

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083122\
 Data File : VX031008.D
 Acq On : 01 Sep 2022 04:03
 Operator : JC/MD
 Sample : N4454-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-3B-49-54-083022

Quant Time: Sep 06 02:31:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 30 14:24:53 2022
 Response via : Initial Calibration

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

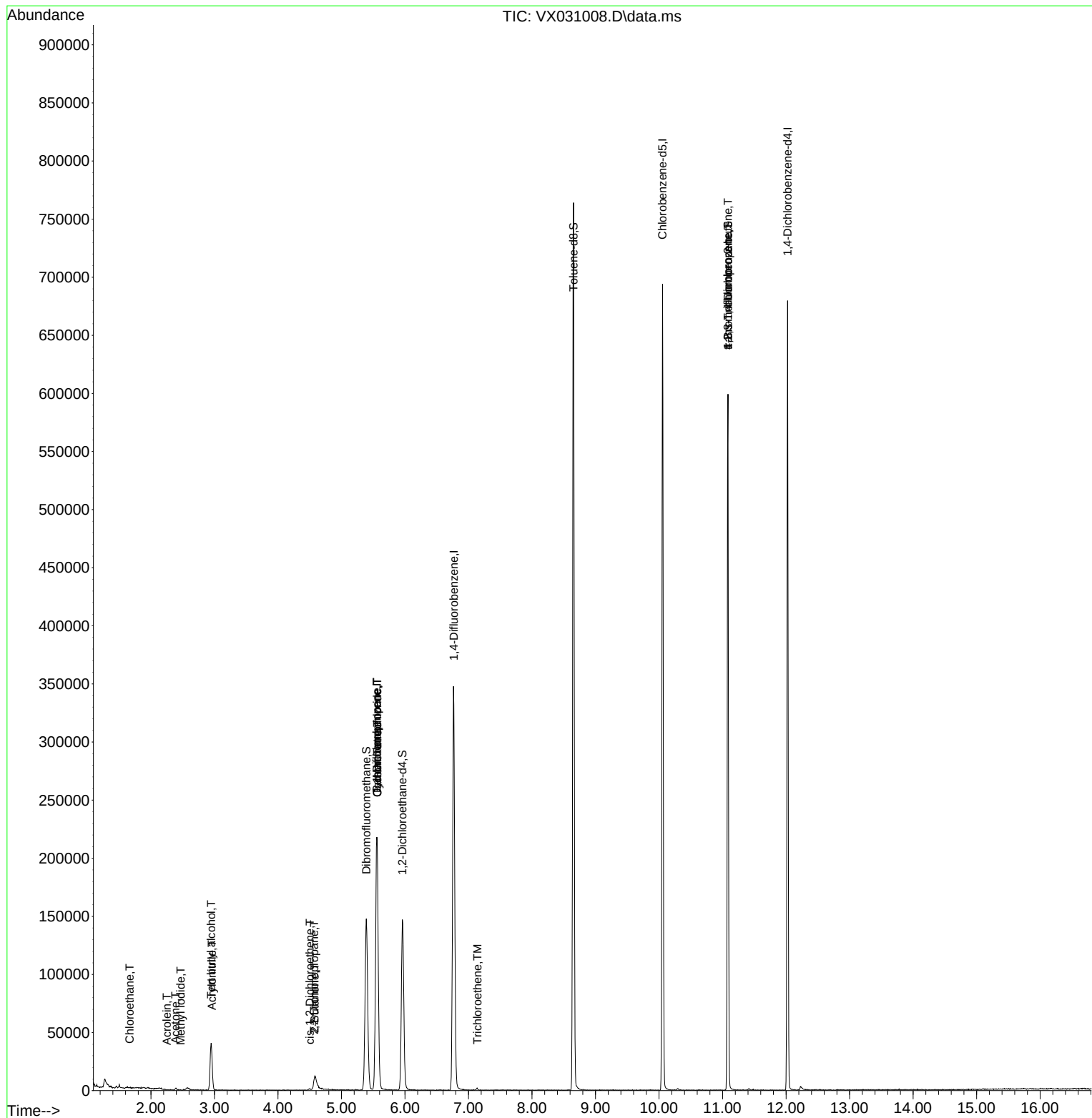
Internal Standards						
1) Pentafluorobenzene	5.556	168	223268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	367210	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	336833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	146072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	143222	44.725	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.440%		
35) Dibromofluoromethane	5.391	113	133881	49.460	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.920%		
50) Toluene-d8	8.653	98	494798	49.359	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.720%		
62) 4-Bromofluorobenzene	11.085	95	165194	46.275	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.560%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	153	Below Cal	#	80
6) Chloroethane	1.666	64	768	0.454	ug/l #	41
10) Methyl Iodide	2.465	142	226	4.457	ug/l #	80
11) Tert butyl alcohol	2.946	59	22557	29.731	ug/l #	79
13) Acrolein	2.251	56	52	7.405	ug/l #	14
15) Acrylonitrile	2.959	53	451	0.269	ug/l #	18
16) Acetone	2.386	43	2136	1.478	ug/l #	68
25) 2-Butanone	4.574	43	700	0.299	ug/l #	48
26) 2,2-Dichloropropane	4.568	77	1097	0.274	ug/l #	49
27) cis-1,2-Dichloroethene	4.501	96	949	0.280	ug/l	81
31) Cyclohexane	5.562	56	3842	0.811	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	15821	3.932	ug/l #	45
38) Carbon Tetrachloride	5.562	117	21955	5.732	ug/l #	17
44) Trichloroethene	7.141	130	826	0.242	ug/l	25
76) 1,2,3-Trichloropropane	11.085	75	76091	21.159	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	76091	62.909	ug/l #	13

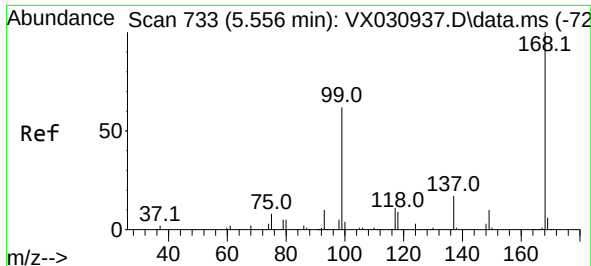
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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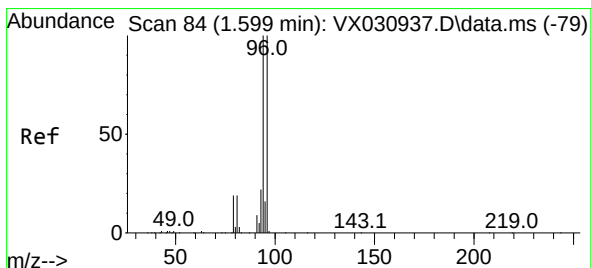
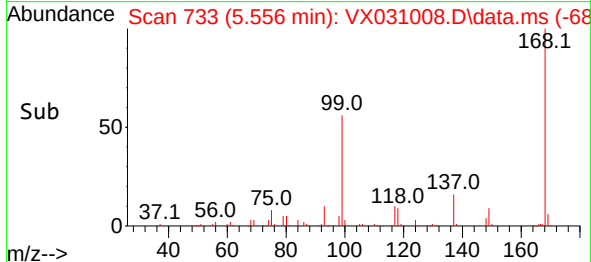
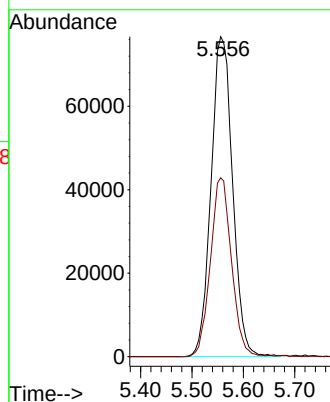
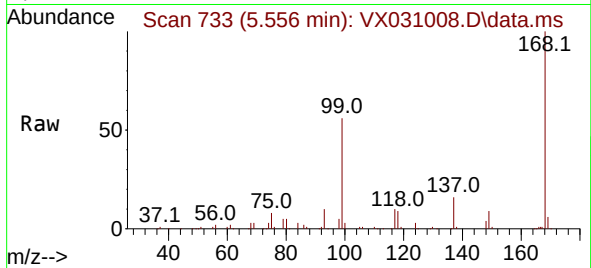




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031008.D
Acq: 01 Sep 2022 04:03

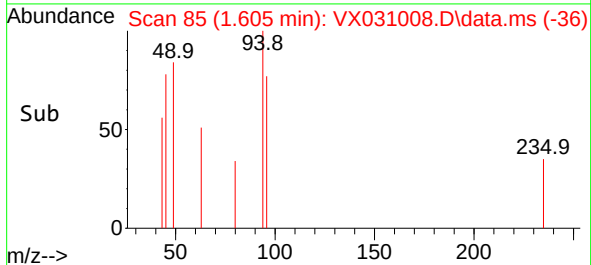
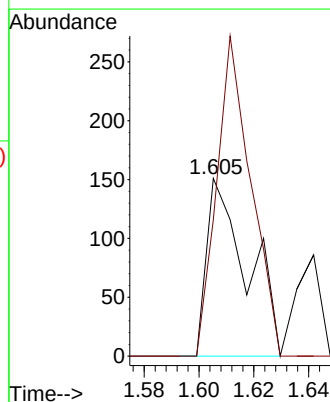
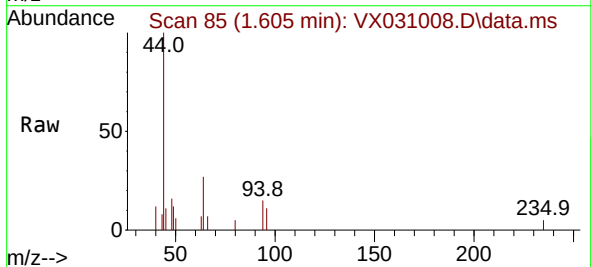
Instrument :
MSVOA_X
ClientSampleId :
OW-3B-49-54-083022

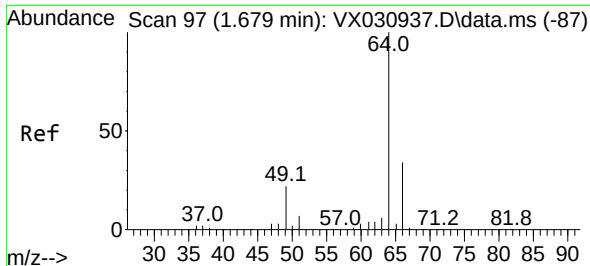
Tgt Ion:168 Resp: 223268
Ion Ratio Lower Upper
168 100
99 55.9 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.000 min
Lab File: VX031008.D
Acq: 01 Sep 2022 04:03

Tgt Ion: 94 Resp: 153
Ion Ratio Lower Upper
94 100
96 76.8 76.9 115.3#

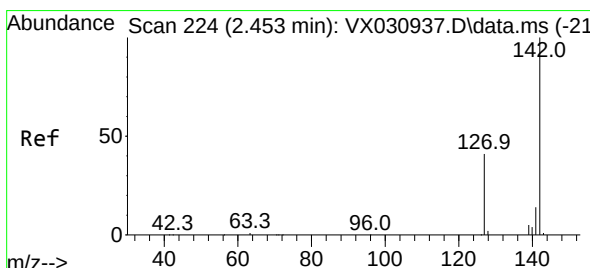
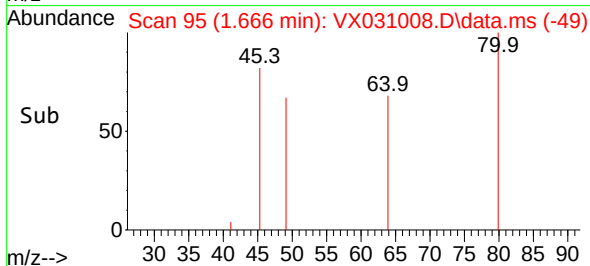
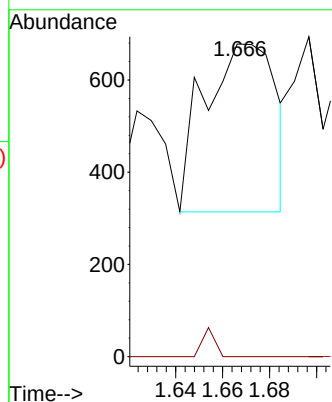
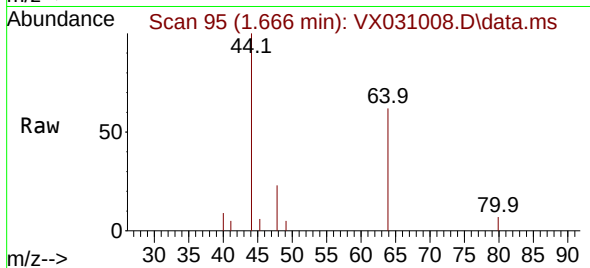




#6
Chloroethane
Concen: 0.454 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.019 min
Lab File: VX031008.D
Acq: 01 Sep 2022 04:03

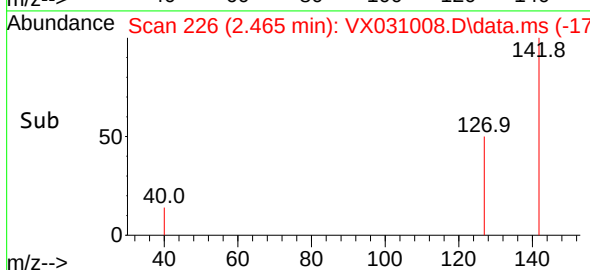
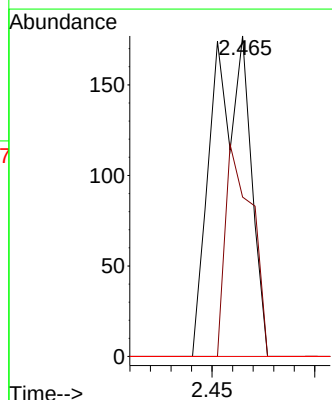
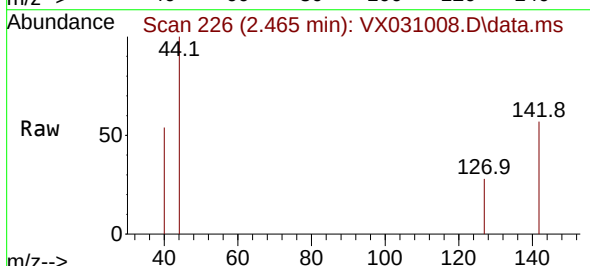
Instrument :
MSVOA_X
ClientSampleId :
OW-3B-49-54-083022

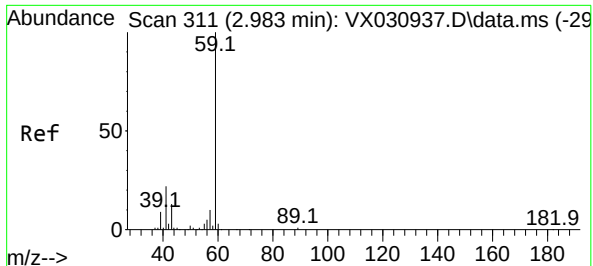
Tgt Ion: 64 Resp: 768
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 4.457 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX031008.D
Acq: 01 Sep 2022 04:03

Tgt Ion: 142 Resp: 226
Ion Ratio Lower Upper
142 100
127 46.5 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 29.731 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.043 min

Lab File: VX031008.D

Acq: 01 Sep 2022 04:03

Instrument :

MSVOA_X

ClientSampleId :

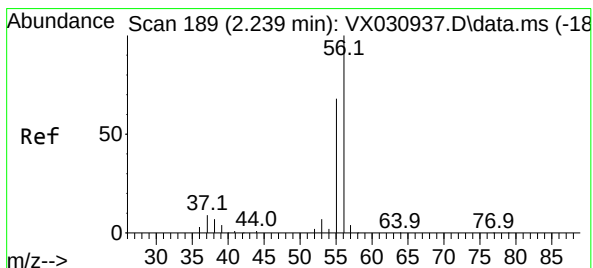
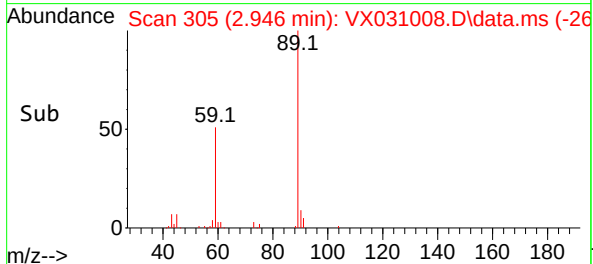
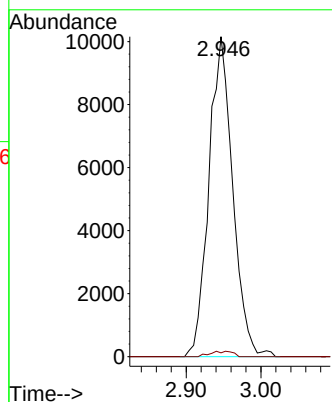
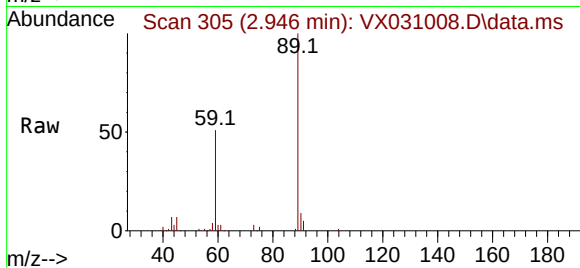
OW-3B-49-54-083022

Tgt Ion: 59 Resp: 22557

Ion Ratio Lower Upper

59 100

57 1.6 7.4 11.2#



#13

Acrolein

Concen: 7.405 ug/l

RT: 2.251 min Scan# 191

Delta R.T. 0.012 min

Lab File: VX031008.D

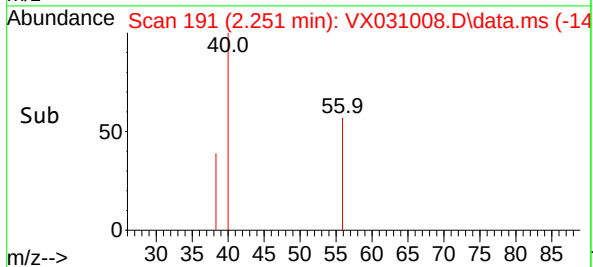
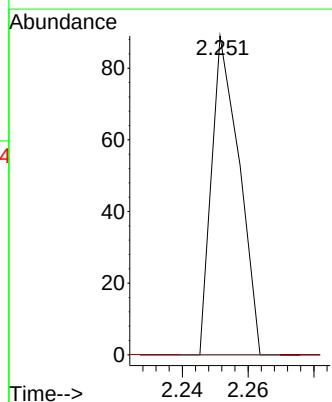
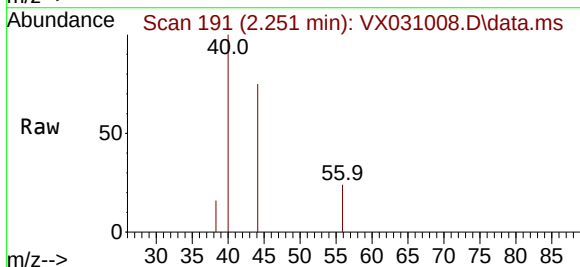
Acq: 01 Sep 2022 04:03

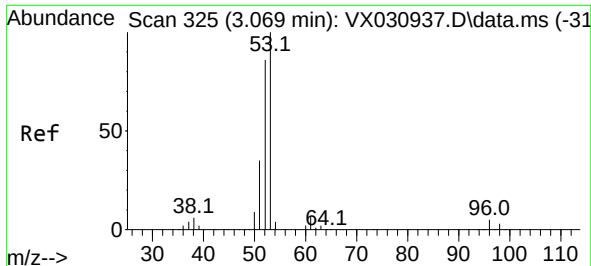
Tgt Ion: 56 Resp: 52

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#

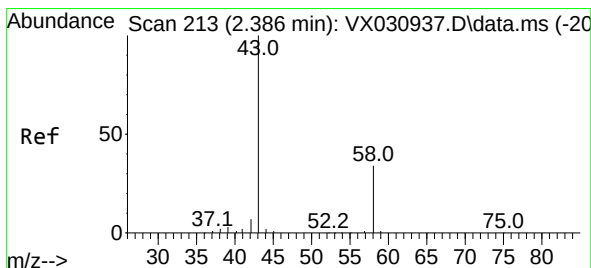
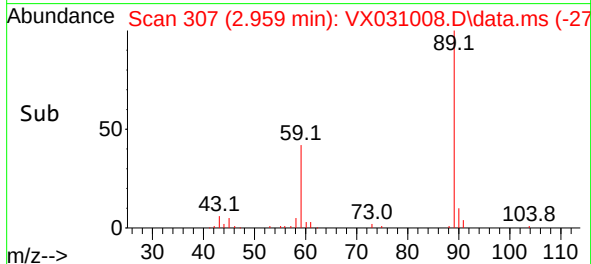
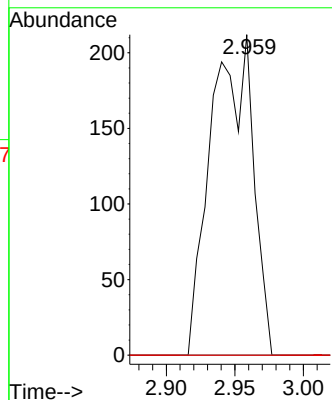
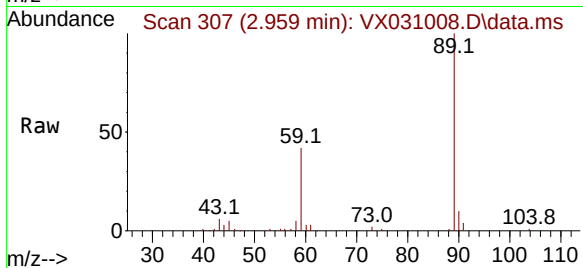




#15
Acrylonitrile
Concen: 0.269 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.110 min
Lab File: VX031008.D
Acq: 01 Sep 2022 04:03

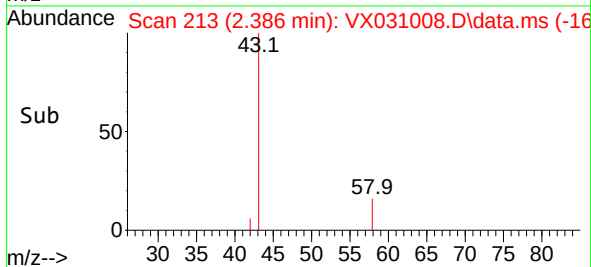
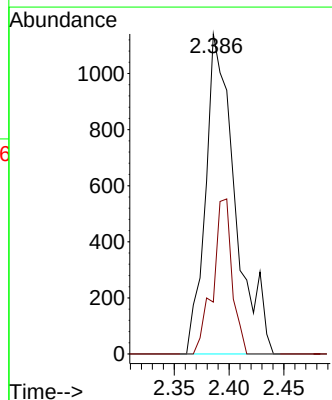
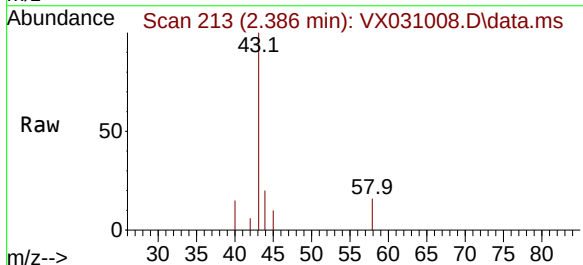
Instrument :
MSVOA_X
ClientSampleId :
OW-3B-49-54-083022

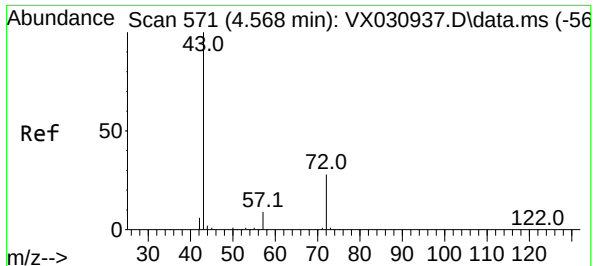
Tgt Ion: 53 Resp: 451
Ion Ratio Lower Upper
53 100
52 0.0 65.4 98.0#
51 0.0 27.7 41.5#



#16
Acetone
Concen: 1.478 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX031008.D
Acq: 01 Sep 2022 04:03

Tgt Ion: 43 Resp: 2136
Ion Ratio Lower Upper
43 100
58 16.2 27.7 41.5#





#25

2-Butanone

Concen: 0.299 ug/l

RT: 4.574 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX031008.D

Acq: 01 Sep 2022 04:03

Instrument :

MSVOA_X

ClientSampleId :

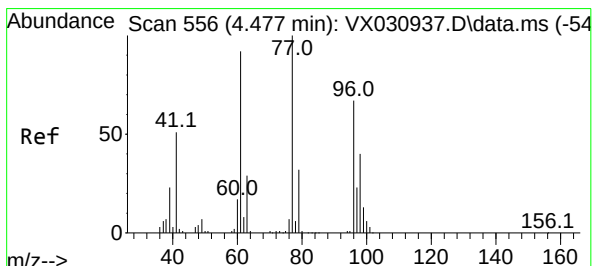
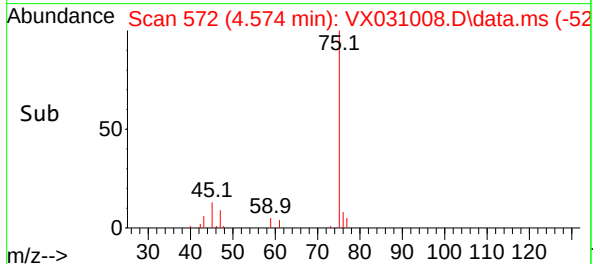
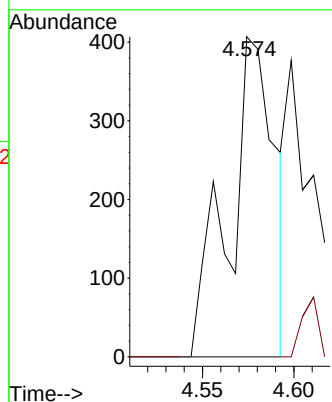
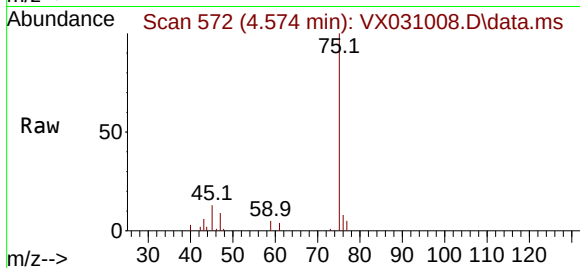
OW-3B-49-54-083022

Tgt Ion: 43 Resp: 700

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#26

2,2-Dichloropropane

Concen: 0.274 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.091 min

Lab File: VX031008.D

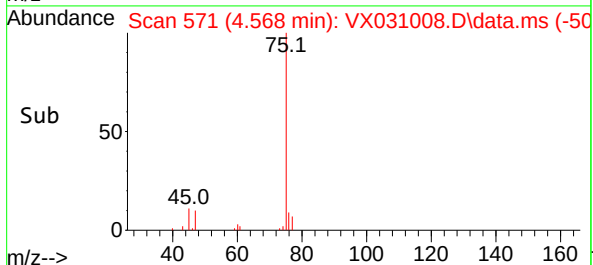
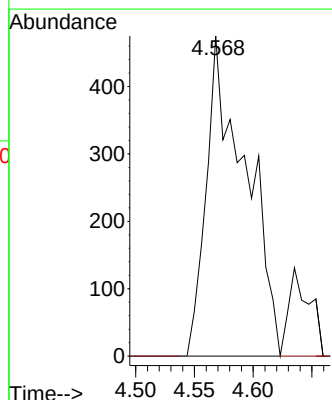
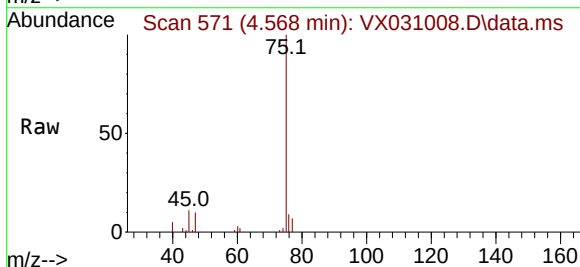
Acq: 01 Sep 2022 04:03

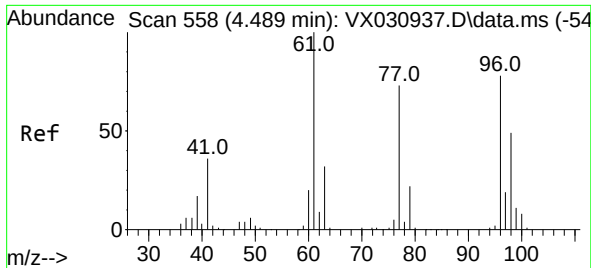
Tgt Ion: 77 Resp: 1097

Ion Ratio Lower Upper

77 100

97 0.0 13.0 39.0#





#27

cis-1,2-Dichloroethene

Concen: 0.280 ug/l

RT: 4.501 min Scan# 50

Delta R.T. 0.012 min

Lab File: VX031008.D

Acq: 01 Sep 2022 04:03

Instrument :

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ClientSampleId :

OW-3B-49-54-083022

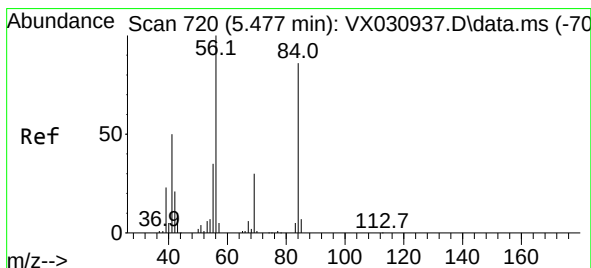
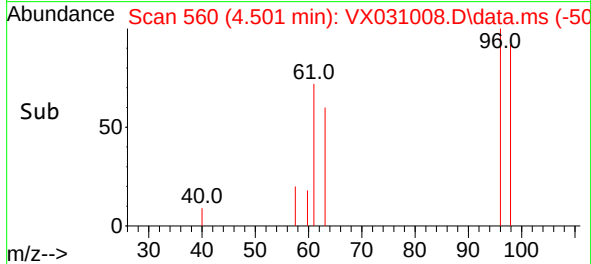
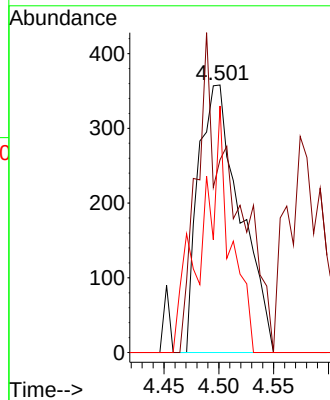
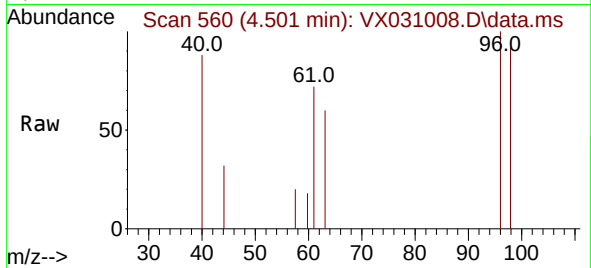
Tgt Ion: 96 Resp: 949

Ion Ratio Lower Upper

96 100

61 103.0 0.0 270.0

98 63.1 0.0 127.8



#31

Cyclohexane

Concen: 0.811 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX031008.D

Acq: 01 Sep 2022 04:03

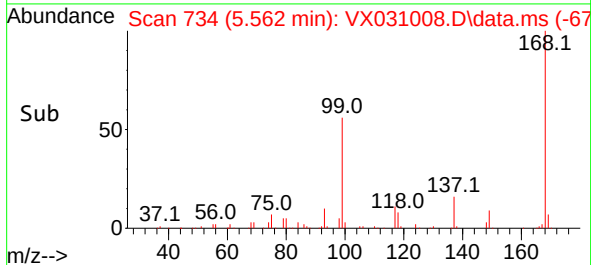
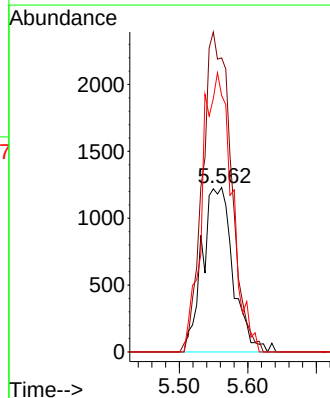
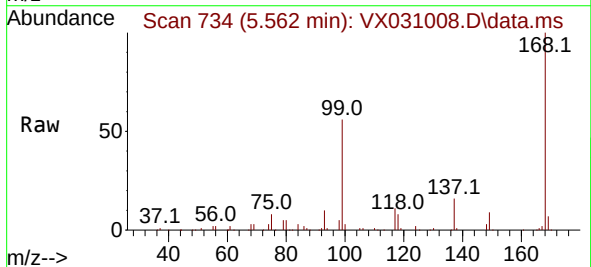
Tgt Ion: 56 Resp: 3842

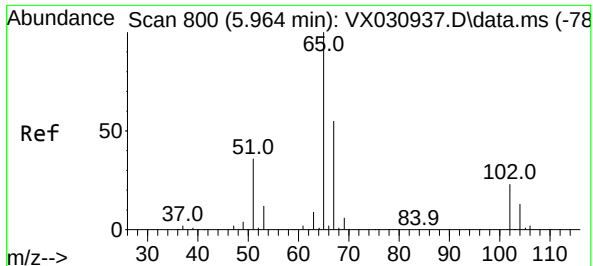
Ion Ratio Lower Upper

56 100

69 178.8 25.4 38.0#

84 155.9 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 44.725 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

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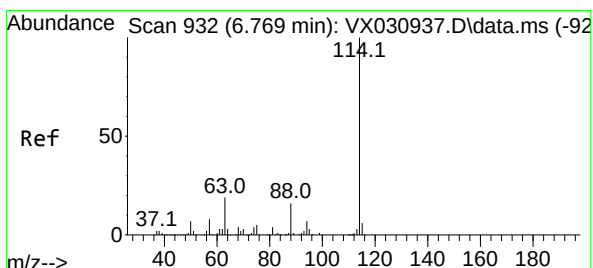
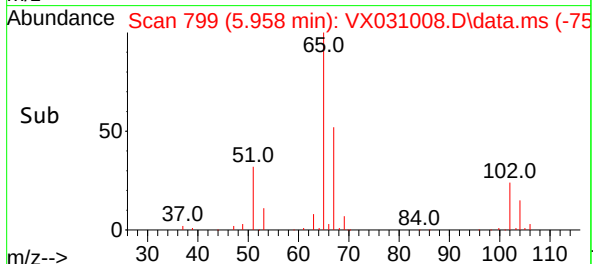
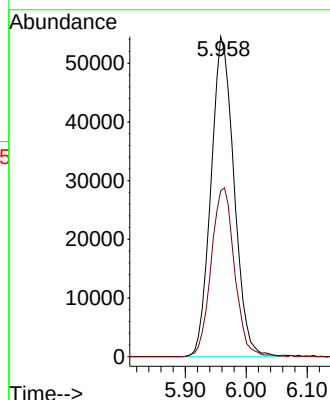
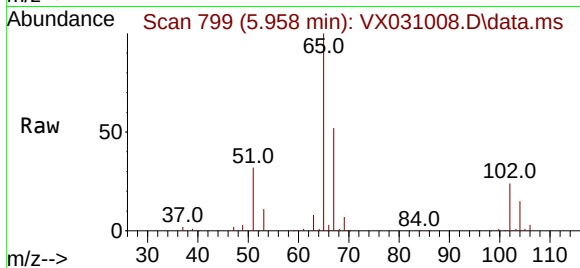
OW-3B-49-54-083022

Tgt Ion: 65 Resp: 143222

Ion Ratio Lower Upper

65 100

67 53.5 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX031008.D

Acq: 01 Sep 2022 04:03

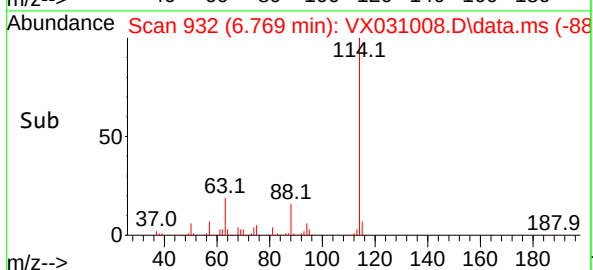
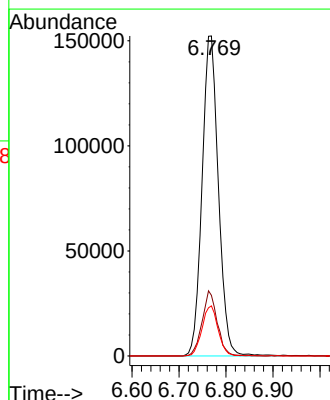
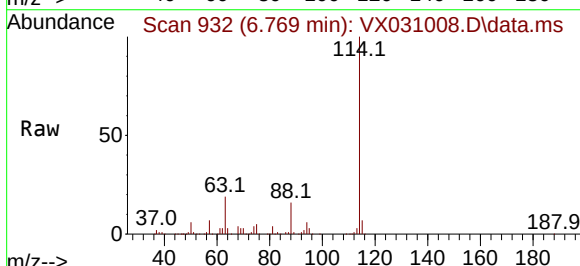
Tgt Ion: 114 Resp: 367210

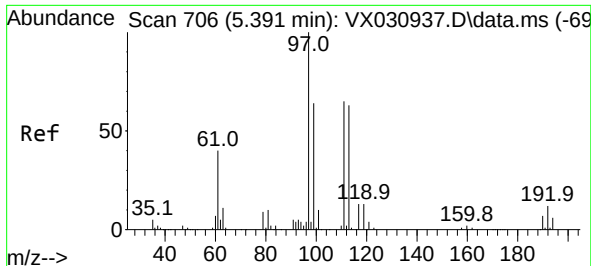
Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.4

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.460 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX031008.D

Acq: 01 Sep 2022 04:03

Instrument :

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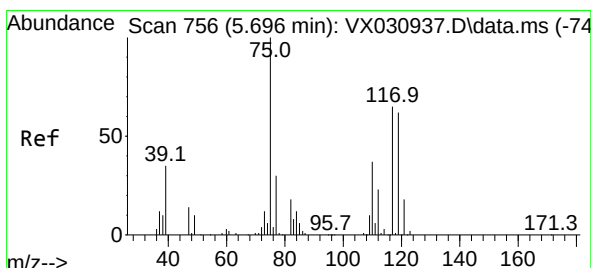
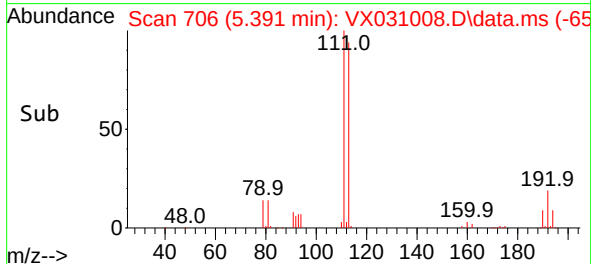
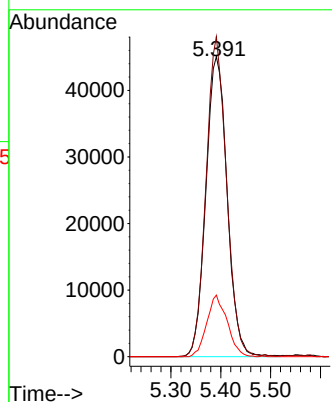
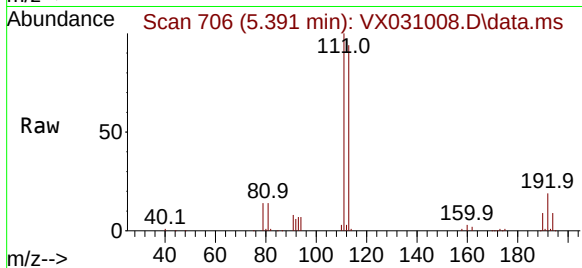
Tgt Ion:113 Resp: 133881

Ion Ratio Lower Upper

113 100

111 102.2 83.2 124.8

192 19.6 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.932 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX031008.D

Acq: 01 Sep 2022 04:03

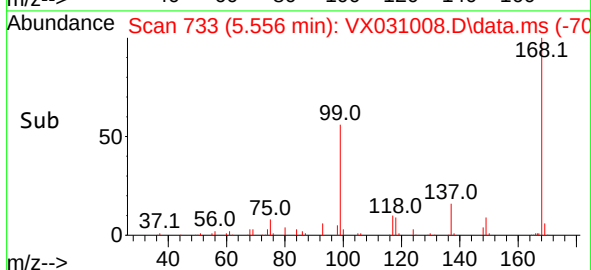
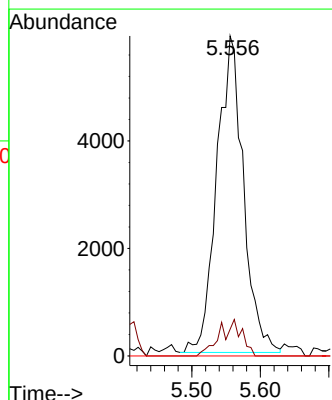
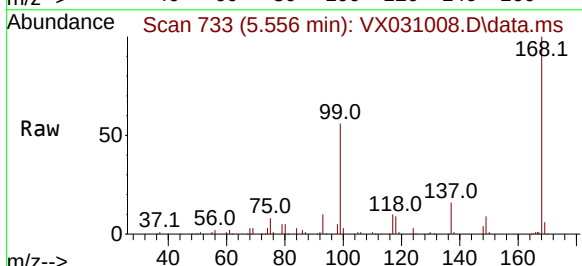
Tgt Ion: 75 Resp: 15821

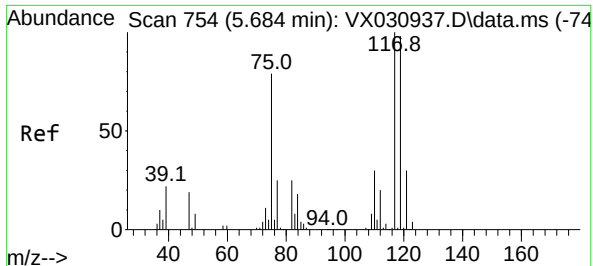
Ion Ratio Lower Upper

75 100

110 5.5 19.3 57.9#

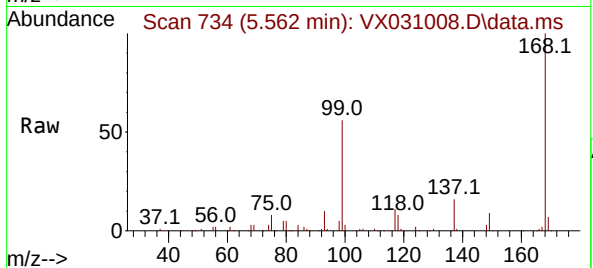
77 0.0 24.4 36.6#



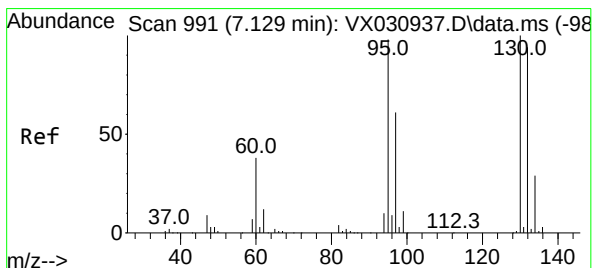
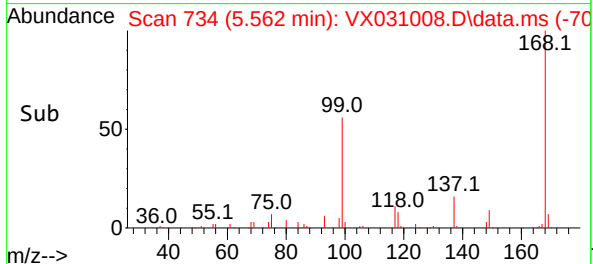
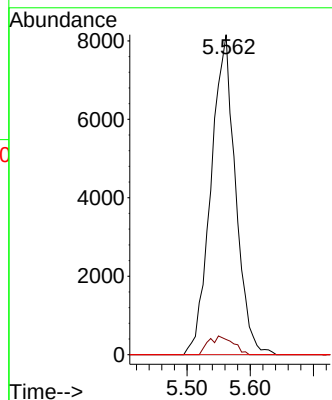


#38
Carbon Tetrachloride
Concen: 5.732 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX031008.D
Acq: 01 Sep 2022 04:03

Instrument :
MSVOA_X
ClientSampleId :
OW-3B-49-54-083022

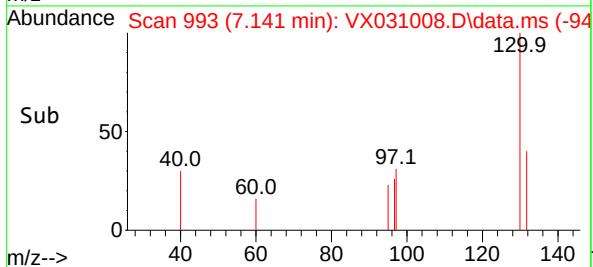
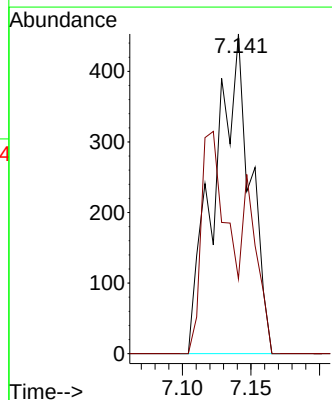
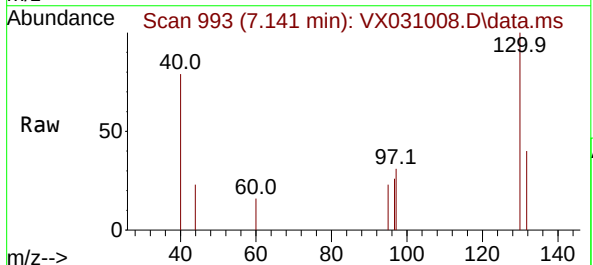


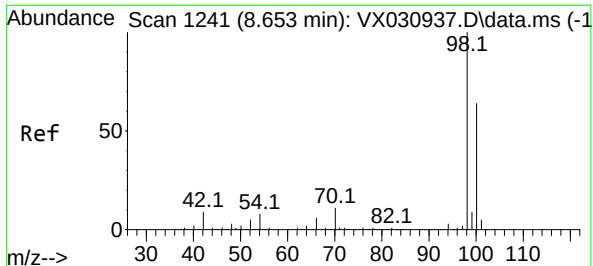
Tgt Ion:117 Resp: 21955
Ion Ratio Lower Upper
117 100
119 4.8 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.242 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.012 min
Lab File: VX031008.D
Acq: 01 Sep 2022 04:03

Tgt Ion:130 Resp: 826
Ion Ratio Lower Upper
130 100
95 23.4 0.0 194.8

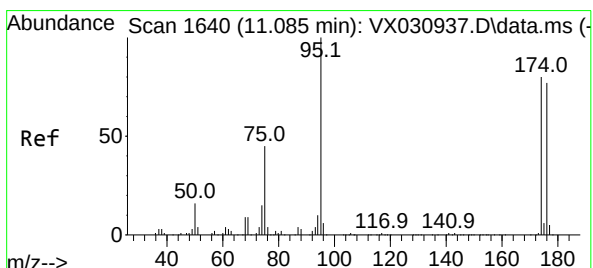
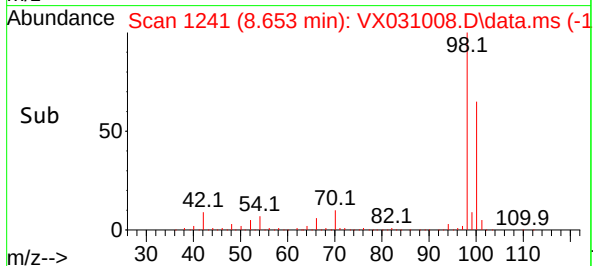
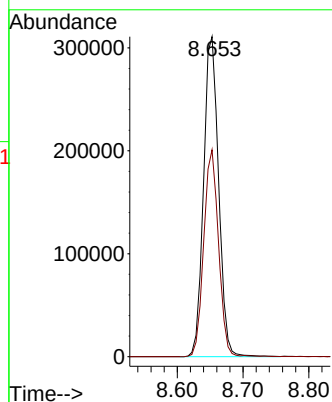
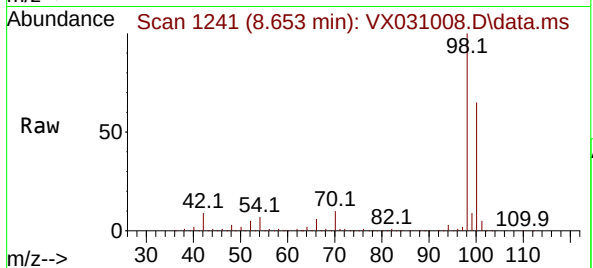




#50
Toluene-d8
Concen: 49.359 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031008.D
Acq: 01 Sep 2022 04:03

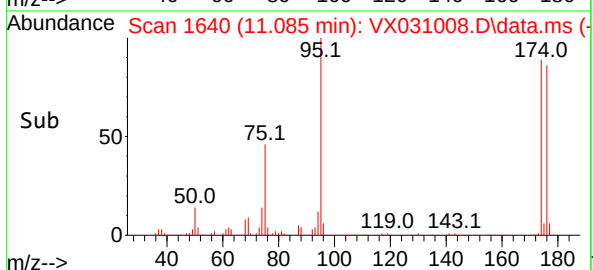
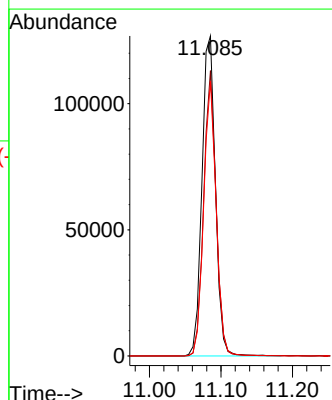
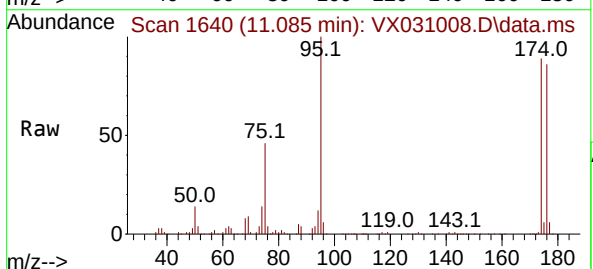
Instrument :
MSVOA_X
ClientSampleId :
OW-3B-49-54-083022

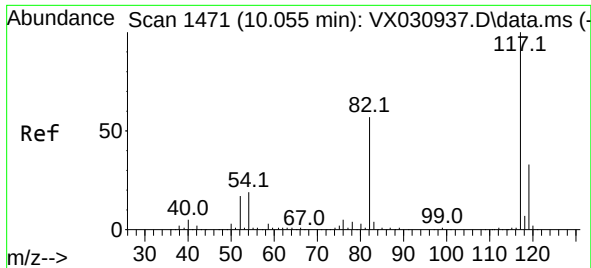
Tgt Ion: 98 Resp: 494798
Ion Ratio Lower Upper
98 100
100 63.6 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.275 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX031008.D
Acq: 01 Sep 2022 04:03

Tgt Ion: 95 Resp: 165194
Ion Ratio Lower Upper
95 100
174 82.9 0.0 149.0
176 79.9 0.0 146.0

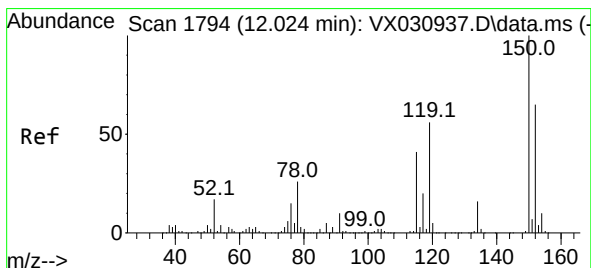
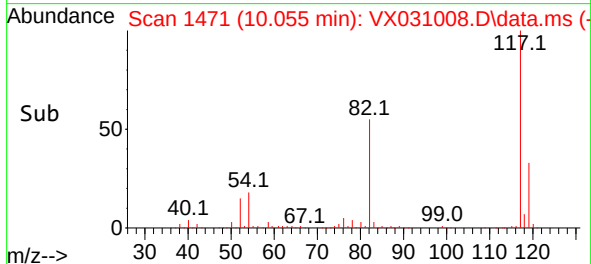
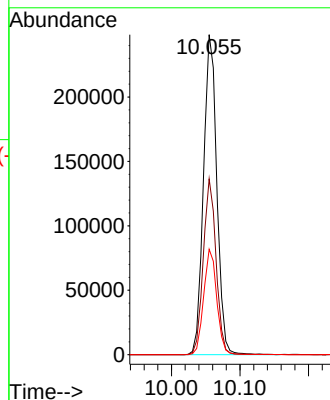
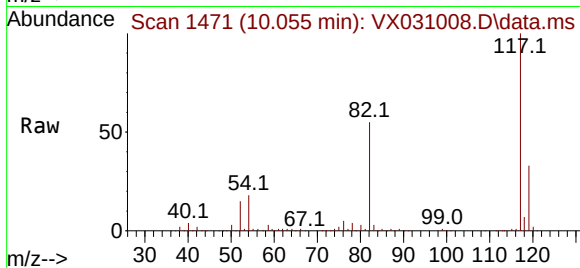




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031008.D
Acq: 01 Sep 2022 04:03

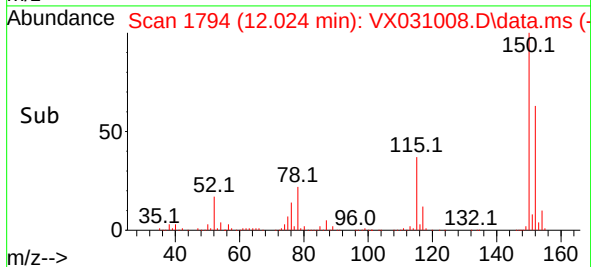
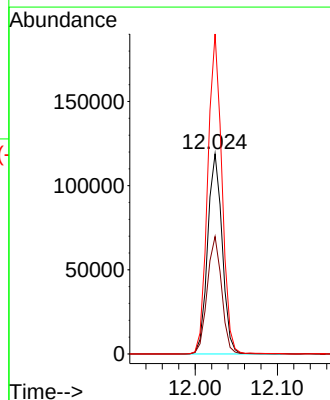
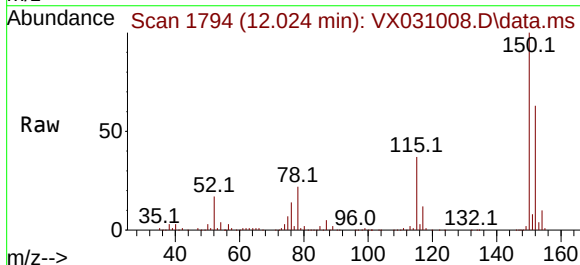
Instrument :
MSVOA_X
ClientSampleId :
OW-3B-49-54-083022

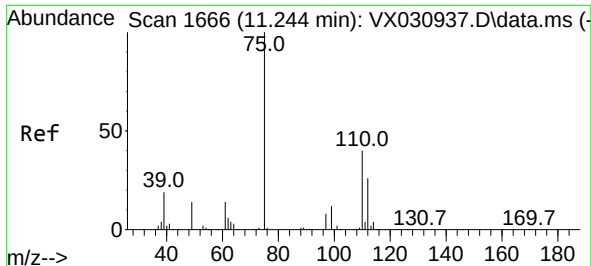
Tgt Ion:117 Resp: 336833
Ion Ratio Lower Upper
117 100
82 54.9 42.7 64.1
119 32.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031008.D
Acq: 01 Sep 2022 04:03

Tgt Ion:152 Resp: 146072
Ion Ratio Lower Upper
152 100
115 58.0 40.5 121.5
150 156.0 0.0 347.0

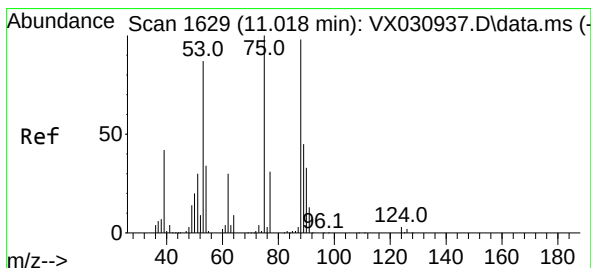
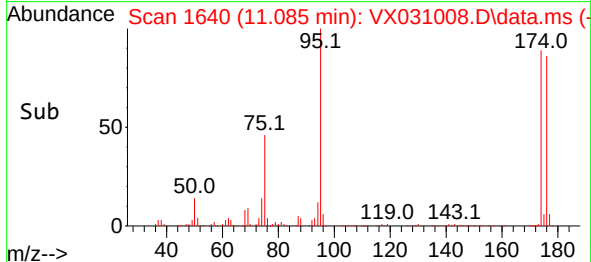
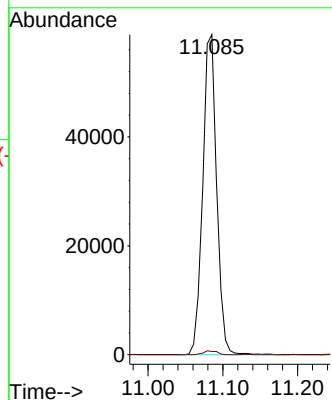
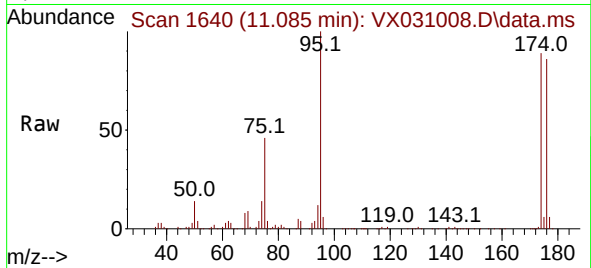




#76
1,2,3-Trichloropropane
Concen: 21.159 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX031008.D
Acq: 01 Sep 2022 04:03

Instrument :
MSVOA_X
ClientSampleId :
OW-3B-49-54-083022

Tgt Ion: 75 Resp: 76091
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.909 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX031008.D
Acq: 01 Sep 2022 04:03

Tgt Ion: 75 Resp: 76091
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.1 34.8 52.2#

