

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092822\
 Data File : VX031745.D
 Acq On : 28 Sep 2022 23:26
 Operator : JC/MD
 Sample : N4863-06 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7DL

Quant Time: Sep 29 04:35:56 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)

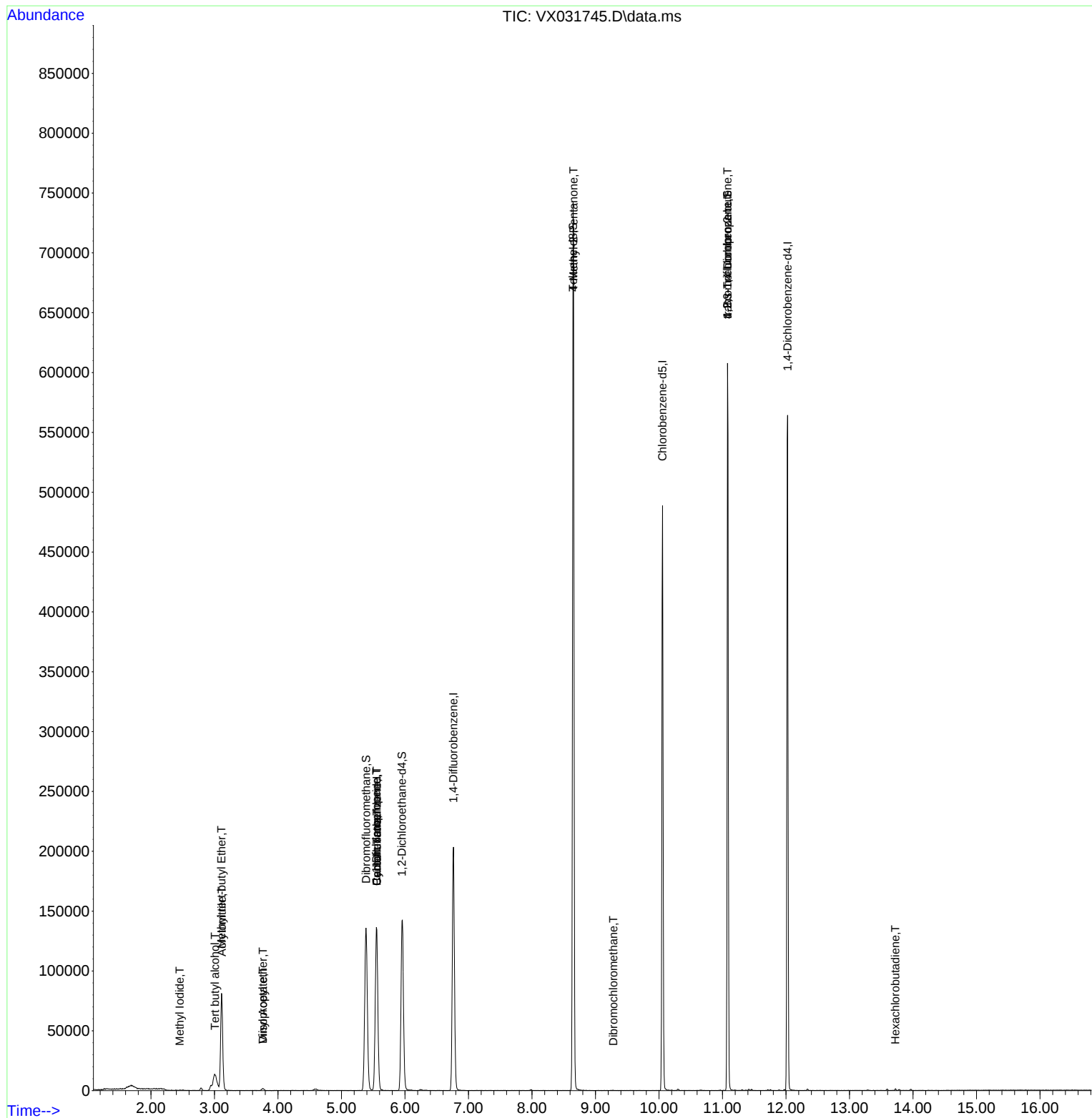
Internal Standards						
1) Pentafluorobenzene	5.556	168	129344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	212924	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	138818	50.567	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.140%
35) Dibromofluoromethane	5.385	113	115054	45.350	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.700%
50) Toluene-d8	8.647	98	443616	48.231	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.460%
62) 4-Bromofluorobenzene	11.079	95	151792	45.027	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.060%
Target Compounds						
						Qvalue
3) Chloromethane	1.288	50	156	Below Cal	#	41
5) Bromomethane	1.618	94	584	Below Cal		100
6) Chloroethane	1.715	64	19	Below Cal	#	43
7) Trichlorofluoromethane	1.880	101	95	Below Cal	#	18
10) Methyl Iodide	2.453	142	448	0.266	ug/l #	79
11) Tert butyl alcohol	3.008	59	30228	64.175	ug/l	98
12) 1,1-Dichloroethene	2.319	96	39	Below Cal	#	1
13) Acrolein	2.111	56	23	Below Cal	#	15
15) Acrylonitrile	3.117	53	1310	1.375	ug/l #	25
16) Acetone	2.392	43	315	Below Cal		90
17) Carbon Disulfide	2.508	76	605	Below Cal	#	75
19) Methyl tert-butyl Ether	3.111	73	89899	14.723	ug/l	94
20) Methylene Chloride	2.800	84	1071	Below Cal	#	54
22) Diisopropyl ether	3.764	45	1726	0.296	ug/l	90
23) Vinyl Acetate	3.764	43	1202	0.261	ug/l #	71
31) Cyclohexane	5.556	56	2955	1.132	ug/l #	27
36) 1,1-Dichloropropene	5.550	75	10052	3.450	ug/l #	51
38) Carbon Tetrachloride	5.556	117	13432	4.091	ug/l #	17
51) 4-Methyl-2-Pentanone	8.653	43	1800	0.615	ug/l #	1
60) Dibromochloromethane	9.281	129	22	1.547	ug/l #	11
76) 1,2,3-Trichloropropane	11.079	75	81880	38.436	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	81880	125.832	ug/l #	11
94) Hexachlorobutadiene	13.719	225	326	0.381	ug/l #	67

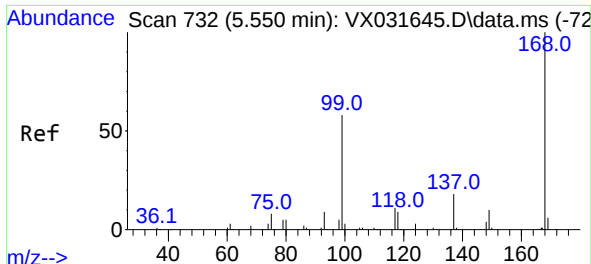
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

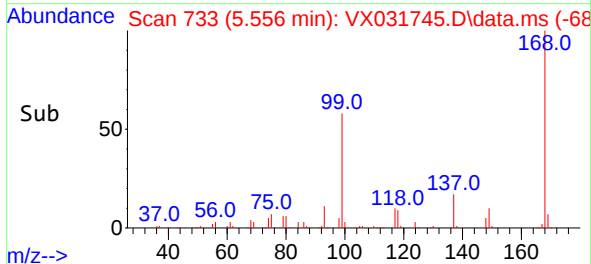
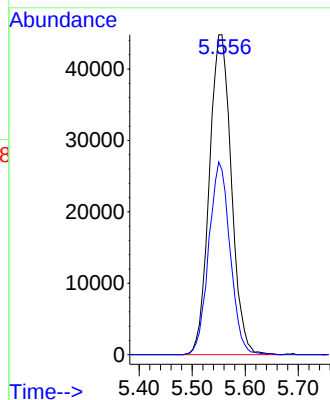
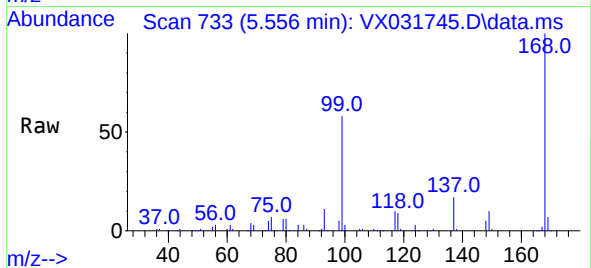




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

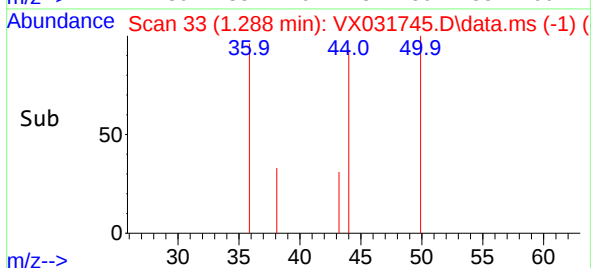
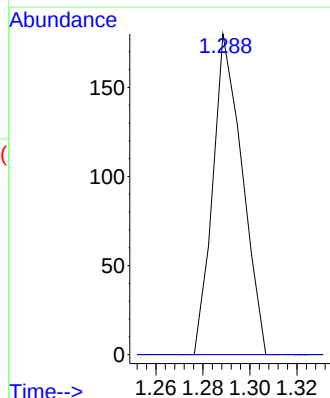
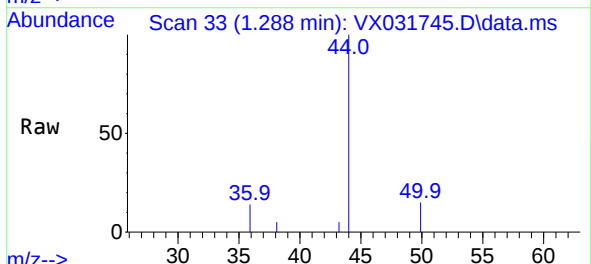
Instrument :
MSVOA_X
ClientSampleId :
MW-7DL

Tgt Ion:168 Resp: 129344
Ion Ratio Lower Upper
168 100
99 57.7 48.8 73.2

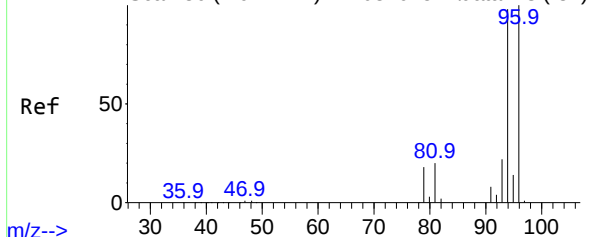


#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

Tgt Ion: 50 Resp: 156
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#



Abundance Scan 86 (1.611 min): VX031645.D\data.ms (-81)



#5

Bromomethane

Concen: Below Cal

RT: 1.618 min Scan# 81

Delta R.T. 0.007 min

Lab File: VX031745.D

Acq: 28 Sep 2022 23:26

Instrument :

MSVOA_X

ClientSampleId :

MW-7DL

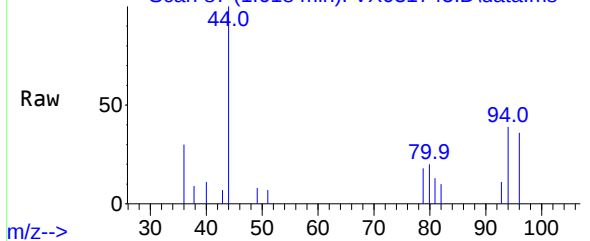
Tgt Ion: 94 Resp: 584

Ion Ratio Lower Upper

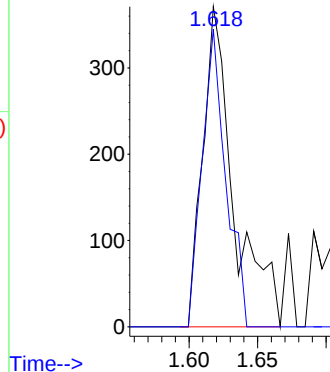
94 100

96 93.0 74.4 111.6

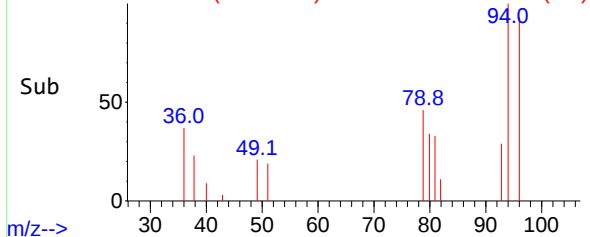
Abundance Scan 87 (1.618 min): VX031745.D\data.ms



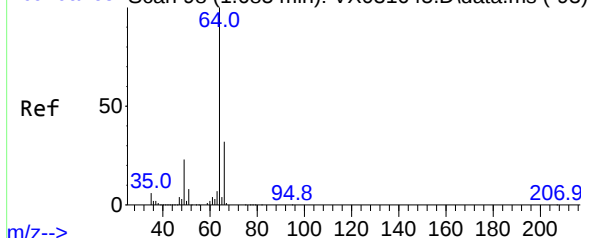
Abundance



Abundance Scan 87 (1.618 min): VX031745.D\data.ms (-37)



Abundance Scan 98 (1.685 min): VX031645.D\data.ms (-93)



#6

Chloroethane

Concen: Below Cal

RT: 1.715 min Scan# 103

Delta R.T. 0.030 min

Lab File: VX031745.D

Acq: 28 Sep 2022 23:26

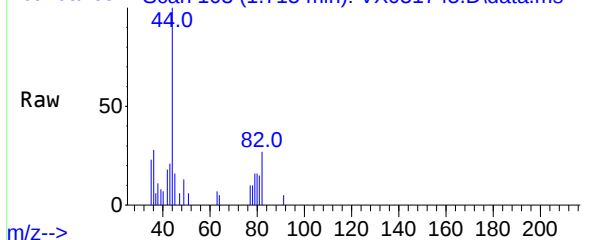
Tgt Ion: 64 Resp: 19

Ion Ratio Lower Upper

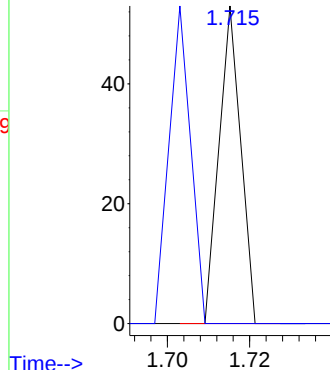
64 100

66 0.0 25.0 37.4#

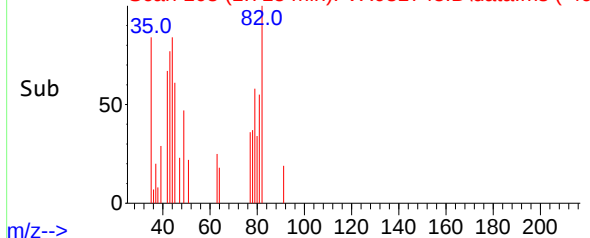
Abundance Scan 103 (1.715 min): VX031745.D\data.ms

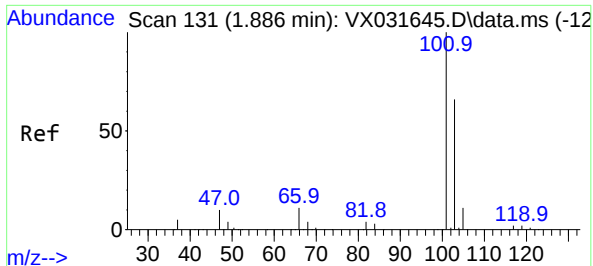


Abundance



Abundance Scan 103 (1.715 min): VX031745.D\data.ms (-49)

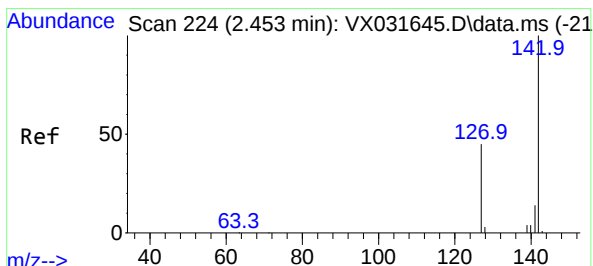
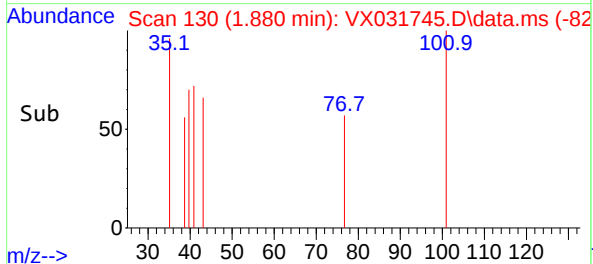
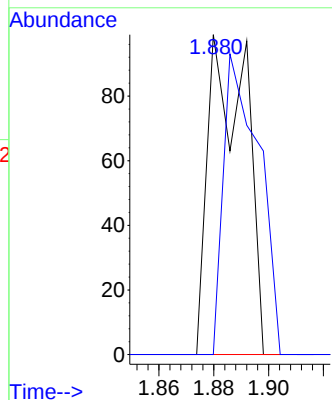
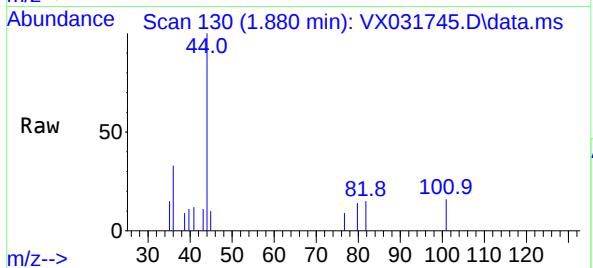




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 1.880 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

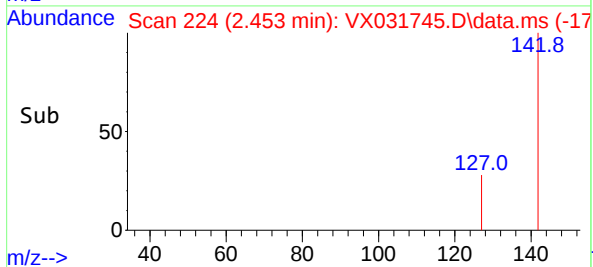
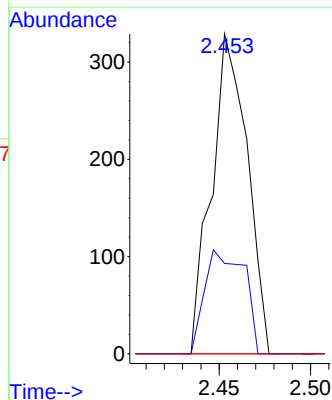
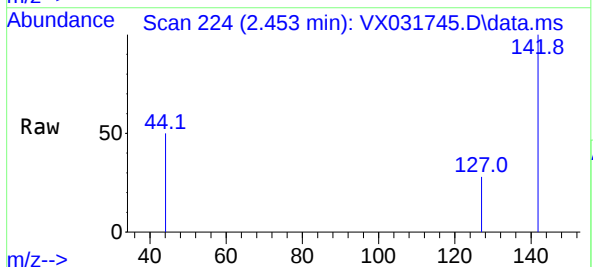
Instrument :
MSVOA_X
ClientSampleId :
MW-7DL

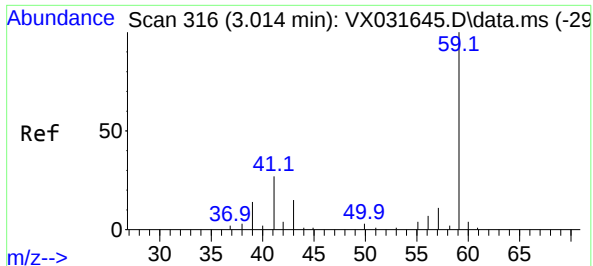
Tgt Ion:101 Resp: 95
Ion Ratio Lower Upper
101 100
103 0.0 51.8 77.6#



#10
Methyl Iodide
Concen: 0.266 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

Tgt Ion:142 Resp: 448
Ion Ratio Lower Upper
142 100
127 35.7 37.4 56.0#
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 64.175 ug/l

RT: 3.008 min Scan# 31

Delta R.T. 0.019 min

Lab File: VX031745.D

Acq: 28 Sep 2022 23:26

Instrument :

MSVOA_X

ClientSampleId :

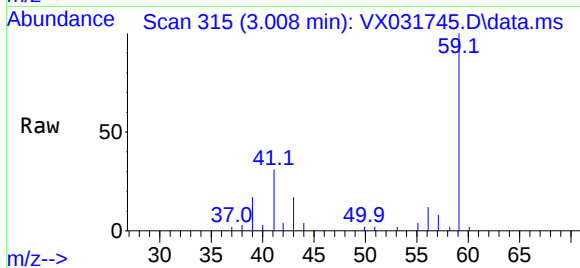
MW-7DL

Tgt Ion: 59 Resp: 30228

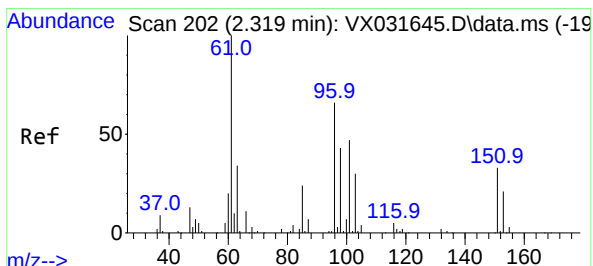
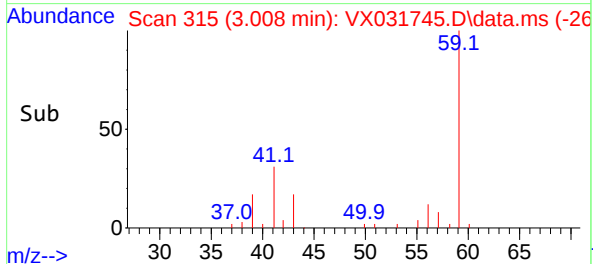
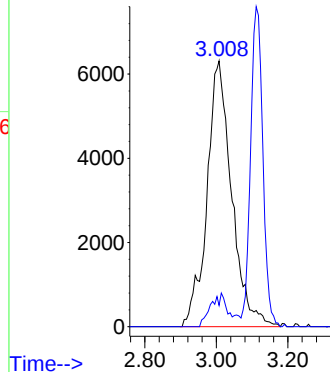
Ion Ratio Lower Upper

59 100

57 9.3 8.2 12.2



Abundance



#12

1,1-Dichloroethene

Concen: Below Cal

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX031745.D

Acq: 28 Sep 2022 23:26

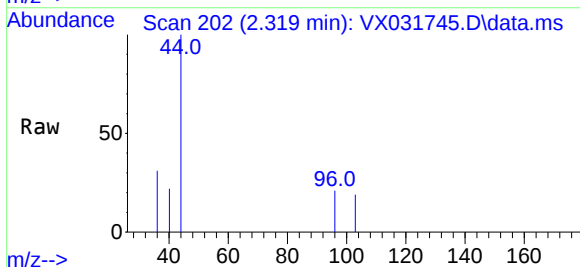
Tgt Ion: 96 Resp: 39

Ion Ratio Lower Upper

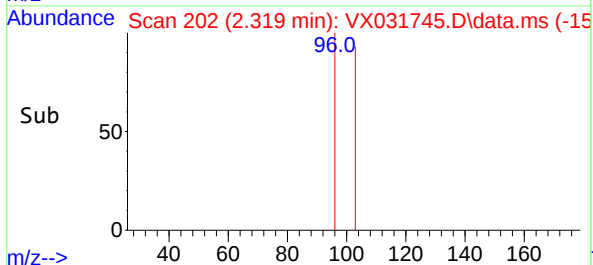
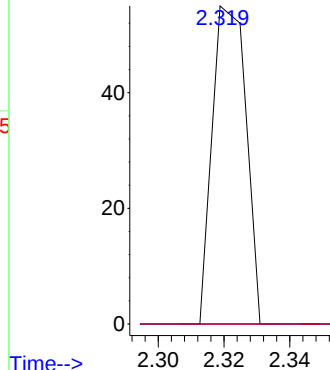
96 100

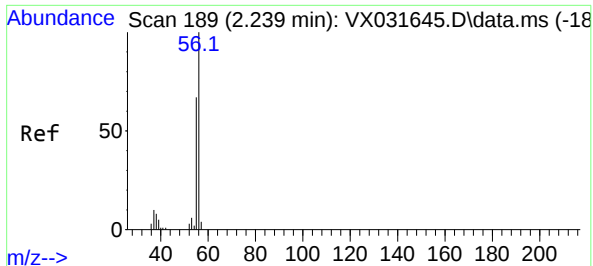
61 0.0 135.3 202.9#

98 0.0 49.4 74.2#



Abundance





#13

Acrolein

Concen: Below Cal

RT: 2.111 min Scan# 1

Delta R.T. -0.128 min

Lab File: VX031745.D

Acq: 28 Sep 2022 23:26

Instrument :

MSVOA_X

ClientSampleId :

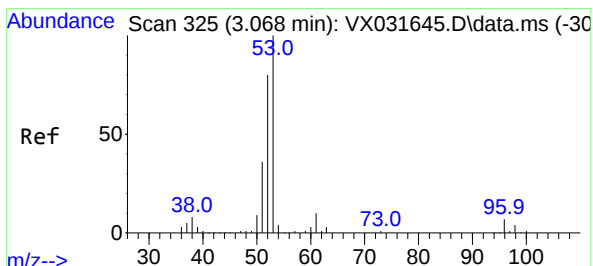
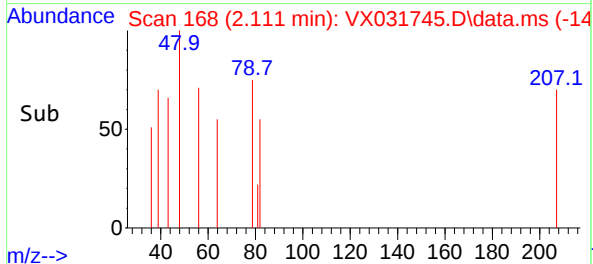
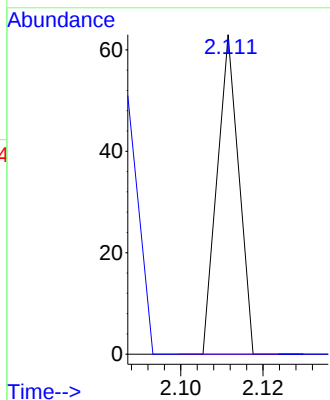
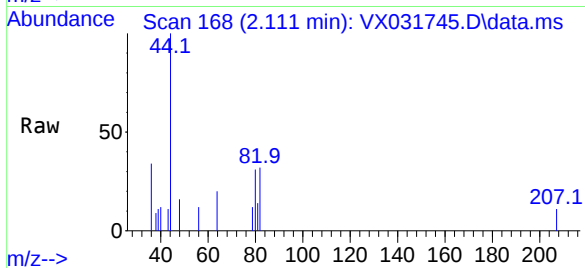
MW-7DL

Tgt Ion: 56 Resp: 23

Ion Ratio Lower Upper

56 100

55 0.0 56.0 84.0#



#15

Acrylonitrile

Concen: 1.375 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.048 min

Lab File: VX031745.D

Acq: 28 Sep 2022 23:26

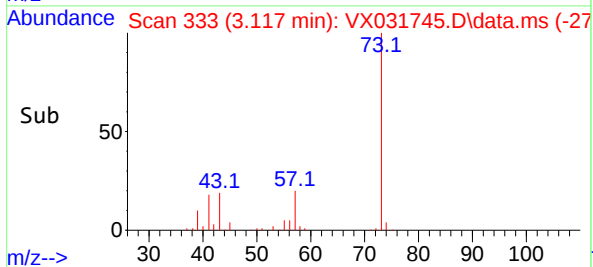
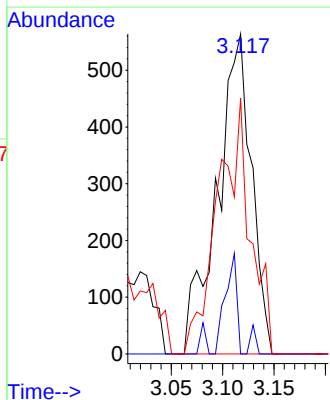
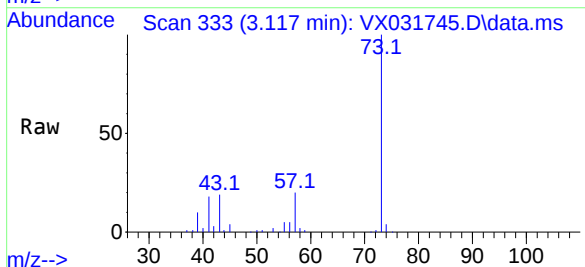
Tgt Ion: 53 Resp: 1310

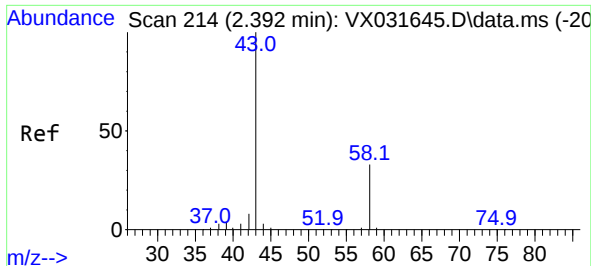
Ion Ratio Lower Upper

53 100

52 10.5 66.9 100.3#

51 75.6 30.0 45.0#

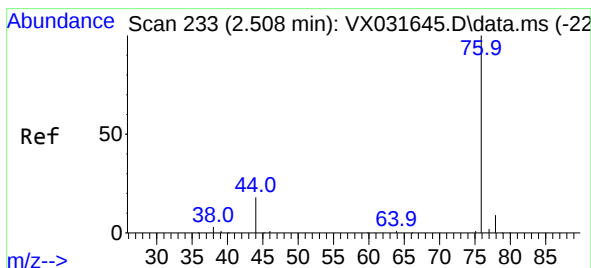
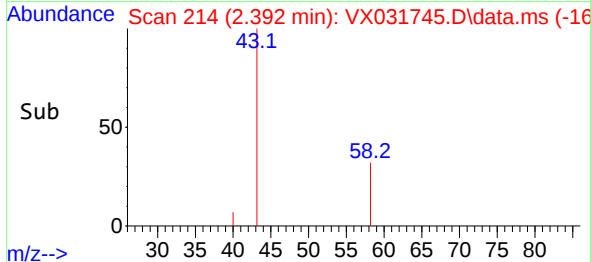
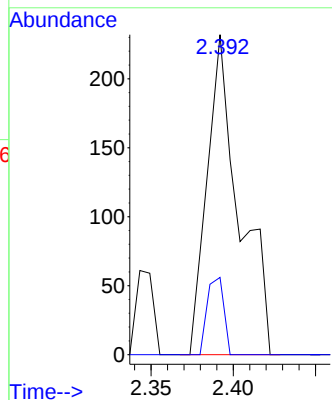
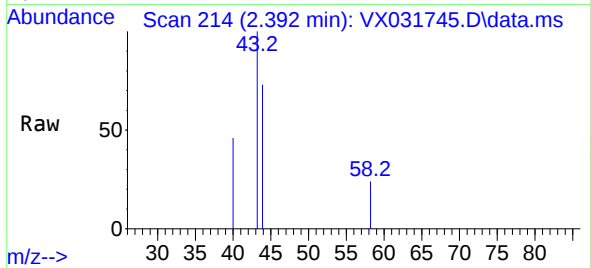




#16
Acetone
Concen: Below Cal
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

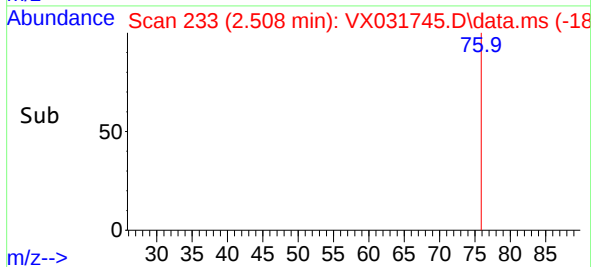
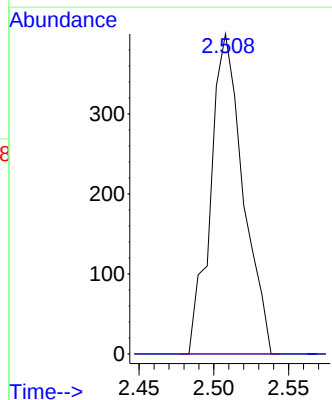
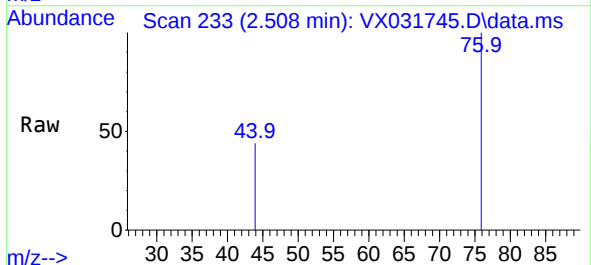
Instrument :
MSVOA_X
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MW-7DL

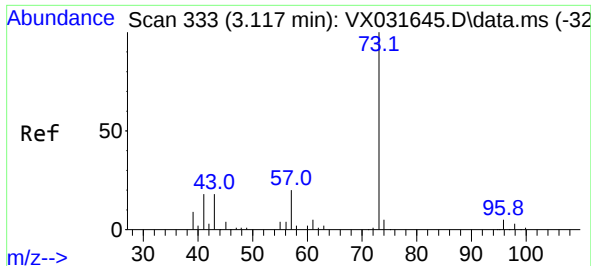
Tgt Ion: 43 Resp: 315
Ion Ratio Lower Upper
43 100
58 24.1 23.8 35.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

Tgt Ion: 76 Resp: 605
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

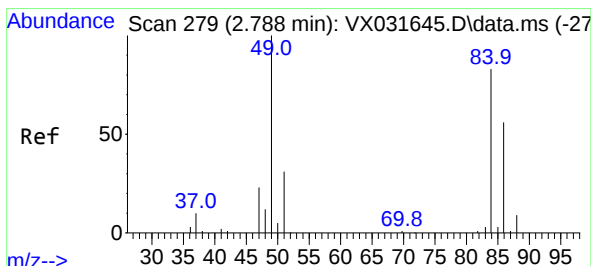
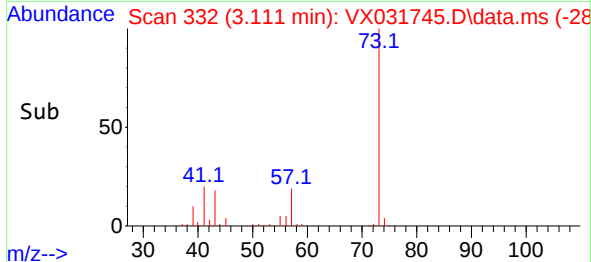
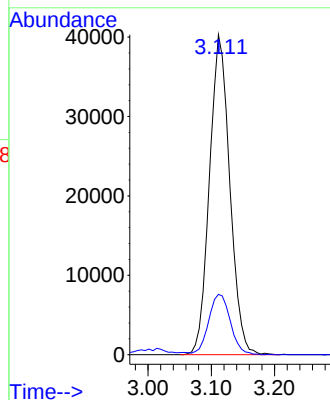
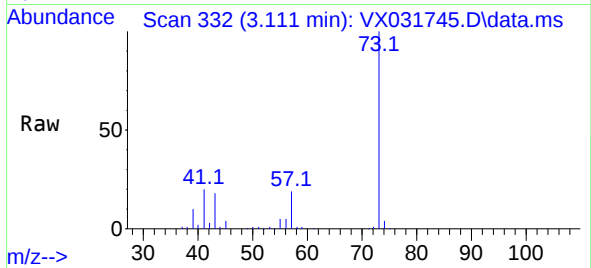




#19
Methyl tert-butyl Ether
Concen: 14.723 ug/l
RT: 3.111 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

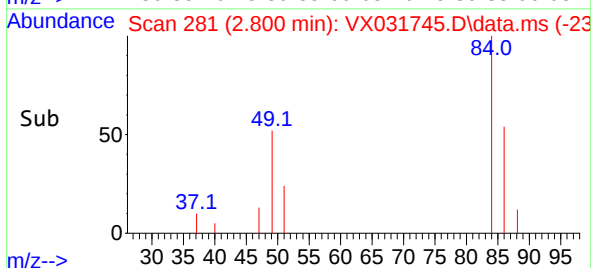
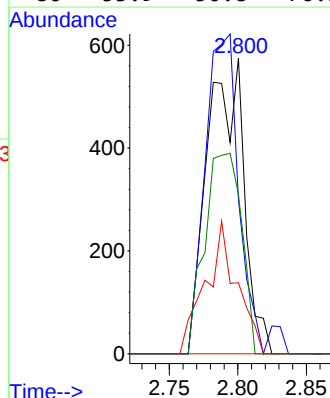
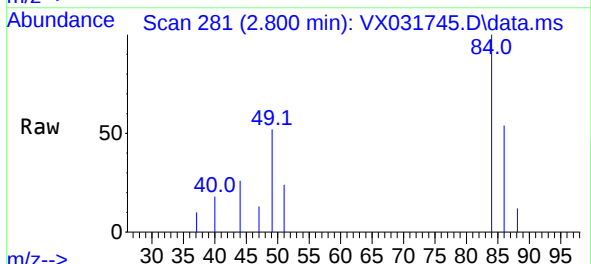
Instrument :
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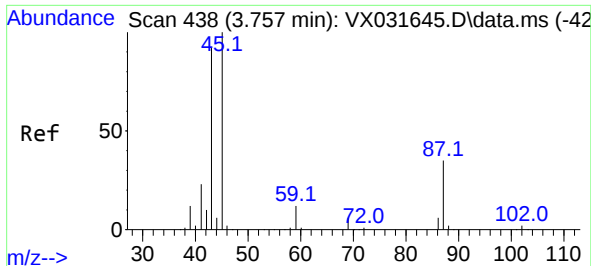
Tgt Ion: 73 Resp: 89899
Ion Ratio Lower Upper
73 100
57 18.9 17.2 25.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

Tgt Ion: 84 Resp: 1071
Ion Ratio Lower Upper
84 100
49 52.2 105.9 158.9#
51 24.0 32.2 48.2#
86 53.9 50.8 76.2

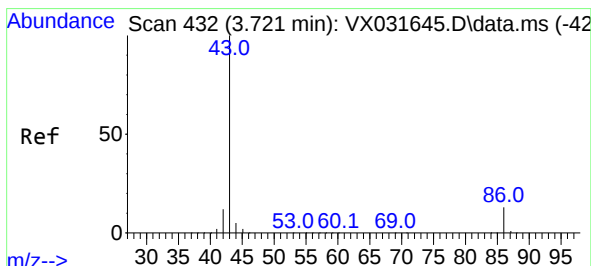
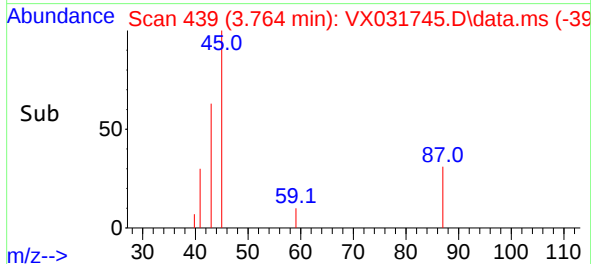
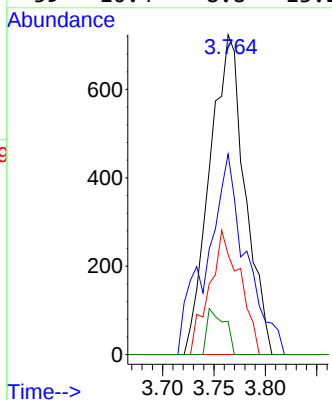
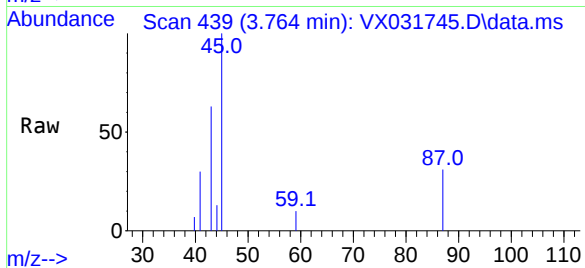




#22
Diisopropyl ether
Concen: 0.296 ug/l
RT: 3.764 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

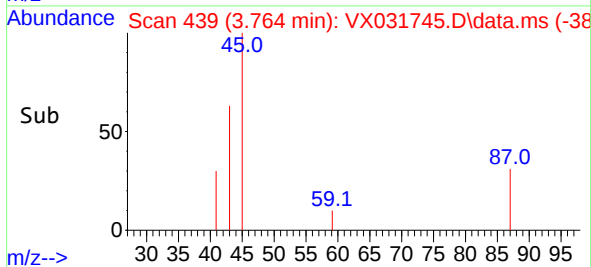
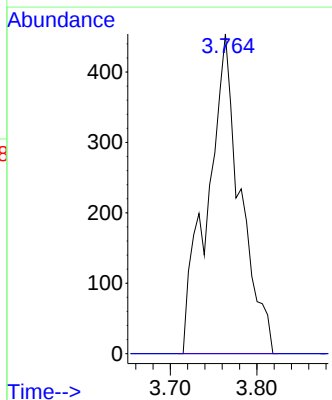
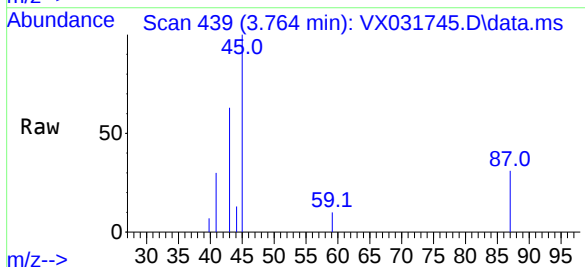
Instrument :
MSVOA_X
ClientSampleId :
MW-7DL

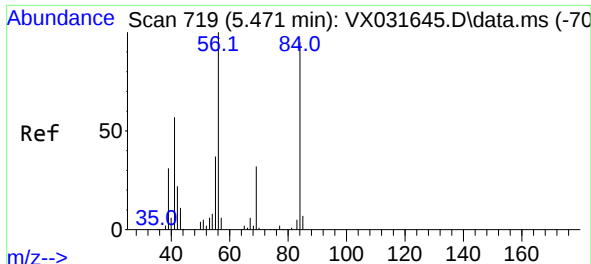
Tgt Ion:	45	Resp:	1726
Ion	Ratio	Lower	Upper
45	100		
43	62.7	59.0	88.6
87	31.2	22.6	33.8
59	10.4	8.8	13.2



#23
Vinyl Acetate
Concen: 0.261 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.037 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

Tgt Ion:	43	Resp:	1202
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.7	13.1#

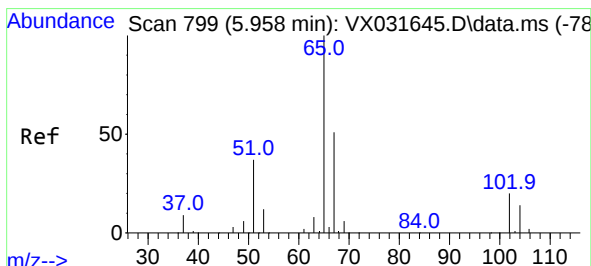
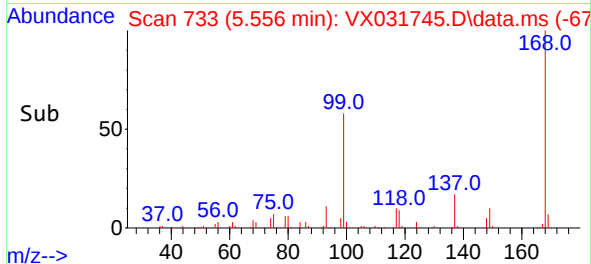
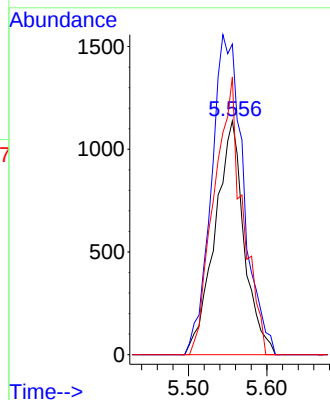
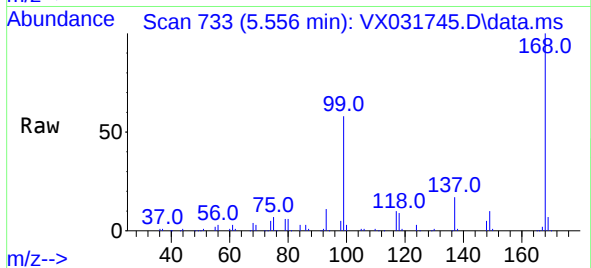




#31
Cyclohexane
Concen: 1.132 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

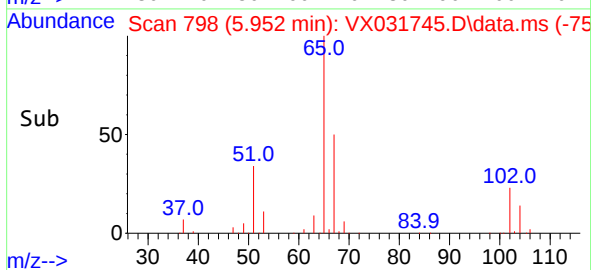
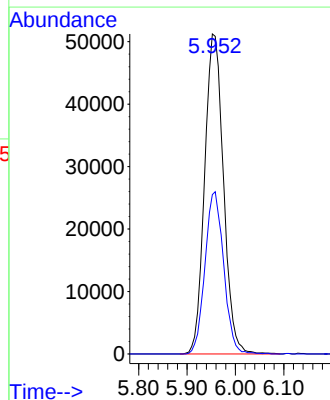
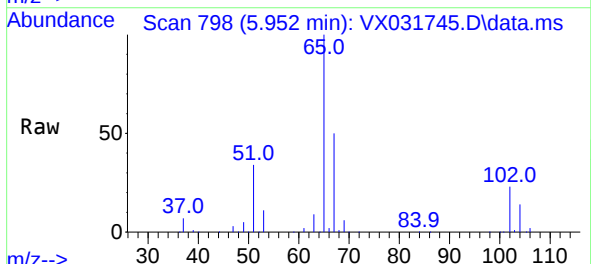
Instrument :
MSVOA_X
ClientSampleId :
MW-7DL

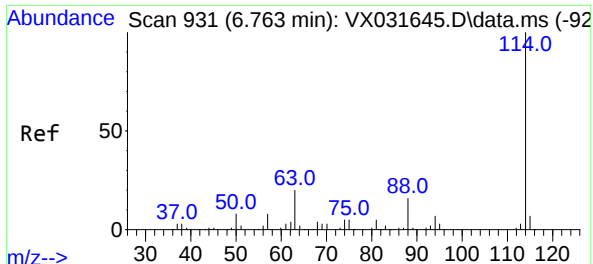
Tgt Ion: 56 Resp: 2955
Ion Ratio Lower Upper
56 100
69 132.9 25.1 37.7#
84 118.8 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 50.567 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

Tgt Ion: 65 Resp: 138818
Ion Ratio Lower Upper
65 100
67 50.2 0.0 102.4

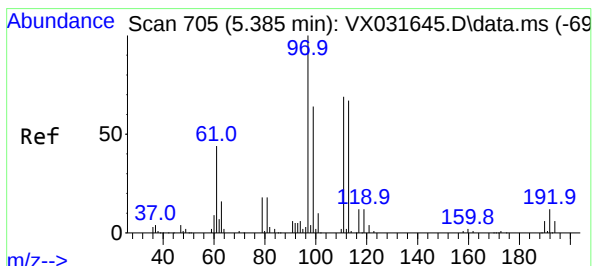
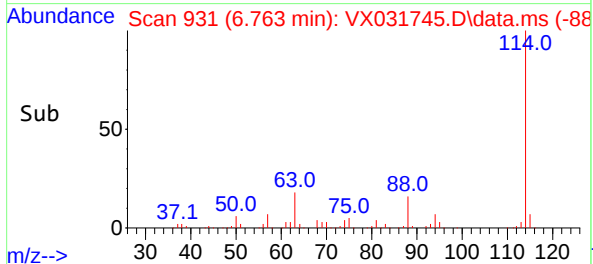
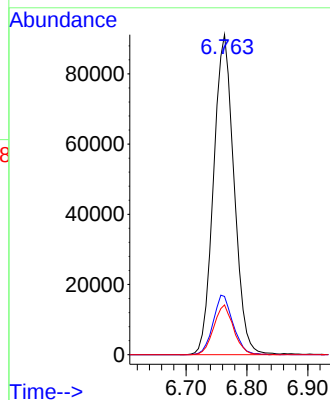
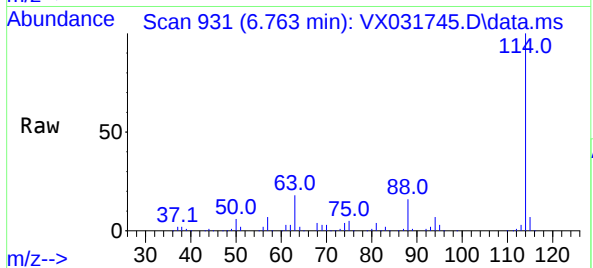




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

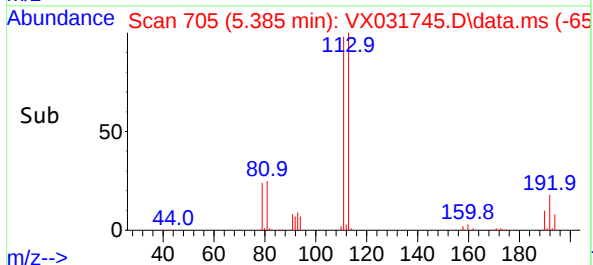
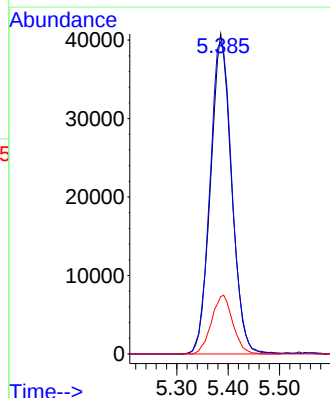
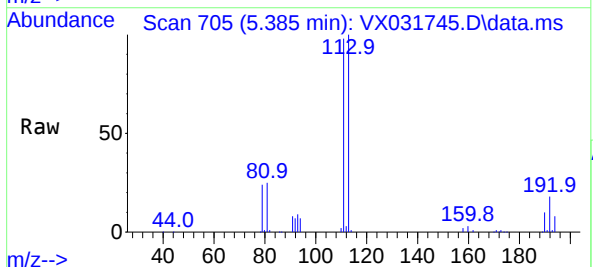
Instrument :
MSVOA_X
ClientSampleId :
MW-7DL

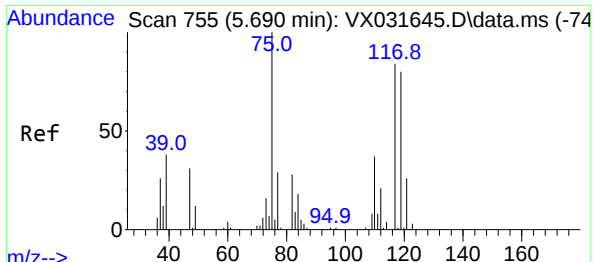
Tgt Ion:114 Resp: 212924
Ion Ratio Lower Upper
114 100
63 18.2 0.0 42.6
88 15.6 0.0 33.0



#35
Dibromofluoromethane
Concen: 45.350 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

Tgt Ion:113 Resp: 115054
Ion Ratio Lower Upper
113 100
111 102.8 82.4 123.6
192 18.7 14.1 21.1

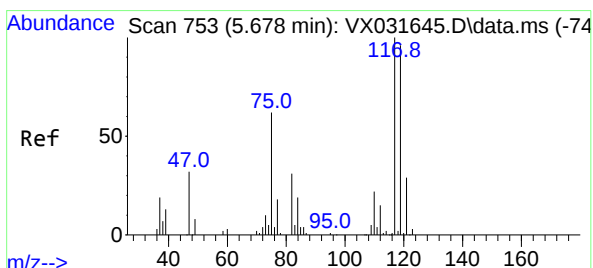
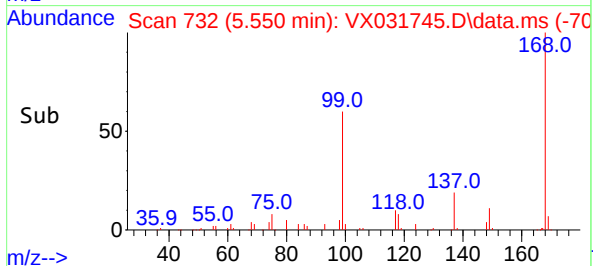
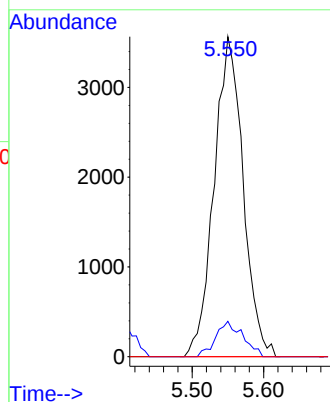
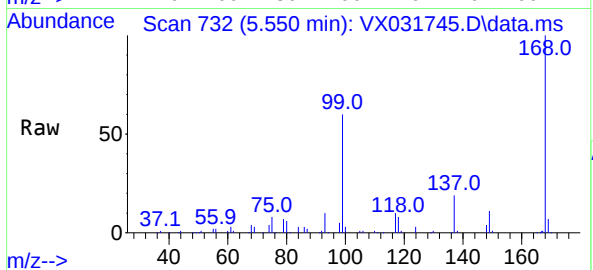




#36
1,1-Dichloropropene
Concen: 3.450 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

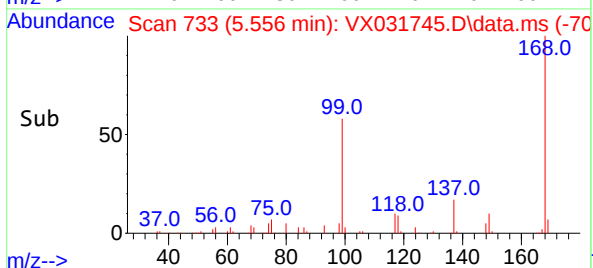
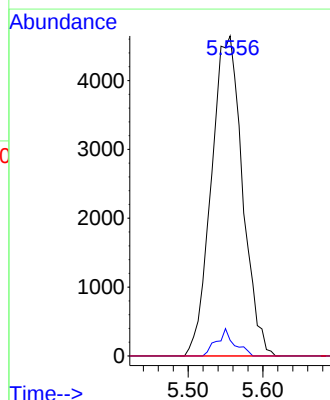
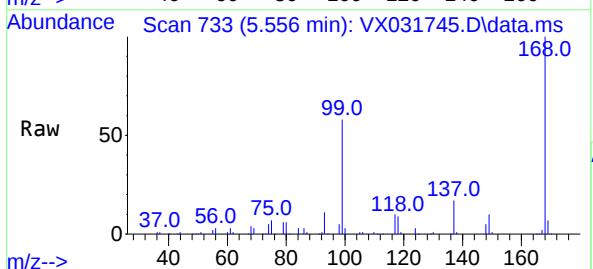
Instrument :
MSVOA_X
ClientSampleId :
MW-7DL

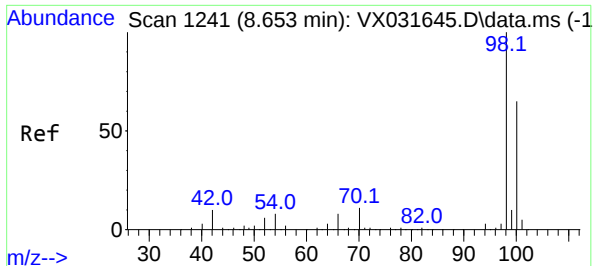
Tgt Ion: 75 Resp: 10052
Ion Ratio Lower Upper
75 100
110 10.3 17.5 52.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 4.091 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

Tgt Ion: 117 Resp: 13432
Ion Ratio Lower Upper
117 100
119 4.9 74.6 112.0#
121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 48.231 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX031745.D

Acq: 28 Sep 2022 23:26

Instrument :

MSVOA_X

ClientSampleId :

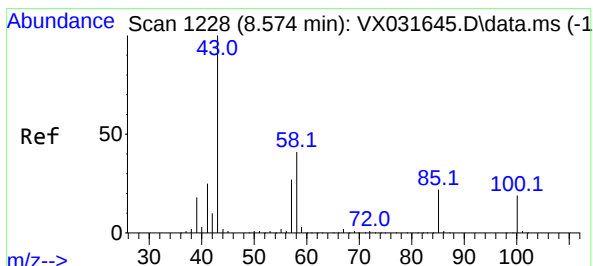
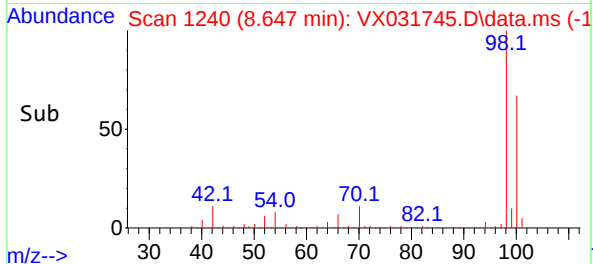
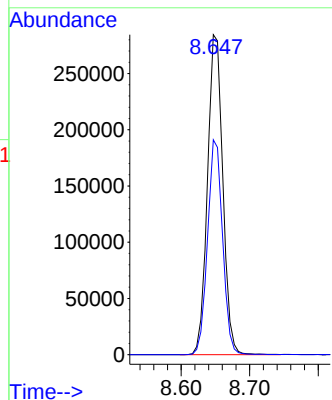
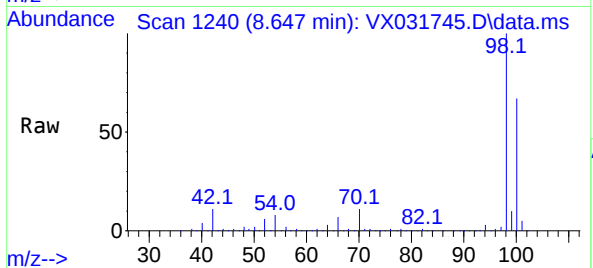
MW-7DL

Tgt Ion: 98 Resp: 443616

Ion Ratio Lower Upper

98 100

100 65.7 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.615 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.073 min

Lab File: VX031745.D

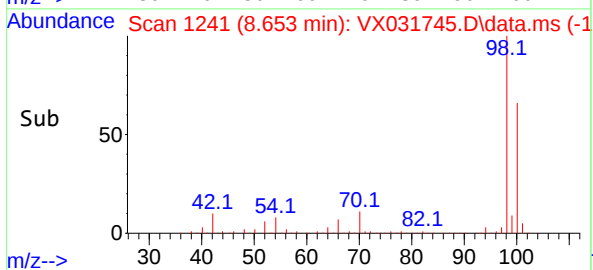
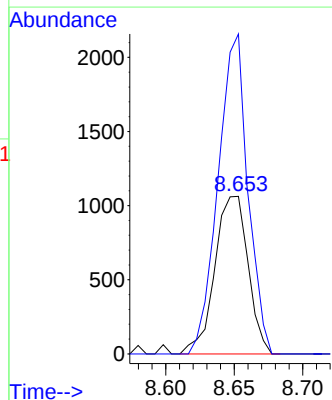
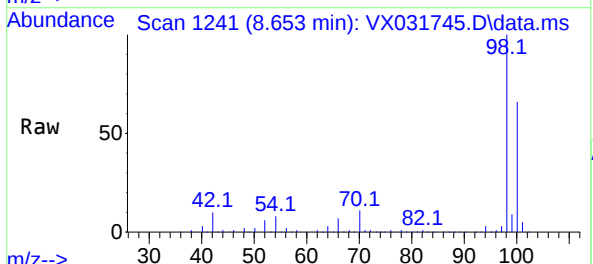
Acq: 28 Sep 2022 23:26

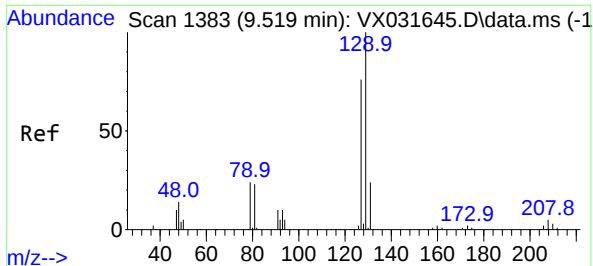
Tgt Ion: 43 Resp: 1800

Ion Ratio Lower Upper

43 100

58 181.5 30.6 46.0#

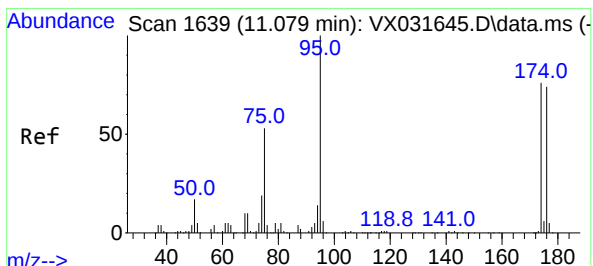
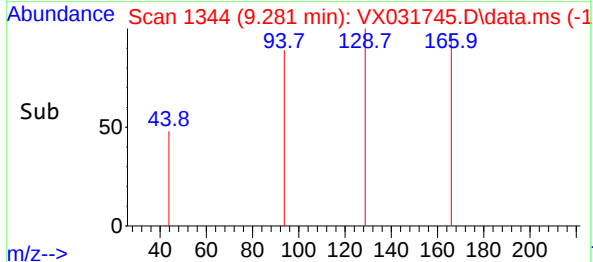
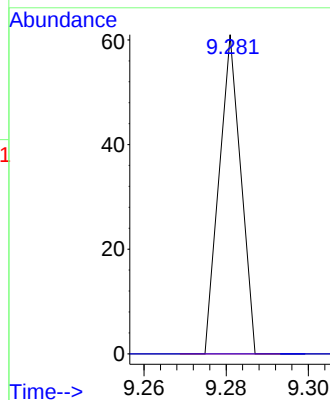
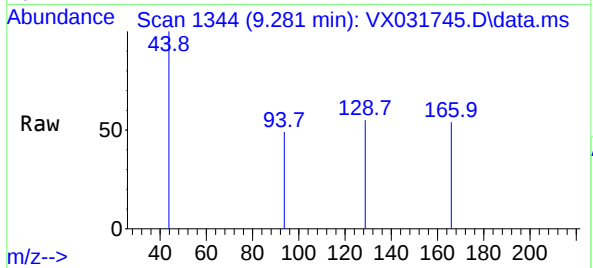




#60
Dibromochloromethane
Concen: 1.547 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

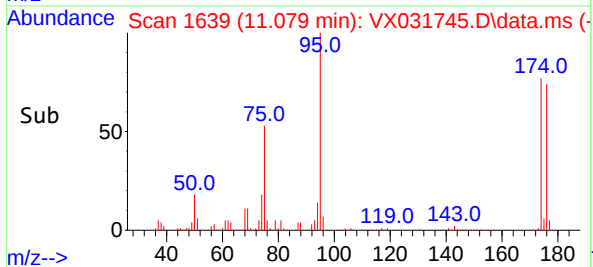
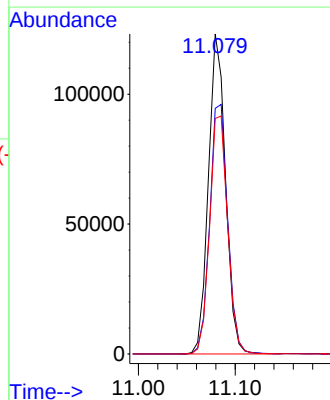
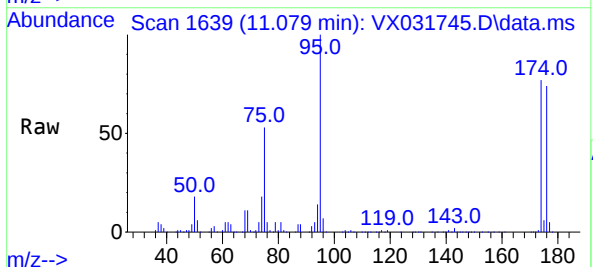
Instrument :
MSVOA_X
ClientSampleId :
MW-7DL

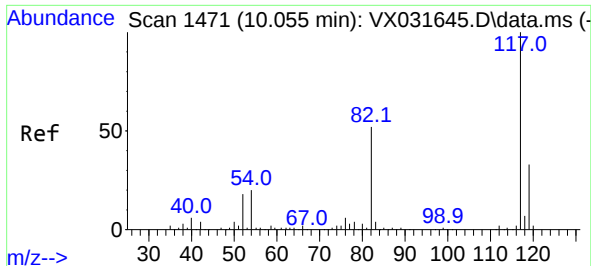
Tgt Ion:129 Resp: 22
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#



#62
4-Bromofluorobenzene
Concen: 45.027 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

Tgt Ion: 95 Resp: 151792
Ion Ratio Lower Upper
95 100
174 81.8 0.0 153.2
176 78.4 0.0 144.0

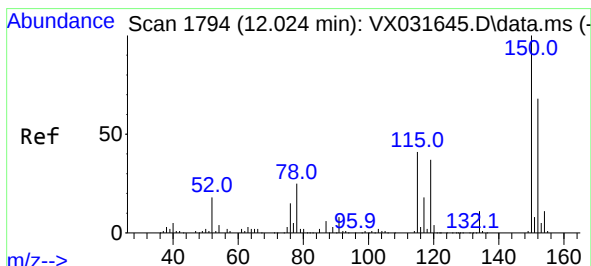
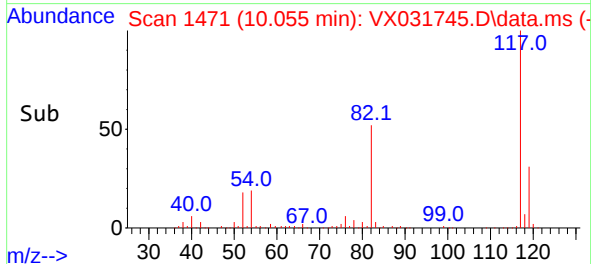
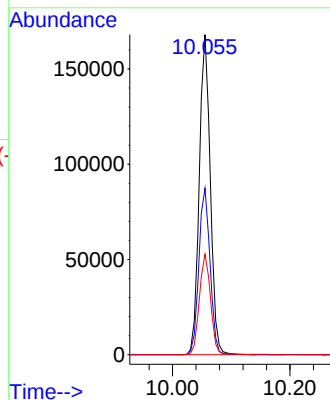
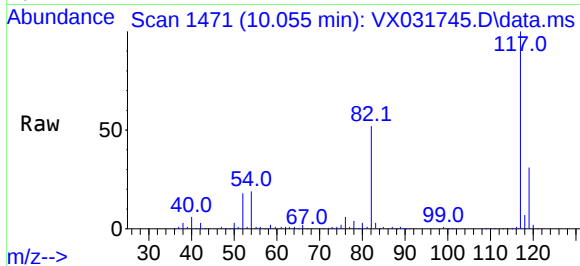




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

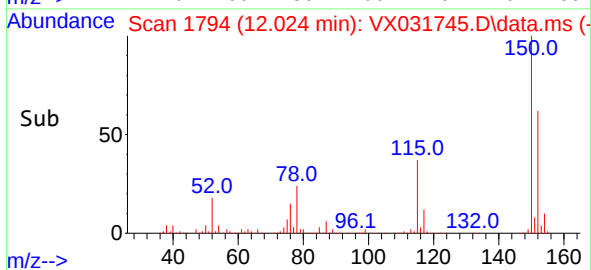
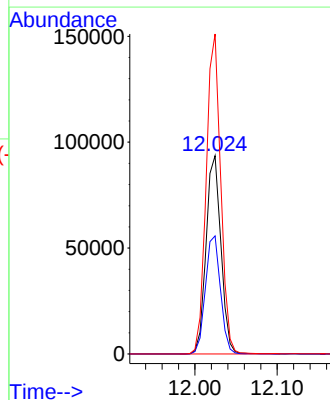
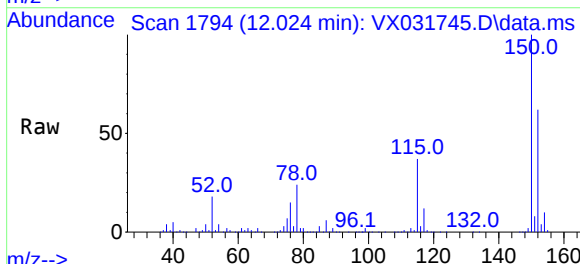
Instrument :
MSVOA_X
ClientSampleId :
MW-7DL

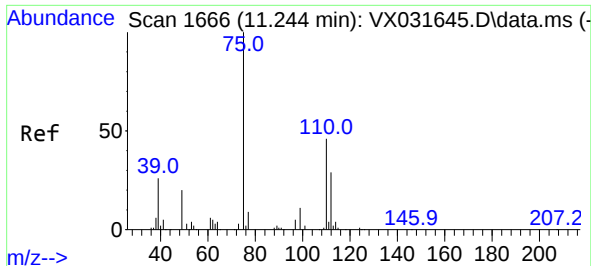
Tgt Ion:117 Resp: 218770
Ion Ratio Lower Upper
117 100
82 52.0 46.8 70.2
119 31.4 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

Tgt Ion:152 Resp: 117507
Ion Ratio Lower Upper
152 100
115 60.3 43.4 130.1
150 157.5 0.0 346.8

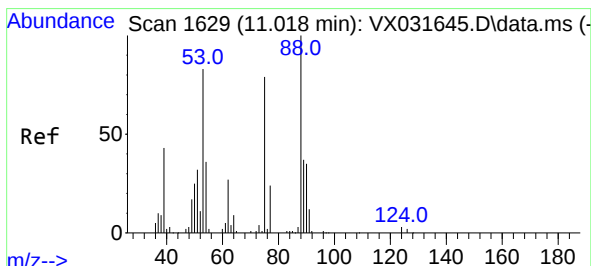
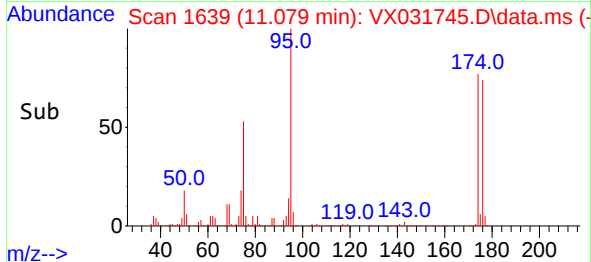
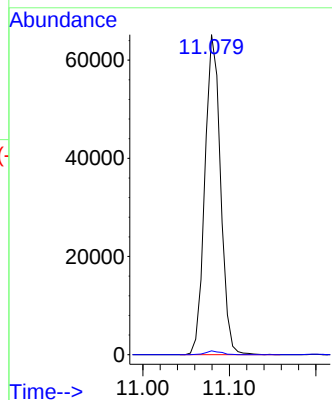
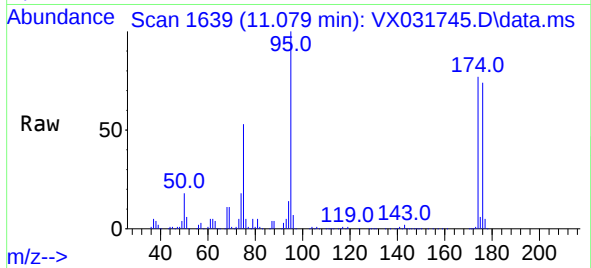




#76
1,2,3-Trichloropropane
Concen: 38.436 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

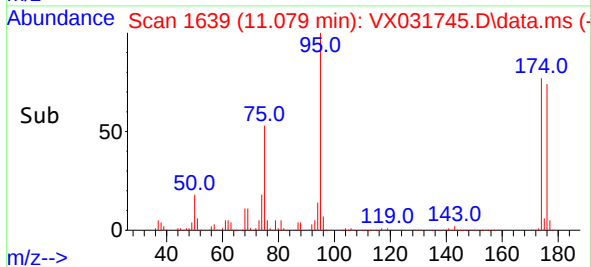
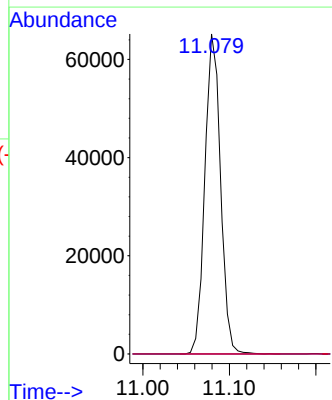
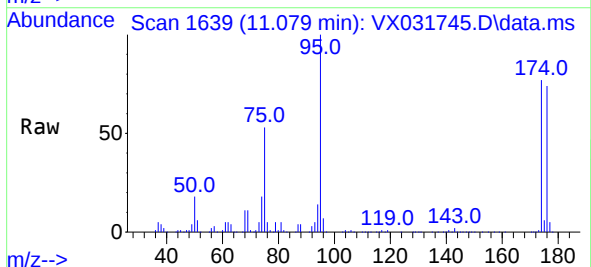
Instrument :
MSVOA_X
ClientSampleId :
MW-7DL

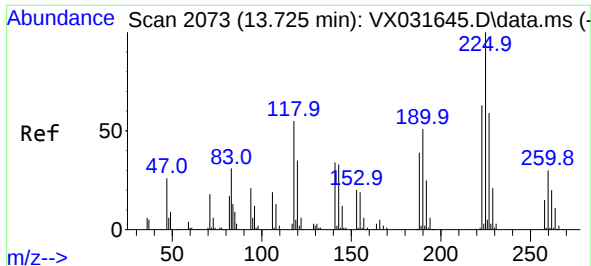
Tgt Ion: 75 Resp: 81880
Ion Ratio Lower Upper
75 100
77 1.2 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.832 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031745.D
Acq: 28 Sep 2022 23:26

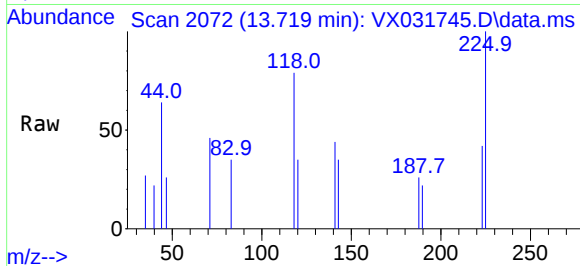
Tgt Ion: 75 Resp: 81880
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#





#94
 Hexachlorobutadiene
 Concen: 0.381 ug/l
 RT: 13.719 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VX031745.D
 Acq: 28 Sep 2022 23:26

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7DL



Tgt Ion:225 Resp: 326
 Ion Ratio Lower Upper
 225 100
 223 44.8 30.8 92.4
 227 31.0 32.3 96.9#

