

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120222\
 Data File : VX033180.D
 Acq On : 02 Dec 2022 13:06
 Operator : JC/MD
 Sample : N5821-03DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 22-MW-3SDL

Quant Time: Dec 03 04:31:46 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)

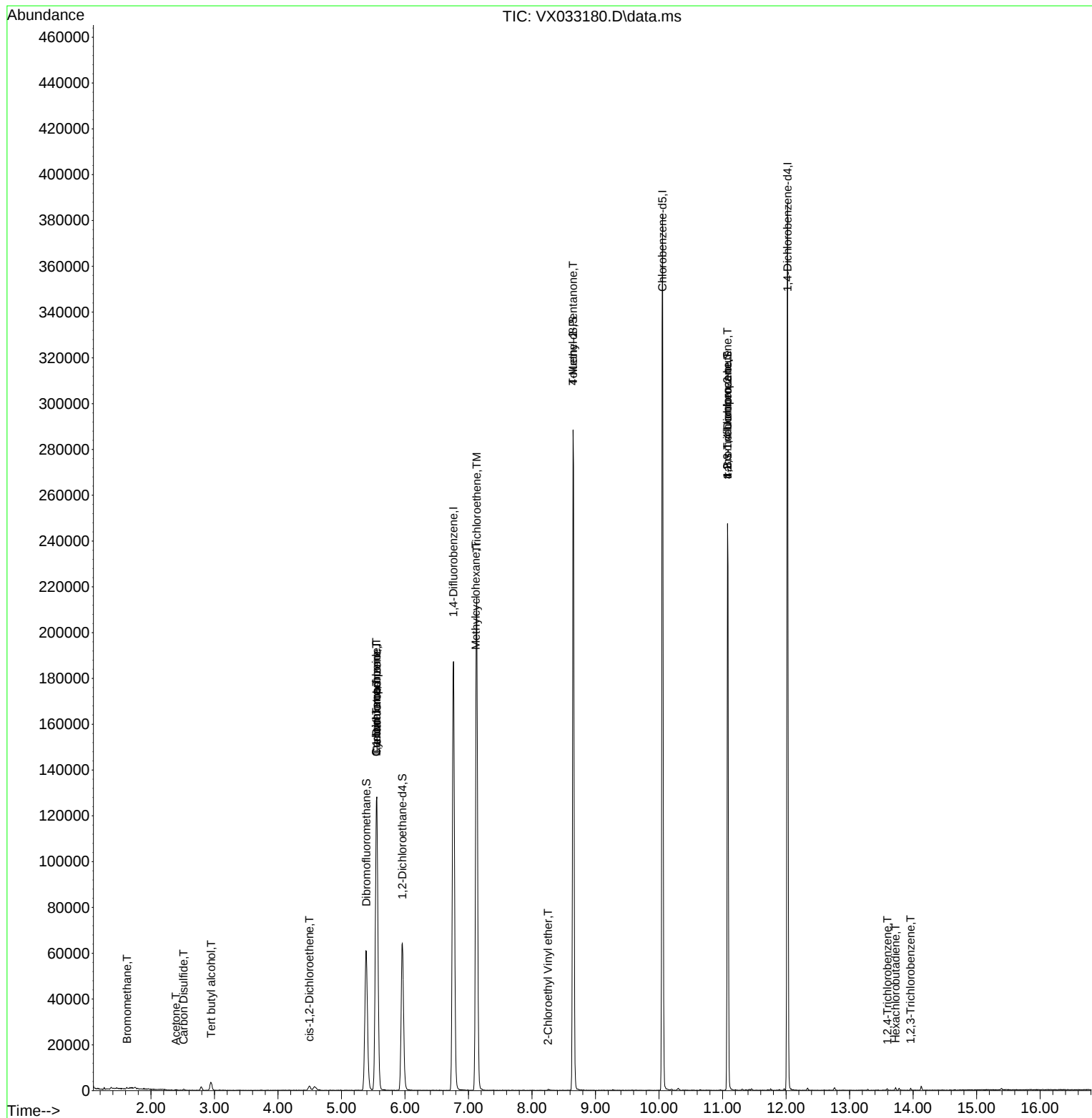
Internal Standards						
1) Pentafluorobenzene	5.556	168	121755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	194689	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	170881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78622	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65982	55.825	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.640%
35) Dibromofluoromethane	5.391	113	52777	48.085	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.160%
50) Toluene-d8	8.646	98	172313	52.276	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.560%
62) 4-Bromofluorobenzene	11.079	95	64331	44.619	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.240%
Target Compounds						
						Qvalue
5) Bromomethane	1.623	94	204	0.246	ug/l	84
11) Tert butyl alcohol	2.946	59	2354	12.524	ug/l #	72
16) Acetone	2.392	43	268	0.484	ug/l #	45
17) Carbon Disulfide	2.513	76	607	0.207	ug/l #	74
20) Methylene Chloride	2.794	84	765	Below Cal		87
27) cis-1,2-Dichloroethene	4.495	96	1295	0.938	ug/l	82
31) Cyclohexane	5.550	56	2722	1.417	ug/l #	26
36) 1,1-Dichloropropene	5.550	75	9455	5.387	ug/l #	49
38) Carbon Tetrachloride	5.550	117	12731	6.539	ug/l #	17
39) Methylcyclohexane	7.116	83	1035	0.517	ug/l #	1
44) Trichloroethene	7.128	130	83336	60.355	ug/l	99
51) 4-Methyl-2-Pentanone	8.646	43	731	0.468	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.250	63	238	0.276	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	34357	23.074	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34357	75.002	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.597	180	324	0.208	ug/l #	82
94) Hexachlorobutadiene	13.725	225	262	0.382	ug/l	94
96) 1,2,3-Trichlorobenzene	13.963	180	331	0.212	ug/l #	84

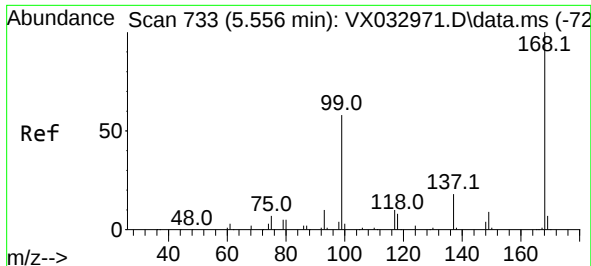
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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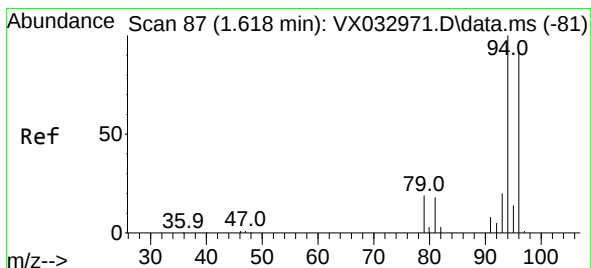
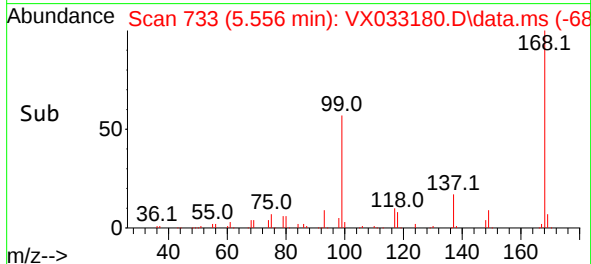
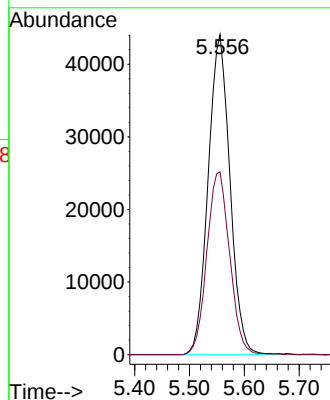
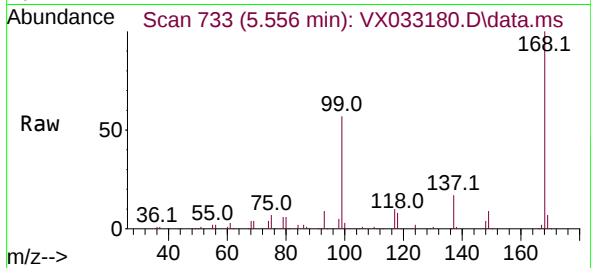




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033180.D
Acq: 02 Dec 2022 13:06

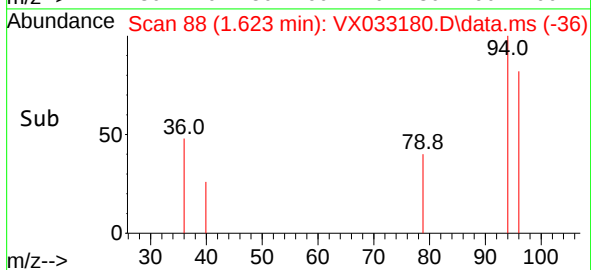
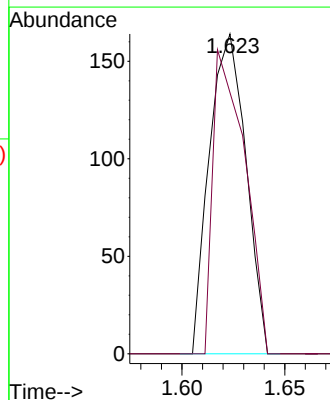
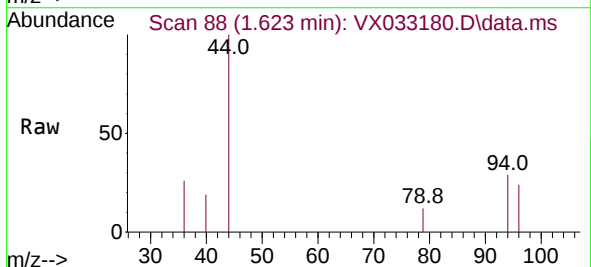
Instrument :
MSVOA_X
ClientSampleId :
22-MW-3SDL

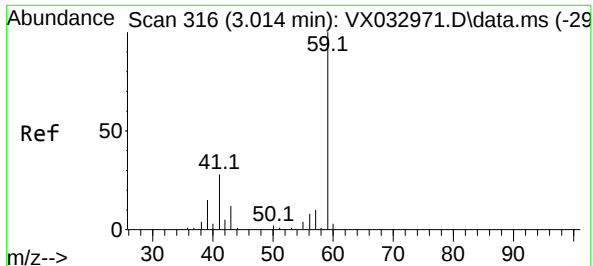
Tgt Ion:168 Resp: 121755
Ion Ratio Lower Upper
168 100
99 57.1 46.1 69.1



#5
Bromomethane
Concen: 0.246 ug/l
RT: 1.623 min Scan# 88
Delta R.T. 0.018 min
Lab File: VX033180.D
Acq: 02 Dec 2022 13:06

Tgt Ion: 94 Resp: 204
Ion Ratio Lower Upper
94 100
96 81.7 77.6 116.4





#11

Tert butyl alcohol

Concen: 12.524 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.019 min

Lab File: VX033180.D

Acq: 02 Dec 2022 13:06

Instrument :

MSVOA_X

ClientSampleId :

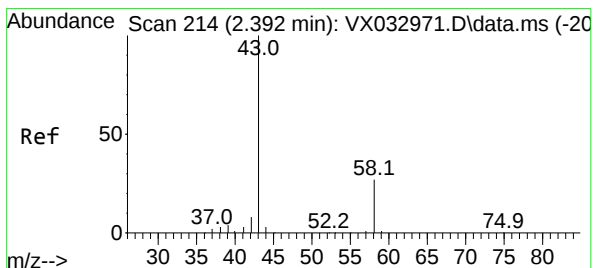
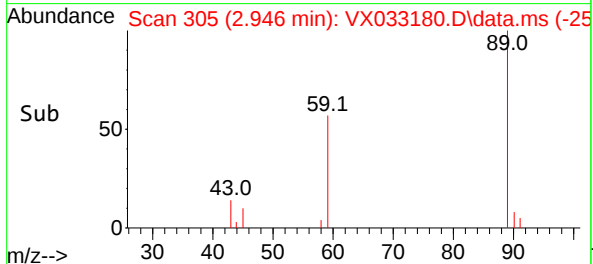
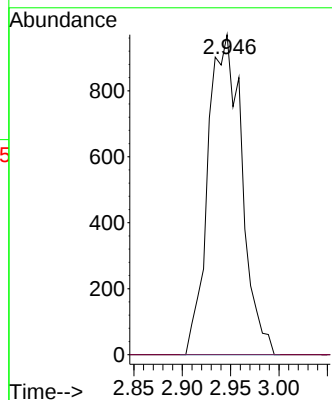
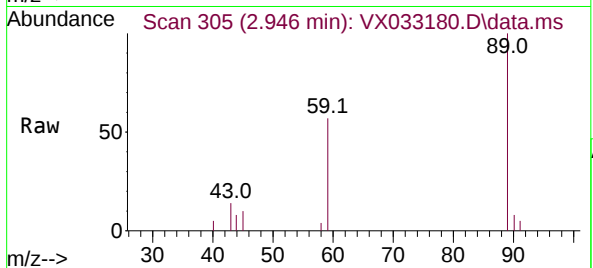
22-MW-3SDL

Tgt Ion: 59 Resp: 2354

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 0.484 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.012 min

Lab File: VX033180.D

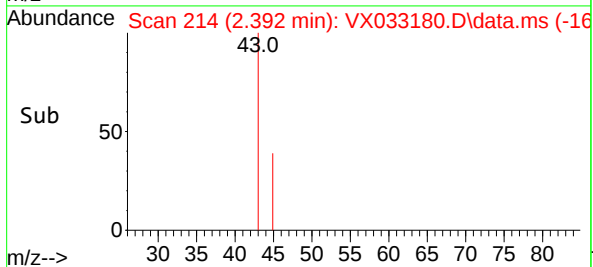
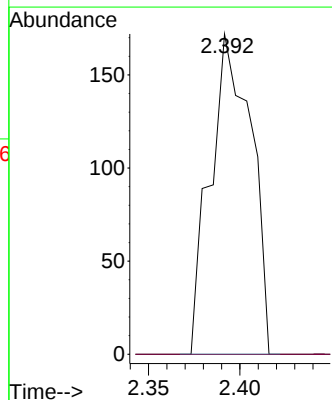
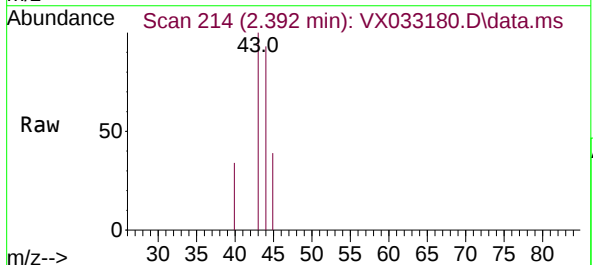
Acq: 02 Dec 2022 13:06

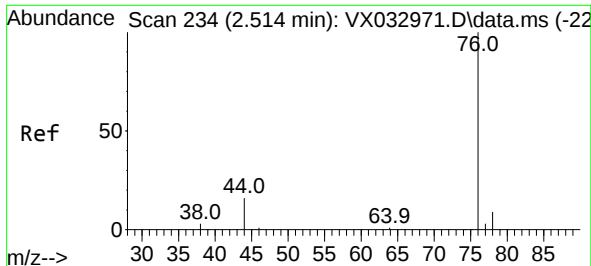
Tgt Ion: 43 Resp: 268

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.8#





#17

Carbon Disulfide

Concen: 0.207 ug/l

RT: 2.513 min Scan# 21

Delta R.T. -0.001 min

Lab File: VX033180.D

Acq: 02 Dec 2022 13:06

Instrument :

MSVOA_X

ClientSampleId :

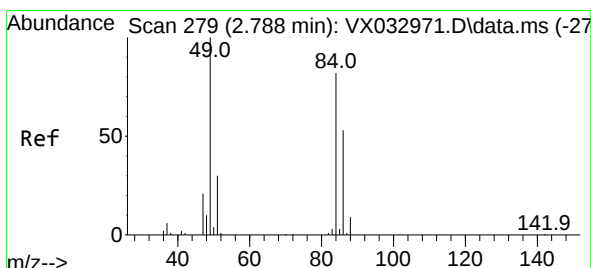
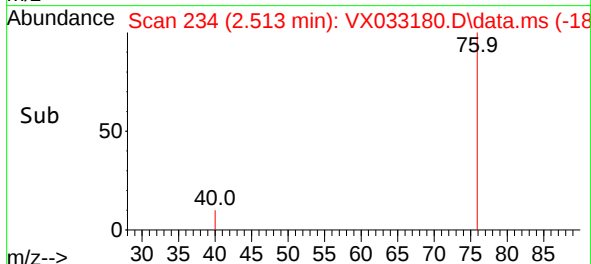
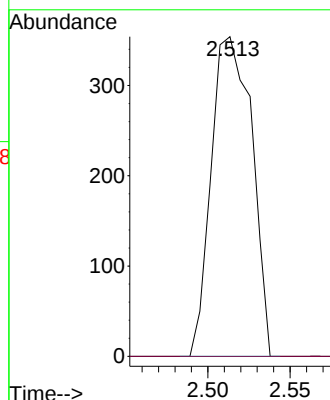
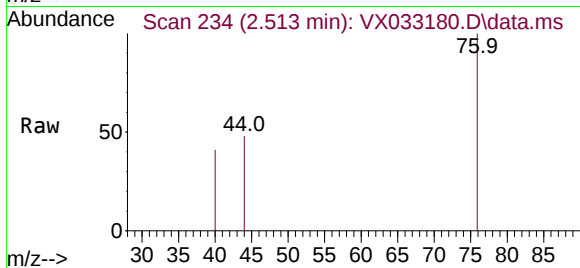
22-MW-3SDL

Tgt Ion: 76 Resp: 607

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX033180.D

Acq: 02 Dec 2022 13:06

Tgt Ion: 84 Resp: 765

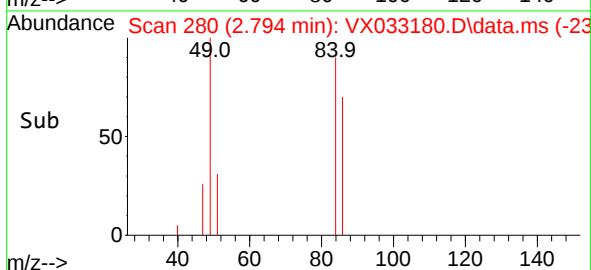
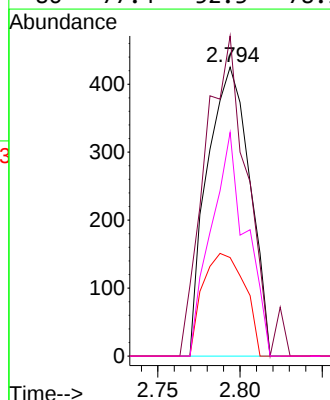
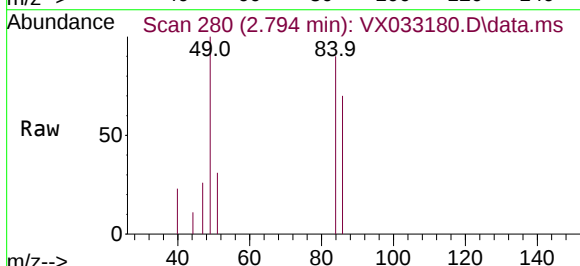
Ion Ratio Lower Upper

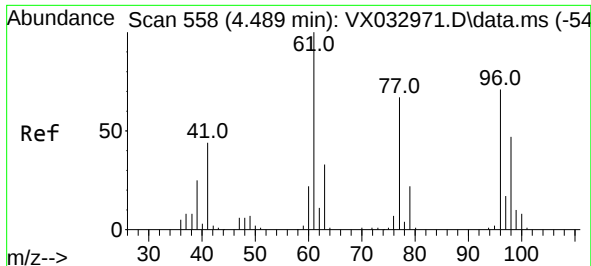
84 100

49 110.8 101.0 151.6

51 34.1 31.1 46.7

86 77.4 52.3 78.5





#27

cis-1,2-Dichloroethene

Concen: 0.938 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX033180.D

Acq: 02 Dec 2022 13:06

Instrument :

MSVOA_X

ClientSampleId :

22-MW-3SDL

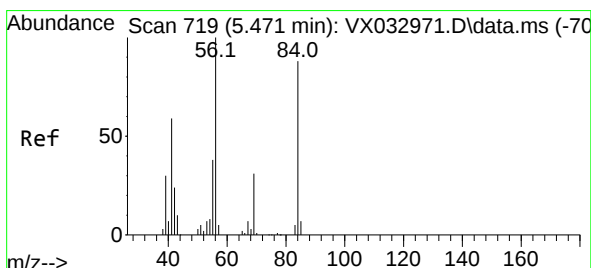
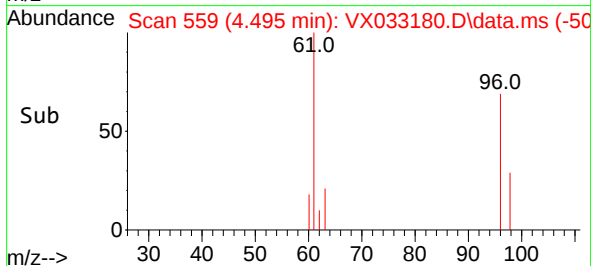
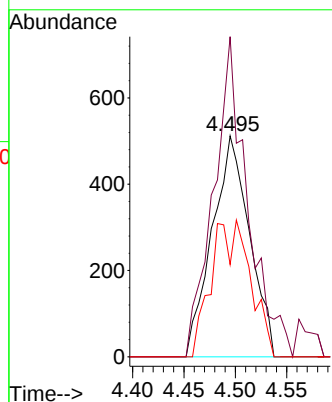
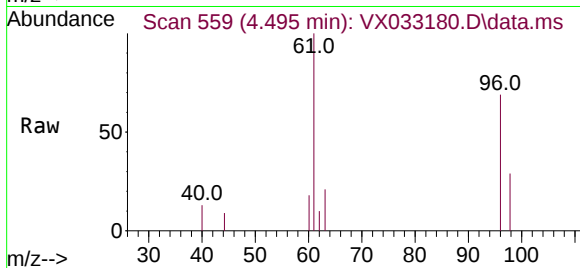
Tgt Ion: 96 Resp: 1295

Ion Ratio Lower Upper

96 100

61 132.1 0.0 286.0

98 34.1 0.0 129.6



#31

Cyclohexane

Concen: 1.417 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX033180.D

Acq: 02 Dec 2022 13:06

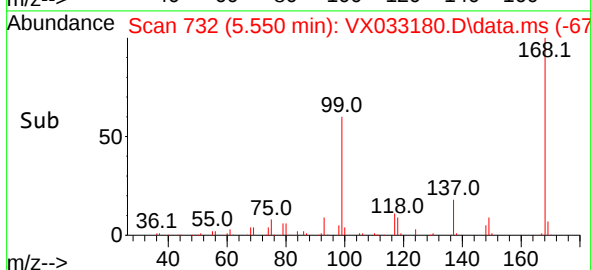
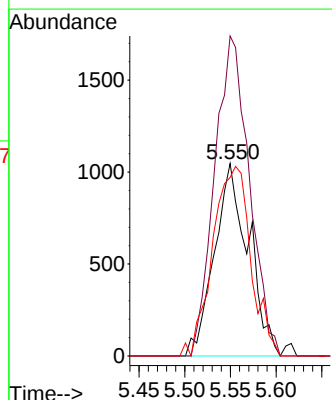
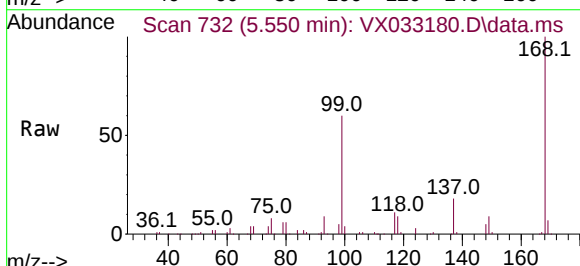
Tgt Ion: 56 Resp: 2722

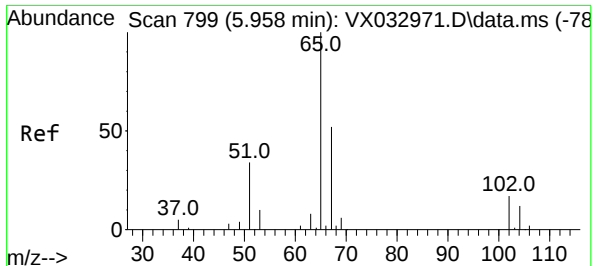
Ion Ratio Lower Upper

56 100

69 166.2 24.1 36.1#

84 92.7 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 55.825 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX033180.D

Acq: 02 Dec 2022 13:06

Instrument :

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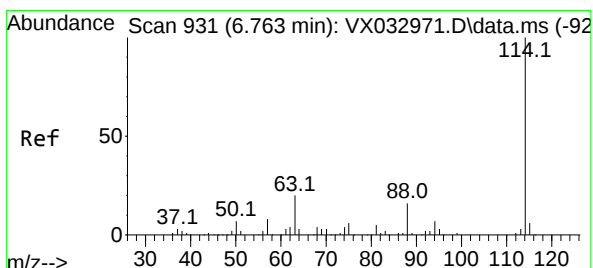
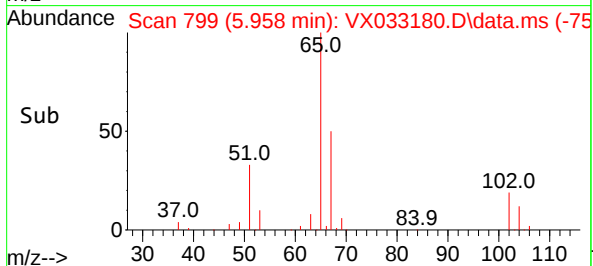
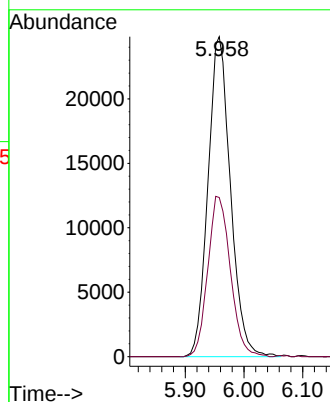
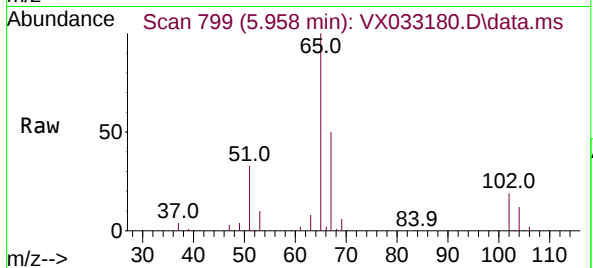
22-MW-3SDL

Tgt Ion: 65 Resp: 65982

Ion Ratio Lower Upper

65 100

67 50.4 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: VX033180.D

Acq: 02 Dec 2022 13:06

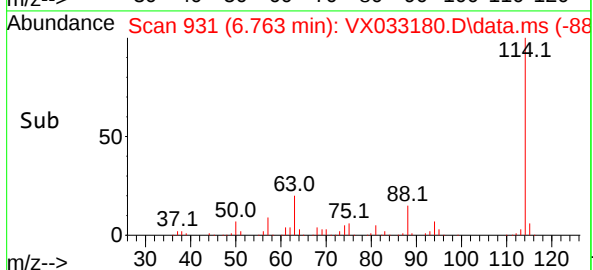
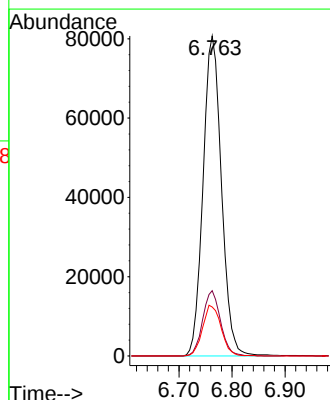
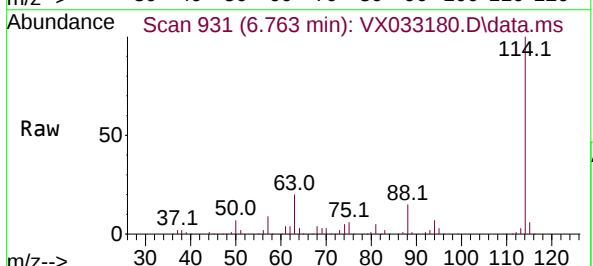
Tgt Ion: 114 Resp: 194689

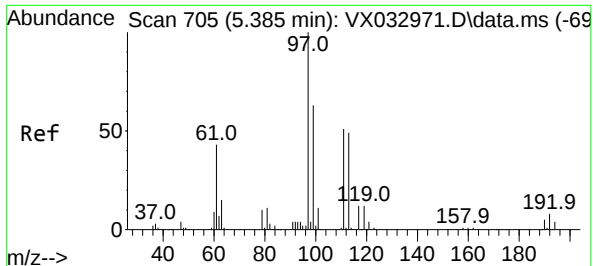
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.6

88 15.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.085 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX033180.D

Acq: 02 Dec 2022 13:06

Instrument :

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22-MW-3SDL

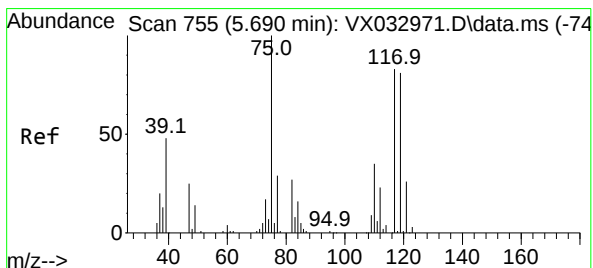
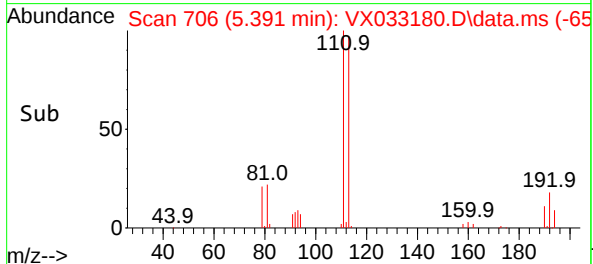
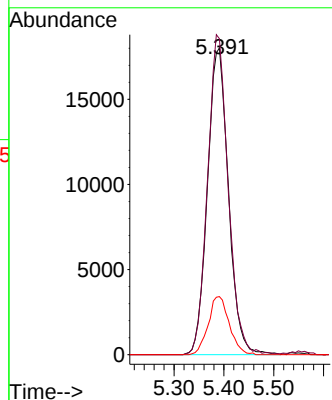
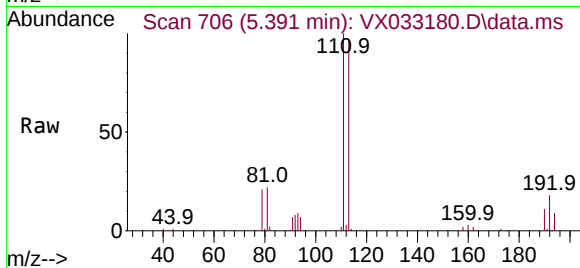
Tgt Ion:113 Resp: 52777

Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

192 19.0 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.387 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX033180.D

Acq: 02 Dec 2022 13:06

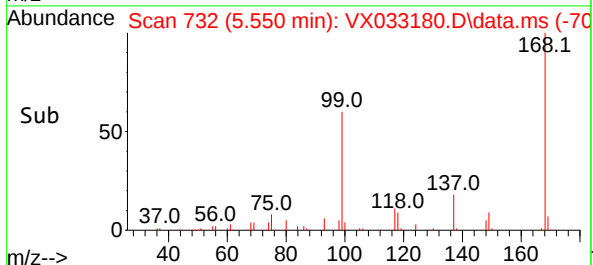
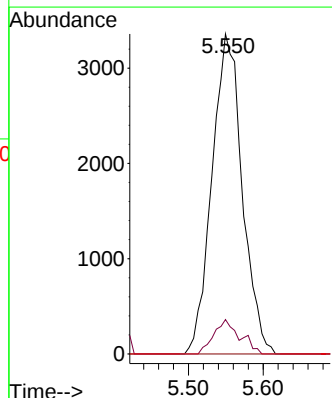
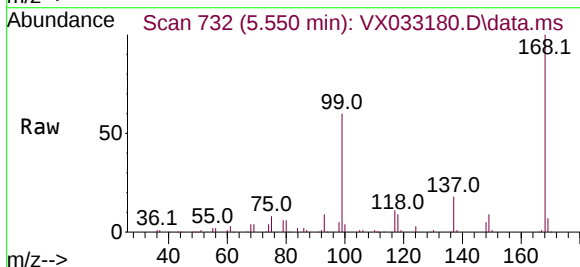
Tgt Ion: 75 Resp: 9455

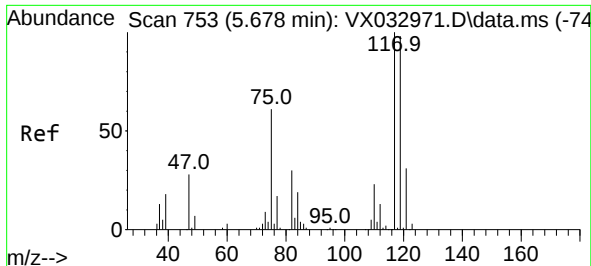
Ion Ratio Lower Upper

75 100

110 9.3 18.4 55.2#

77 0.0 24.5 36.7#

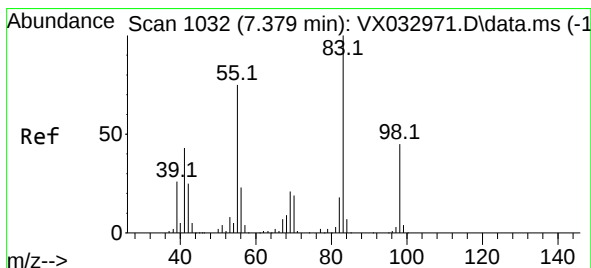
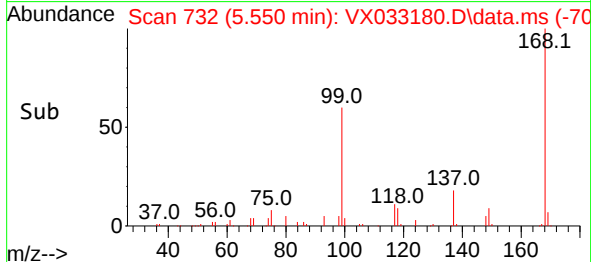
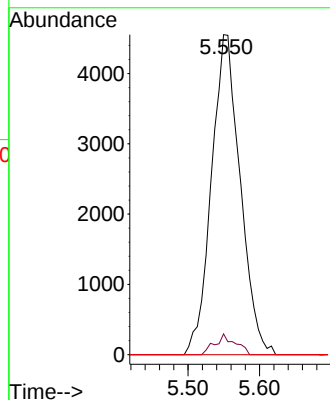
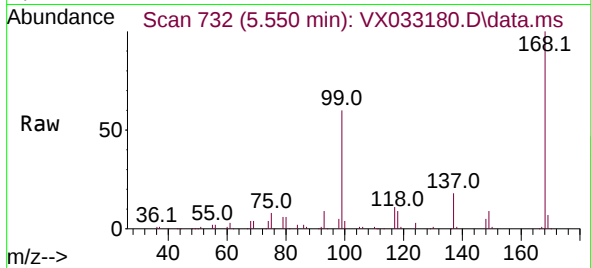




#38
Carbon Tetrachloride
Concen: 6.539 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.135 min
Lab File: VX033180.D
Acq: 02 Dec 2022 13:06

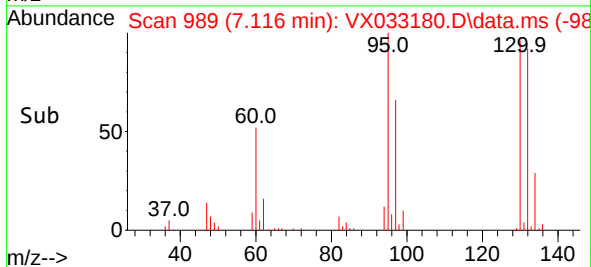
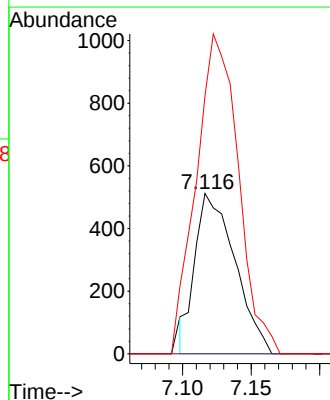
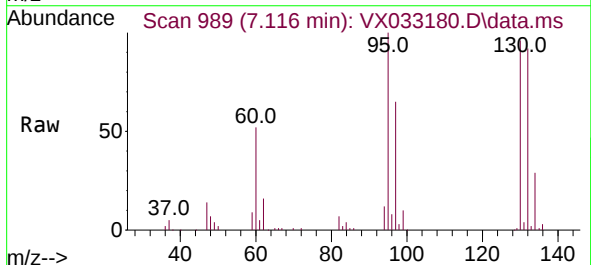
Instrument :
MSVOA_X
ClientSampleId :
22-MW-3SDL

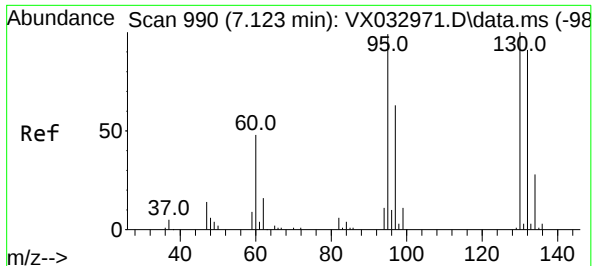
Tgt Ion:117 Resp: 12731
Ion Ratio Lower Upper
117 100
119 6.5 77.2 115.8#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 0.517 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.269 min
Lab File: VX033180.D
Acq: 02 Dec 2022 13:06

Tgt Ion: 83 Resp: 1035
Ion Ratio Lower Upper
83 100
55 0.0 58.4 87.6#
98 160.9 37.2 55.8#

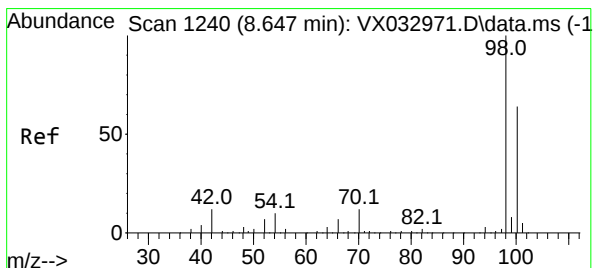
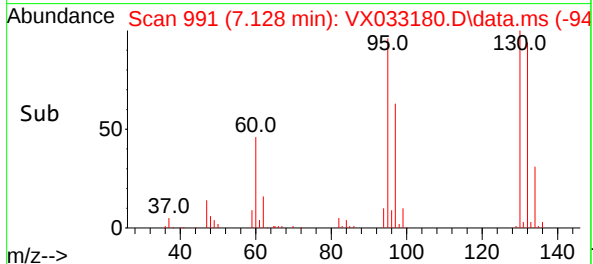
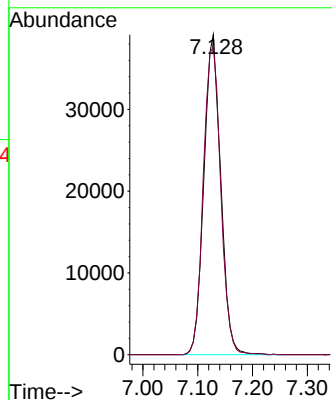
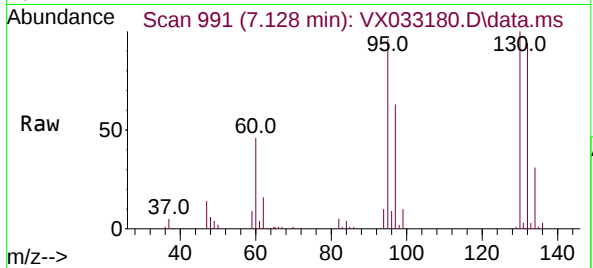




#44
Trichloroethene
Concen: 60.355 ug/l
RT: 7.128 min Scan# 991
Delta R.T. -0.001 min
Lab File: VX033180.D
Acq: 02 Dec 2022 13:06

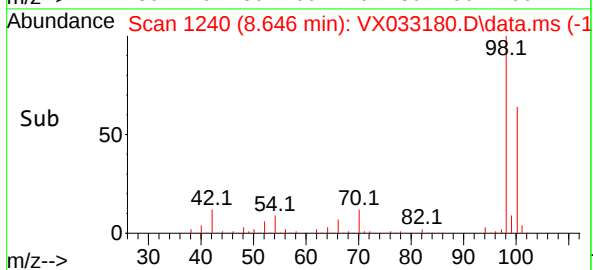
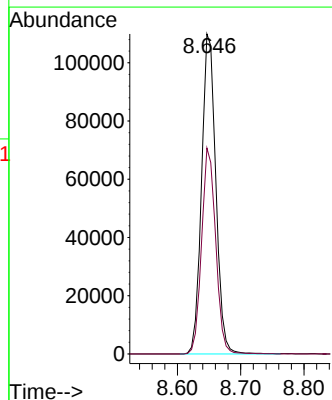
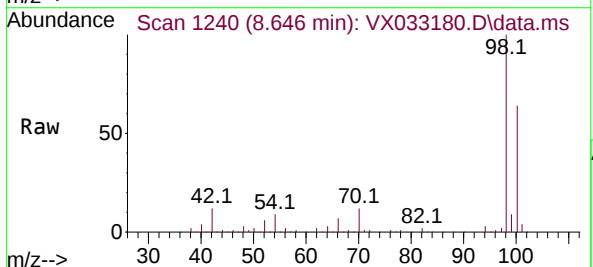
Instrument :
MSVOA_X
ClientSampleId :
22-MW-3SDL

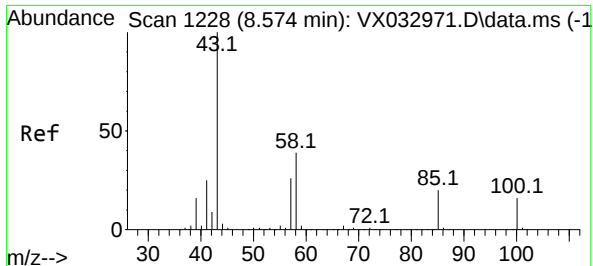
Tgt Ion:130 Resp: 83336
Ion Ratio Lower Upper
130 100
95 96.3 0.0 195.2



#50
Toluene-d8
Concen: 52.276 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.007 min
Lab File: VX033180.D
Acq: 02 Dec 2022 13:06

Tgt Ion: 98 Resp: 172313
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.468 ug/l

RT: 8.646 min Scan# 1175

Delta R.T. 0.072 min

Lab File: VX033180.D

Acq: 02 Dec 2022 13:06

Instrument :

MSVOA_X

ClientSampleId :

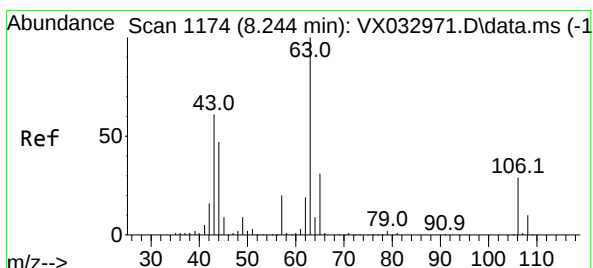
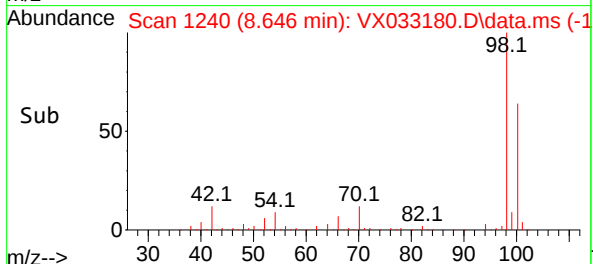
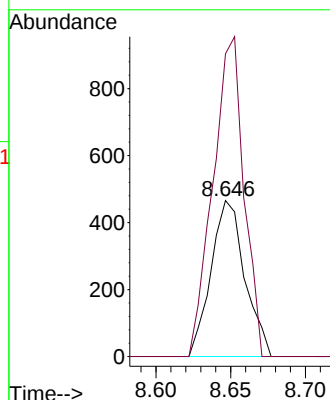
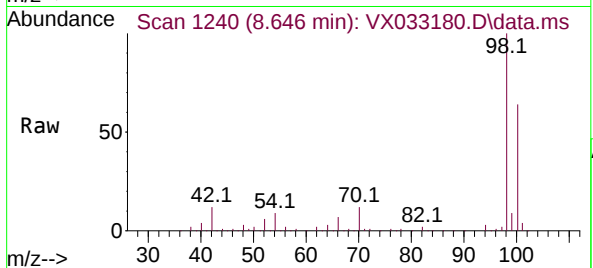
22-MW-3SDL

Tgt Ion: 43 Resp: 731

Ion Ratio Lower Upper

43 100

58 187.7 30.9 46.3#



#58

2-Chloroethyl Vinyl ether

Concen: 0.276 ug/l

RT: 8.250 min Scan# 1175

Delta R.T. 0.006 min

Lab File: VX033180.D

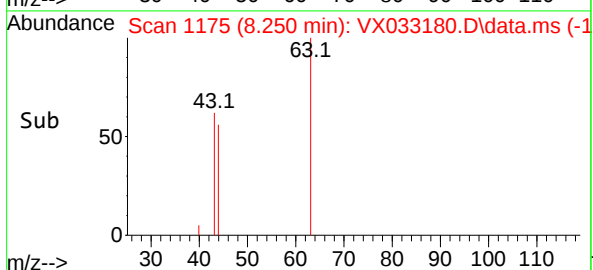
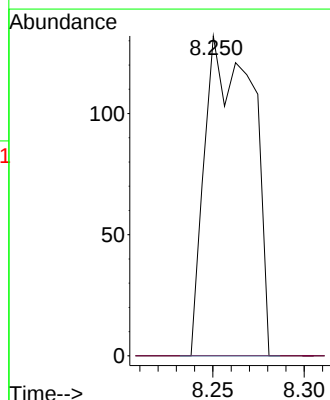
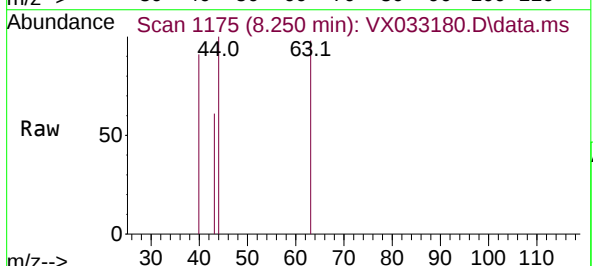
Acq: 02 Dec 2022 13:06

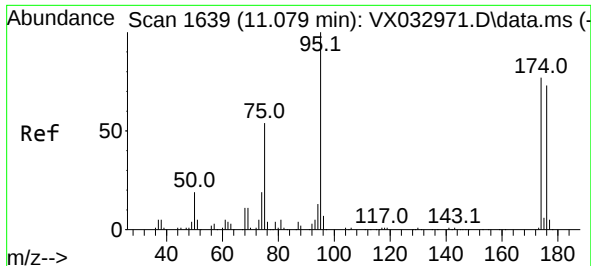
Tgt Ion: 63 Resp: 238

Ion Ratio Lower Upper

63 100

106 0.0 23.3 34.9#





#62

4-Bromofluorobenzene

Concen: 44.619 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033180.D

Acq: 02 Dec 2022 13:06

Instrument :

MSVOA_X

ClientSampleId :

22-MW-3SDL

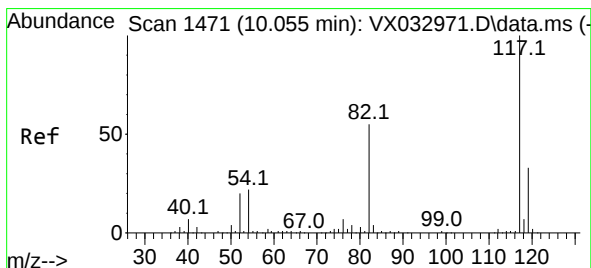
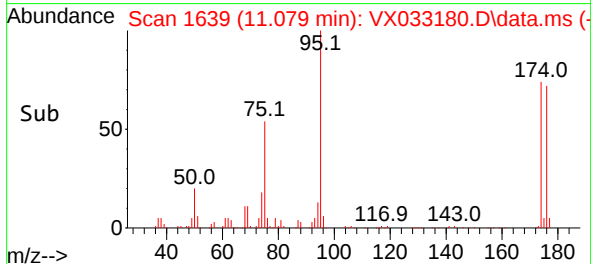
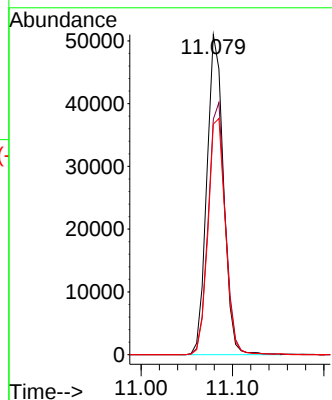
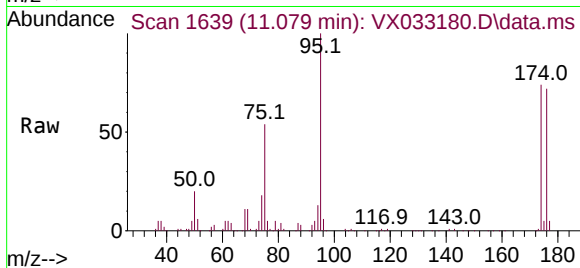
Tgt Ion: 95 Resp: 64331

Ion Ratio Lower Upper

95 100

174 81.1 0.0 164.0

176 77.1 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: VX033180.D

Acq: 02 Dec 2022 13:06

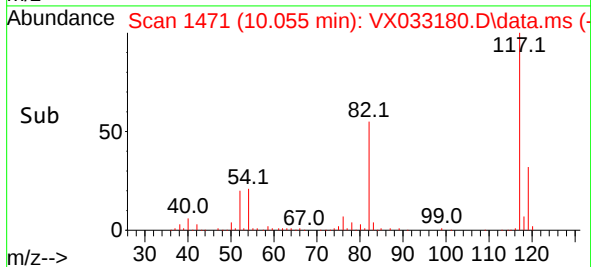
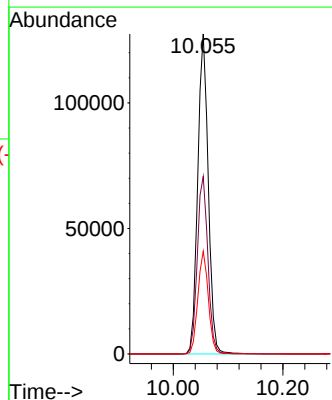
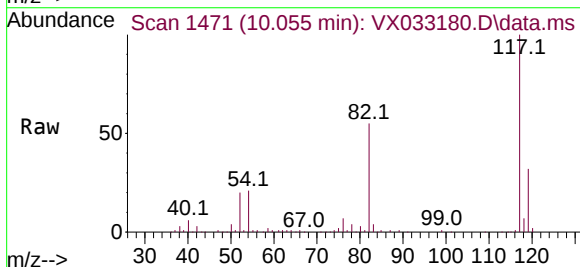
Tgt Ion: 117 Resp: 170881

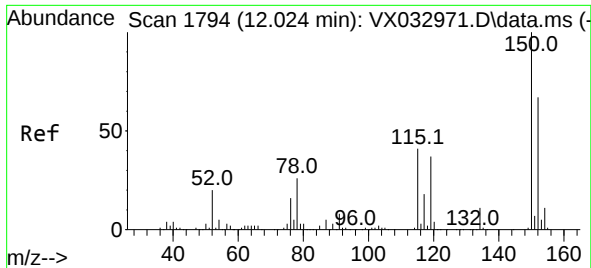
Ion Ratio Lower Upper

117 100

82 55.5 44.3 66.5

119 32.1 25.7 38.5

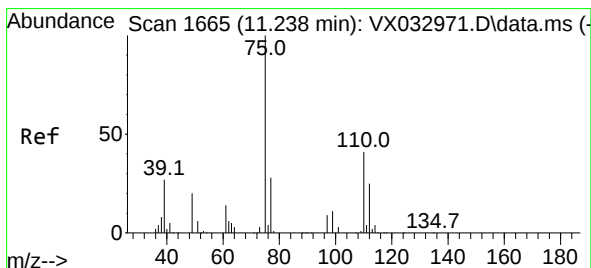
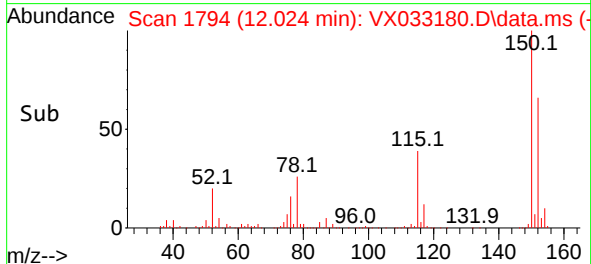
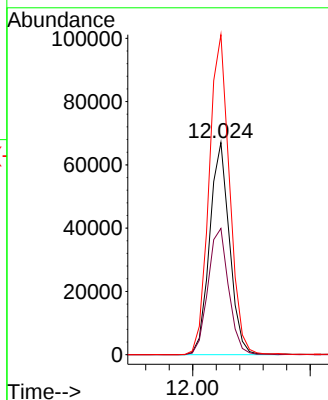
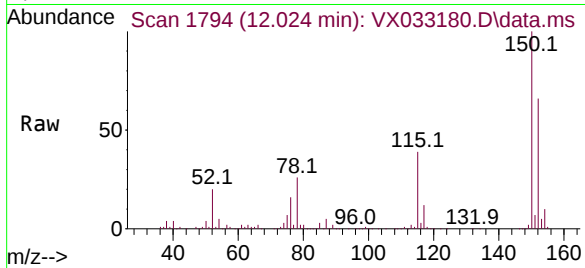




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX033180.D
 Acq: 02 Dec 2022 13:06

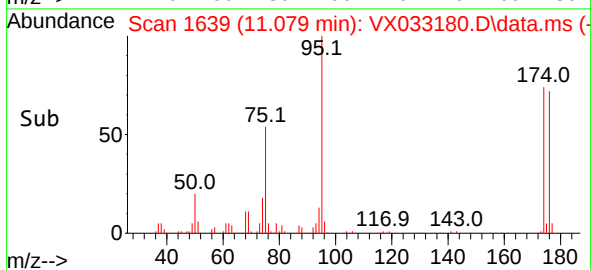
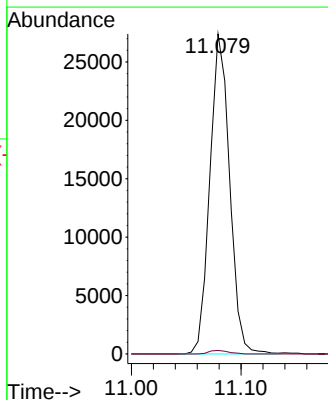
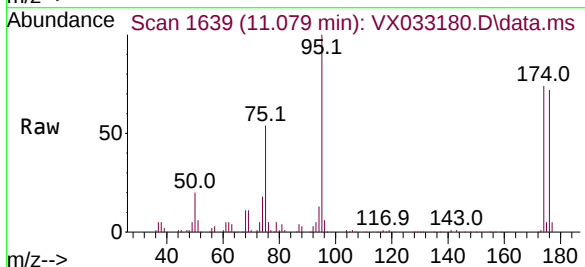
Instrument :
 MSVOA_X
 ClientSampleId :
 22-MW-3SDL

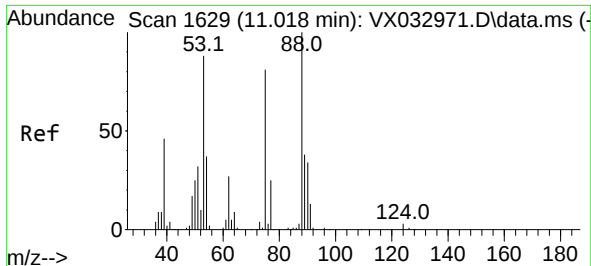
Tgt Ion:152 Resp: 78622
 Ion Ratio Lower Upper
 152 100
 115 62.0 44.0 132.0
 150 155.7 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 23.074 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX033180.D
 Acq: 02 Dec 2022 13:06

Tgt Ion: 75 Resp: 34357
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 60.0#

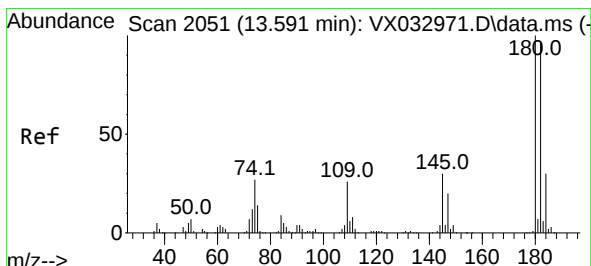
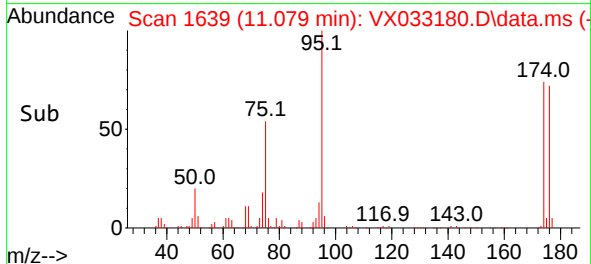
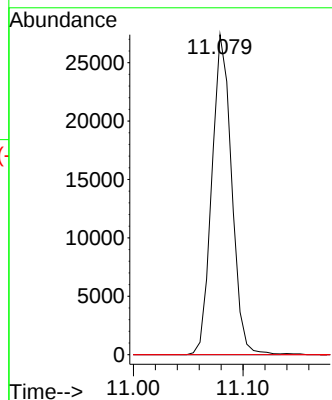
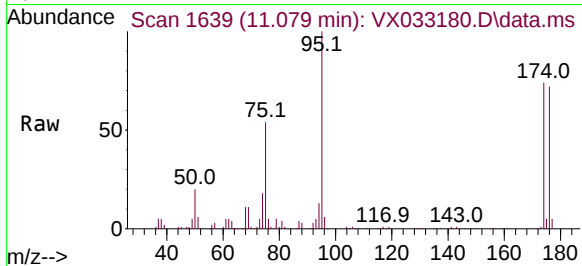




#81
trans-1,4-Dichloro-2-butene
Concen: 75.002 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033180.D
Acq: 02 Dec 2022 13:06

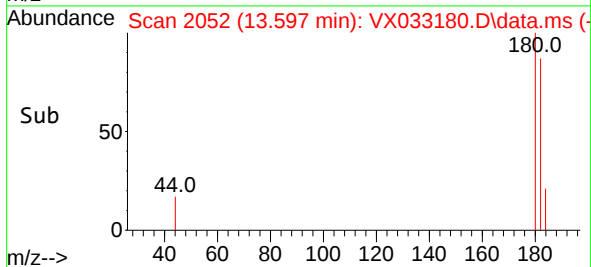
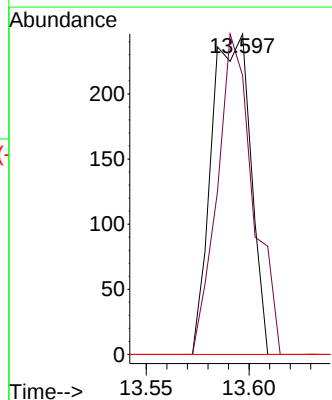
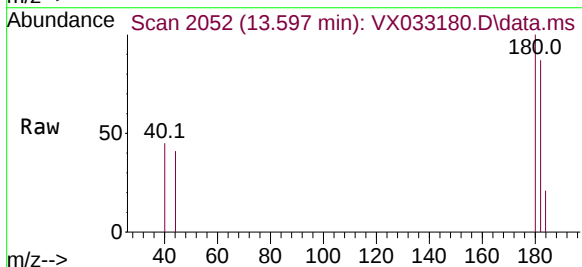
Instrument :
MSVOA_X
ClientSampleId :
22-MW-3SDL

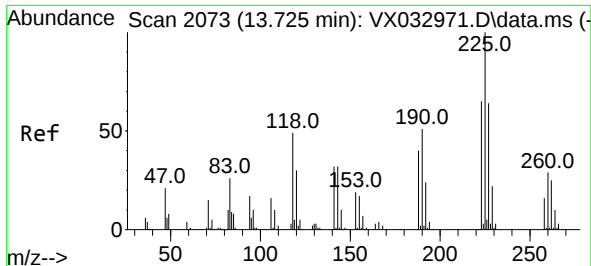
Tgt Ion: 75 Resp: 34357
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.208 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.006 min
Lab File: VX033180.D
Acq: 02 Dec 2022 13:06

Tgt Ion:180 Resp: 324
Ion Ratio Lower Upper
180 100
182 91.7 48.4 145.0
145 0.0 16.2 48.5#

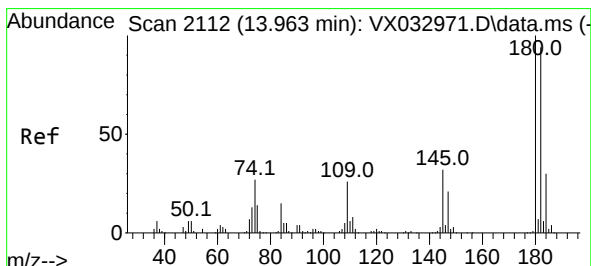
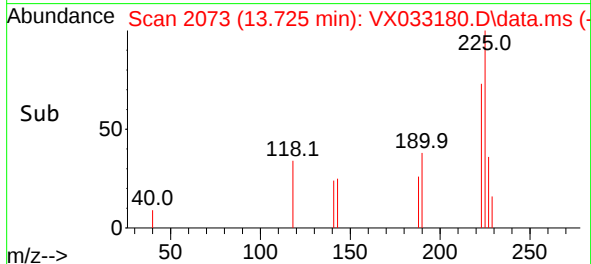
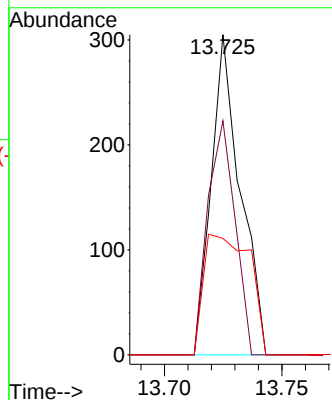
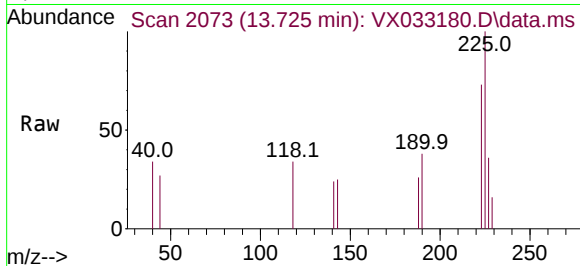




#94
Hexachlorobutadiene
Concen: 0.382 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX033180.D
Acq: 02 Dec 2022 13:06

Instrument :
MSVOA_X
ClientSampleId :
22-MW-3SDL

Tgt Ion:225	Resp:	262
Ion	Ratio	Lower Upper
225	100	
223	68.3	31.9 95.9
227	59.2	31.9 95.5



#96
1,2,3-Trichlorobenzene
Concen: 0.212 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX033180.D
Acq: 02 Dec 2022 13:06

Tgt Ion:180	Resp:	331
Ion	Ratio	Lower Upper
180	100	
182	89.7	47.5 142.6
145	6.9	16.9 50.6#

