

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090222\
 Data File : VX031069.D
 Acq On : 02 Sep 2022 16:02
 Operator : JC/MD
 Sample : N4297-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 03 00:50:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

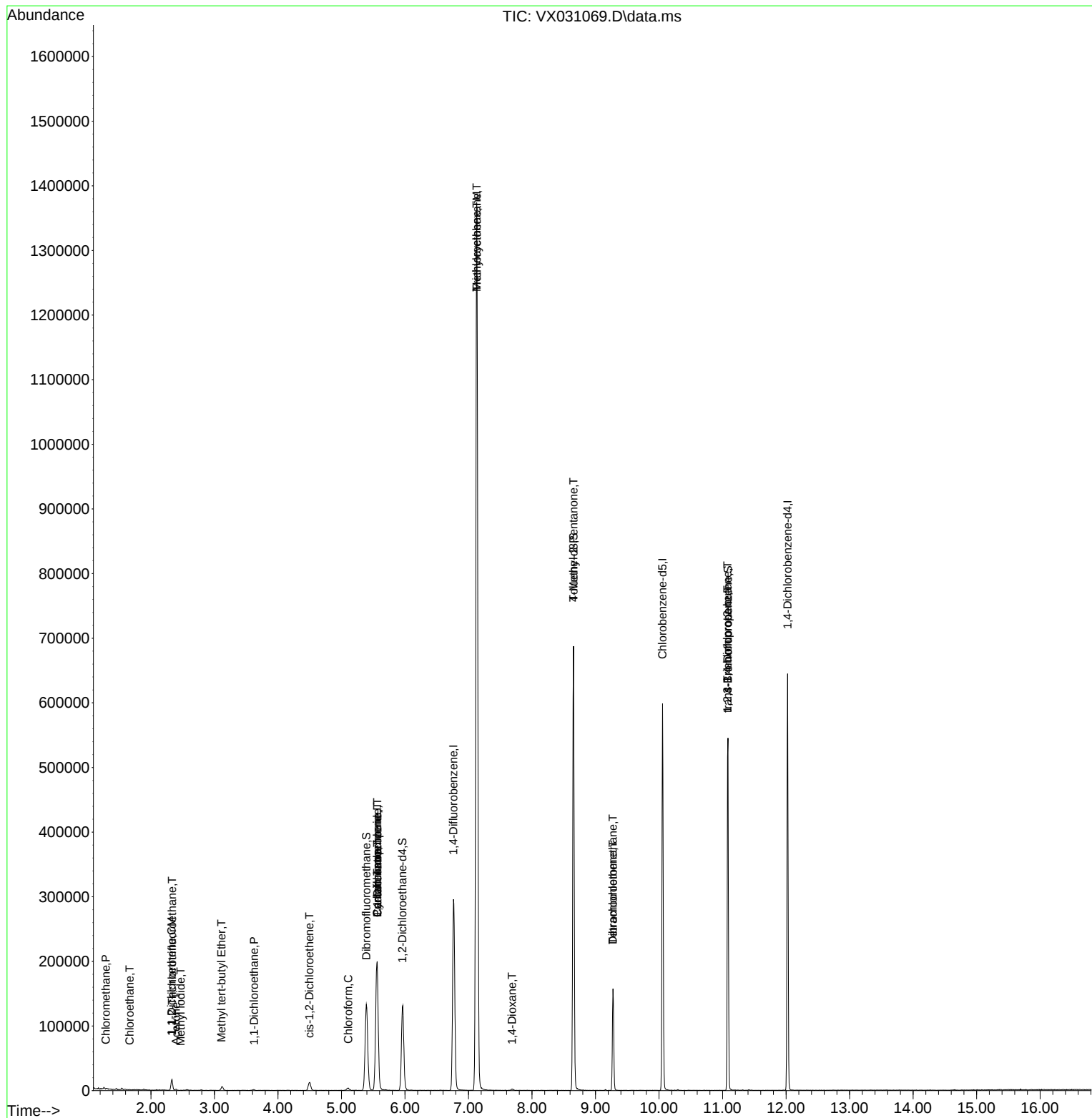
Internal Standards						
1) Pentafluorobenzene	5.562	168	204160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	330541	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	295708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	140627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	126943	48.324	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.640%
35) Dibromofluoromethane	5.391	113	121948	50.555	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.120%
50) Toluene-d8	8.653	98	436664	49.187	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.380%
62) 4-Bromofluorobenzene	11.085	95	150944	48.139	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.280%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	239	0.818	ug/l #	42
6) Chloroethane	1.666	64	59	1.776	ug/l #	62
9) 1,1,2-Trichlorotrifluo...	2.331	101	5213	2.123	ug/l	87
10) Methyl Iodide	2.465	142	23	2.918	ug/l #	45
11) Tert butyl alcohol	2.965	59	19	Below Cal	#	74
12) 1,1-Dichloroethene	2.325	96	1684	0.710	ug/l #	76
16) Acetone	2.392	43	1061	1.046	ug/l #	70
19) Methyl tert-butyl Ether	3.111	73	6927	0.948	ug/l #	83
20) Methylene Chloride	2.800	84	561	Below Cal	#	55
24) 1,1-Dichloroethane	3.623	63	1807	0.423	ug/l #	82
27) cis-1,2-Dichloroethene	4.495	96	8969	3.032	ug/l	83
30) Chloroform	5.105	83	4447	0.948	ug/l	94
31) Cyclohexane	5.562	56	3238	0.902	ug/l #	18
36) 1,1-Dichloropropene	5.562	75	13426	3.974	ug/l #	48
38) Carbon Tetrachloride	5.562	117	19530	5.569	ug/l #	19
39) Methylcyclohexane	7.129	83	5962	1.424	ug/l #	1
44) Trichloroethene	7.129	130	564312	183.792	ug/l	100
49) 1,4-Dioxane	7.684	88	2001	28.402	ug/l #	80
51) 4-Methyl-2-Pentanone	8.653	43	1145	0.388	ug/l #	1
60) Dibromochloromethane	9.275	129	30746	11.072	ug/l #	11
64) Tetrachloroethene	9.275	164	34017	11.521	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	68549	20.620	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	68549	64.805	ug/l #	12

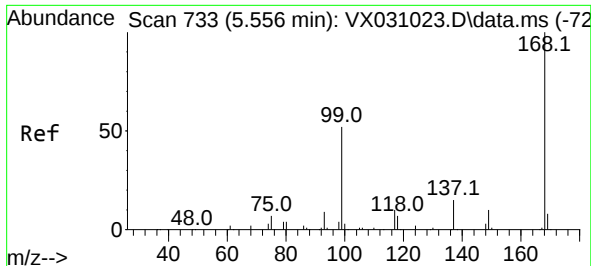
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 03 00:50:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 02 02:49:21 2022
Response via : Initial Calibration

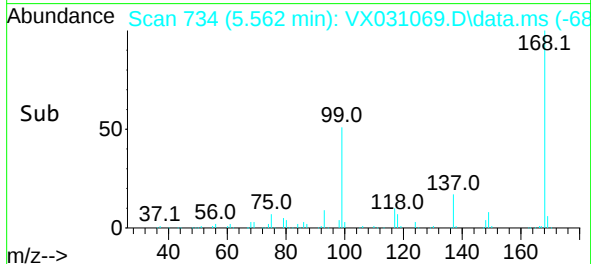
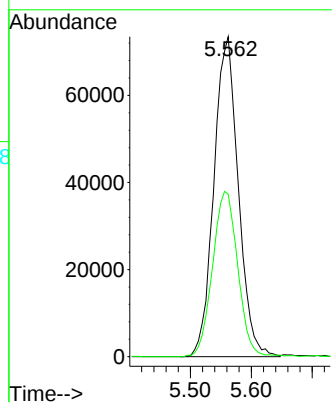
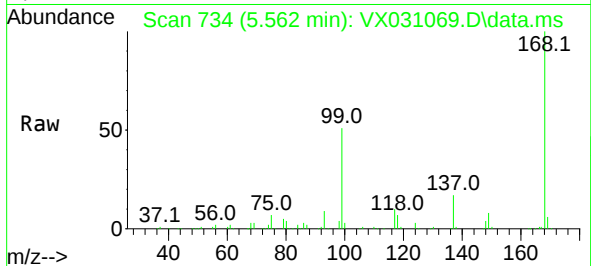




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031069.D
Acq: 02 Sep 2022 16:02

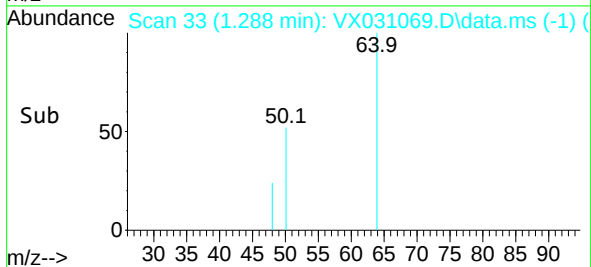
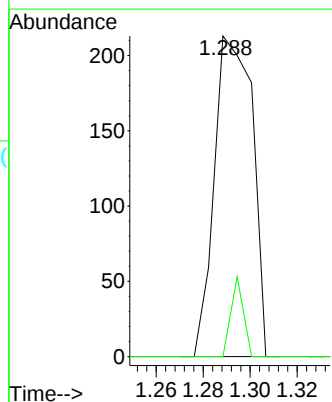
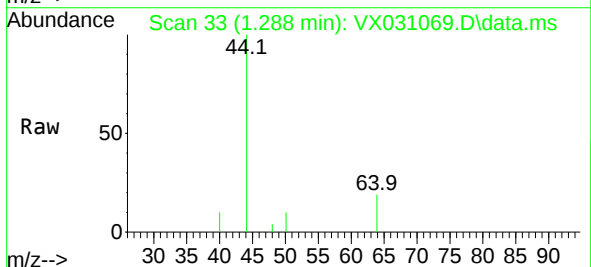
Instrument :
MSVOA_X
ClientSampleId :

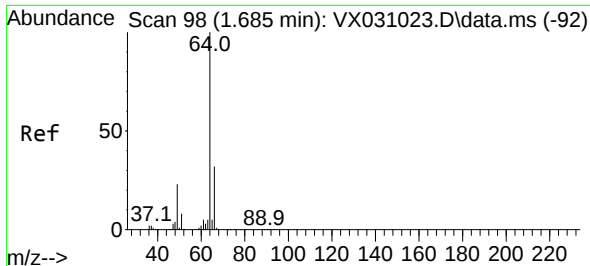
Tgt Ion:168 Resp: 204160
Ion Ratio Lower Upper
168 100
99 50.8 44.0 66.0



#3
Chloromethane
Concen: 0.818 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031069.D
Acq: 02 Sep 2022 16:02

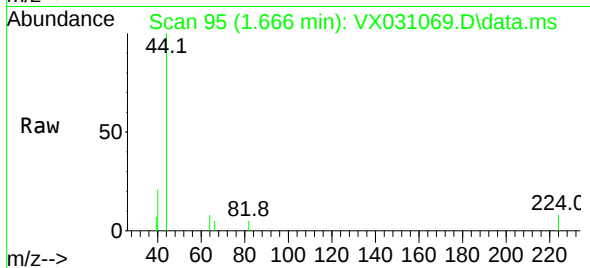
Tgt Ion: 50 Resp: 239
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#



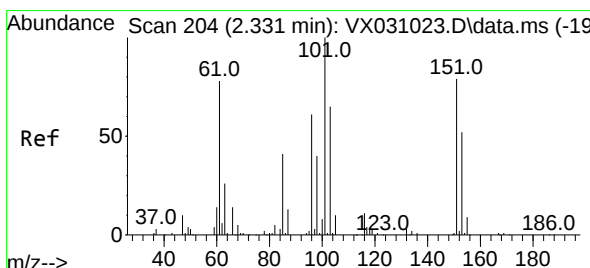
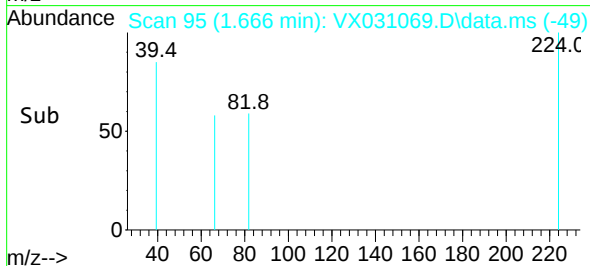
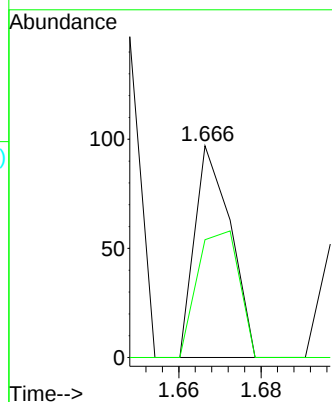


#6
Chloroethane
Concen: 1.776 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.019 min
Lab File: VX031069.D
Acq: 02 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :

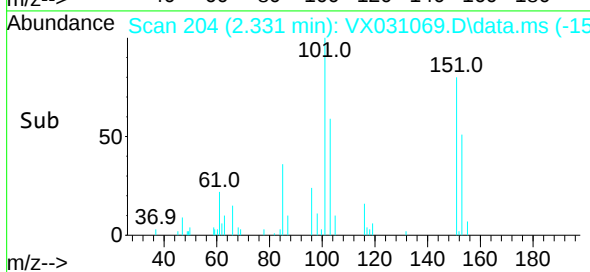
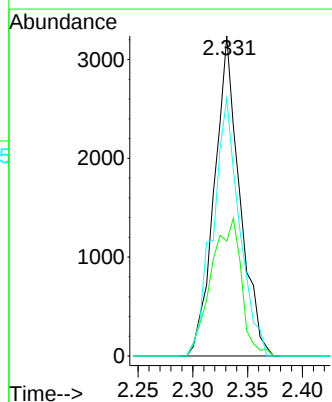
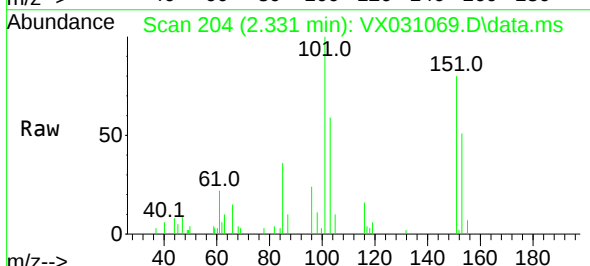


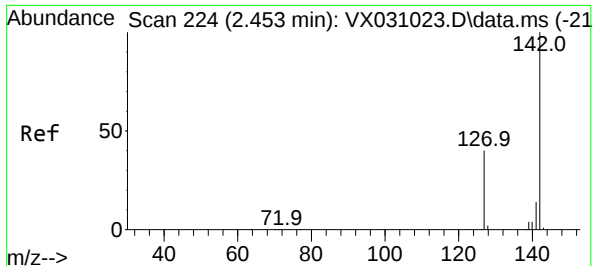
Tgt Ion: 64 Resp: 59
Ion Ratio Lower Upper
64 100
66 55.7 27.2 40.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.123 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX031069.D
Acq: 02 Sep 2022 16:02

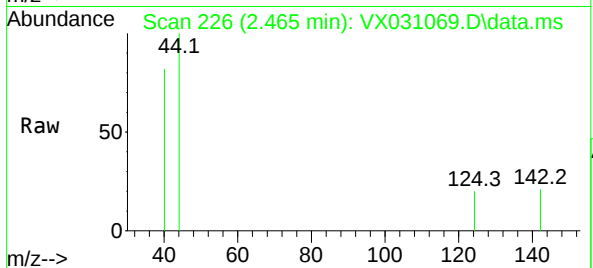
Tgt Ion: 101 Resp: 5213
Ion Ratio Lower Upper
101 100
85 50.8 34.0 51.0
151 84.5 59.4 89.0



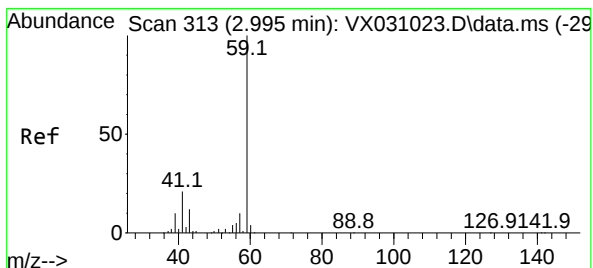
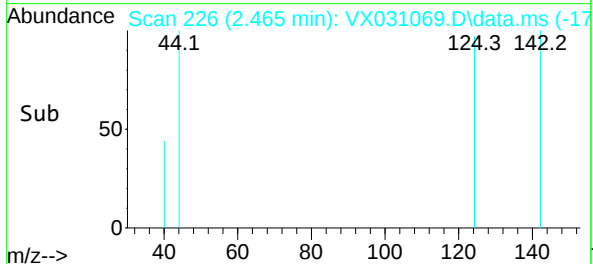
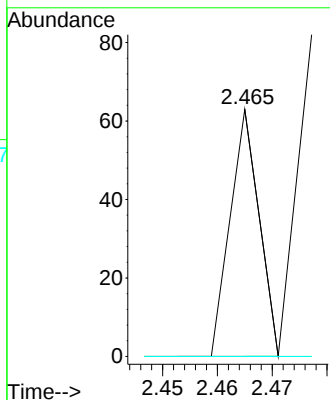


#10
Methyl Iodide
Concen: 2.918 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX031069.D
Acq: 02 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :

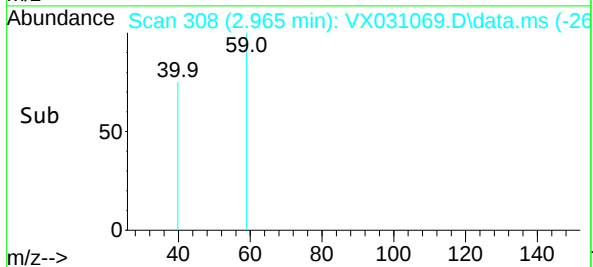
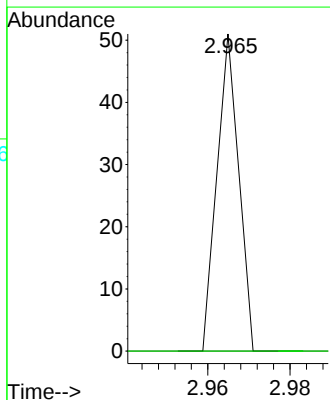
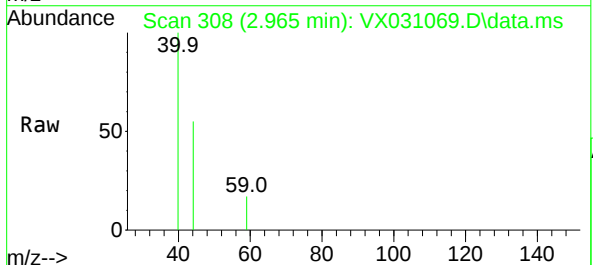


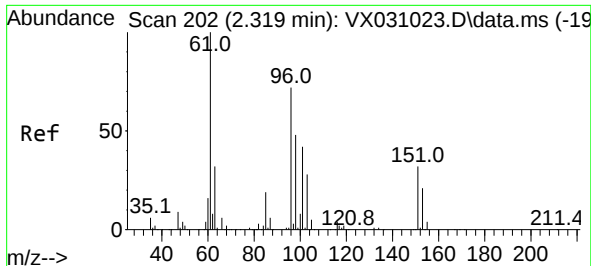
Tgt Ion:142 Resp: 23
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.024 min
Lab File: VX031069.D
Acq: 02 Sep 2022 16:02

Tgt Ion: 59 Resp: 19
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#12

1,1-Dichloroethene

Concen: 0.710 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

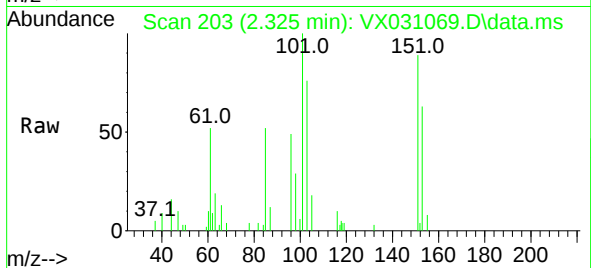
Lab File: VX031069.D

Acq: 02 Sep 2022 16:02

Instrument :

MSVOA_X

ClientSampleId :



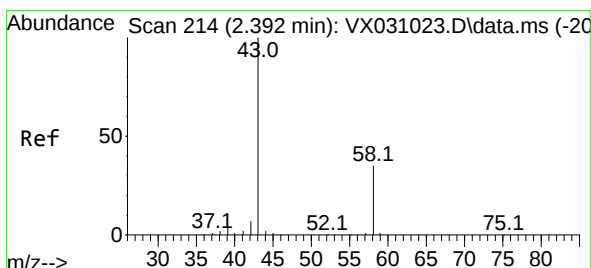
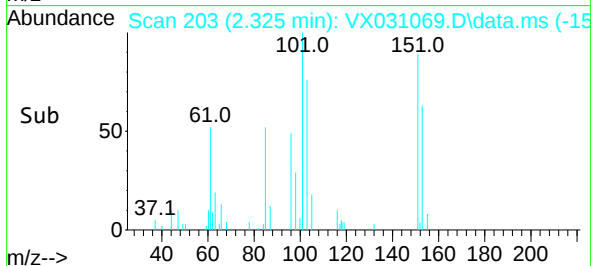
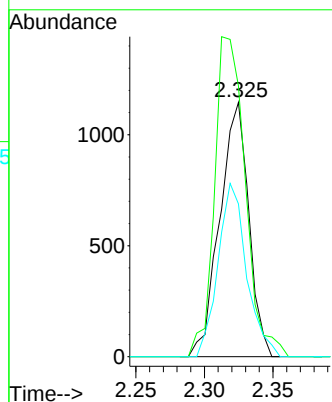
Tgt Ion: 96 Resp: 1684

Ion Ratio Lower Upper

96 100

61 106.5 117.4 176.0#

98 60.1 52.2 78.4



#16

Acetone

Concen: 1.046 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX031069.D

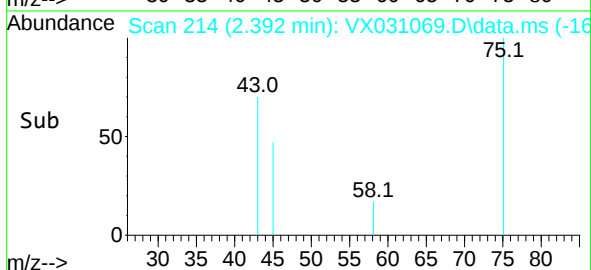
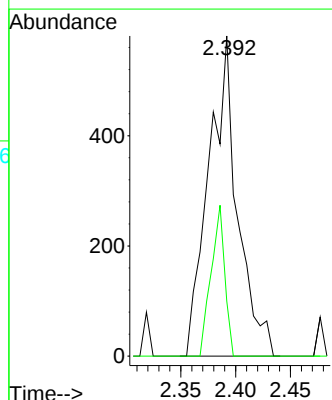
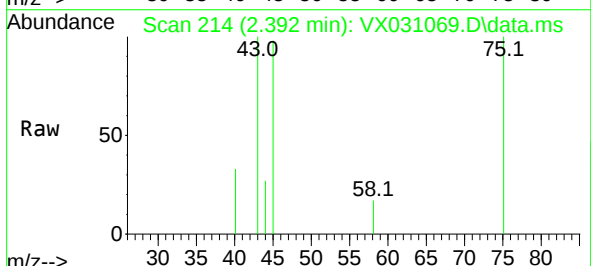
Acq: 02 Sep 2022 16:02

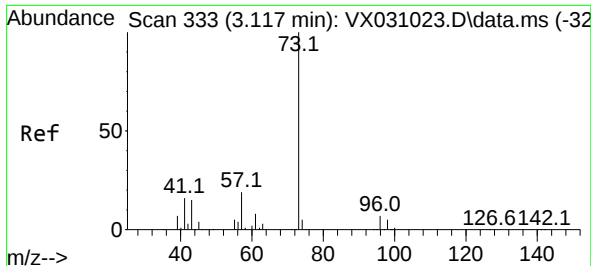
Tgt Ion: 43 Resp: 1061

Ion Ratio Lower Upper

43 100

58 17.2 27.7 41.5#





#19

Methyl tert-butyl Ether

Concen: 0.948 ug/l

RT: 3.111 min Scan# 31

Delta R.T. -0.006 min

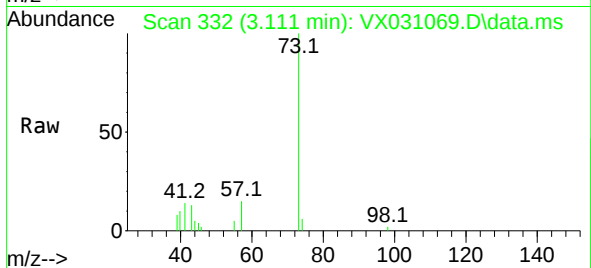
Lab File: VX031069.D

Acq: 02 Sep 2022 16:02

Instrument :

MSVOA_X

ClientSampleId :

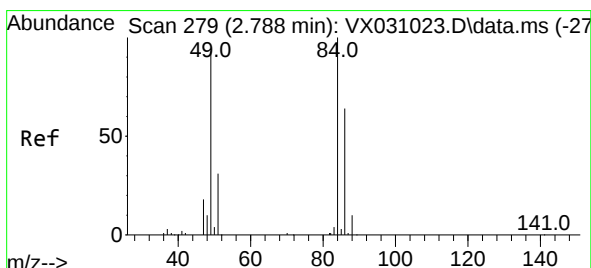
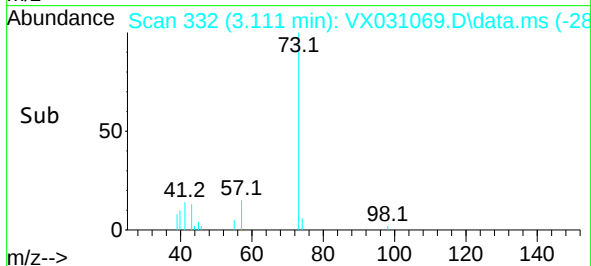
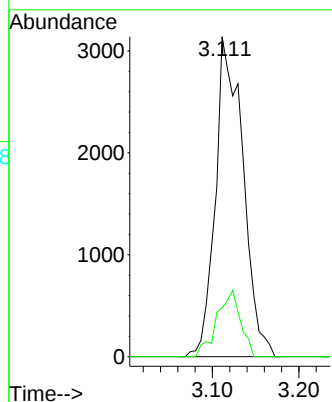


Tgt Ion: 73 Resp: 6927

Ion Ratio Lower Upper

73 100

57 15.3 19.0 28.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.800 min Scan# 281

Delta R.T. 0.012 min

Lab File: VX031069.D

Acq: 02 Sep 2022 16:02

Tgt Ion: 84 Resp: 561

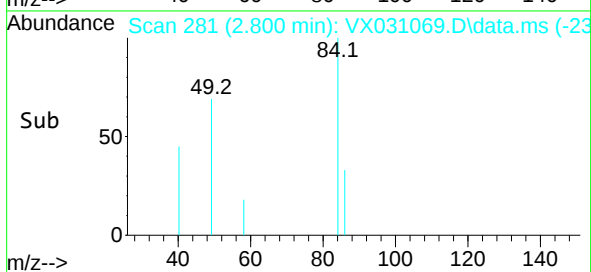
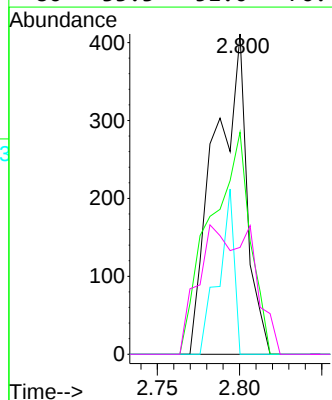
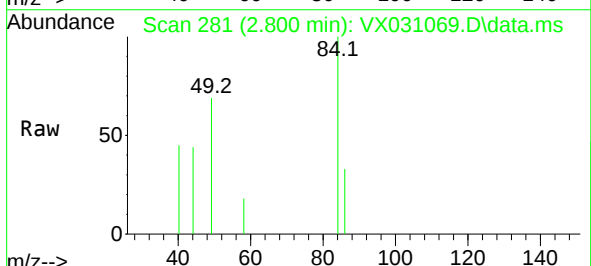
Ion Ratio Lower Upper

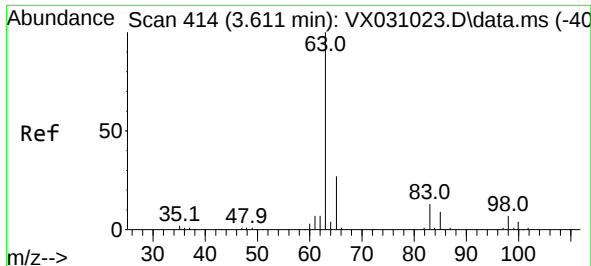
84 100

49 69.3 93.8 140.6#

51 0.0 29.4 44.0#

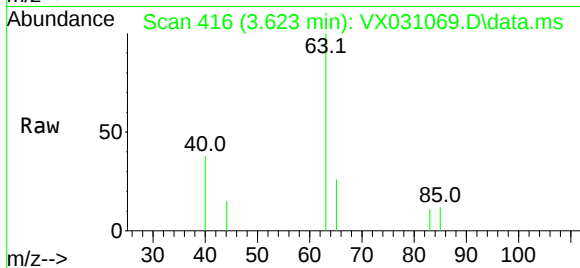
86 33.3 51.0 76.4#



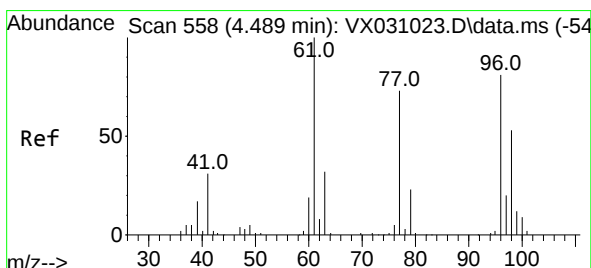
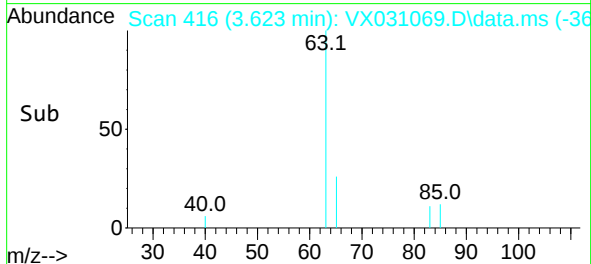
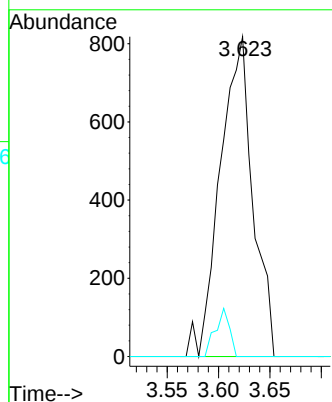


#24
 1,1-Dichloroethane
 Concen: 0.423 ug/l
 RT: 3.623 min Scan# 414
 Delta R.T. 0.012 min
 Lab File: VX031069.D
 Acq: 02 Sep 2022 16:02

Instrument :
 MSVOA_X
 ClientSampleId :

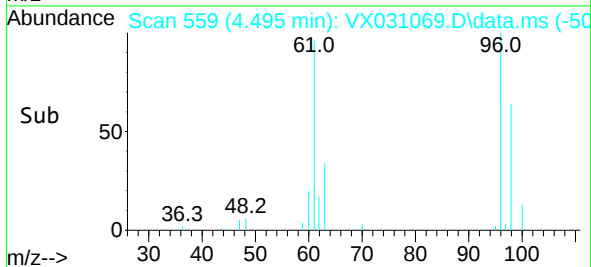
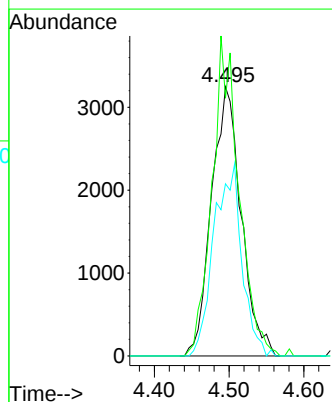
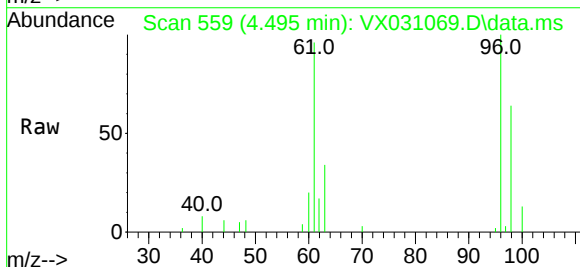


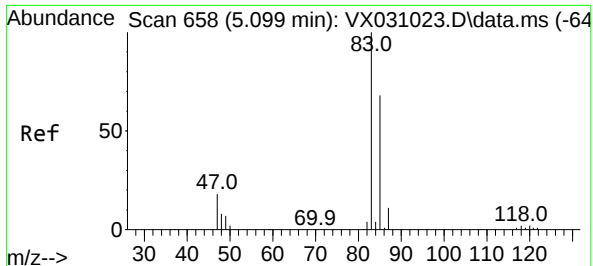
Tgt Ion: 63 Resp: 1807
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.5 10.5#
 100 0.0 2.3 6.9#



#27
 cis-1,2-Dichloroethene
 Concen: 3.032 ug/l
 RT: 4.495 min Scan# 559
 Delta R.T. 0.006 min
 Lab File: VX031069.D
 Acq: 02 Sep 2022 16:02

Tgt Ion: 96 Resp: 8969
 Ion Ratio Lower Upper
 96 100
 61 107.8 0.0 270.0
 98 67.3 0.0 127.8





#30

Chloroform

Concen: 0.948 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX031069.D

Acq: 02 Sep 2022 16:02

Instrument :

MSVOA_X

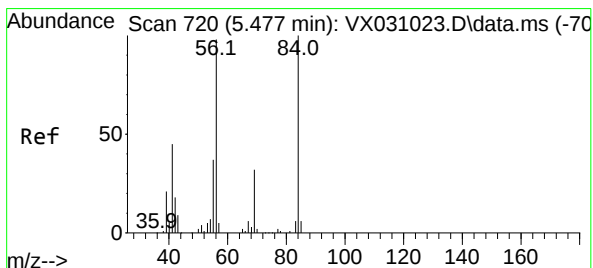
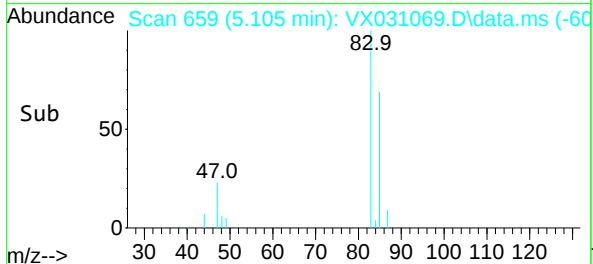
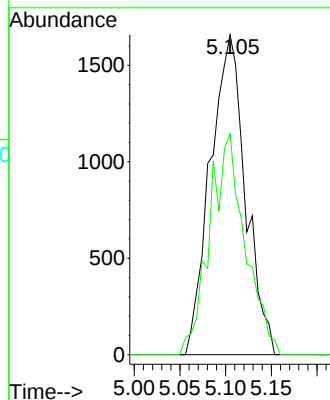
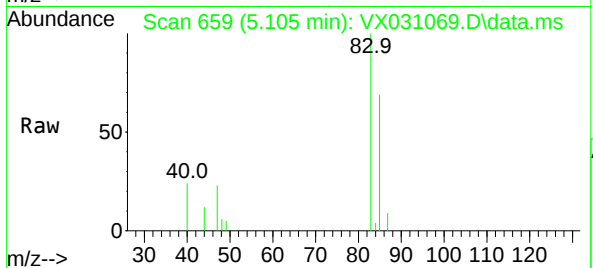
ClientSampleId :

Tgt Ion: 83 Resp: 4447

Ion Ratio Lower Upper

83 100

85 69.0 51.5 77.3



#31

Cyclohexane

Concen: 0.902 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX031069.D

Acq: 02 Sep 2022 16:02

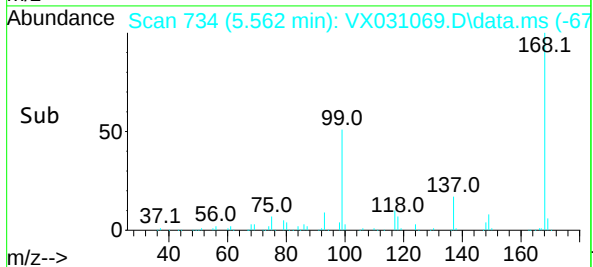
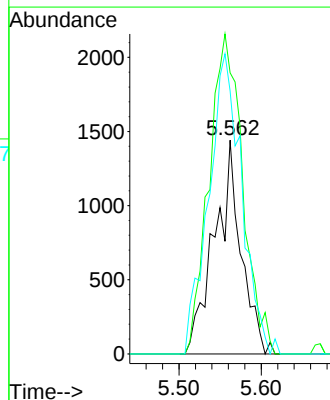
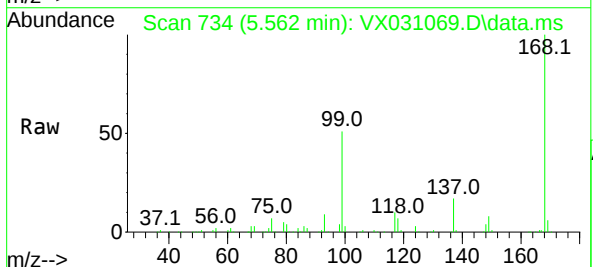
Tgt Ion: 56 Resp: 3238

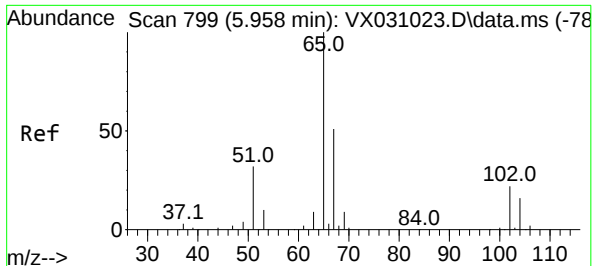
Ion Ratio Lower Upper

56 100

69 131.5 25.4 38.0#

84 128.6 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 48.324 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031069.D

Acq: 02 Sep 2022 16:02

Instrument :

MSVOA_X

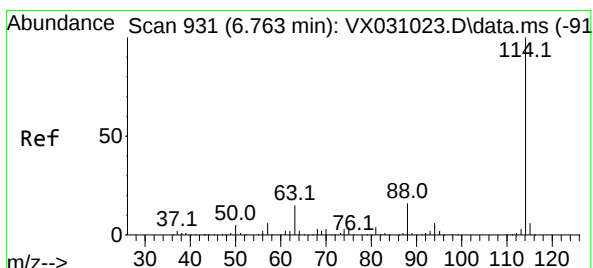
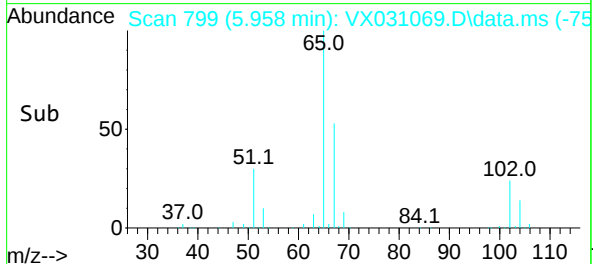
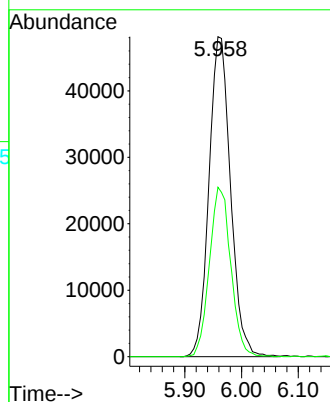
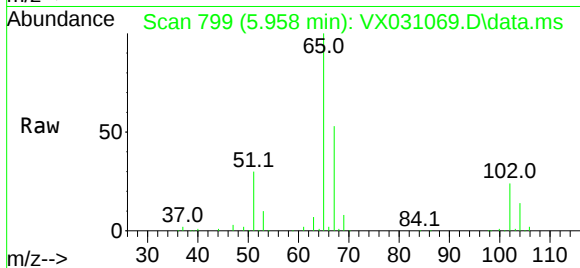
ClientSampleId :

Tgt Ion: 65 Resp: 126943

Ion Ratio Lower Upper

65 100

67 52.6 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX031069.D

Acq: 02 Sep 2022 16:02

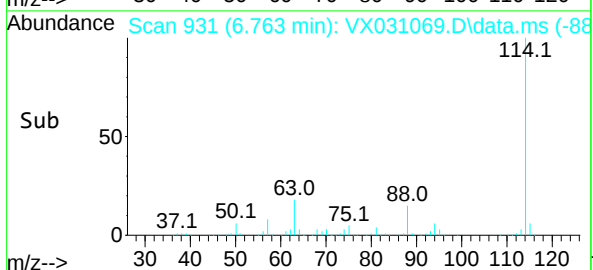
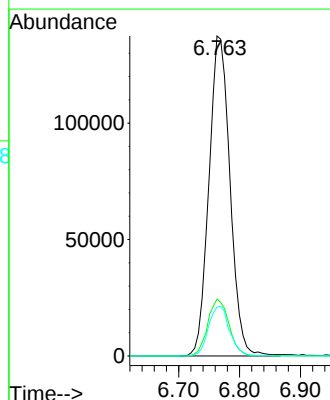
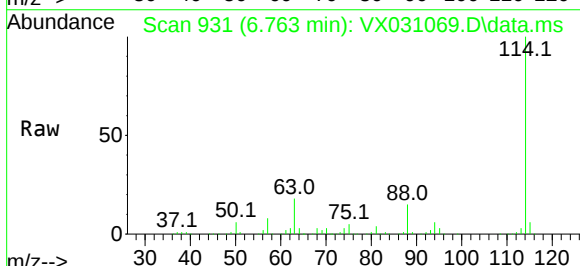
Tgt Ion: 114 Resp: 330541

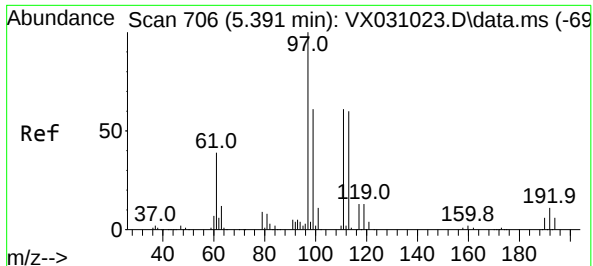
Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.4

88 15.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.555 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

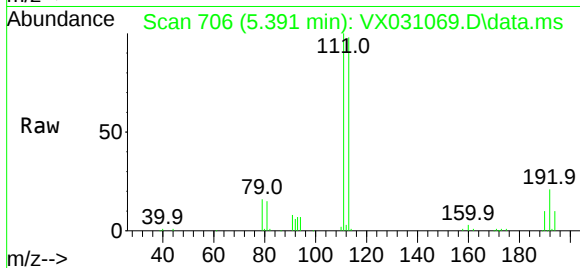
Lab File: VX031069.D

Acq: 02 Sep 2022 16:02

Instrument :

MSVOA_X

ClientSampleId :



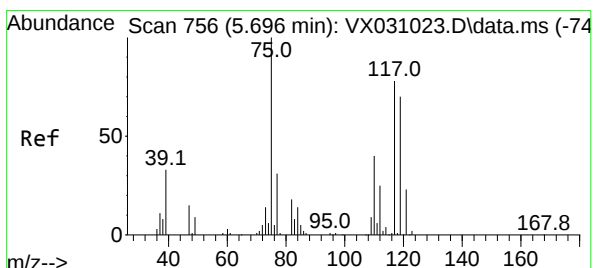
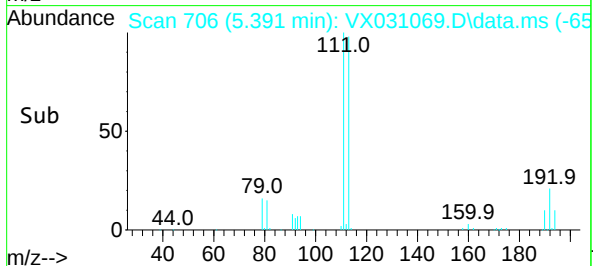
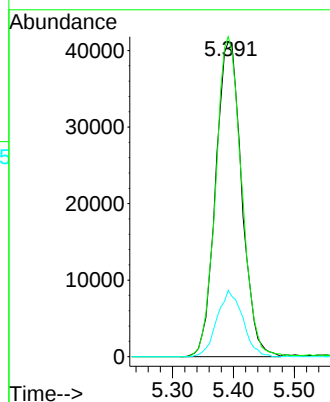
Tgt Ion:113 Resp: 121948

Ion Ratio Lower Upper

113 100

111 101.0 83.2 124.8

192 20.8 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.974 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX031069.D

Acq: 02 Sep 2022 16:02

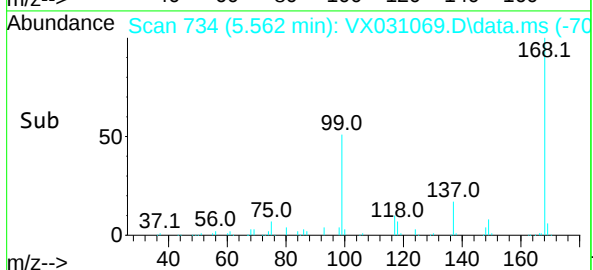
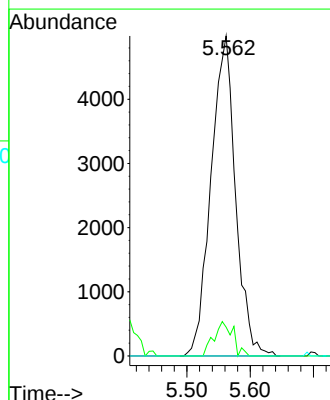
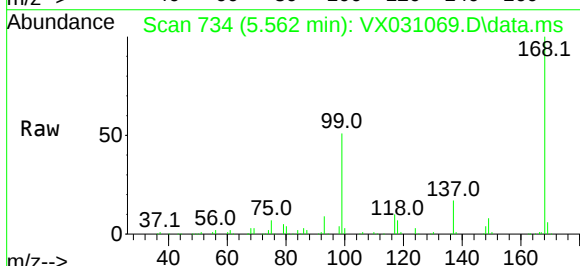
Tgt Ion: 75 Resp: 13426

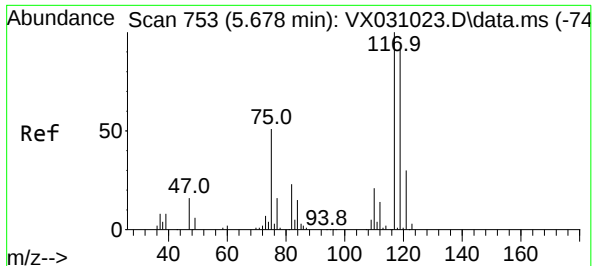
Ion Ratio Lower Upper

75 100

110 8.3 19.3 57.9#

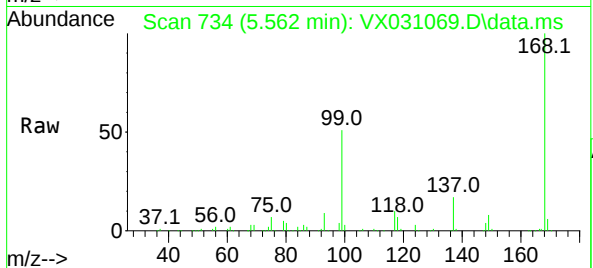
77 0.0 24.4 36.6#



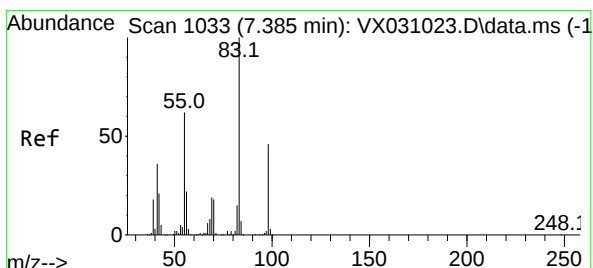
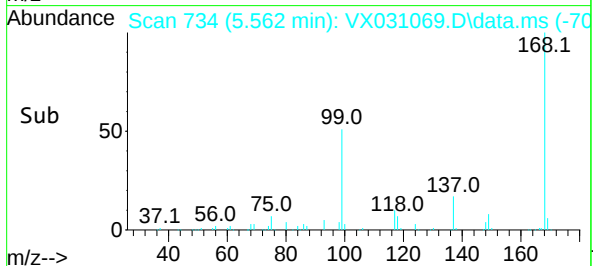
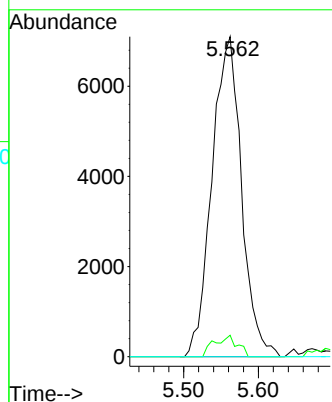


#38
Carbon Tetrachloride
Concen: 5.569 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX031069.D
Acq: 02 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :

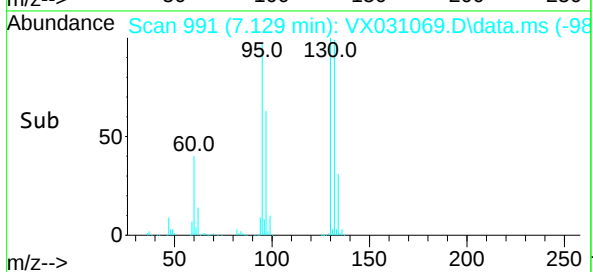
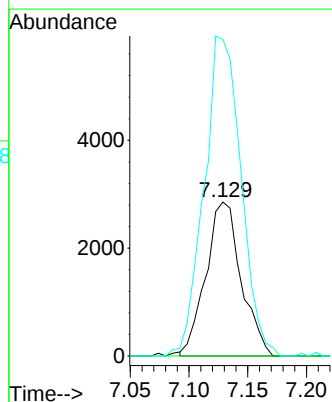
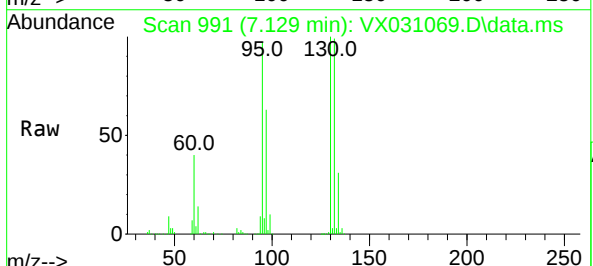


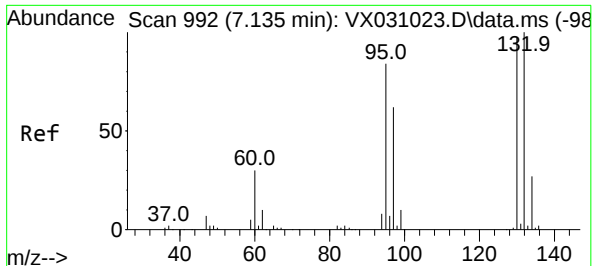
Tgt Ion:117 Resp: 19530
Ion Ratio Lower Upper
117 100
119 6.7 74.1 111.1#
121 0.0 25.8 38.8#



#39
Methylcyclohexane
Concen: 1.424 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX031069.D
Acq: 02 Sep 2022 16:02

Tgt Ion: 83 Resp: 5962
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 205.6 36.5 54.7#

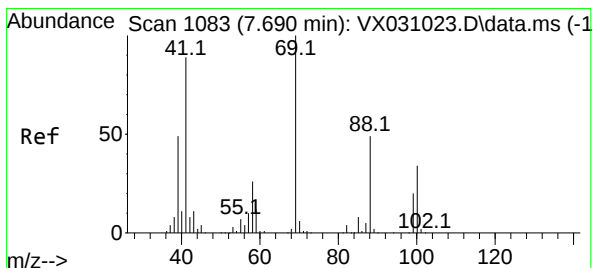
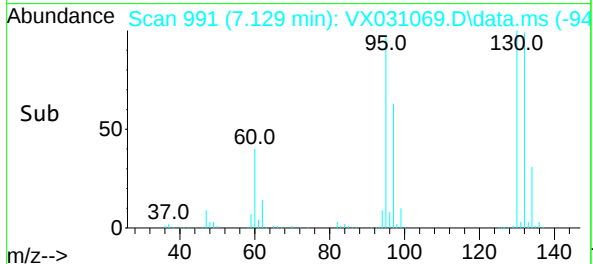
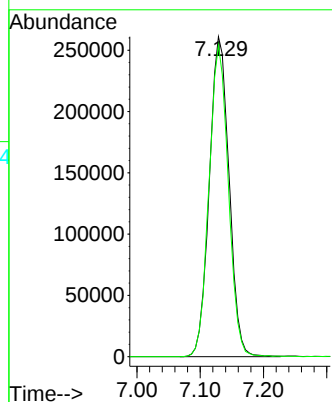
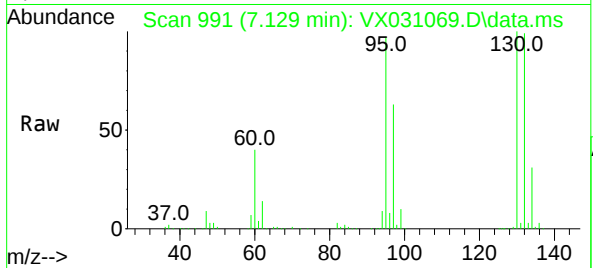




#44
 Trichloroethene
 Concen: 183.792 ug/l
 RT: 7.129 min Scan# 991
 Delta R.T. -0.000 min
 Lab File: VX031069.D
 Acq: 02 Sep 2022 16:02

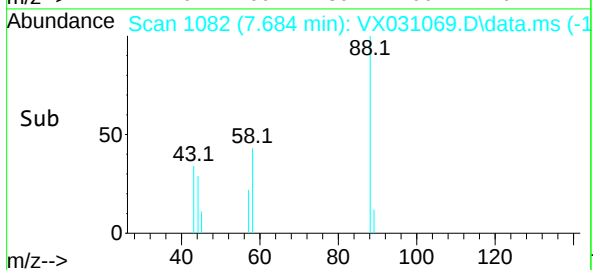
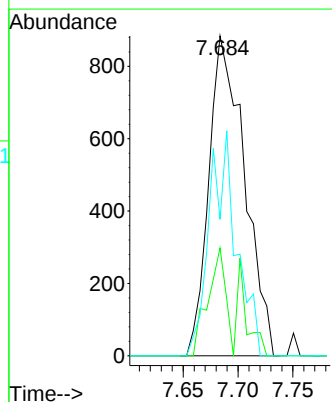
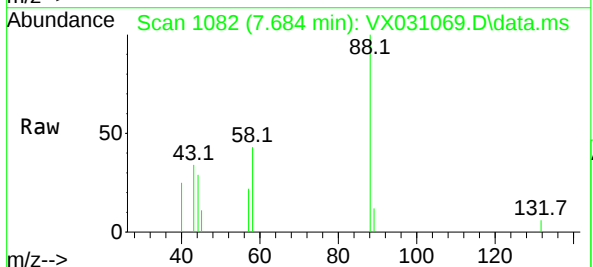
Instrument :
 MSVOA_X
 ClientSampleId :

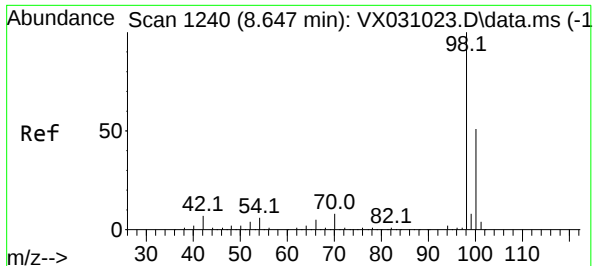
Tgt Ion:130 Resp: 564312
 Ion Ratio Lower Upper
 130 100
 95 97.3 0.0 194.8



#49
 1,4-Dioxane
 Concen: 28.402 ug/l
 RT: 7.684 min Scan# 1082
 Delta R.T. 0.007 min
 Lab File: VX031069.D
 Acq: 02 Sep 2022 16:02

Tgt Ion: 88 Resp: 2001
 Ion Ratio Lower Upper
 88 100
 43 16.9 23.8 35.8#
 58 53.0 53.8 80.6#





#50

Toluene-d8

Concen: 49.187 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX031069.D

Acq: 02 Sep 2022 16:02

Instrument :

MSVOA_X

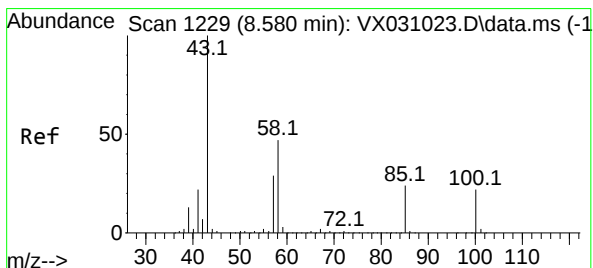
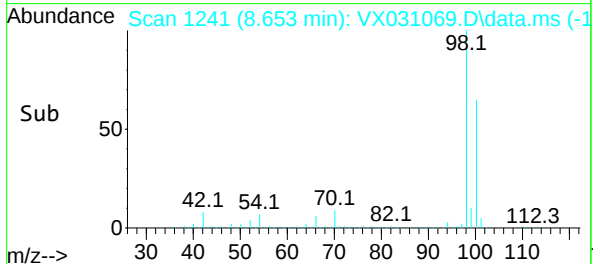
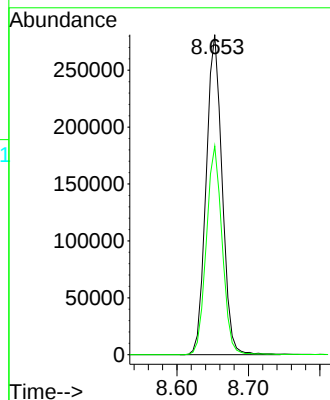
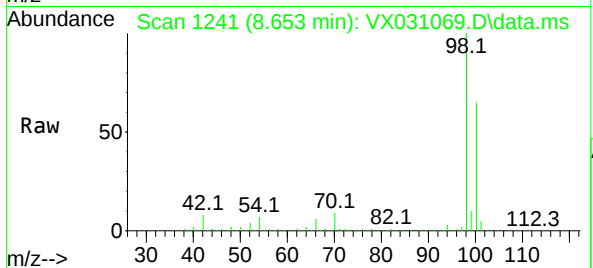
ClientSampleId :

Tgt Ion: 98 Resp: 436664

Ion Ratio Lower Upper

98 100

100 64.6 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 0.388 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.073 min

Lab File: VX031069.D

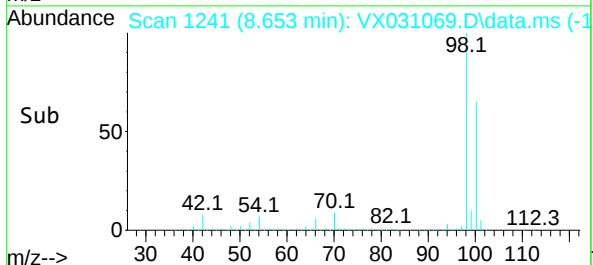
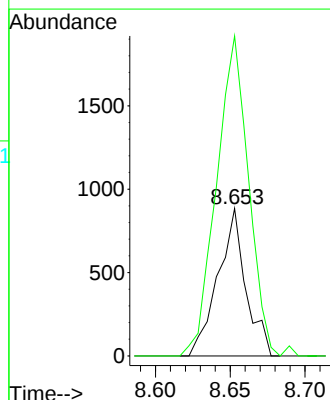
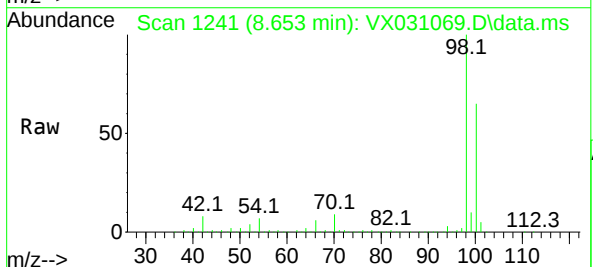
Acq: 02 Sep 2022 16:02

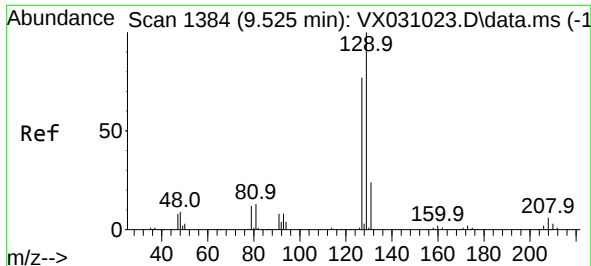
Tgt Ion: 43 Resp: 1145

Ion Ratio Lower Upper

43 100

58 249.3 31.4 47.2#

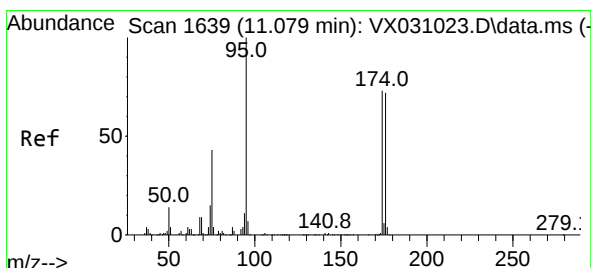
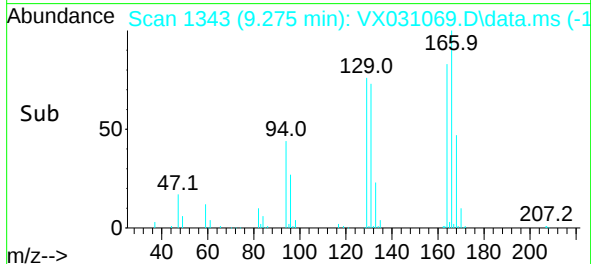
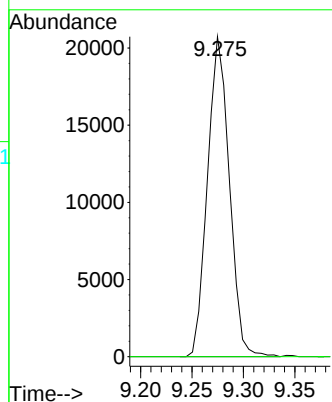
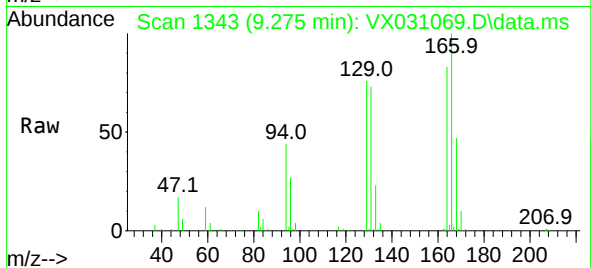




#60
Dibromochloromethane
Concen: 11.072 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX031069.D
Acq: 02 Sep 2022 16:02

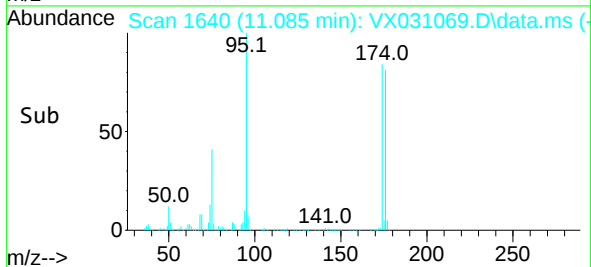
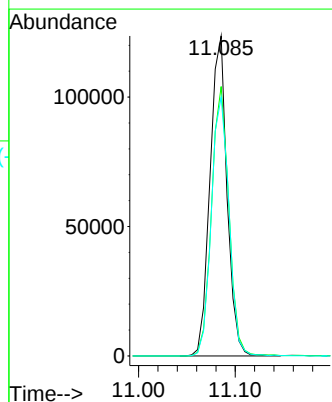
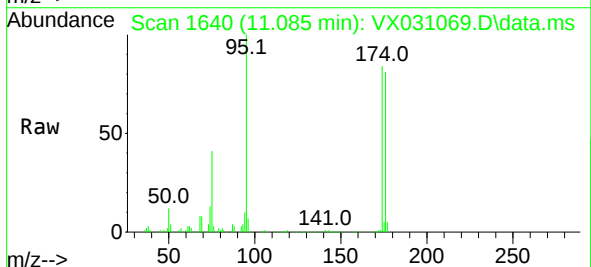
Instrument :
MSVOA_X
ClientSampleId :

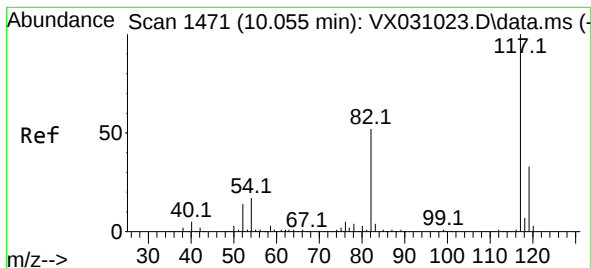
Tgt Ion:129 Resp: 30746
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 48.139 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX031069.D
Acq: 02 Sep 2022 16:02

Tgt Ion: 95 Resp: 150944
Ion Ratio Lower Upper
95 100
174 85.7 0.0 149.0
176 83.9 0.0 146.0

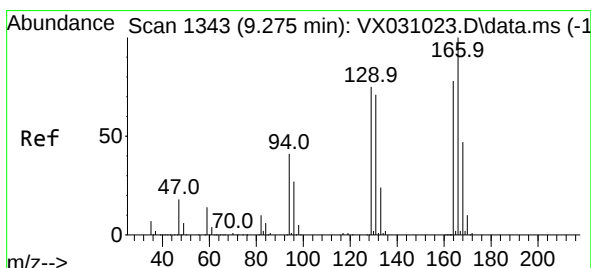
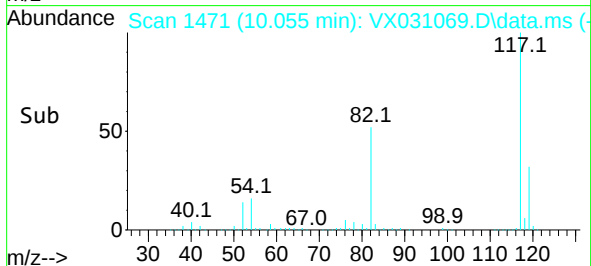
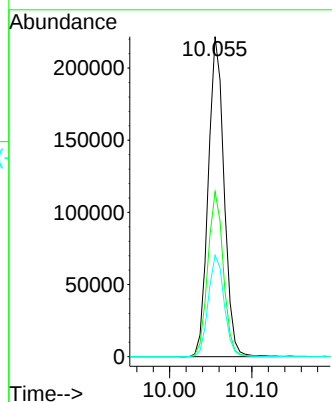
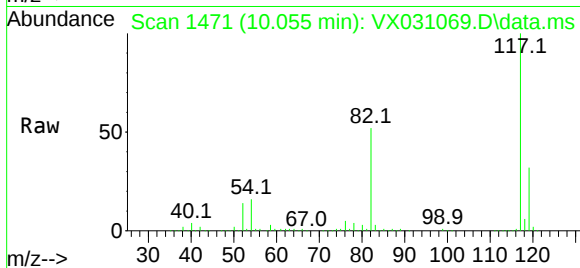




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031069.D
Acq: 02 Sep 2022 16:02

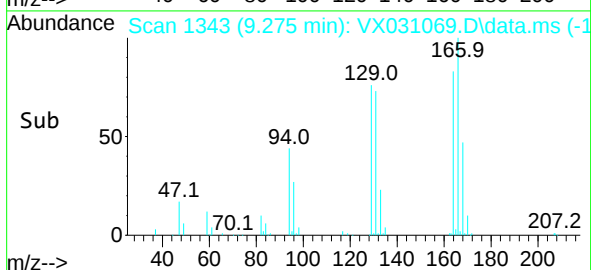
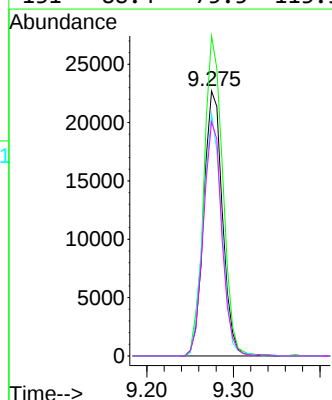
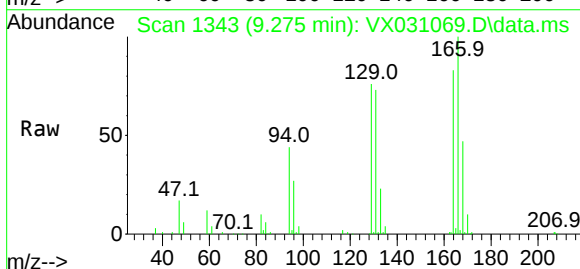
Instrument :
MSVOA_X
ClientSampleId :

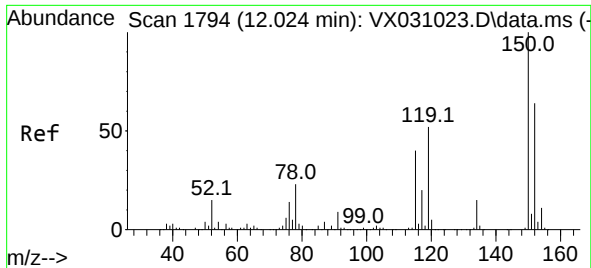
Tgt Ion:117 Resp: 295708
Ion Ratio Lower Upper
117 100
82 51.6 42.7 64.1
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 11.521 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX031069.D
Acq: 02 Sep 2022 16:02

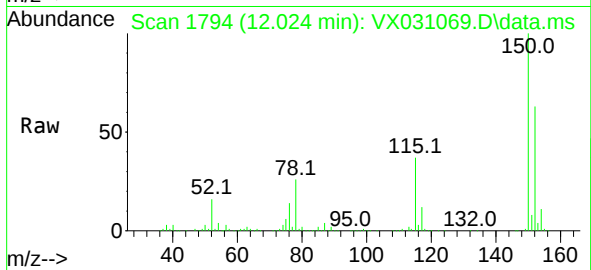
Tgt Ion:164 Resp: 34017
Ion Ratio Lower Upper
164 100
166 120.7 98.2 147.4
129 91.3 80.8 121.2
131 88.4 75.5 113.3



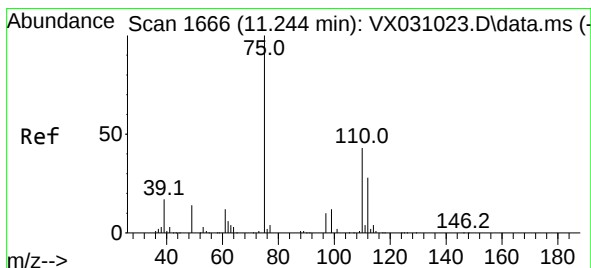
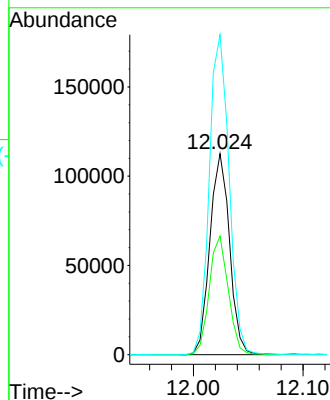
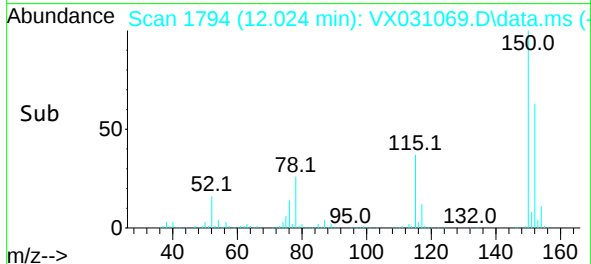


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031069.D
Acq: 02 Sep 2022 16:02

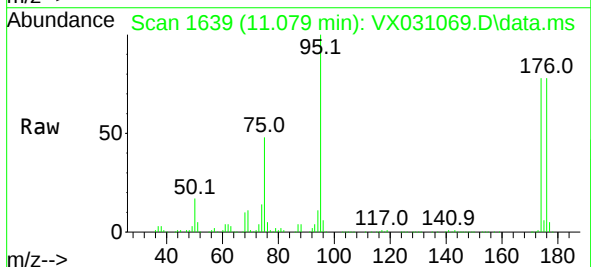
Instrument :
MSVOA_X
ClientSampleId :



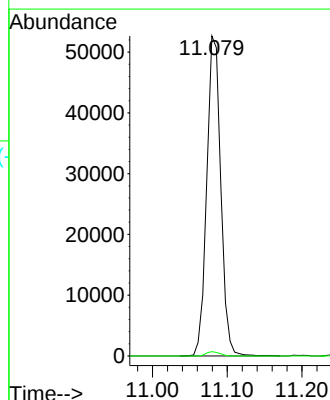
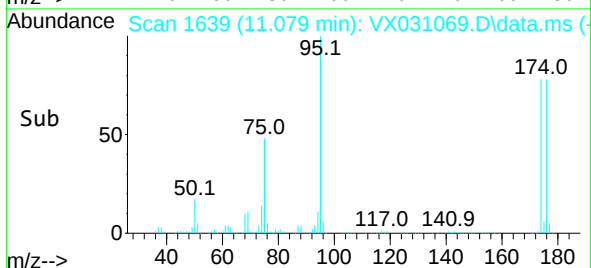
Tgt Ion:152 Resp: 140627
Ion Ratio Lower Upper
152 100
115 57.1 40.5 121.5
150 159.8 0.0 347.0

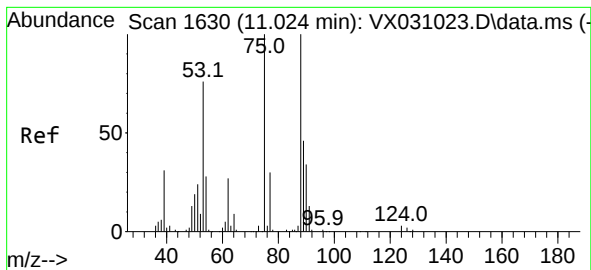


#76
1,2,3-Trichloropropane
Concen: 20.620 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031069.D
Acq: 02 Sep 2022 16:02



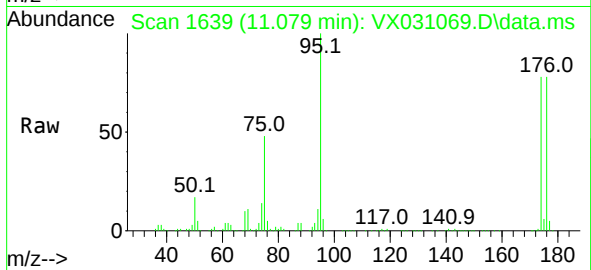
Tgt Ion: 75 Resp: 68549
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.805 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.055 min
 Lab File: VX031069.D
 Acq: 02 Sep 2022 16:02

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 68549
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

