

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082823\
 Data File : VX037300.D
 Acq On : 28 Aug 2023 17:25
 Operator : JC/MD
 Sample : 04126-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20230819

Quant Time: Aug 29 01:01:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

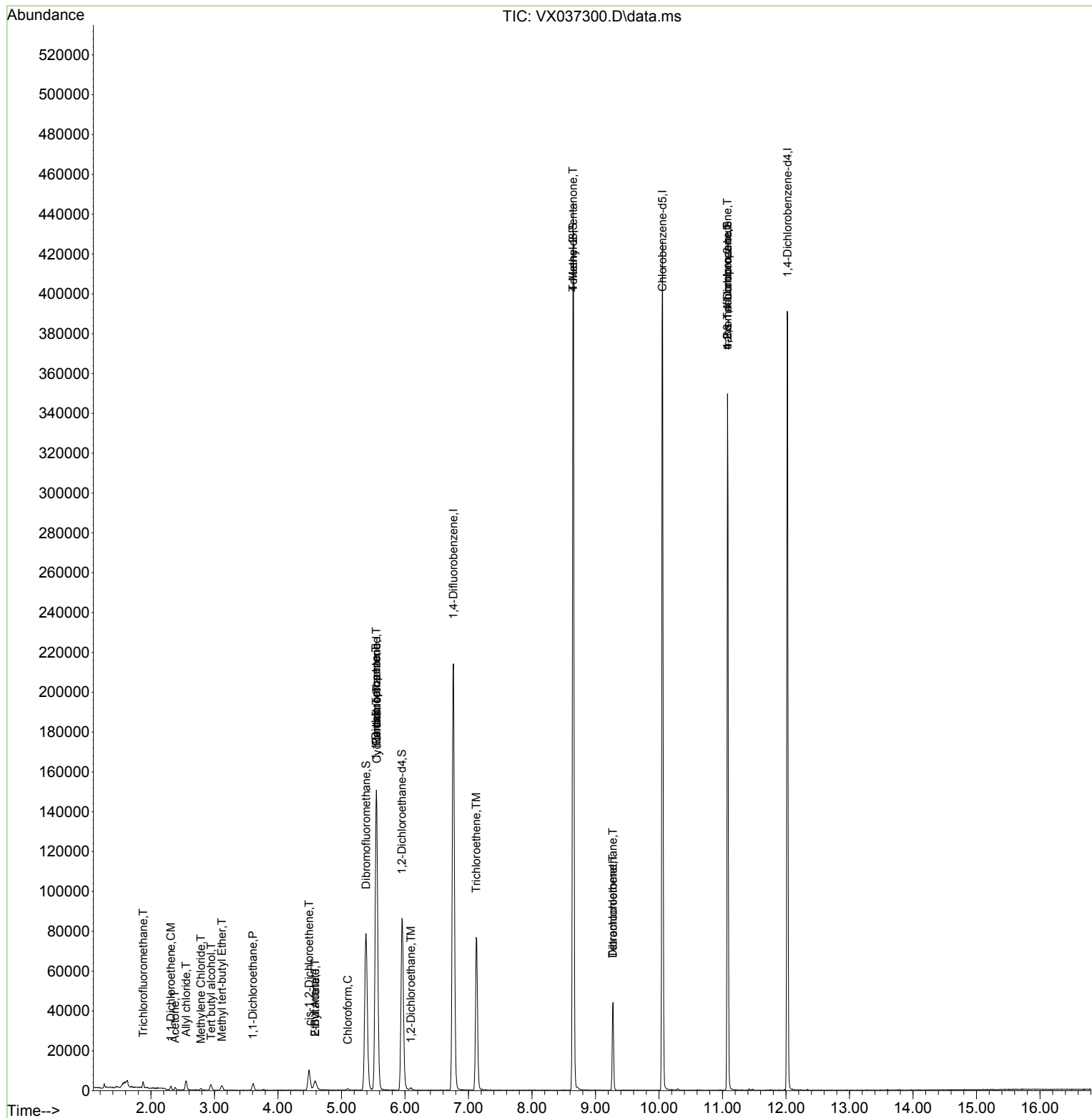
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	142386	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	229500	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	198356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87442	42.598	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.200%
35) Dibromofluoromethane	5.385	113	70980	46.700	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.400%
50) Toluene-d8	8.647	98	270588	49.079	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.160%
62) 4-Bromofluorobenzene	11.079	95	94054	43.410	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.820%
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	1.880	101	1923	0.745	ug/l	90
11) Tert butyl alcohol	2.947	59	1788	3.713	ug/l #	78
12) 1,1-Dichloroethene	2.313	96	707	0.482	ug/l	87
14) Allyl chloride	2.557	41	514	0.227	ug/l #	64
16) Acetone	2.380	43	1309	1.630	ug/l	91
19) Methyl tert-butyl Ether	3.117	73	2820	0.507	ug/l	98
20) Methylene Chloride	2.788	84	478	0.266	ug/l #	77
24) 1,1-Dichloroethane	3.605	63	4004	1.372	ug/l	99
25) 2-Butanone	4.587	43	447	0.370	ug/l #	51
27) cis-1,2-Dichloroethene	4.489	96	6962	3.544	ug/l	79
30) Chloroform	5.099	83	892	0.272	ug/l #	56
31) Cyclohexane	5.556	56	2757	1.194	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	11346	5.254	ug/l #	50
37) Ethyl Acetate	4.587	43	447	0.203	ug/l #	69
38) Carbon Tetrachloride	5.550	117	15133	6.451	ug/l #	14
42) 1,2-Dichloroethane	6.092	62	1174	0.483	ug/l #	77
44) Trichloroethene	7.123	130	31494	17.934	ug/l	97
51) 4-Methyl-2-Pentanone	8.647	43	933	0.439	ug/l #	1
60) Dibromochloromethane	9.275	129	8592	4.843	ug/l #	11
64) Tetrachloroethene	9.275	164	8233	5.690	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	47122	25.749	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	47122	71.918	ug/l #	5

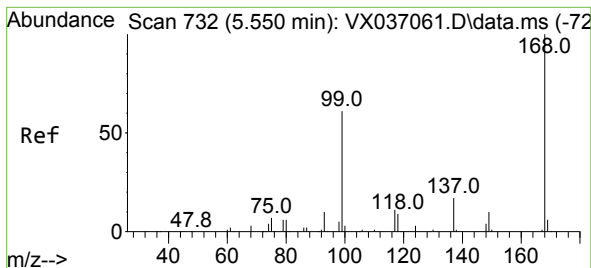
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX037300.D

Acq: 28 Aug 2023 17:25

Instrument :

MSVOA_X

ClientSampleId :

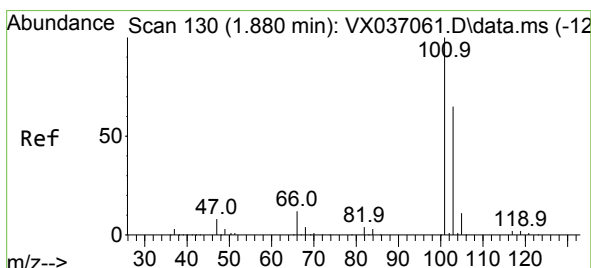
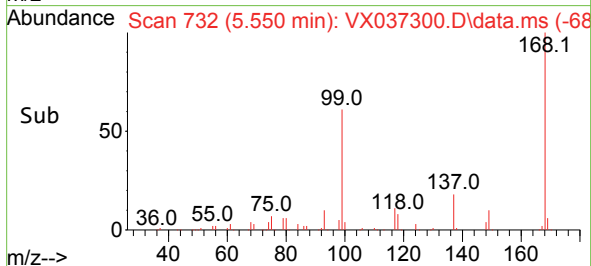
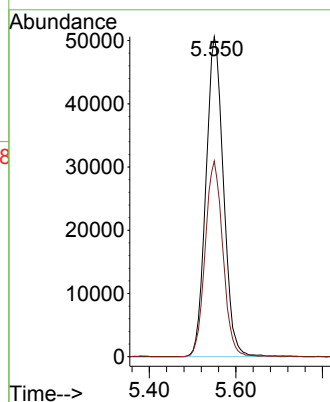
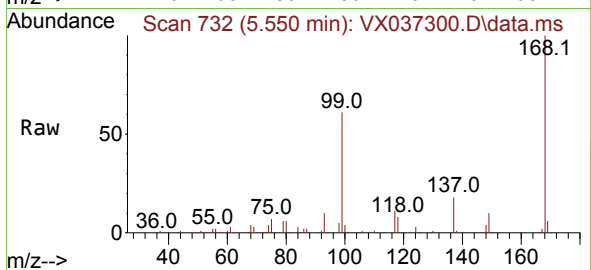
DUP02-20230819

Tgt Ion:168 Resp: 142386

Ion Ratio Lower Upper

168 100

99 61.2 56.6 85.0



#7

Trichlorofluoromethane

Concen: 0.745 ug/l

RT: 1.880 min Scan# 130

Delta R.T. -0.000 min

Lab File: VX037300.D

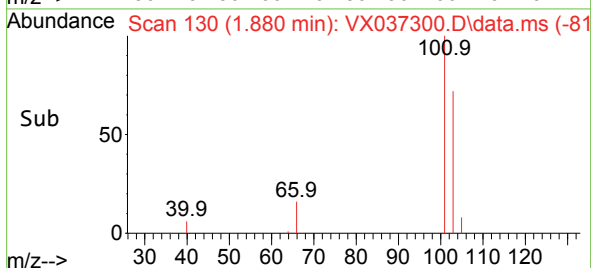
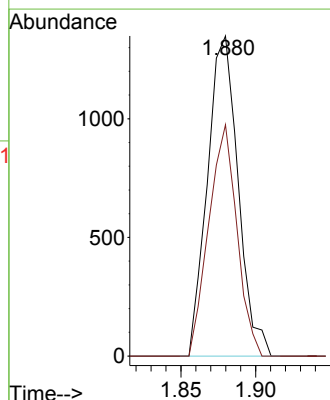
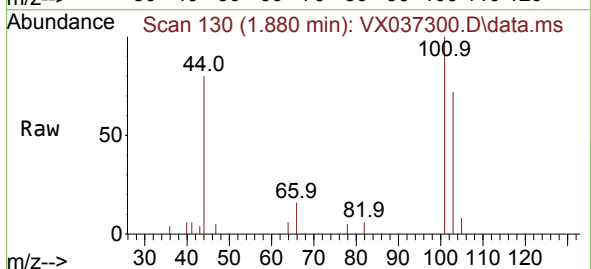
Acq: 28 Aug 2023 17:25

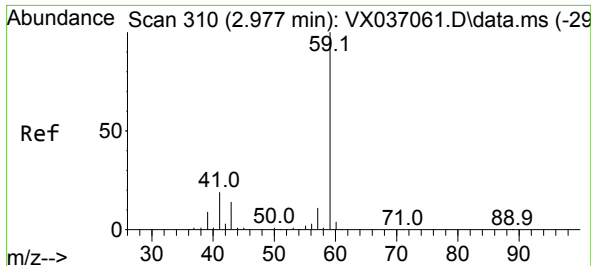
Tgt Ion:101 Resp: 1923

Ion Ratio Lower Upper

101 100

103 72.3 51.4 77.2

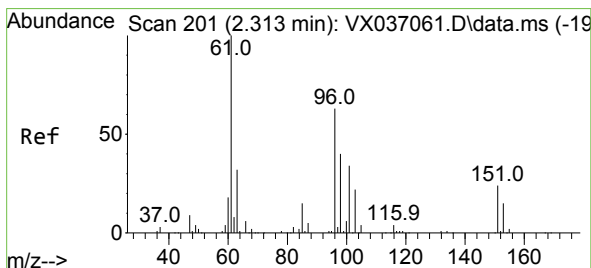
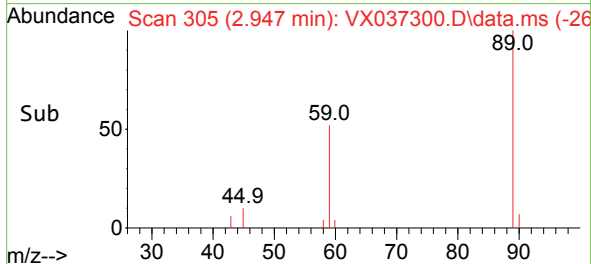
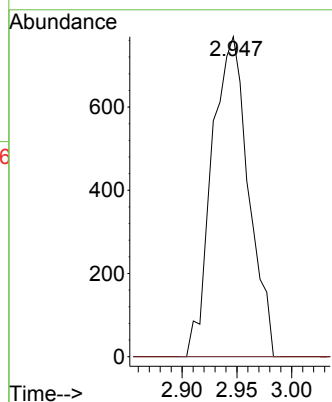
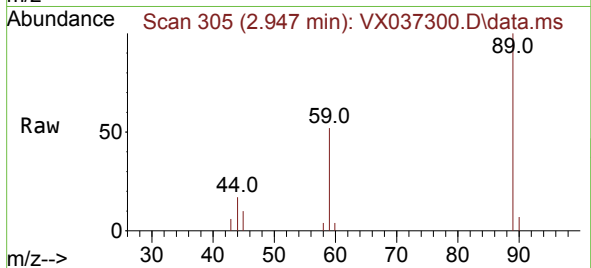




#11
Tert butyl alcohol
Concen: 3.713 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

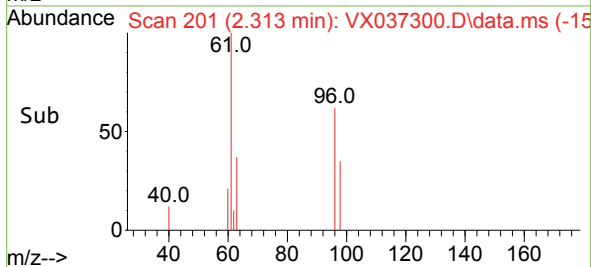
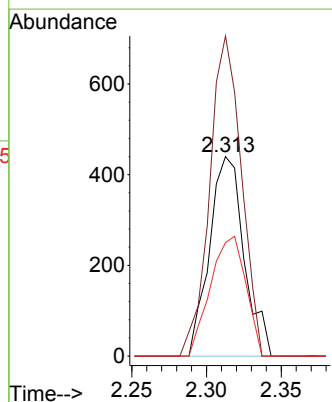
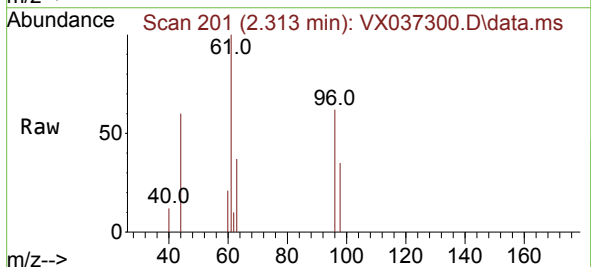
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20230819

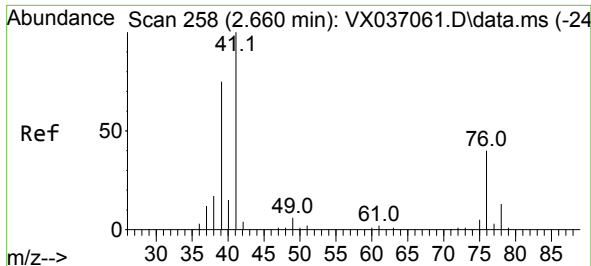
Tgt Ion: 59 Resp: 1788
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 0.482 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

Tgt Ion: 96 Resp: 707
Ion Ratio Lower Upper
96 100
61 160.5 144.6 216.8
98 56.8 50.4 75.6

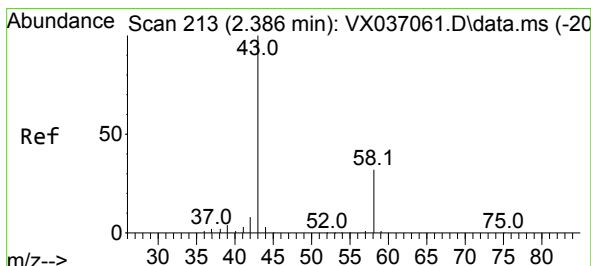
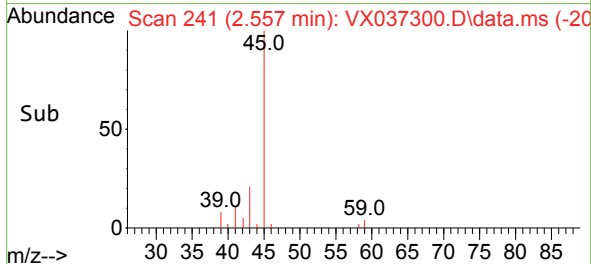
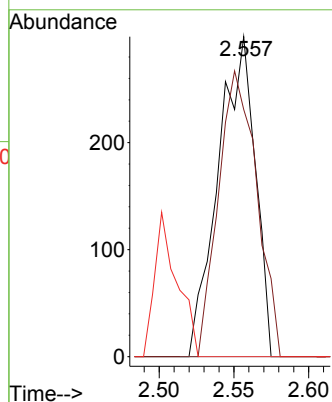
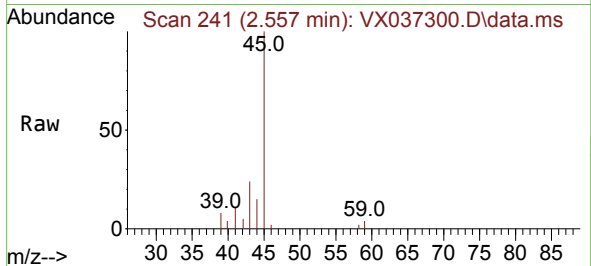




#14
 Allyl chloride
 Concen: 0.227 ug/l
 RT: 2.557 min Scan# 241
 Delta R.T. -0.103 min
 Lab File: VX037300.D
 Acq: 28 Aug 2023 17:25

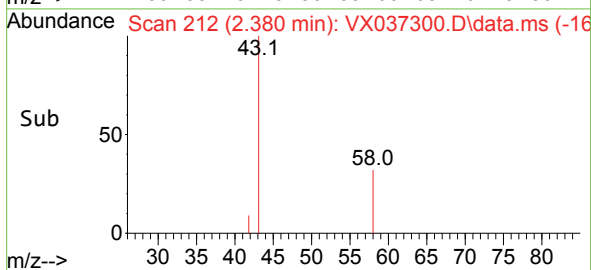
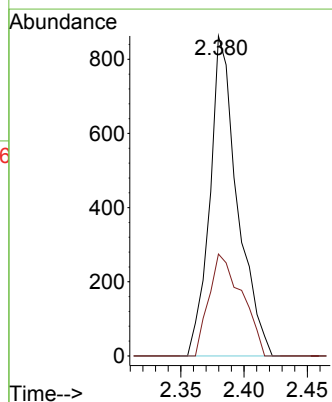
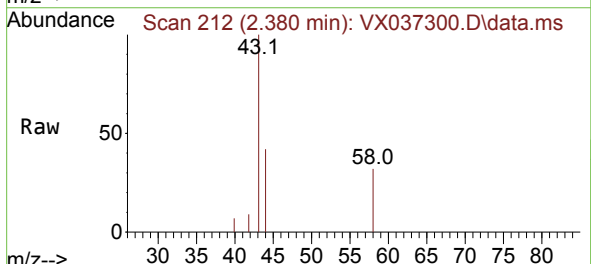
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20230819

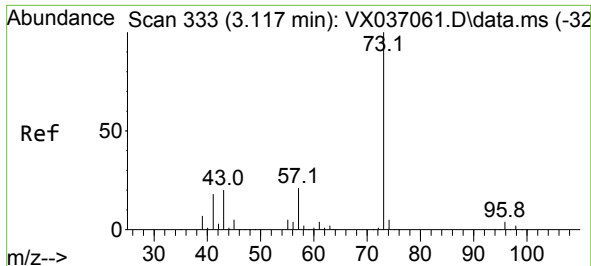
Tgt Ion: 41 Resp: 514
 Ion Ratio Lower Upper
 41 100
 39 92.2 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 1.630 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX037300.D
 Acq: 28 Aug 2023 17:25

Tgt Ion: 43 Resp: 1309
 Ion Ratio Lower Upper
 43 100
 58 31.9 21.9 32.9

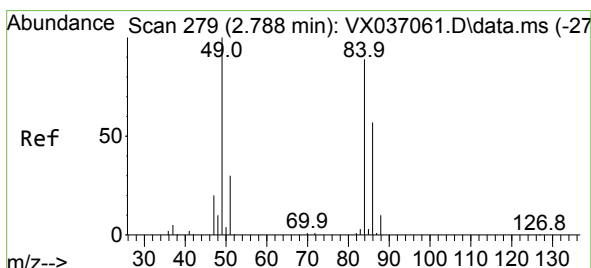
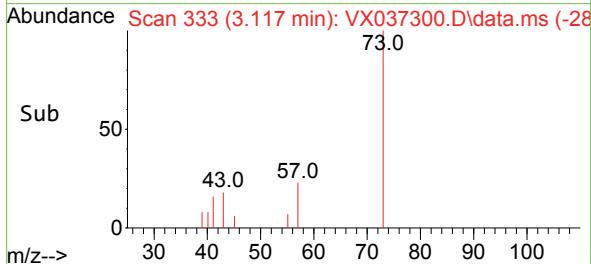
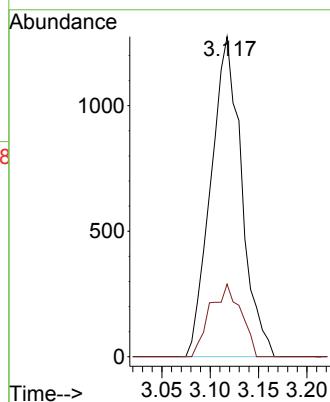
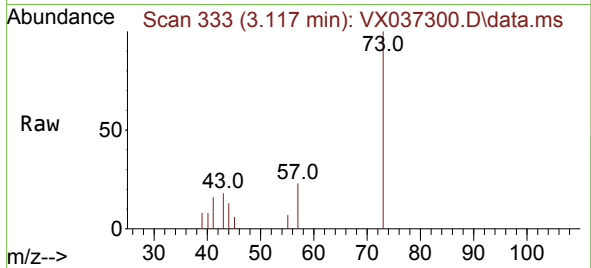




#19
Methyl tert-butyl Ether
Concen: 0.507 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

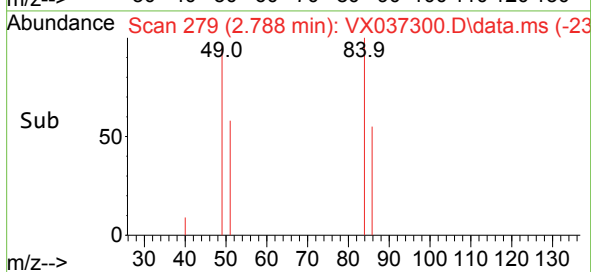
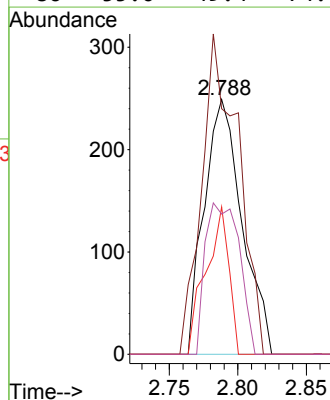
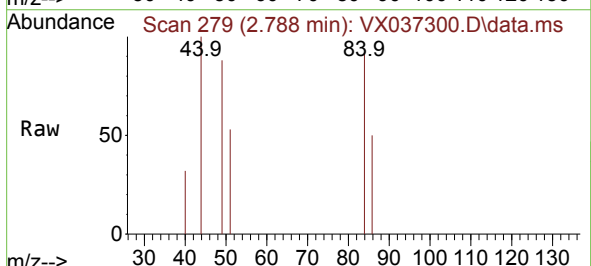
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20230819

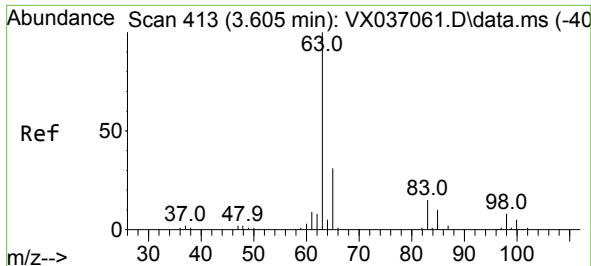
Tgt Ion: 73 Resp: 2820
Ion Ratio Lower Upper
73 100
57 22.7 17.3 25.9



#20
Methylene Chloride
Concen: 0.266 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

Tgt Ion: 84 Resp: 478
Ion Ratio Lower Upper
84 100
49 96.4 103.6 155.4#
51 57.8 33.8 50.6#
86 55.0 49.4 74.0





#24

1,1-Dichloroethane

Concen: 1.372 ug/l

RT: 3.605 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX037300.D

Acq: 28 Aug 2023 17:25

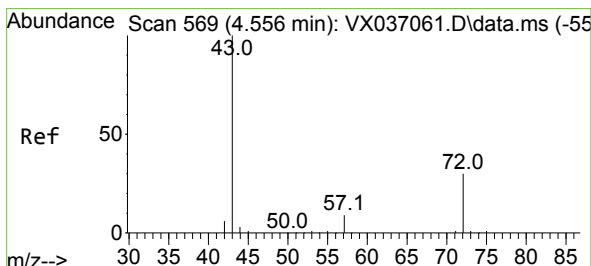
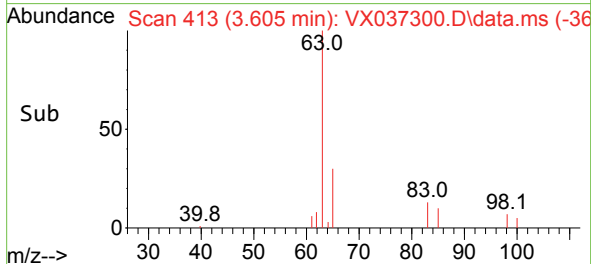
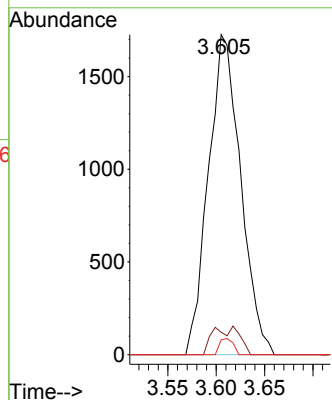
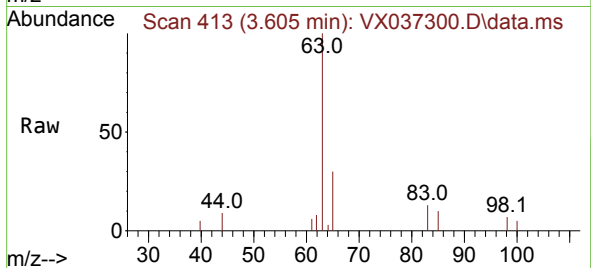
Instrument :

MSVOA_X

ClientSampleId :

DUP02-20230819

Tgt Ion:	63	Resp:	4004
Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.3	9.8
100	4.6	2.1	6.5



#25

2-Butanone

Concen: 0.370 ug/l

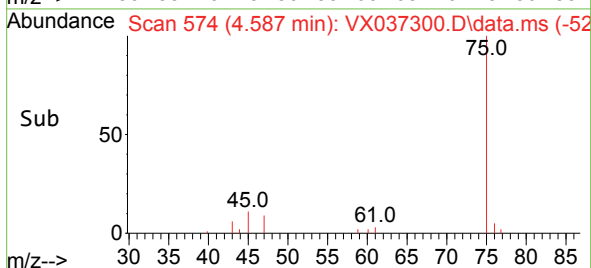
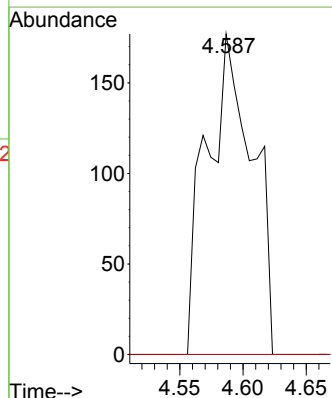
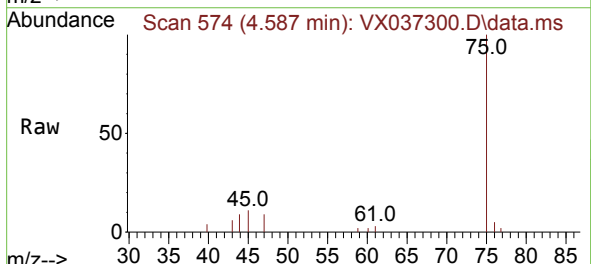
RT: 4.587 min Scan# 574

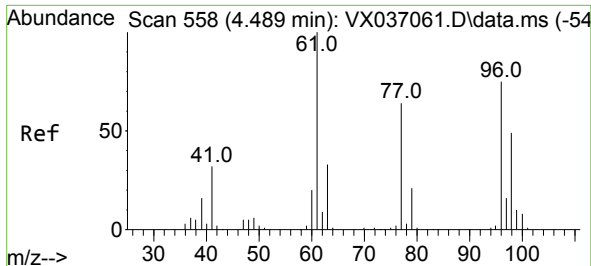
Delta R.T. 0.031 min

Lab File: VX037300.D

Acq: 28 Aug 2023 17:25

Tgt Ion:	43	Resp:	447
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#





#27

cis-1,2-Dichloroethene

Concen: 3.544 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX037300.D

Acq: 28 Aug 2023 17:25

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MSVOA_X

ClientSampleId :

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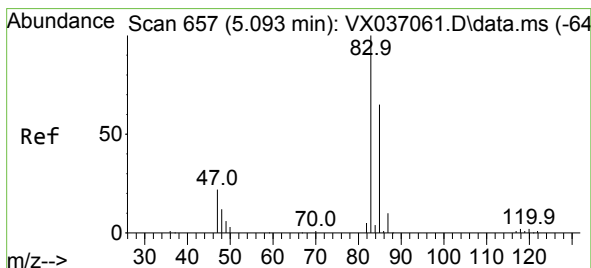
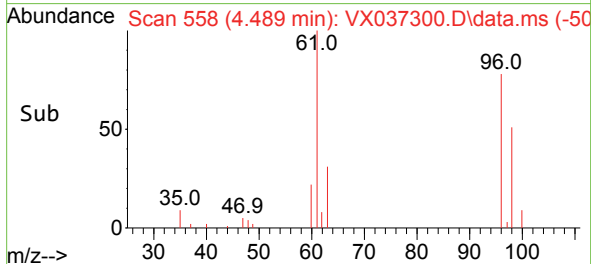
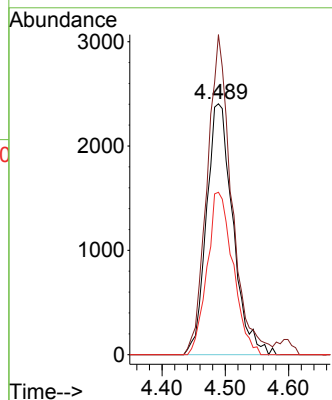
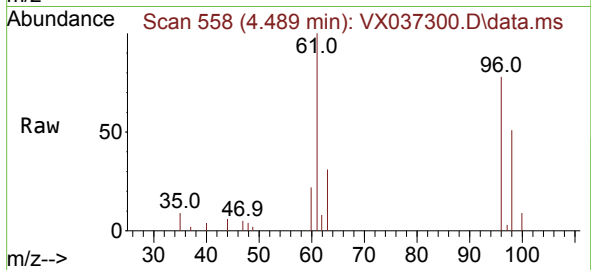
Tgt Ion: 96 Resp: 6962

Ion Ratio Lower Upper

96 100

61 119.1 0.0 312.2

98 63.5 0.0 129.0



#30

Chloroform

Concen: 0.272 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX037300.D

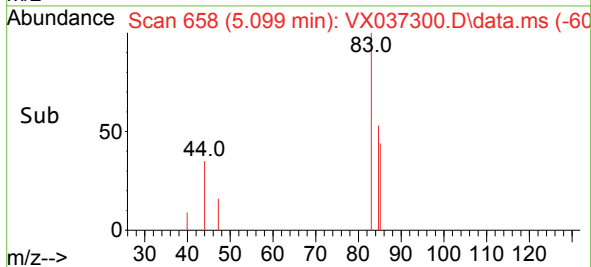
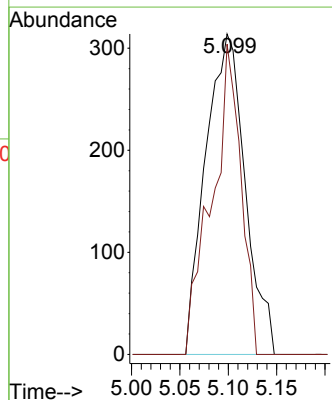
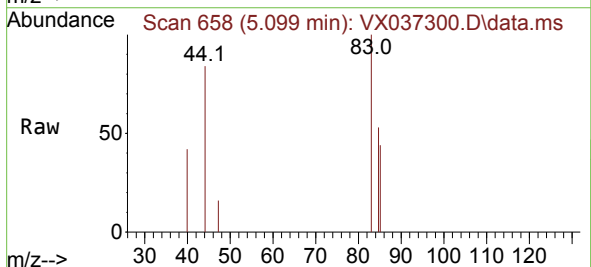
Acq: 28 Aug 2023 17:25

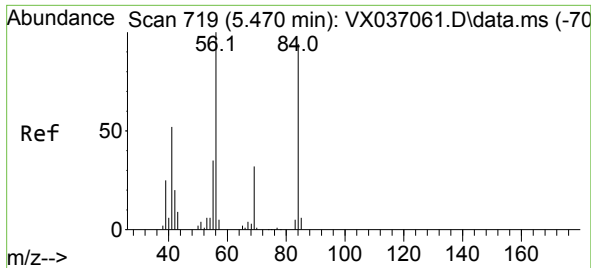
Tgt Ion: 83 Resp: 892

Ion Ratio Lower Upper

83 100

85 96.8 50.3 75.5#

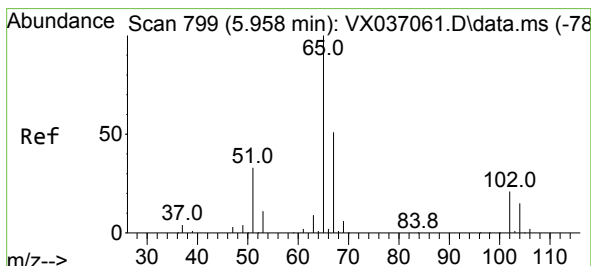
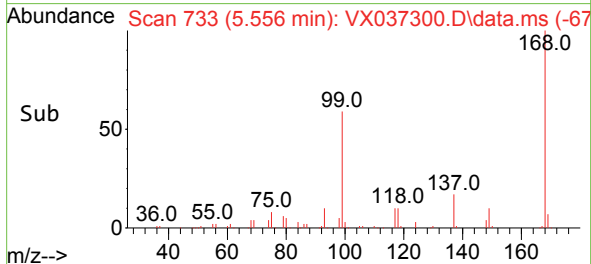
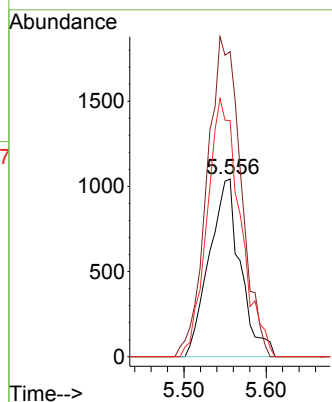
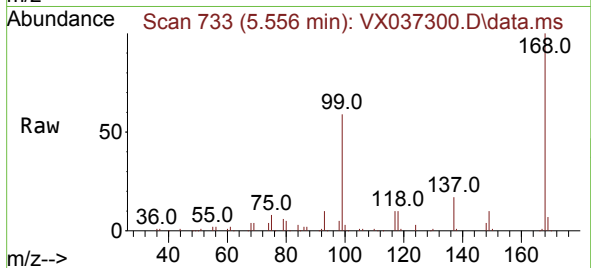




#31
Cyclohexane
Concen: 1.194 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

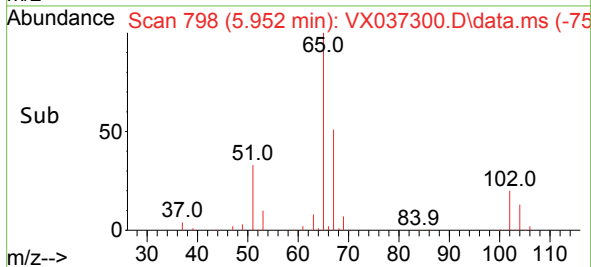
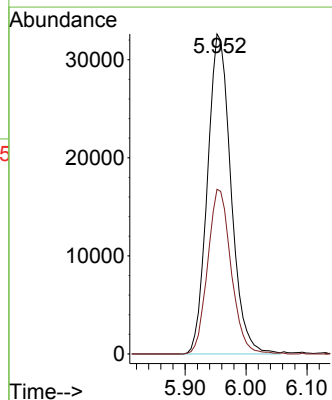
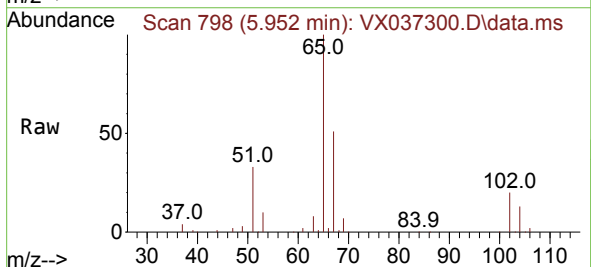
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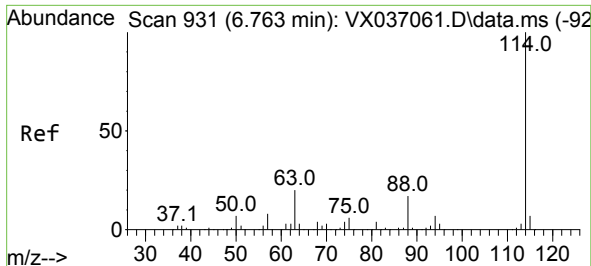
Tgt Ion: 56 Resp: 2757
Ion Ratio Lower Upper
56 100
69 171.7 23.4 35.2#
84 144.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.598 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

Tgt Ion: 65 Resp: 87442
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.2

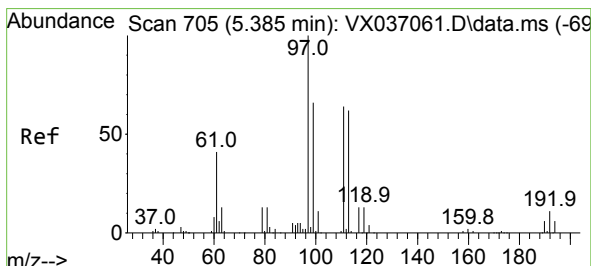
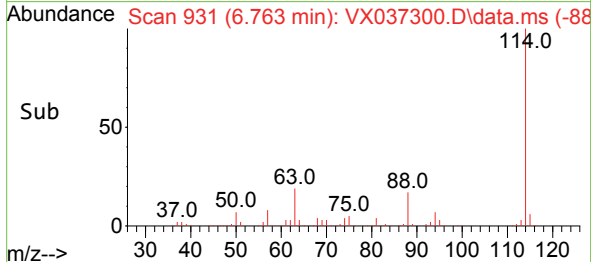
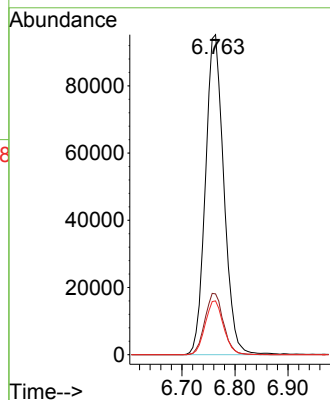
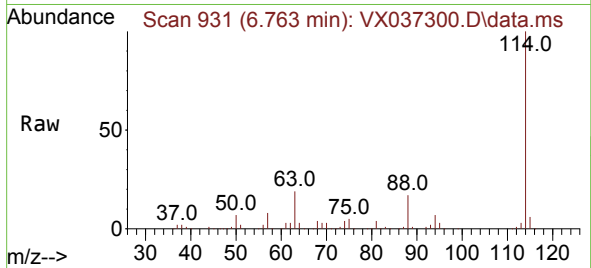




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

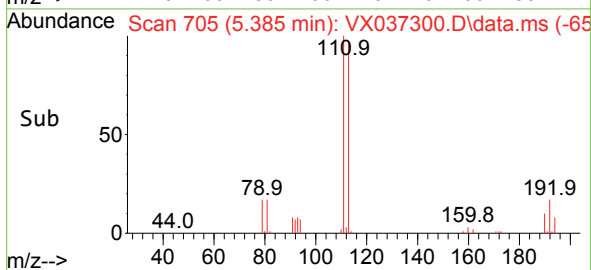
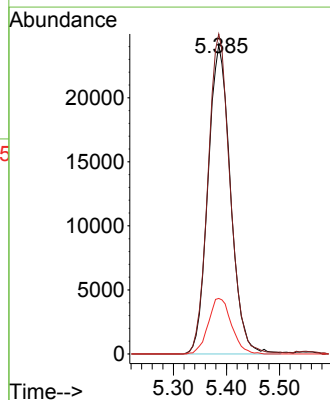
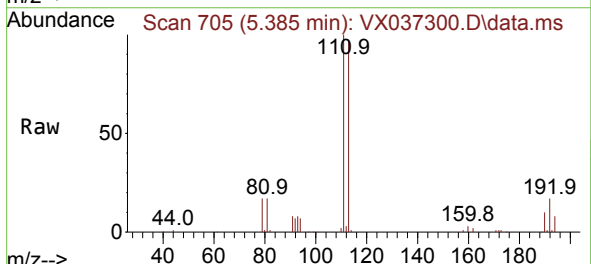
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20230819

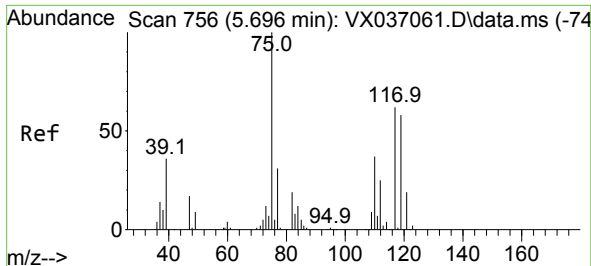
Tgt Ion:114 Resp: 229500
Ion Ratio Lower Upper
114 100
63 19.0 0.0 45.0
88 16.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.700 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

Tgt Ion:113 Resp: 70980
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 18.6 13.3 19.9

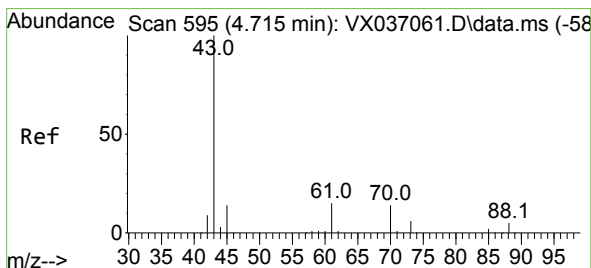
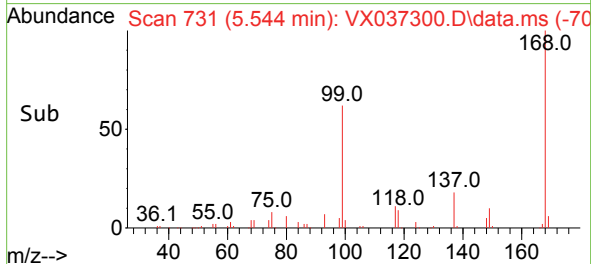
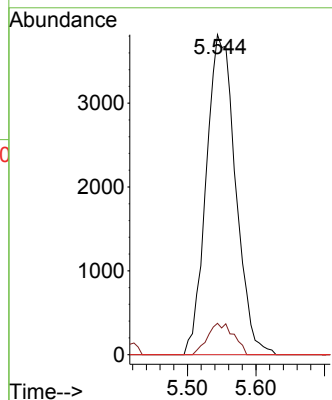
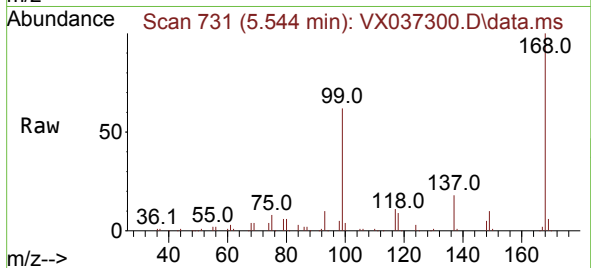




#36
1,1-Dichloropropene
Concen: 5.254 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

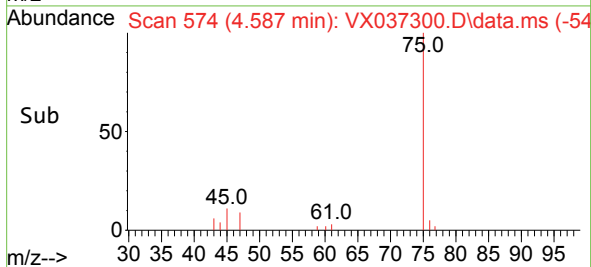
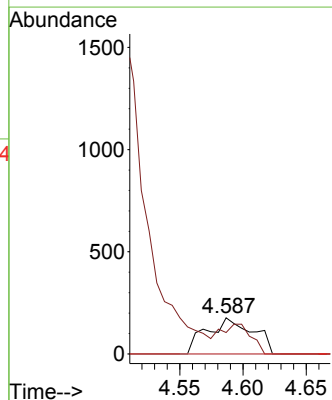
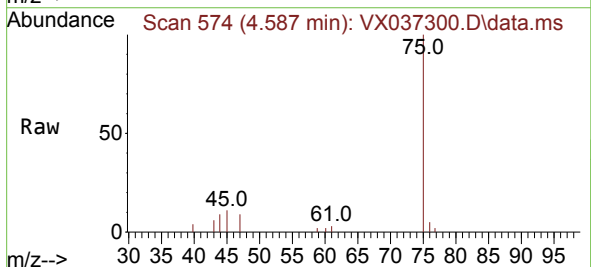
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20230819

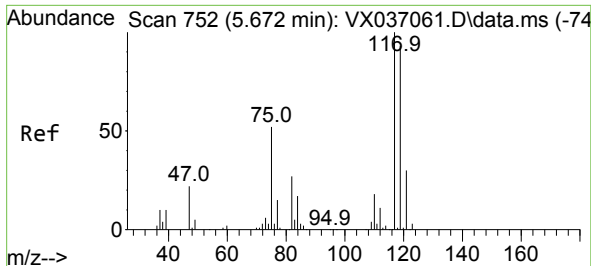
Tgt Ion: 75 Resp: 11346
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.203 ug/l
RT: 4.587 min Scan# 574
Delta R.T. -0.128 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

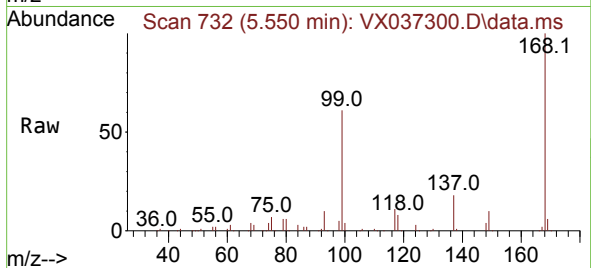
Tgt Ion: 43 Resp: 447
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



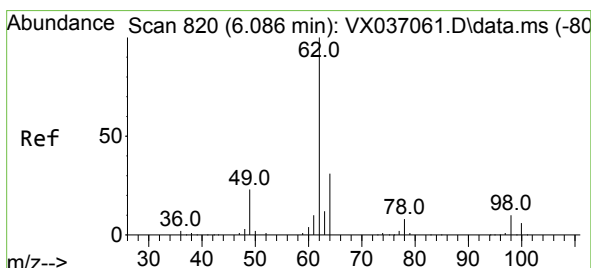
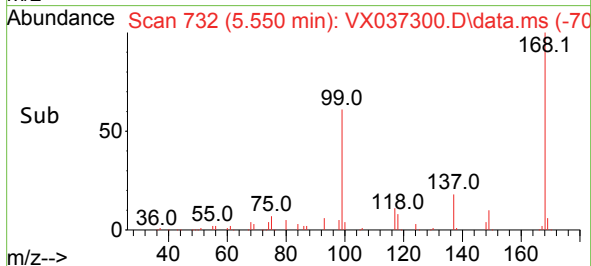
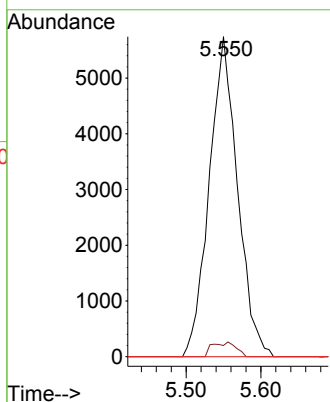


#38
Carbon Tetrachloride
Concen: 6.451 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20230819

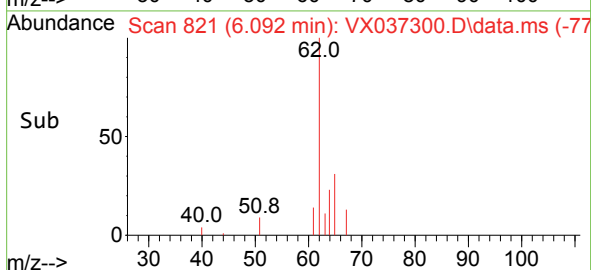
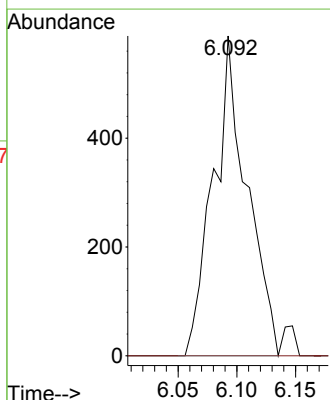
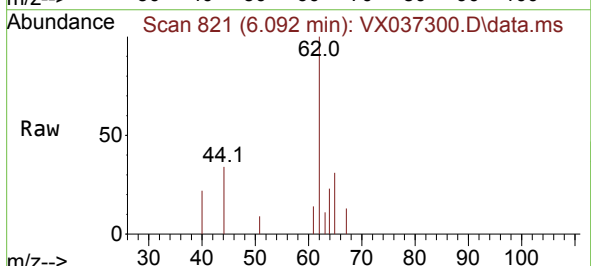


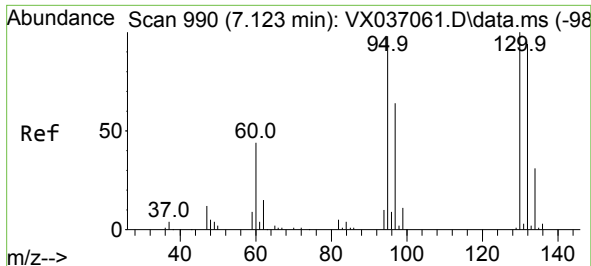
Tgt Ion:117 Resp: 15133
Ion Ratio Lower Upper
117 100
119 3.5 78.2 117.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.483 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

Tgt Ion: 62 Resp: 1174
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

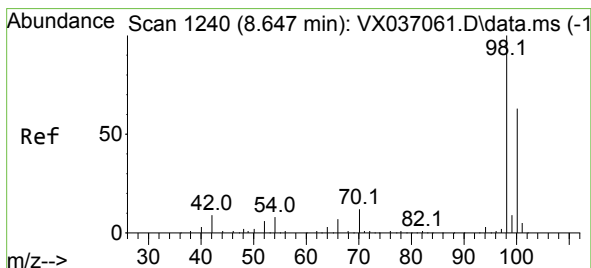
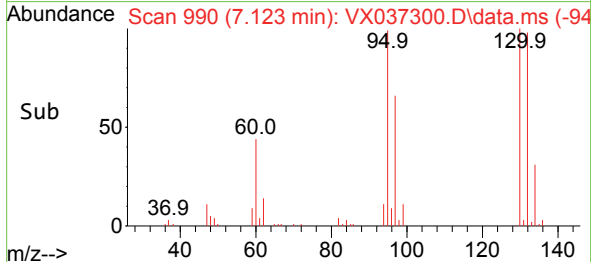
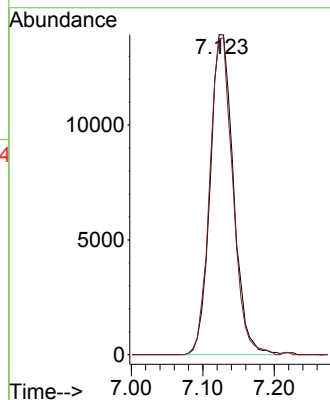
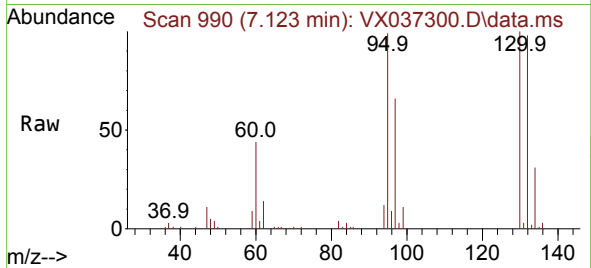




#44
Trichloroethene
Concen: 17.934 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

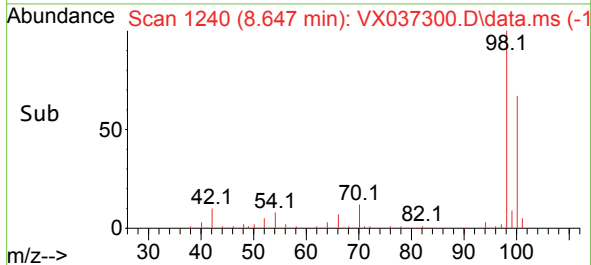
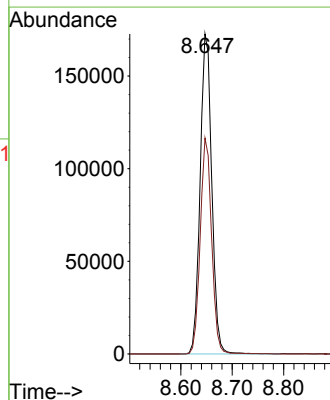
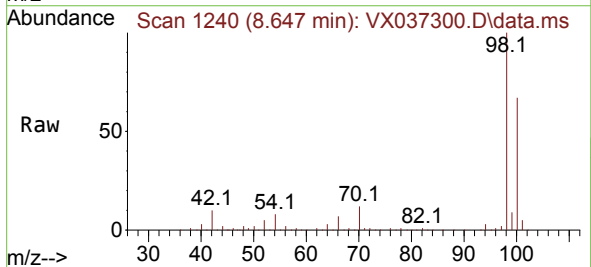
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20230819

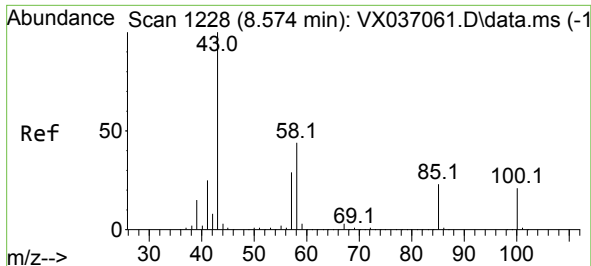
Tgt Ion:130 Resp: 31494
Ion Ratio Lower Upper
130 100
95 98.7 0.0 204.4



#50
Toluene-d8
Concen: 49.079 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

Tgt Ion: 98 Resp: 270588
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7

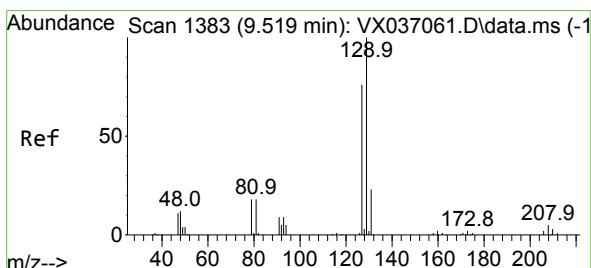
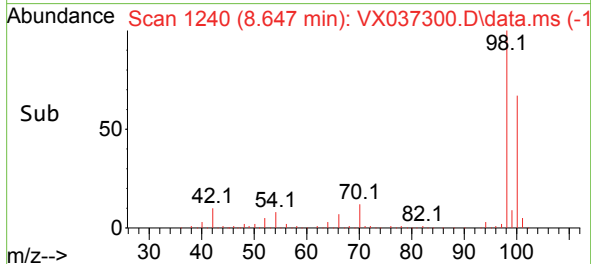
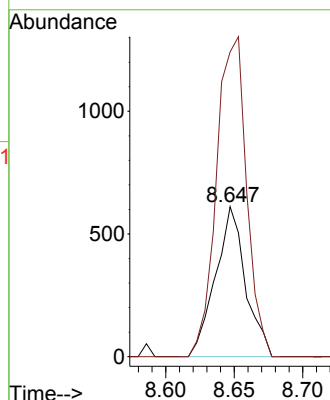
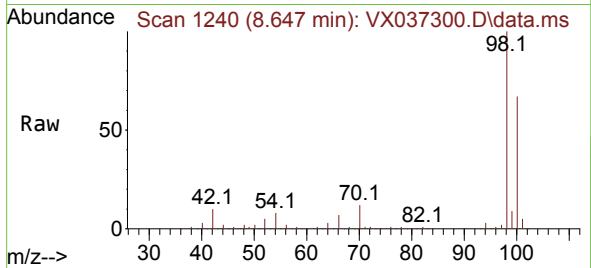




#51
4-Methyl-2-Pentanone
Concen: 0.439 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

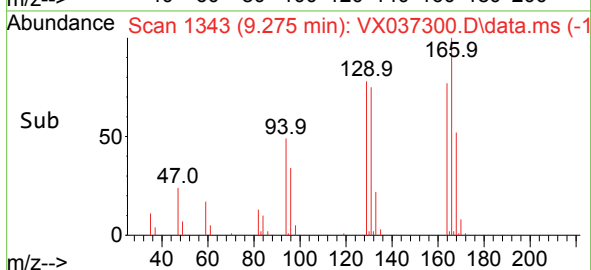
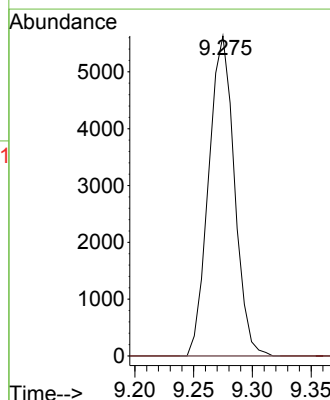
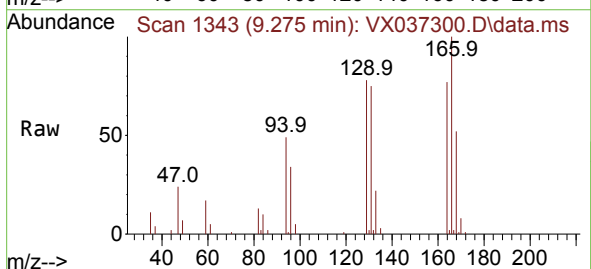
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20230819

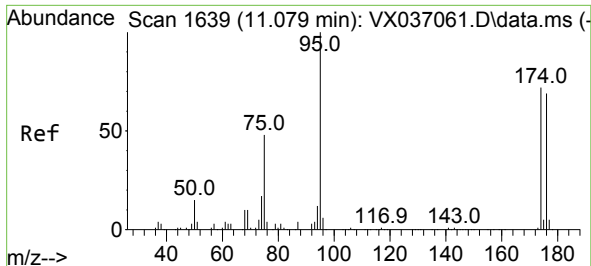
Tgt Ion: 43 Resp: 933
Ion Ratio Lower Upper
43 100
58 213.8 30.4 45.6#



#60
Dibromochloromethane
Concen: 4.843 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

Tgt Ion: 129 Resp: 8592
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

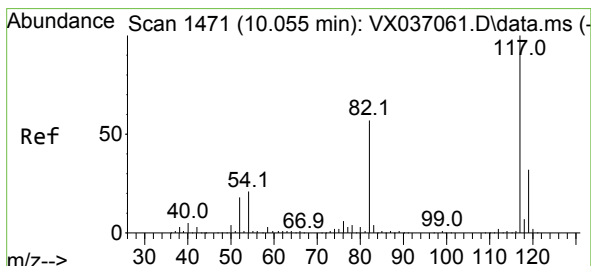
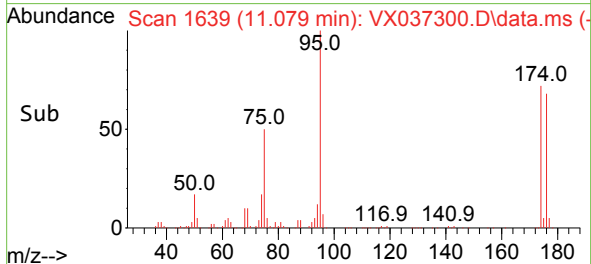
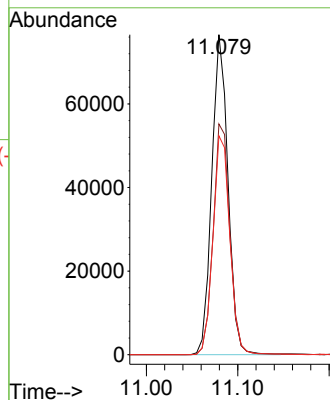
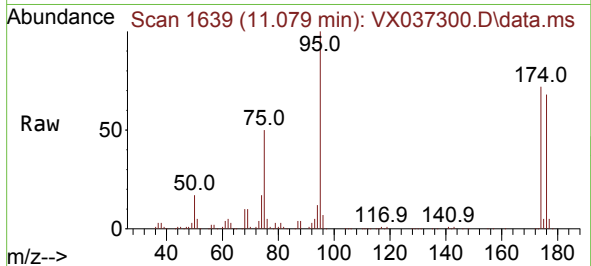




#62
4-Bromofluorobenzene
Concen: 43.410 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

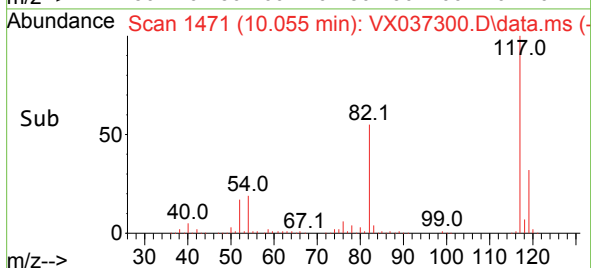
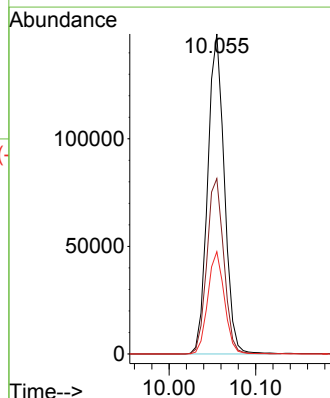
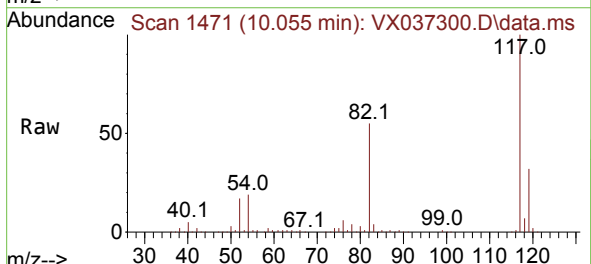
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20230819

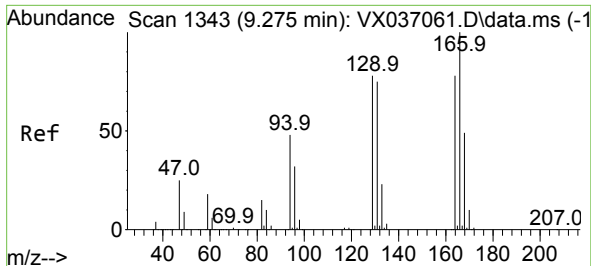
Tgt Ion:	95	Resp:	94054
Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	135.6
176	71.3	0.0	131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

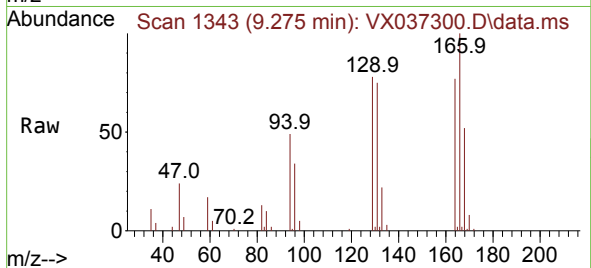
Tgt Ion:	117	Resp:	198356
Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.2	69.4
119	32.0	25.5	38.3



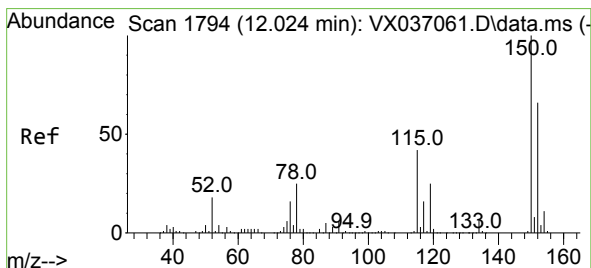
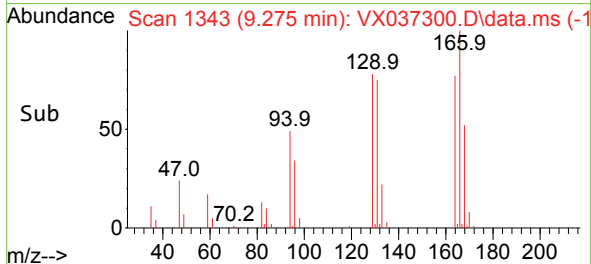
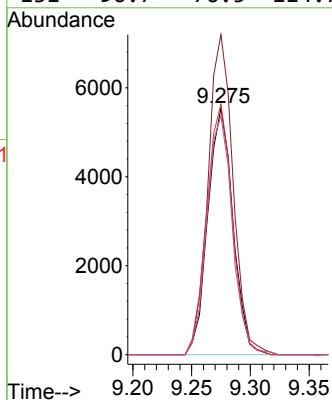


#64
Tetrachloroethene
Concen: 5.690 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20230819

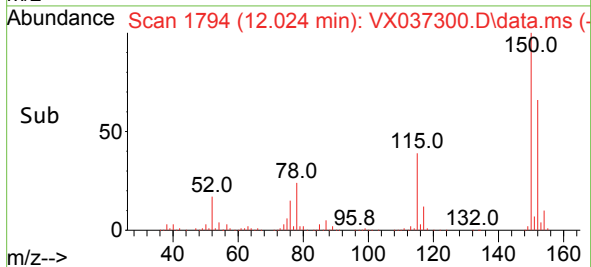
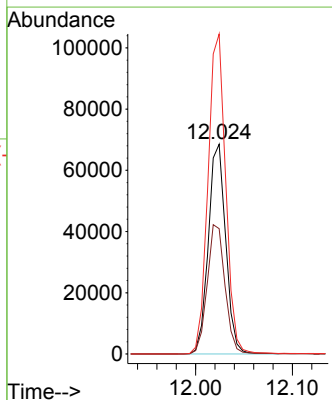
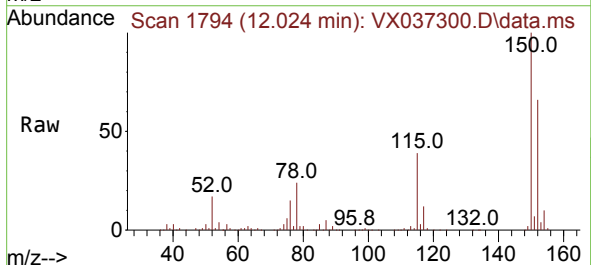


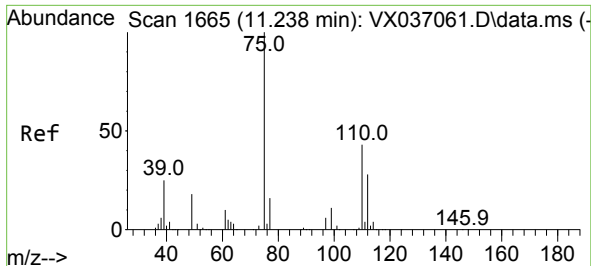
Tgt Ion:164 Resp: 8233
Ion Ratio Lower Upper
164 100
166 129.8 102.7 154.1
129 101.6 80.4 120.6
131 96.7 76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

Tgt Ion:152 Resp: 85932
Ion Ratio Lower Upper
152 100
115 63.1 43.3 129.9
150 155.2 0.0 345.0

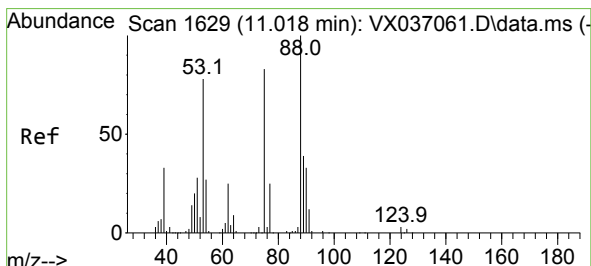
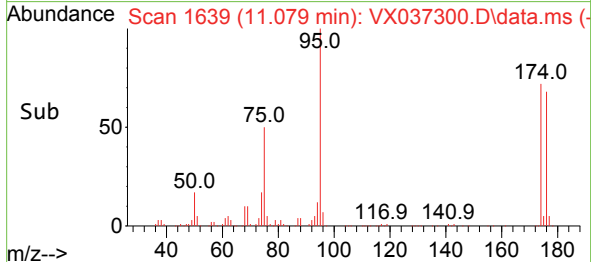
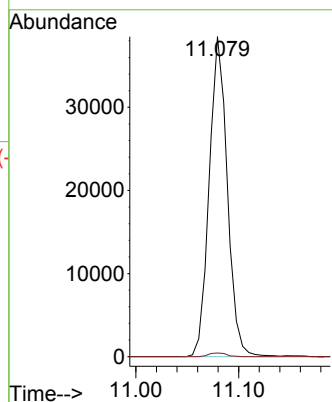
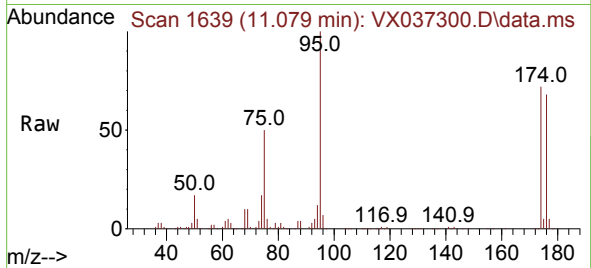




#76
1,2,3-Trichloropropane
Concen: 25.749 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20230819

Tgt Ion: 75 Resp: 47122
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.918 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037300.D
Acq: 28 Aug 2023 17:25

Tgt Ion: 75 Resp: 47122
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

