

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031523\
 Data File : VX034518.D
 Acq On : 15 Mar 2023 19:06
 Operator : JC/MD
 Sample : 01903-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP05-20230312

Quant Time: Mar 16 05:23:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

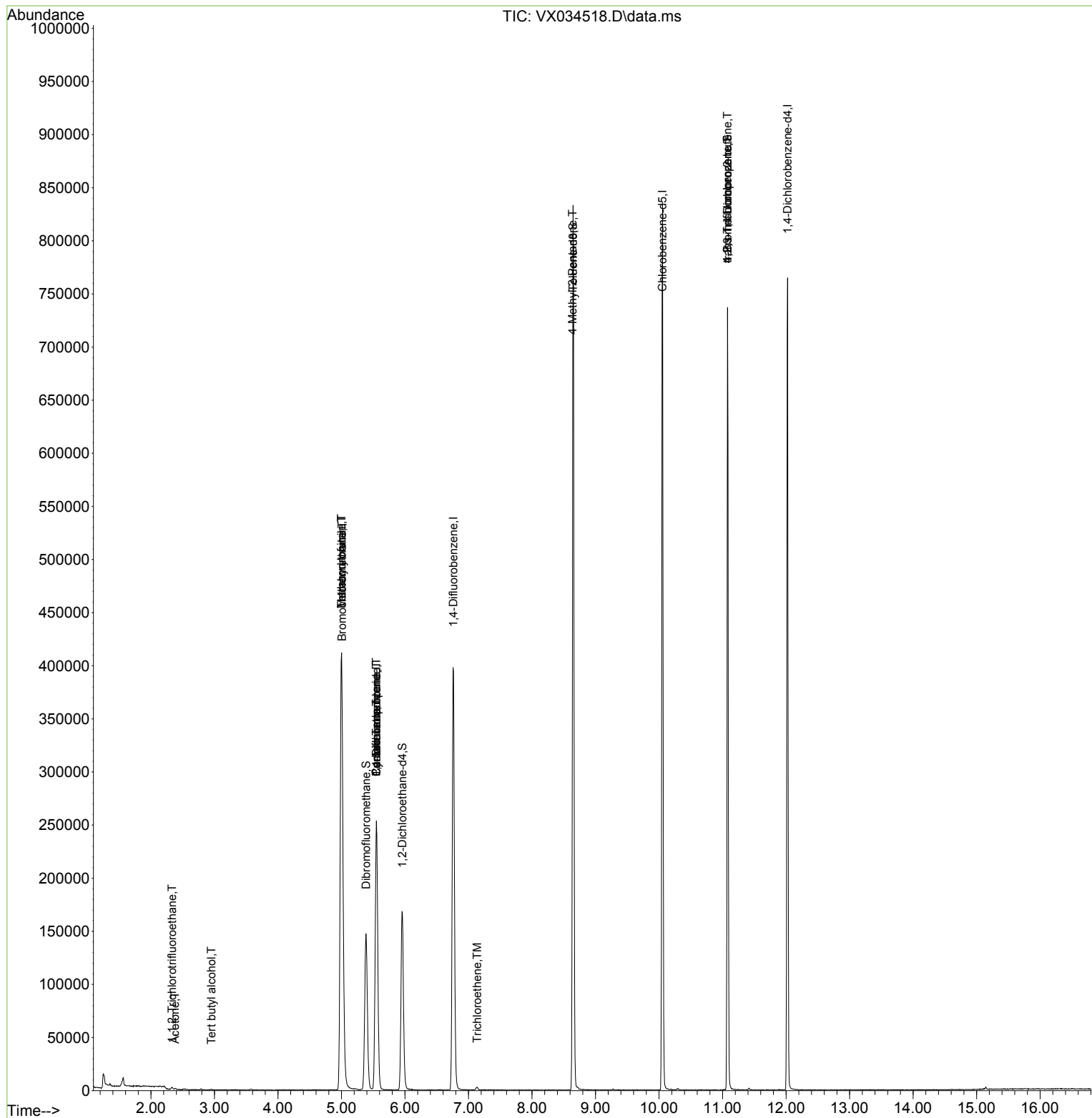
Internal Standards						
1) Pentafluorobenzene	5.550	168	239050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	409993	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	358548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	155226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	163282	46.951	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.900%
35) Dibromofluoromethane	5.385	113	127480	47.093	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.180%
50) Toluene-d8	8.647	98	492907	48.777	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.560%
62) 4-Bromofluorobenzene	11.079	95	188418	46.161	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.320%
Target Compounds						
3) Chloromethane	1.313	50	850	Below Cal		91
9) 1,1,2-Trichlorotrifluo...	2.331	101	848	0.319	ug/l	95
11) Tert butyl alcohol	2.953	59	588	0.812	ug/l #	73
16) Acetone	2.379	43	1218	0.744	ug/l #	82
28) Bromochloromethane	5.007	49	757	0.299	ug/l #	15
29) Tetrahydrofuran	5.001	42	407064	281.437	ug/l	98
31) Cyclohexane	5.550	56	5559	1.140	ug/l #	9
36) 1,1-Dichloropropene	5.550	75	19084	4.590	ug/l #	50
38) Carbon Tetrachloride	5.550	117	23606	5.707	ug/l #	15
41) Methacrylonitrile	5.001	41	225268	90.495	ug/l #	47
44) Trichloroethene	7.135	130	1175	0.372	ug/l	87
51) 4-Methyl-2-Pentanone	8.641	43	2545	0.570	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	98123	27.530	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	98123	74.478	ug/l #	8

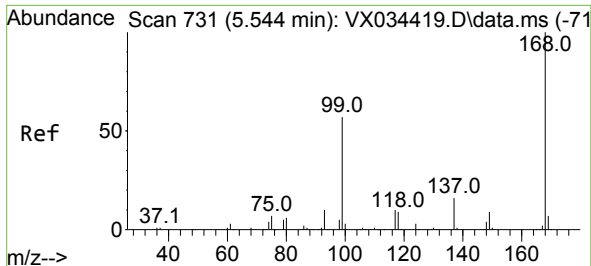
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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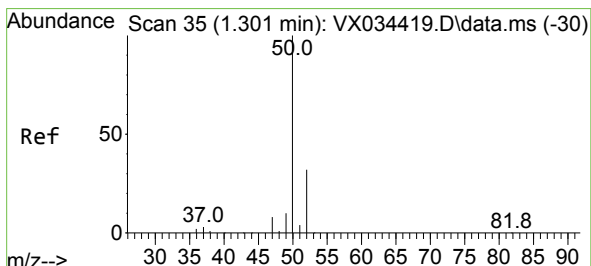
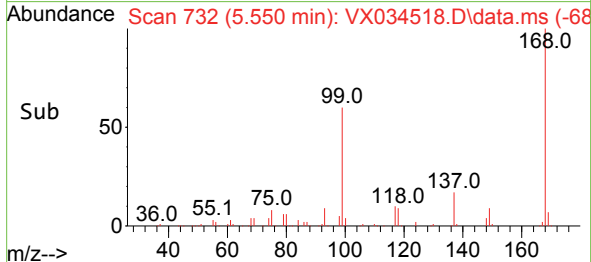
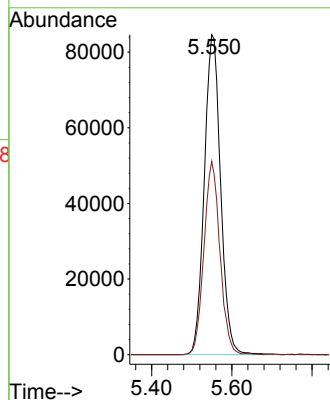
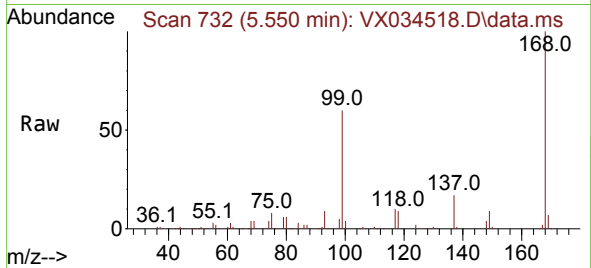




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034518.D
Acq: 15 Mar 2023 19:06

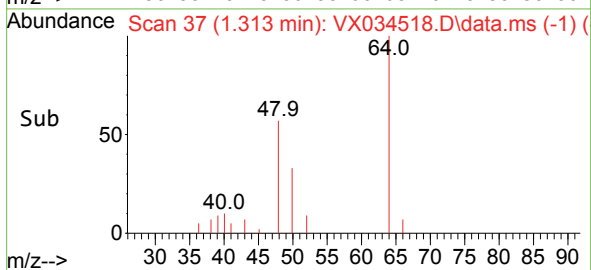
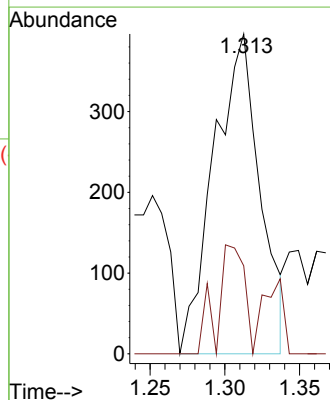
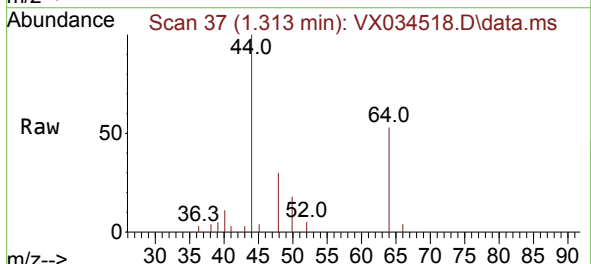
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230312

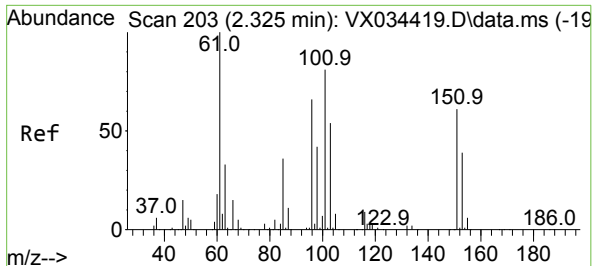
Tgt Ion:168 Resp: 239050
Ion Ratio Lower Upper
168 100
99 60.4 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.313 min Scan# 37
Delta R.T. 0.012 min
Lab File: VX034518.D
Acq: 15 Mar 2023 19:06

Tgt Ion: 50 Resp: 850
Ion Ratio Lower Upper
50 100
52 27.5 25.9 38.9

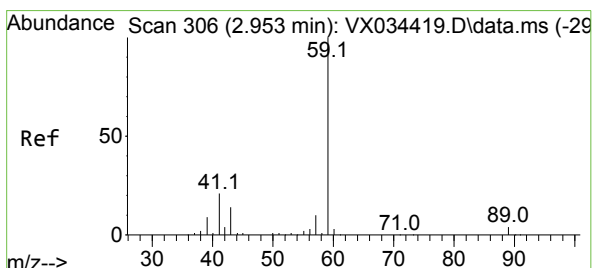
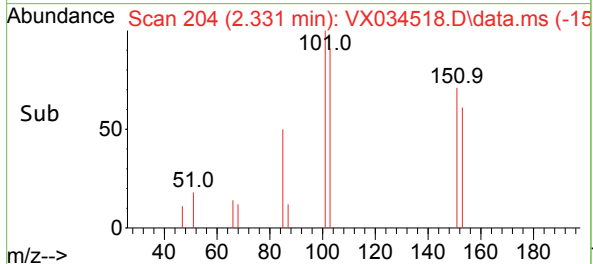
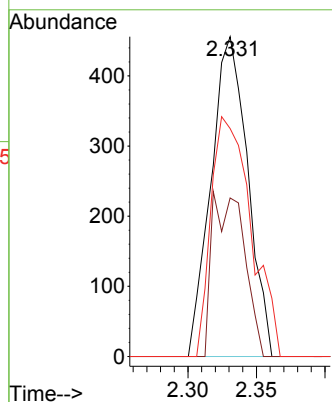
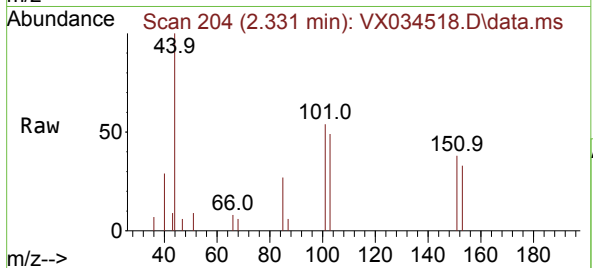




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.319 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX034518.D
Acq: 15 Mar 2023 19:06

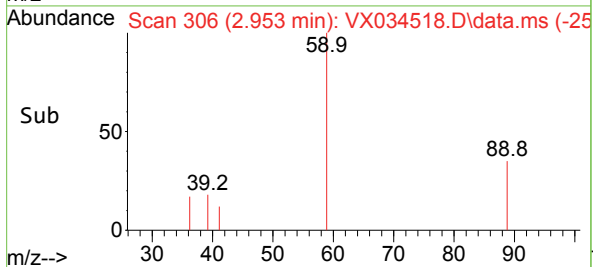
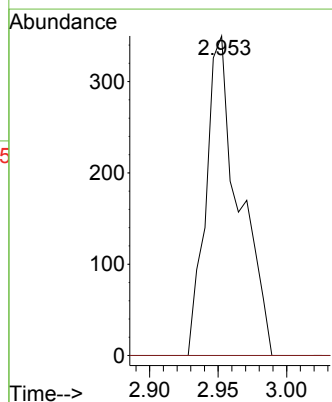
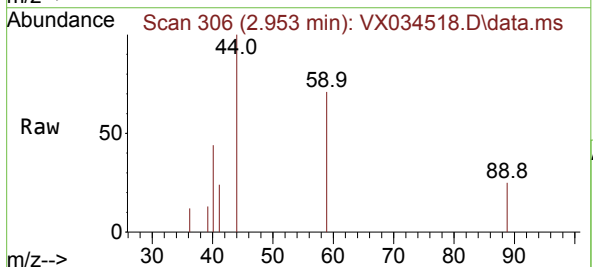
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230312

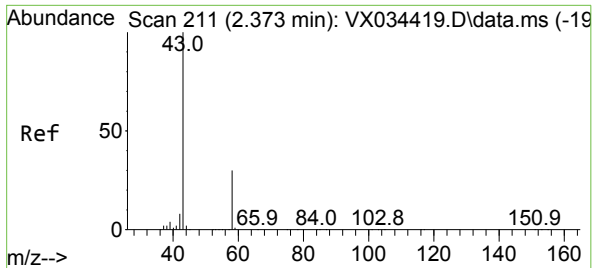
Tgt Ion:101 Resp: 848
Ion Ratio Lower Upper
101 100
85 45.0 35.4 53.2
151 81.8 60.2 90.4



#11
Tert butyl alcohol
Concen: 0.812 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.000 min
Lab File: VX034518.D
Acq: 15 Mar 2023 19:06

Tgt Ion: 59 Resp: 588
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

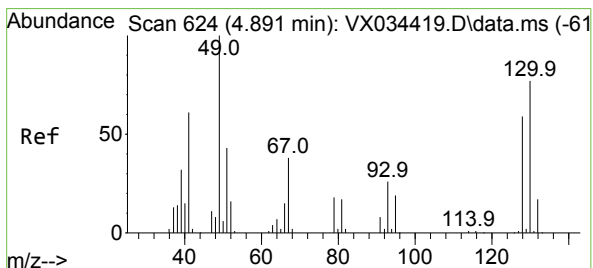
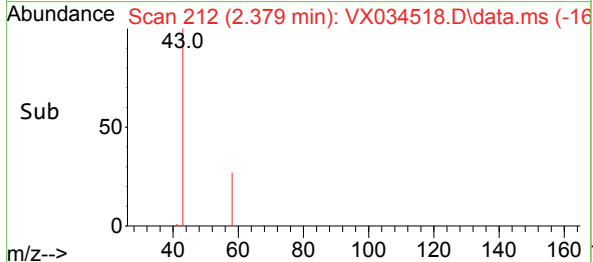
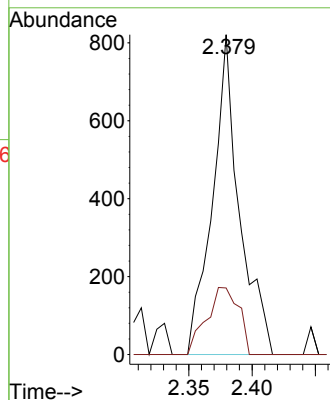
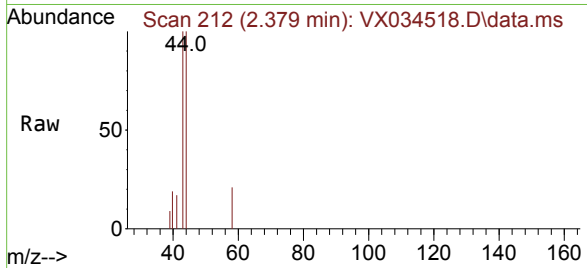




#16
Acetone
Concen: 0.744 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034518.D
Acq: 15 Mar 2023 19:06

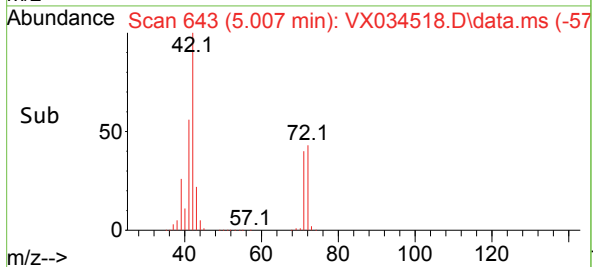
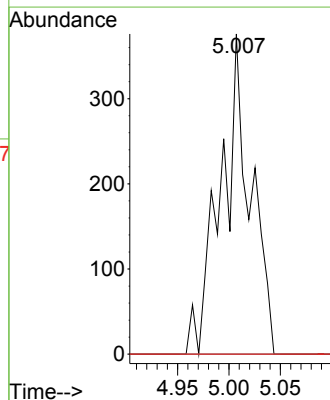
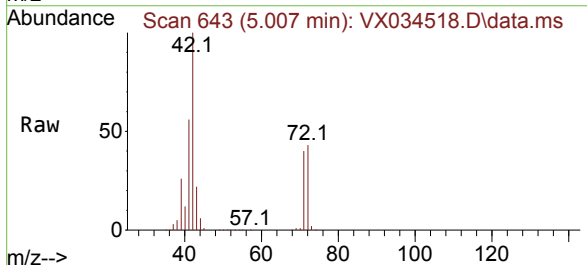
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230312

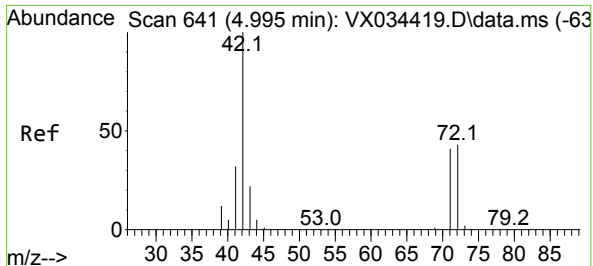
Tgt Ion: 43 Resp: 1218
Ion Ratio Lower Upper
43 100
58 20.8 24.7 37.1#



#28
Bromochloromethane
Concen: 0.299 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.116 min
Lab File: VX034518.D
Acq: 15 Mar 2023 19:06

Tgt Ion: 49 Resp: 757
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 58.2 87.2#





#29

Tetrahydrofuran

Concen: 281.437 ug/l

RT: 5.001 min Scan# 641

Delta R.T. 0.006 min

Lab File: VX034518.D

Acq: 15 Mar 2023 19:06

Instrument :

MSVOA_X

ClientSampleId :

DUP05-20230312

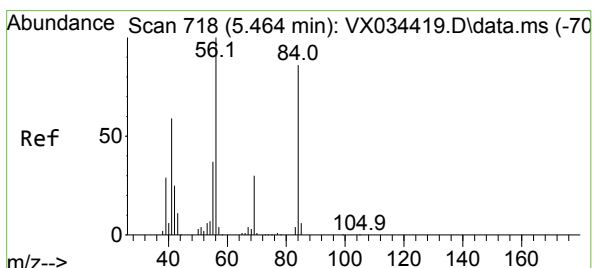
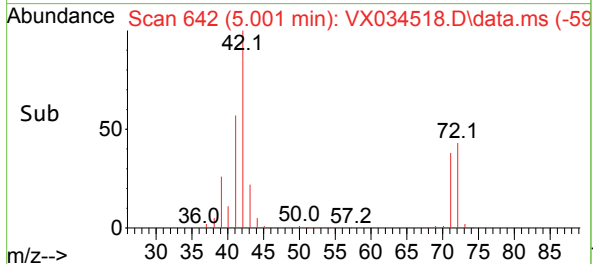
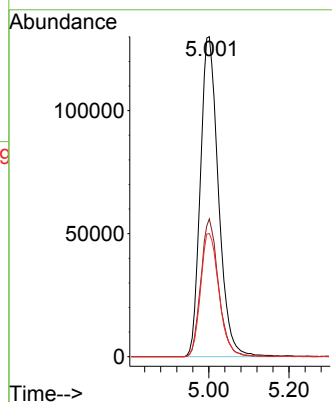
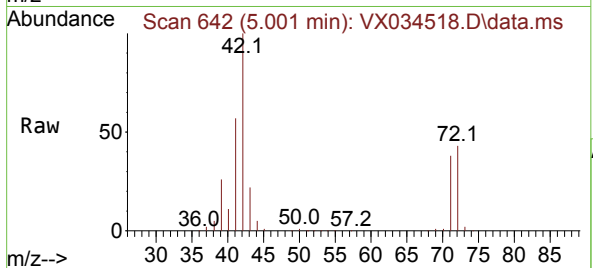
Tgt Ion: 42 Resp: 407064

Ion Ratio Lower Upper

42 100

72 42.2 34.5 51.7

71 39.1 32.1 48.1



#31

Cyclohexane

Concen: 1.140 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX034518.D

Acq: 15 Mar 2023 19:06

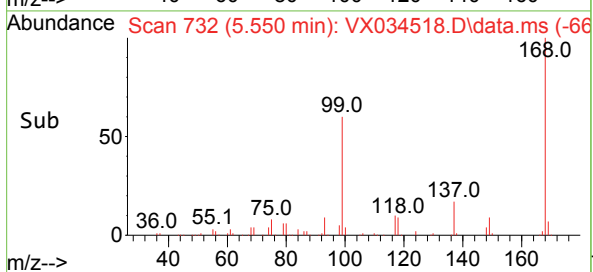
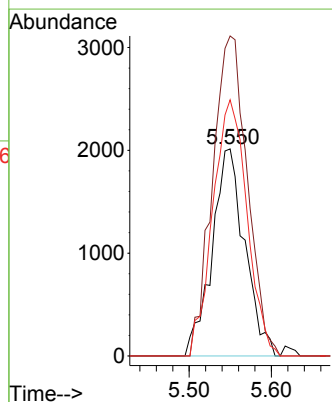
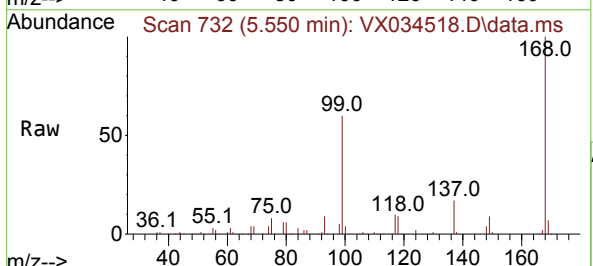
Tgt Ion: 56 Resp: 5559

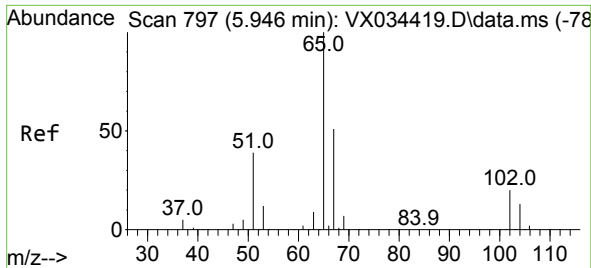
Ion Ratio Lower Upper

56 100

69 154.6 23.7 35.5#

84 123.8 68.5 102.7#

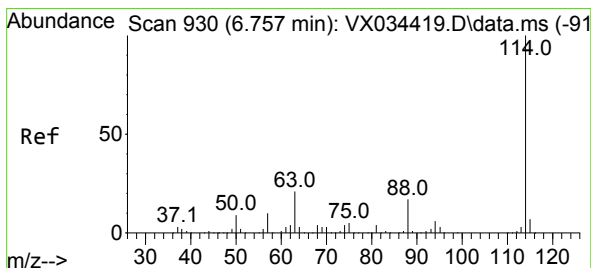
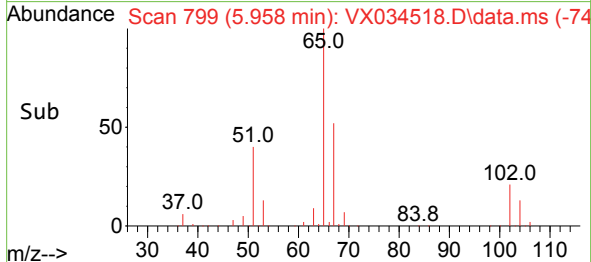
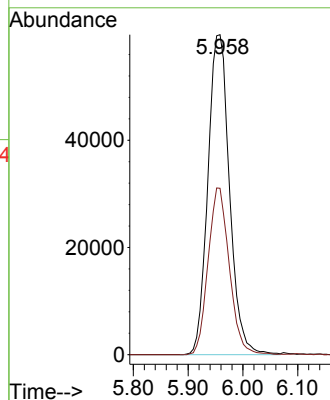
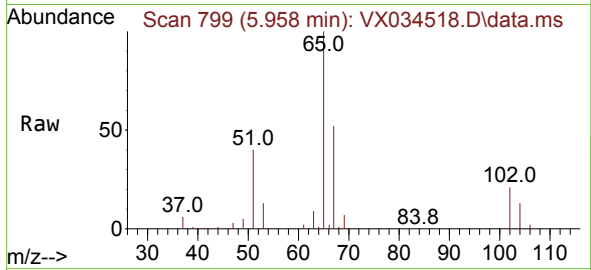




#33
 1,2-Dichloroethane-d4
 Concen: 46.951 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.012 min
 Lab File: VX034518.D
 Acq: 15 Mar 2023 19:06

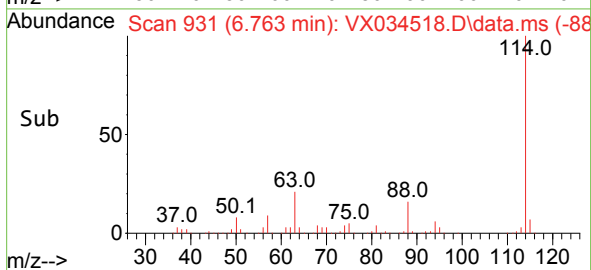
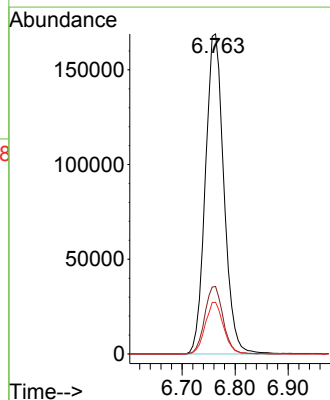
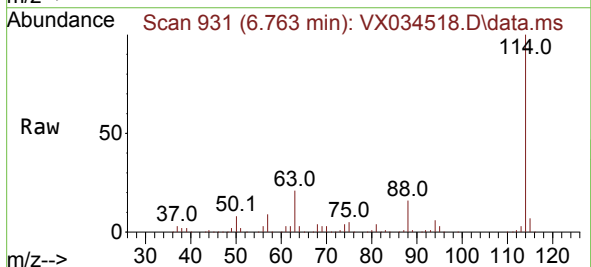
Instrument :
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 ClientSampleId :
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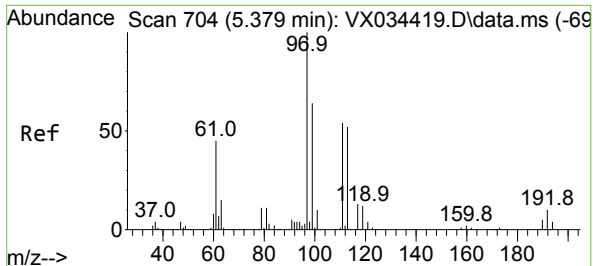
Tgt Ion: 65 Resp: 163282
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX034518.D
 Acq: 15 Mar 2023 19:06

Tgt Ion: 114 Resp: 409993
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.2
 88 16.1 0.0 33.2

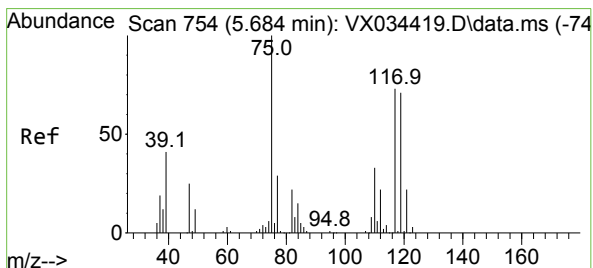
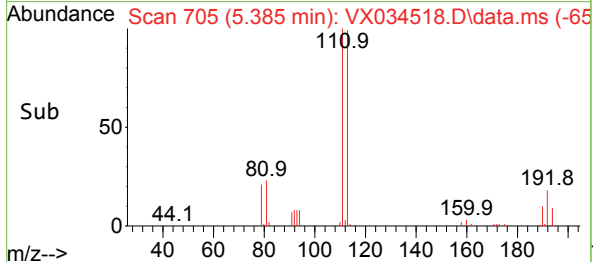
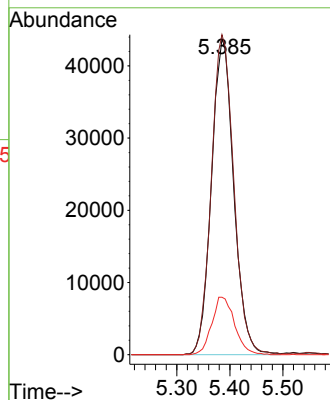
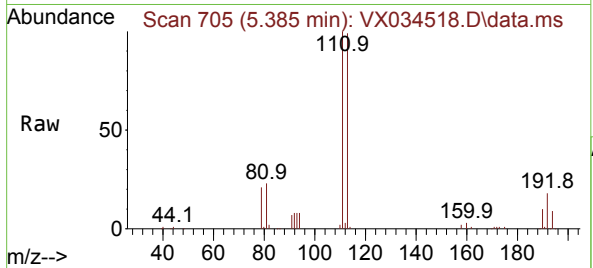




#35
Dibromofluoromethane
Concen: 47.093 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX034518.D
Acq: 15 Mar 2023 19:06

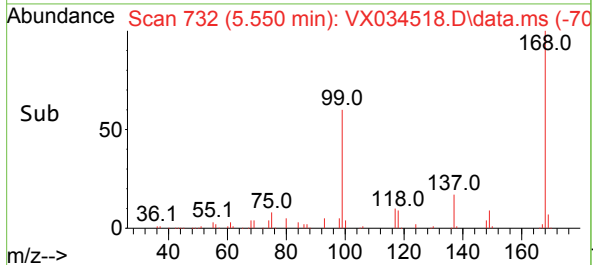
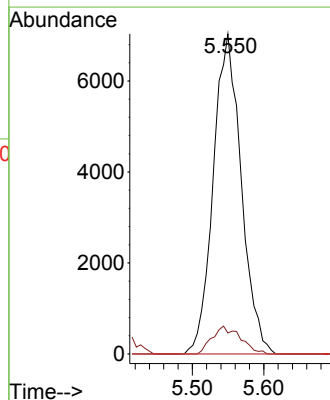
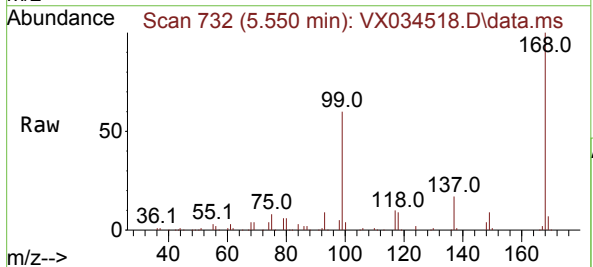
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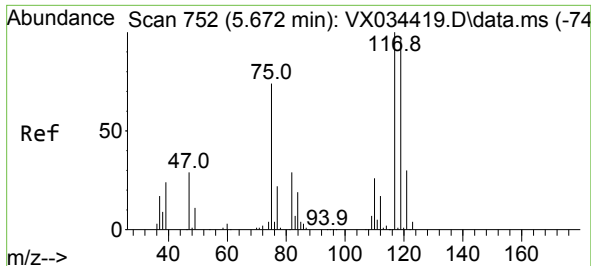
Tgt Ion:113 Resp: 127480
Ion Ratio Lower Upper
113 100
111 102.3 83.7 125.5
192 18.7 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.590 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX034518.D
Acq: 15 Mar 2023 19:06

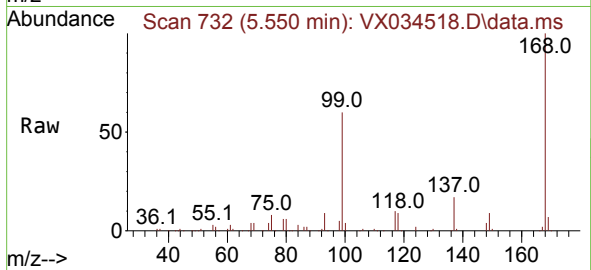
Tgt Ion: 75 Resp: 19084
Ion Ratio Lower Upper
75 100
110 8.8 17.5 52.5#
77 0.0 24.3 36.5#



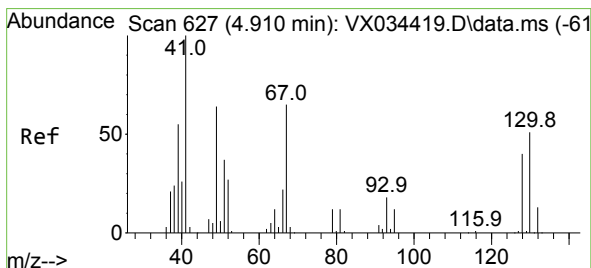
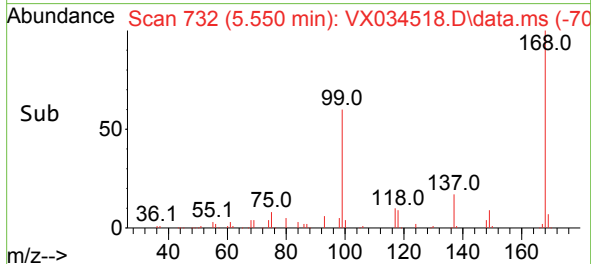
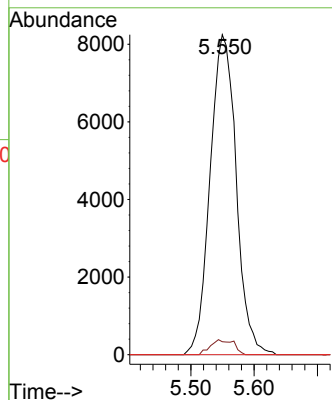


#38
Carbon Tetrachloride
Concen: 5.707 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034518.D
Acq: 15 Mar 2023 19:06

Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230312

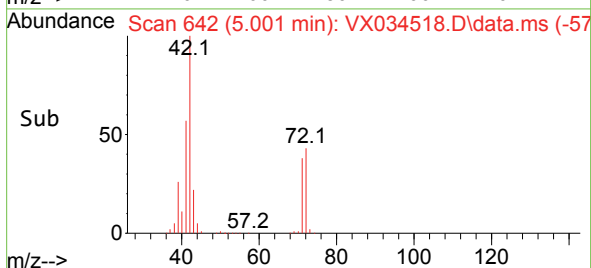
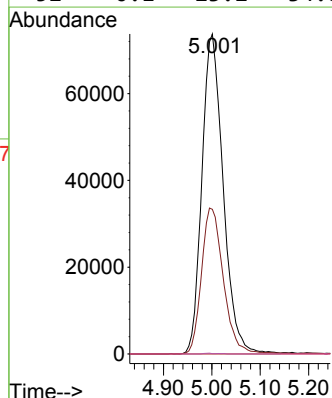
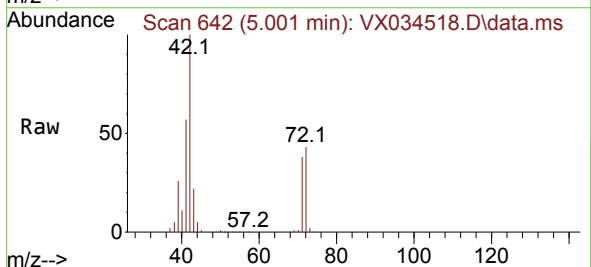


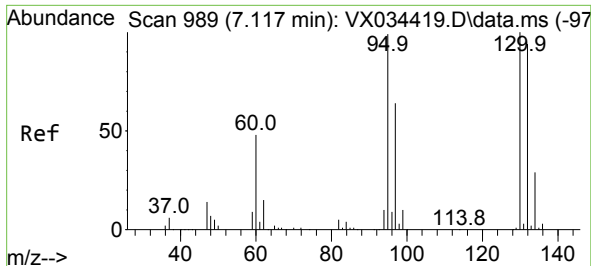
Tgt Ion:117 Resp: 23606
Ion Ratio Lower Upper
117 100
119 4.0 76.6 114.8#
121 0.0 23.8 35.6#



#41
Methacrylonitrile
Concen: 90.495 ug/l
RT: 5.001 min Scan# 642
Delta R.T. 0.091 min
Lab File: VX034518.D
Acq: 15 Mar 2023 19:06

Tgt Ion: 41 Resp: 225268
Ion Ratio Lower Upper
41 100
39 47.0 45.0 67.6
67 0.0 55.6 83.4#
52 0.1 23.2 34.8#

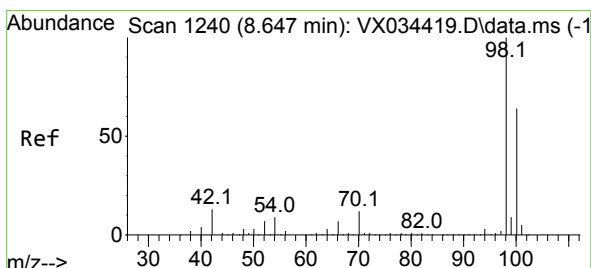
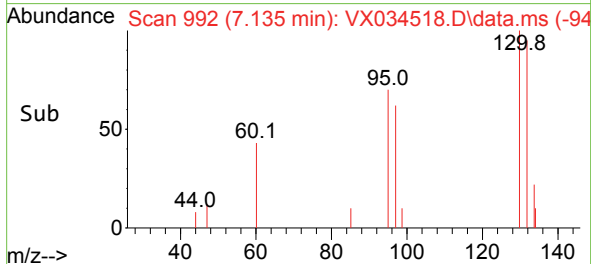
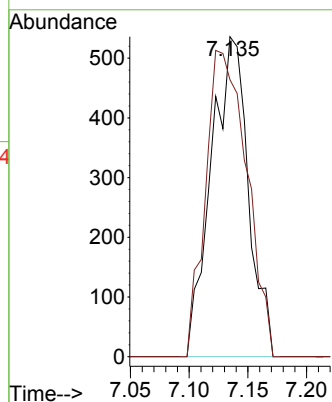
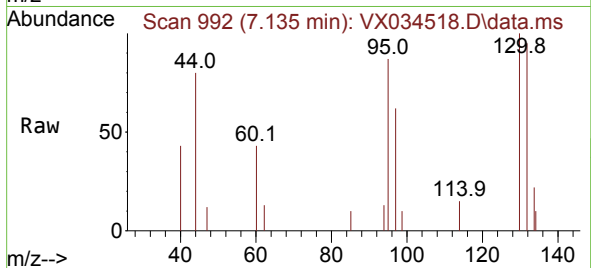




#44
Trichloroethene
Concen: 0.372 ug/l
RT: 7.135 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX034518.D
Acq: 15 Mar 2023 19:06

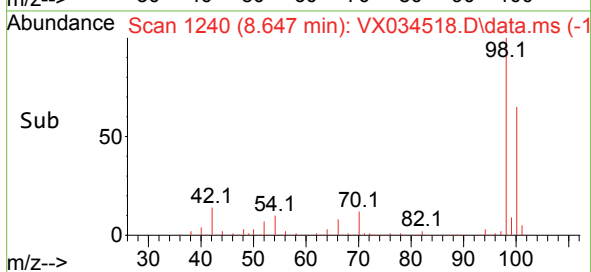
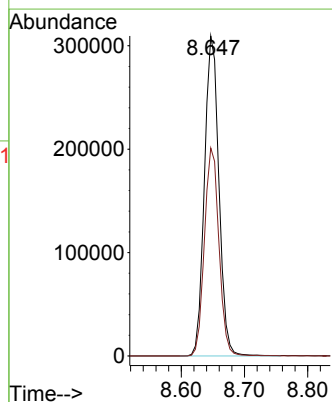
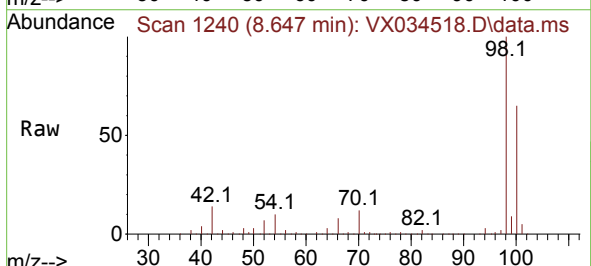
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230312

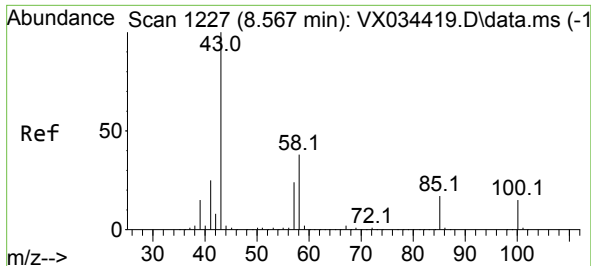
Tgt Ion:130 Resp: 1175
Ion Ratio Lower Upper
130 100
95 86.6 0.0 198.4



#50
Toluene-d8
Concen: 48.777 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX034518.D
Acq: 15 Mar 2023 19:06

Tgt Ion: 98 Resp: 492907
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7

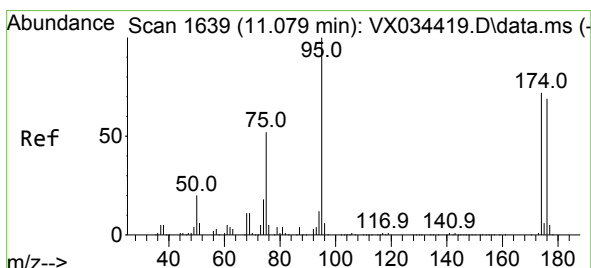
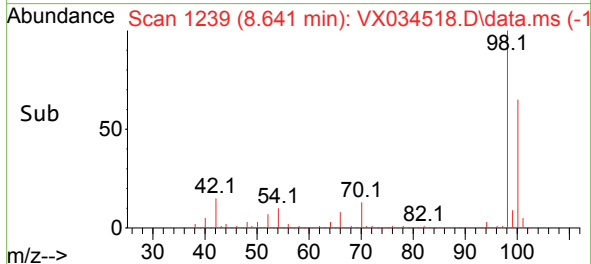
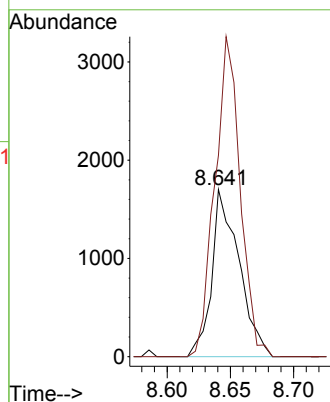
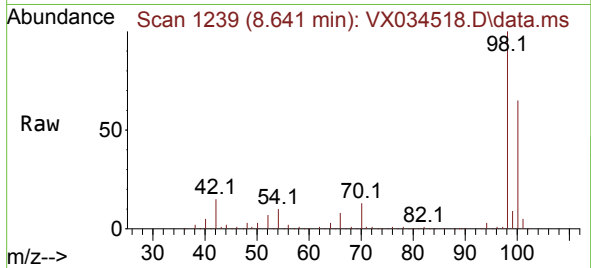




#51
4-Methyl-2-Pentanone
Concen: 0.570 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.073 min
Lab File: VX034518.D
Acq: 15 Mar 2023 19:06

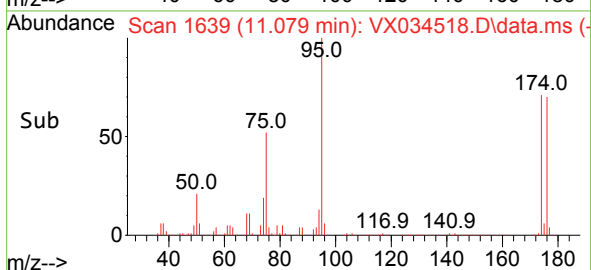
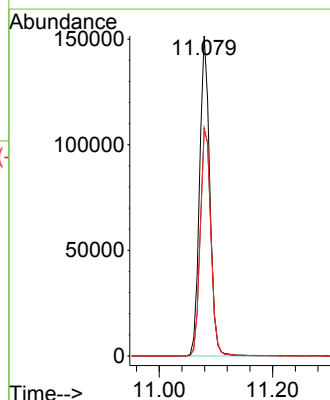
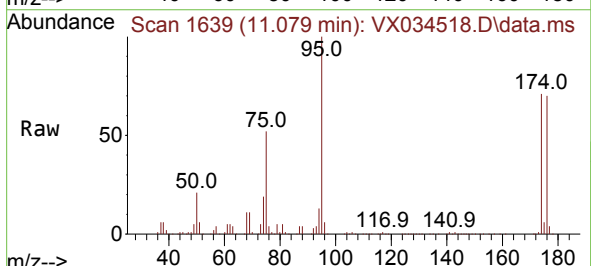
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230312

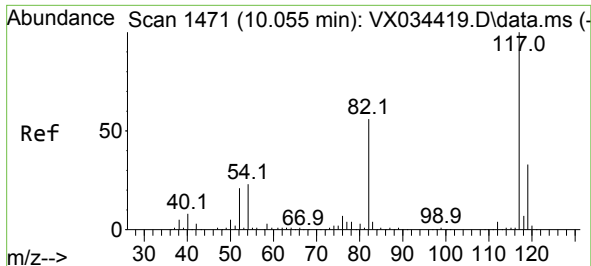
Tgt Ion: 43 Resp: 2545
Ion Ratio Lower Upper
43 100
58 178.3 30.6 46.0#



#62
4-Bromofluorobenzene
Concen: 46.161 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034518.D
Acq: 15 Mar 2023 19:06

Tgt Ion: 95 Resp: 188418
Ion Ratio Lower Upper
95 100
174 74.9 0.0 147.4
176 73.9 0.0 140.6

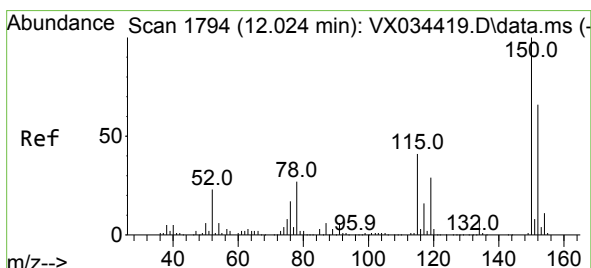
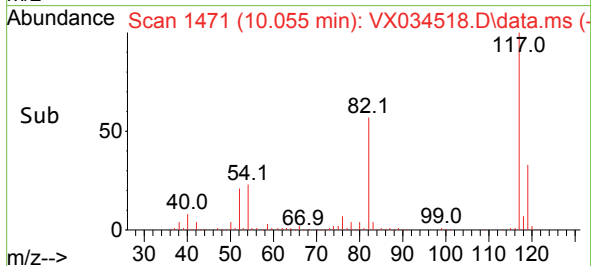
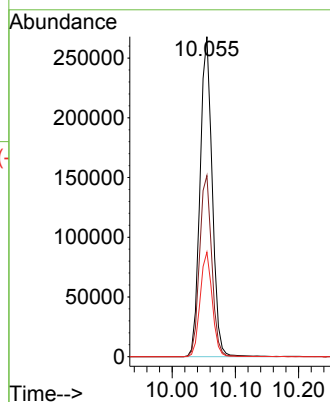
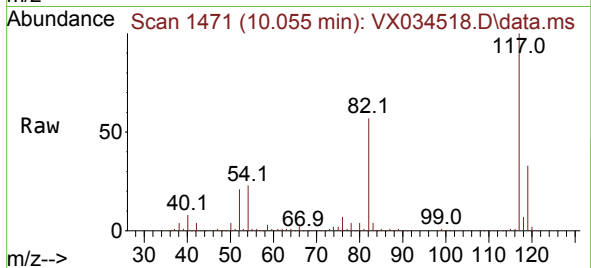




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034518.D
Acq: 15 Mar 2023 19:06

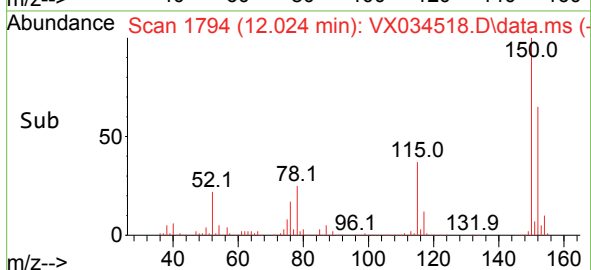
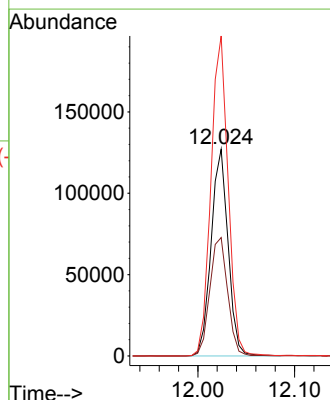
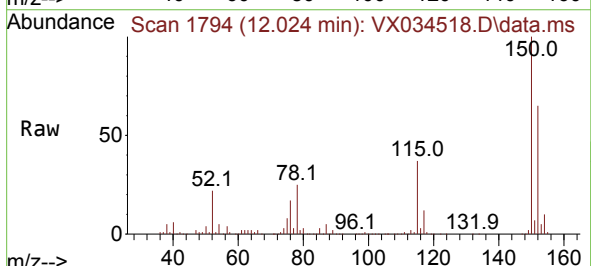
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230312

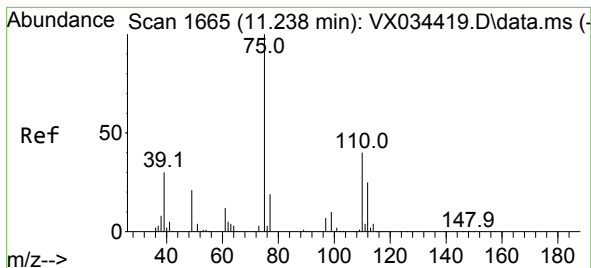
Tgt Ion:117 Resp: 358548
Ion Ratio Lower Upper
117 100
82 56.6 45.0 67.4
119 32.6 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034518.D
Acq: 15 Mar 2023 19:06

Tgt Ion:152 Resp: 155226
Ion Ratio Lower Upper
152 100
115 60.3 45.0 135.0
150 156.7 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 27.530 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034518.D

Acq: 15 Mar 2023 19:06

Instrument :

MSVOA_X

ClientSampleId :

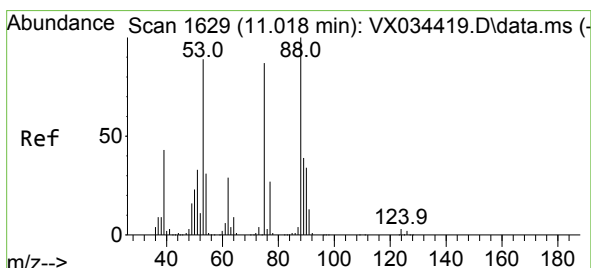
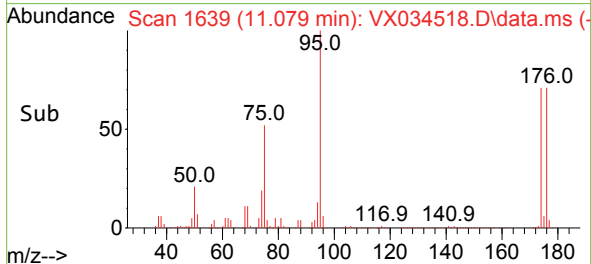
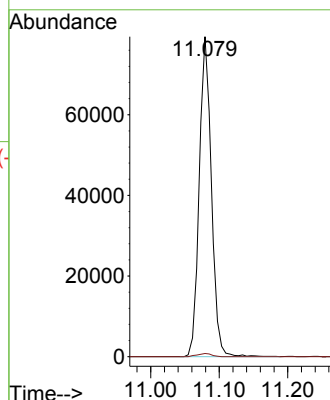
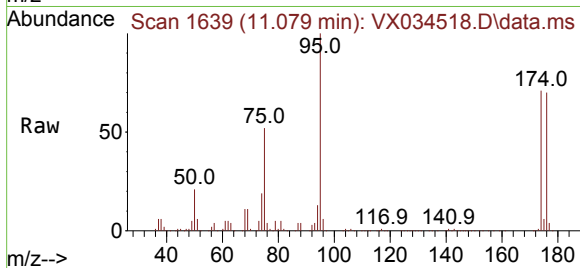
DUP05-20230312

Tgt Ion: 75 Resp: 98123

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.478 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034518.D

Acq: 15 Mar 2023 19:06

Tgt Ion: 75 Resp: 98123

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

