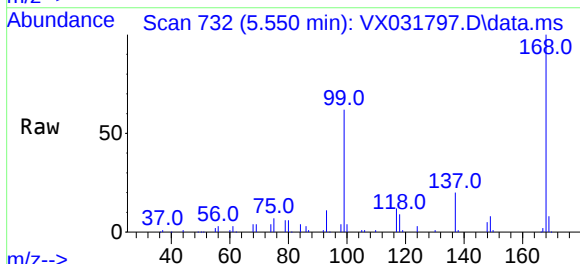
Tgt Ion: 56 Resp: 1674

Ion Ratio Lower Upper

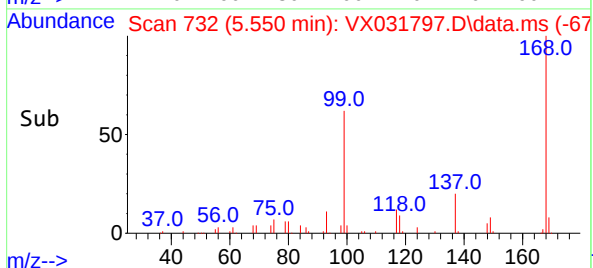
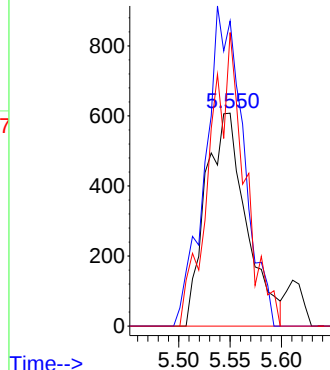
56 100

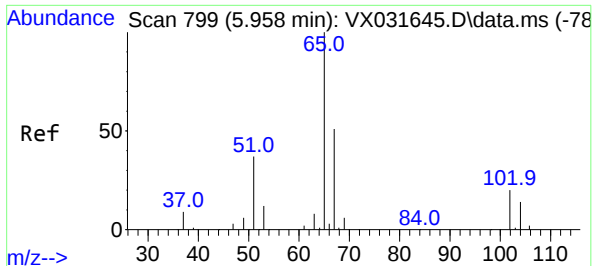
69 143.3 25.1 37.7#

84 137.8 70.2 105.4#



Abundance





#33

1,2-Dichloroethane-d4

Concen: 46.425 ug/l

RT: 5.946 min Scan# 799

Delta R.T. -0.012 min

Lab File: VX031797.D

Acq: 30 Sep 2022 04:11

Instrument :

MSVOA_X

ClientSampleId :

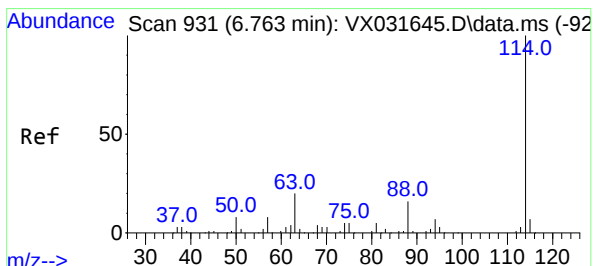
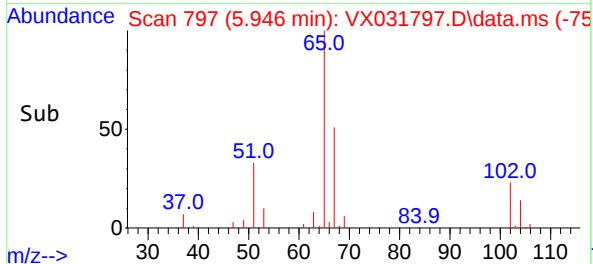
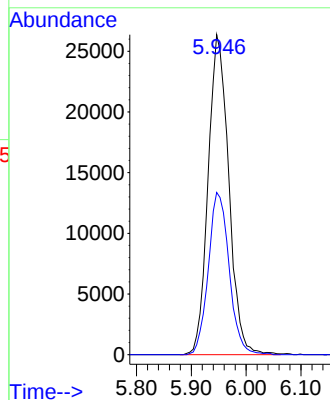
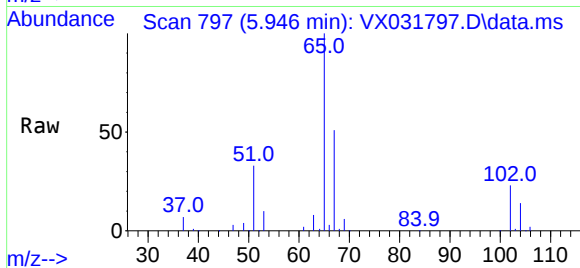
MW-5

Tgt Ion: 65 Resp: 68897

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.012 min

Lab File: VX031797.D

Acq: 30 Sep 2022 04:11

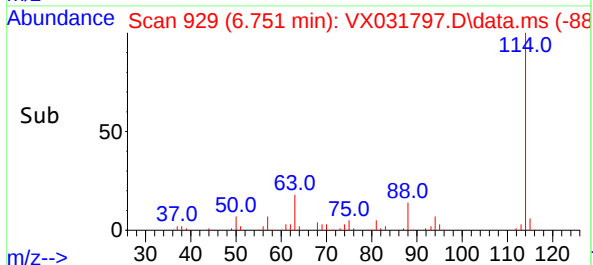
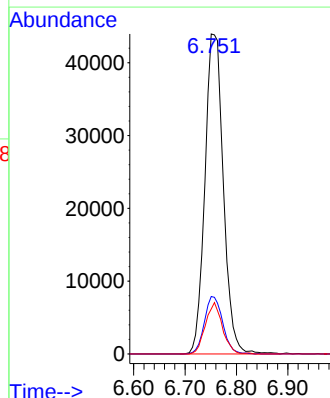
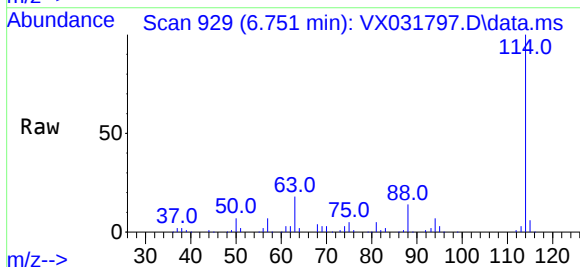
Tgt Ion: 114 Resp: 109637

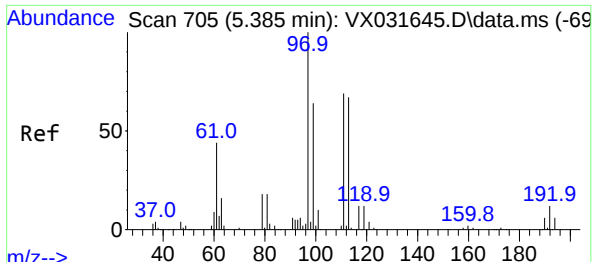
Ion Ratio Lower Upper

114 100

63 18.0 0.0 42.6

88 14.0 0.0 33.0

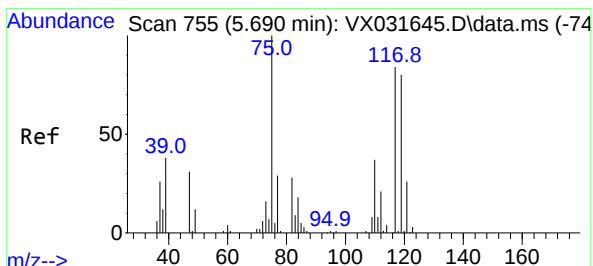
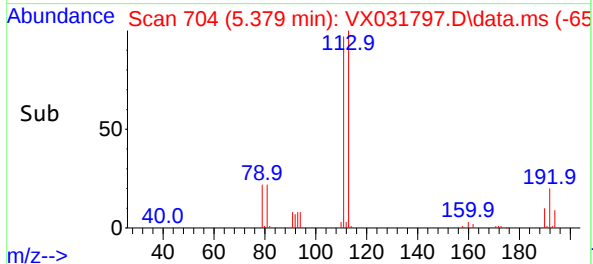
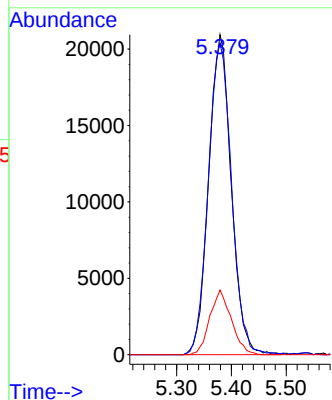
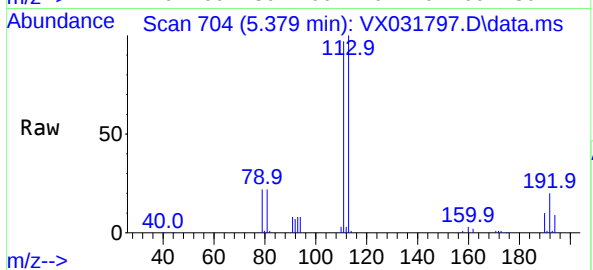




#35
Dibromofluoromethane
Concen: 45.887 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.012 min
Lab File: VX031797.D
Acq: 30 Sep 2022 04:11

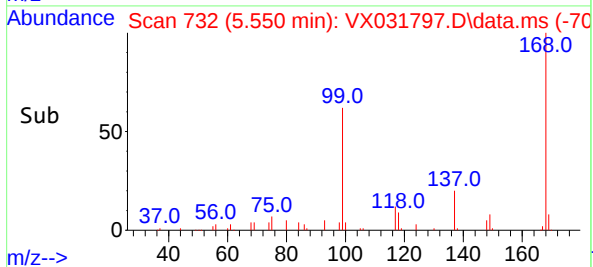
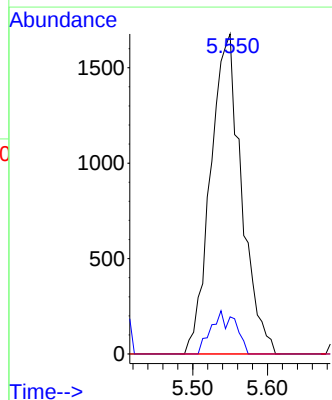
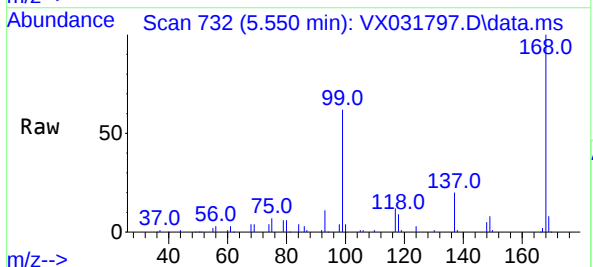
Instrument :
MSVOA_X
ClientSampleId :
MW-5

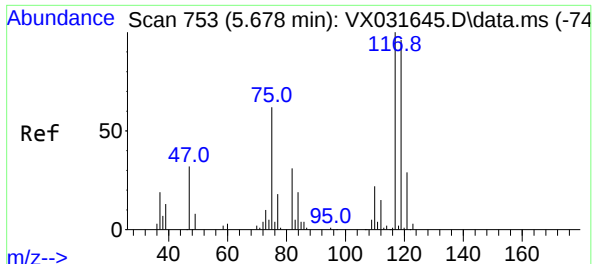
Tgt Ion:113 Resp: 59944
Ion Ratio Lower Upper
113 100
111 100.4 82.4 123.6
192 19.2 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.221 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX031797.D
Acq: 30 Sep 2022 04:11

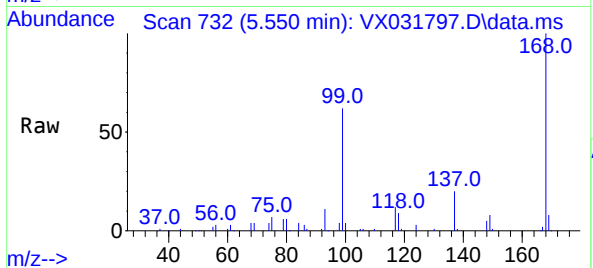
Tgt Ion: 75 Resp: 4833
Ion Ratio Lower Upper
75 100
110 10.6 17.5 52.5#
77 0.0 24.9 37.3#



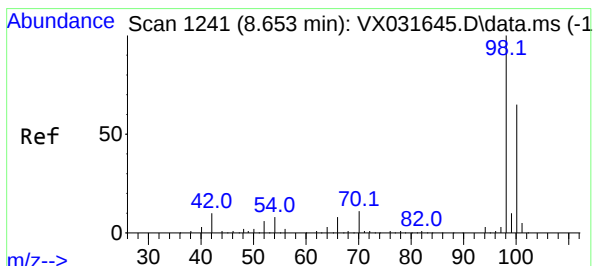
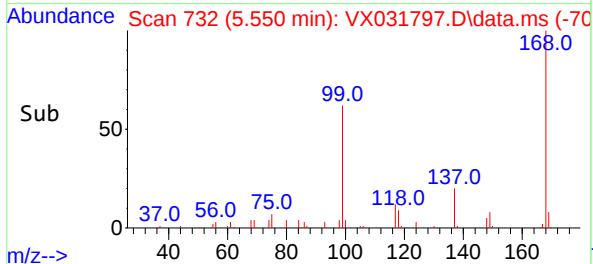
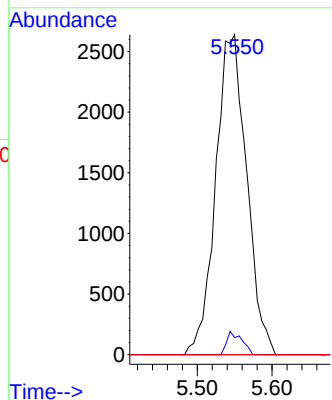


#38
Carbon Tetrachloride
Concen: 4.495 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031797.D
Acq: 30 Sep 2022 04:11

Instrument :
MSVOA_X
ClientSampleId :
MW-5

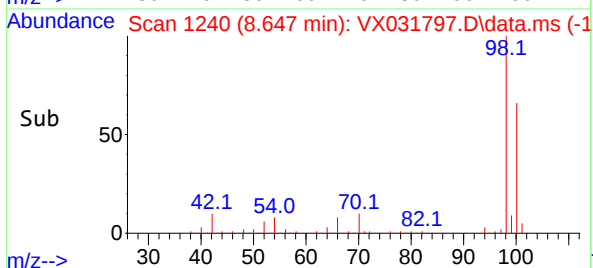
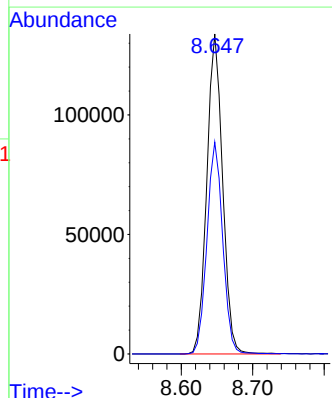
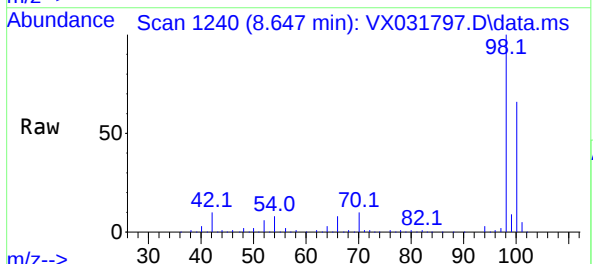


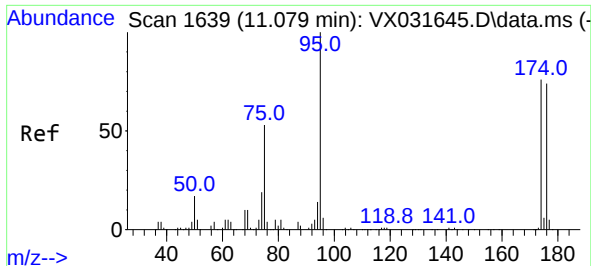
Tgt Ion:117 Resp: 7600
Ion Ratio Lower Upper
117 100
119 5.4 74.6 112.0#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 43.362 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031797.D
Acq: 30 Sep 2022 04:11

Tgt Ion: 98 Resp: 205364
Ion Ratio Lower Upper
98 100
100 66.2 52.5 78.7

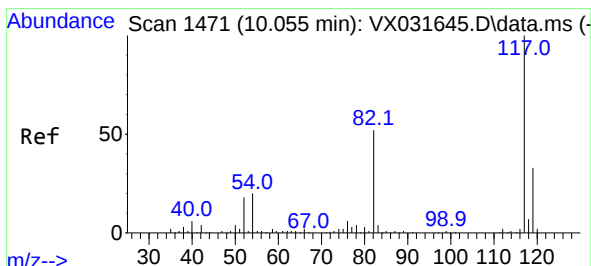
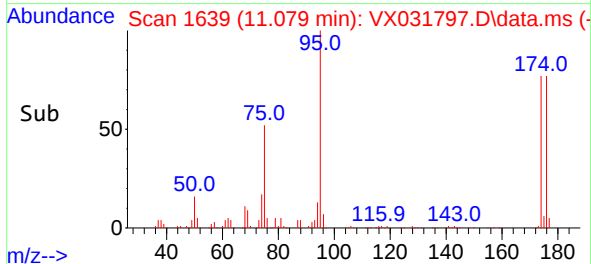
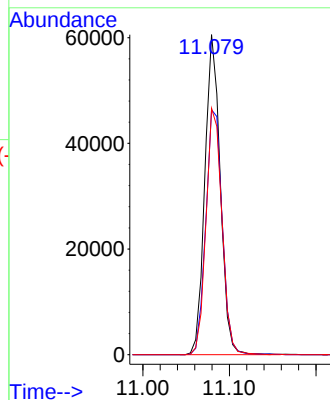
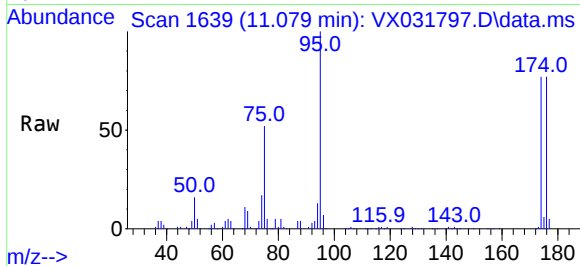




#62
4-Bromofluorobenzene
Concen: 43.080 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031797.D
Acq: 30 Sep 2022 04:11

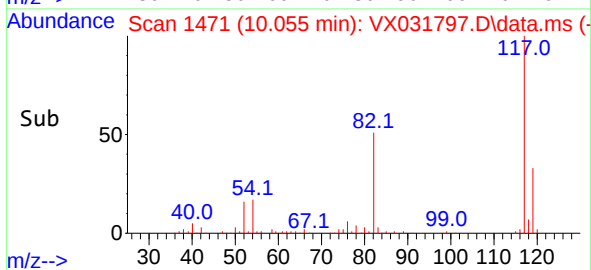
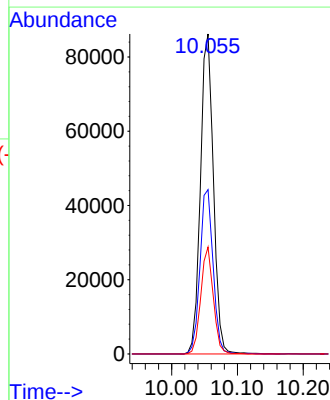
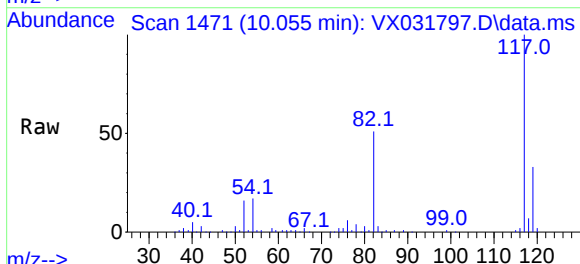
Instrument :
MSVOA_X
ClientSampleId :
MW-5

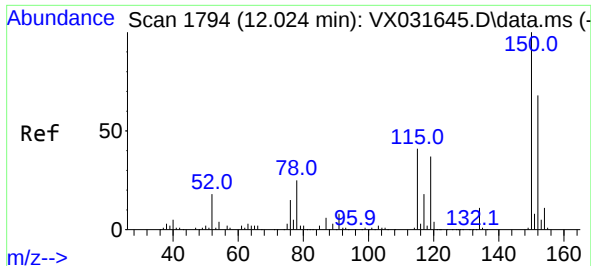
Tgt Ion: 95 Resp: 74781
Ion Ratio Lower Upper
95 100
174 81.7 0.0 153.2
176 79.8 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031797.D
Acq: 30 Sep 2022 04:11

Tgt Ion: 117 Resp: 118262
Ion Ratio Lower Upper
117 100
82 51.4 46.8 70.2
119 33.4 26.4 39.6

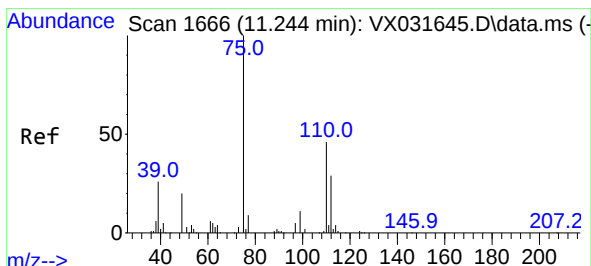
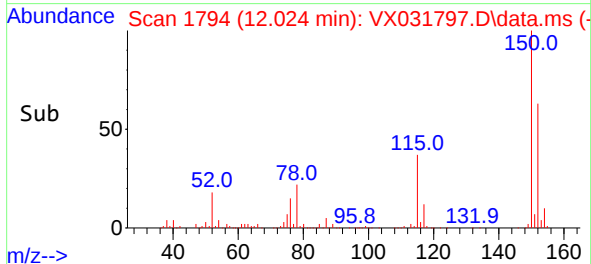
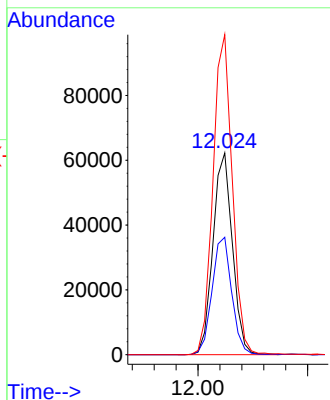
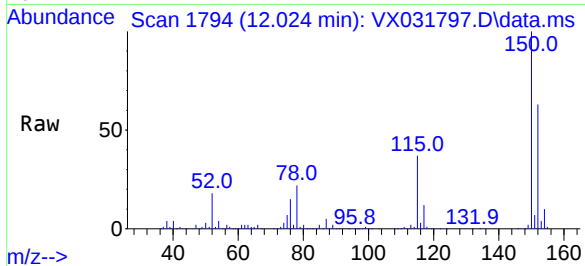




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031797.D
Acq: 30 Sep 2022 04:11

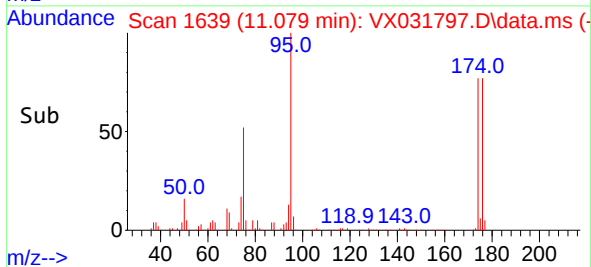
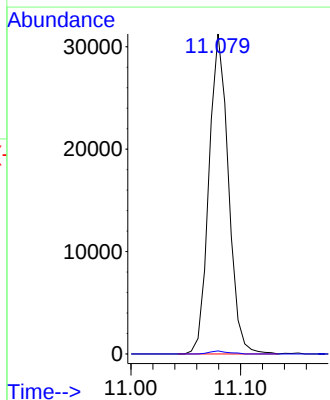
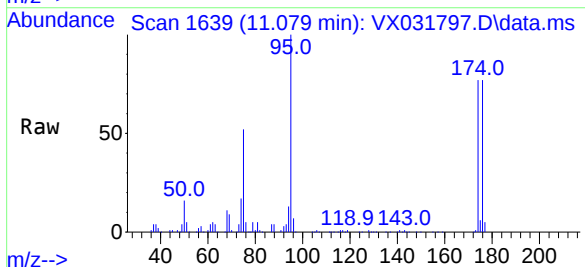
Instrument :
MSVOA_X
ClientSampleId :
MW-5

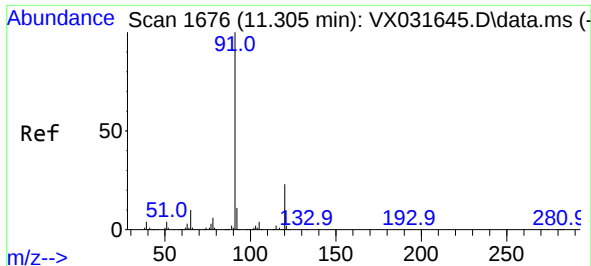
Tgt Ion:152 Resp: 76697
Ion Ratio Lower Upper
152 100
115 59.1 43.4 130.1
150 157.6 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 27.753 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031797.D
Acq: 30 Sep 2022 04:11

Tgt Ion: 75 Resp: 38589
Ion Ratio Lower Upper
75 100
77 0.9 20.3 60.9#

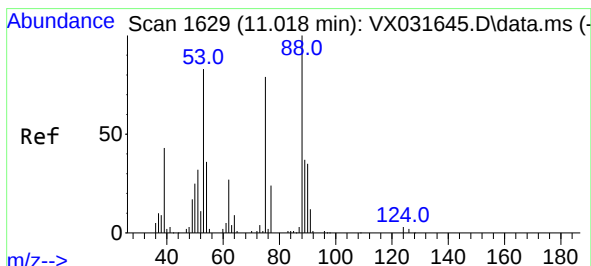
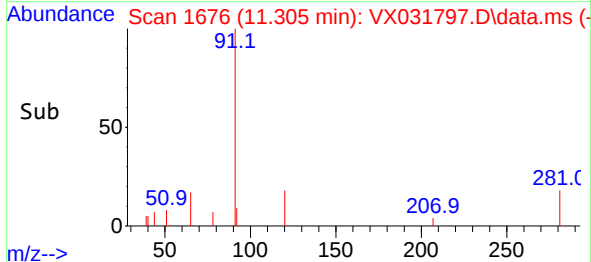
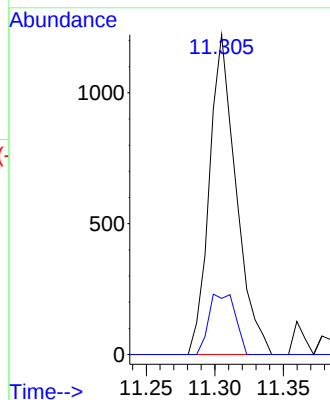
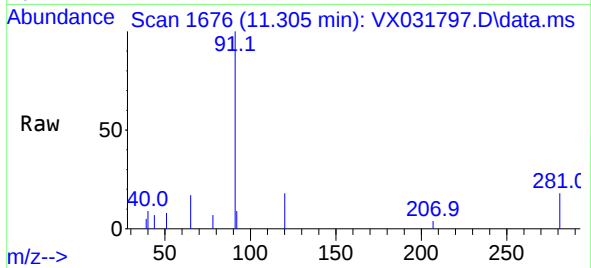




#78
n-propylbenzene
Concen: 0.301 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX031797.D
Acq: 30 Sep 2022 04:11

Instrument :
MSVOA_X
ClientSampleId :
MW-5

Tgt Ion: 91 Resp: 1661
Ion Ratio Lower Upper
91 100
120 18.8 11.8 35.4



#81
trans-1,4-Dichloro-2-butene
Concen: 91.706 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031797.D
Acq: 30 Sep 2022 04:11

Tgt Ion: 75 Resp: 38589
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

