

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081623\
 Data File : VX037018.D
 Acq On : 16 Aug 2023 15:24
 Operator : JC/MD
 Sample : 04024-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D1-20230815

Quant Time: Aug 17 04:15:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

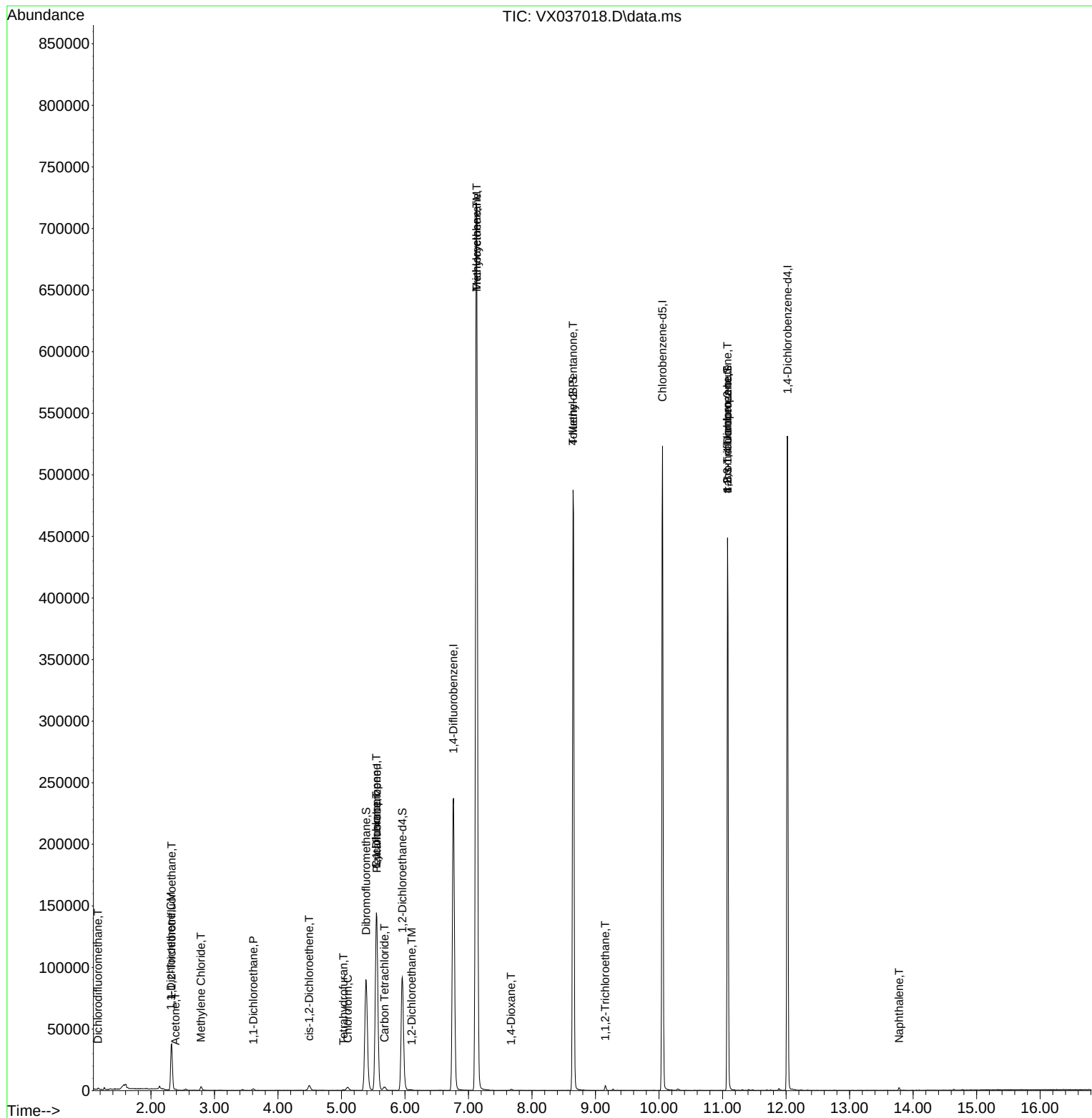
Internal Standards						
1) Pentafluorobenzene	5.556	168	134464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	247490	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	92949	46.718	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.440%
35) Dibromofluoromethane	5.385	113	78478	46.133	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.260%
50) Toluene-d8	8.647	98	294927	48.890	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.780%
62) 4-Bromofluorobenzene	11.079	95	119015	52.292	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.580%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	773	0.435	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	10729	7.030	ug/l	99
12) 1,1-Dichloroethene	2.312	96	5344	3.549	ug/l	89
16) Acetone	2.386	43	909	1.101	ug/l	90
20) Methylene Chloride	2.788	84	1468	0.800	ug/l #	87
24) 1,1-Dichloroethane	3.611	63	1674	0.530	ug/l #	92
27) cis-1,2-Dichloroethene	4.489	96	2604	1.303	ug/l	87
29) Tetrahydrofuran	5.032	42	361	0.418	ug/l #	61
30) Chloroform	5.099	83	3119	0.966	ug/l	89
31) Cyclohexane	5.550	56	2953	1.072	ug/l #	5
36) 1,1-Dichloropropene	5.550	75	10912	4.304	ug/l #	52
38) Carbon Tetrachloride	5.678	117	2513	0.932	ug/l #	79
39) Methylcyclohexane	7.129	83	3299	1.046	ug/l #	1
42) 1,2-Dichloroethane	6.104	62	575	0.213	ug/l #	77
44) Trichloroethene	7.129	130	286677	148.673	ug/l	96
49) 1,4-Dioxane	7.671	88	871	18.767	ug/l #	76
51) 4-Methyl-2-Pentanone	8.647	43	1181	0.432	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	1078	0.555	ug/l #	88
76) 1,2,3-Trichloropropane	11.079	75	62326	23.523	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	62326	53.316	ug/l #	5
95) Naphthalene	13.780	128	1971	0.242	ug/l #	96

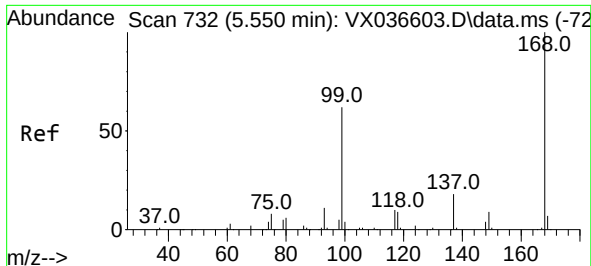
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration

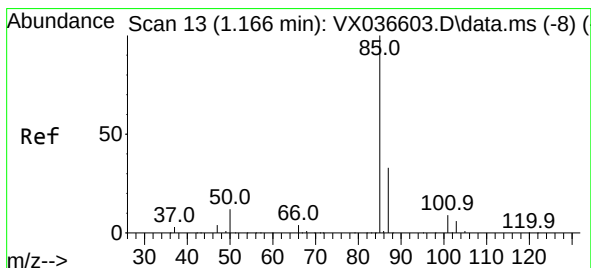
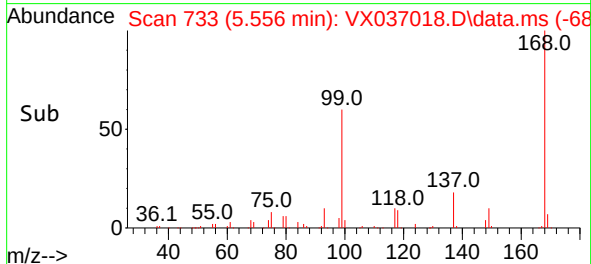
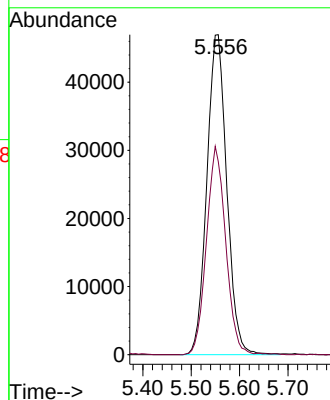
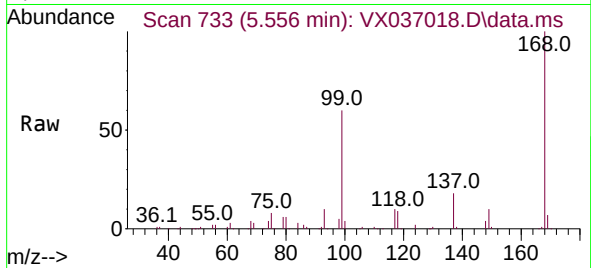




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037018.D
Acq: 16 Aug 2023 15:24

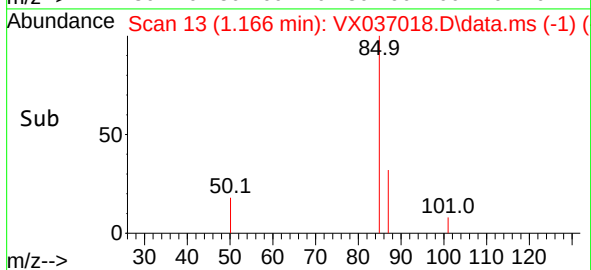
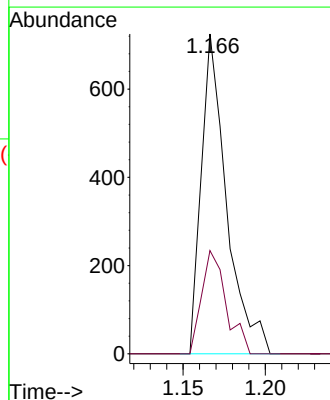
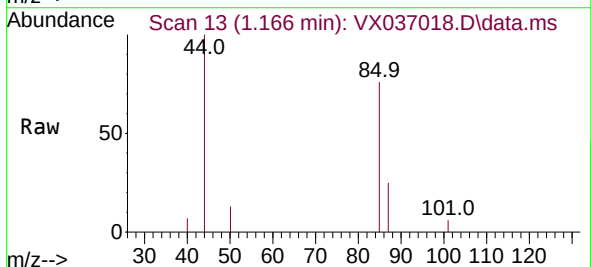
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20230815

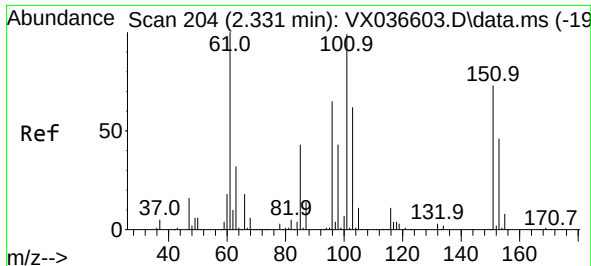
Tgt Ion:168 Resp: 134464
Ion Ratio Lower Upper
168 100
99 60.4 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.435 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX037018.D
Acq: 16 Aug 2023 15:24

Tgt Ion: 85 Resp: 773
Ion Ratio Lower Upper
85 100
87 32.3 16.7 50.1

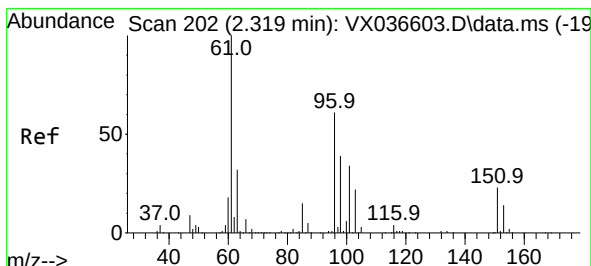
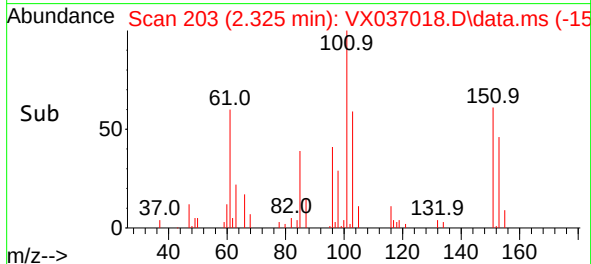
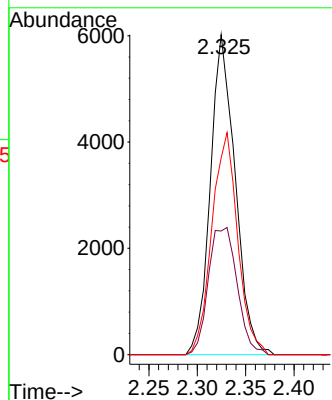
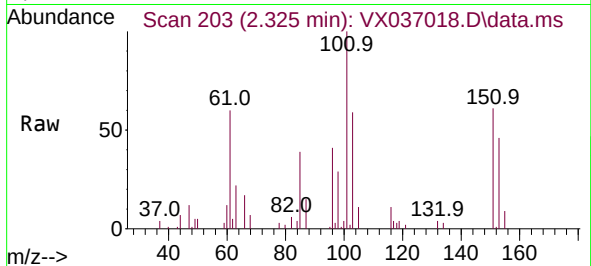




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 7.030 ug/l
 RT: 2.325 min Scan# 204
 Delta R.T. -0.006 min
 Lab File: VX037018.D
 Acq: 16 Aug 2023 15:24

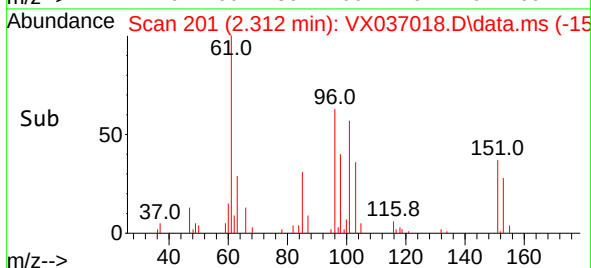
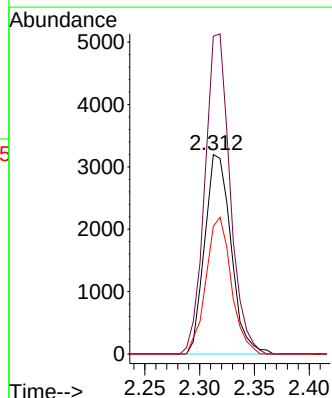
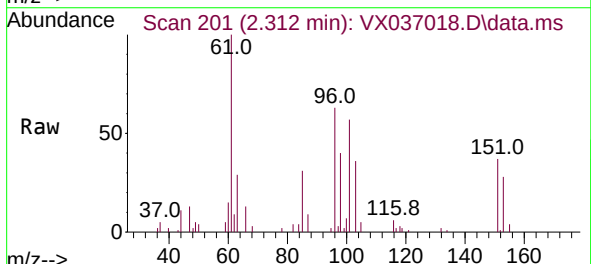
Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D1-20230815

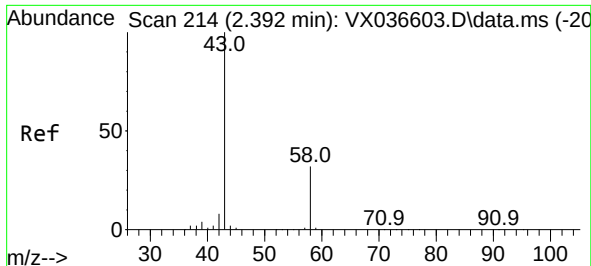
Tgt Ion:101 Resp: 10729
 Ion Ratio Lower Upper
 101 100
 85 46.1 37.0 55.6
 151 72.3 58.6 87.8



#12
 1,1-Dichloroethene
 Concen: 3.549 ug/l
 RT: 2.312 min Scan# 201
 Delta R.T. -0.006 min
 Lab File: VX037018.D
 Acq: 16 Aug 2023 15:24

Tgt Ion: 96 Resp: 5344
 Ion Ratio Lower Upper
 96 100
 61 159.4 144.6 216.8
 98 64.1 50.4 75.6

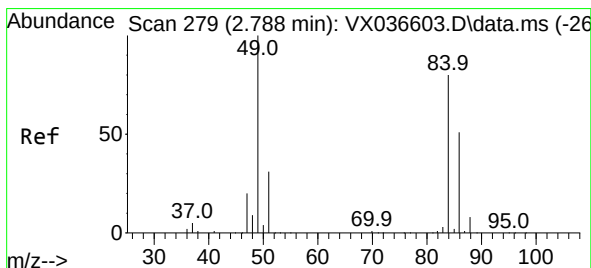
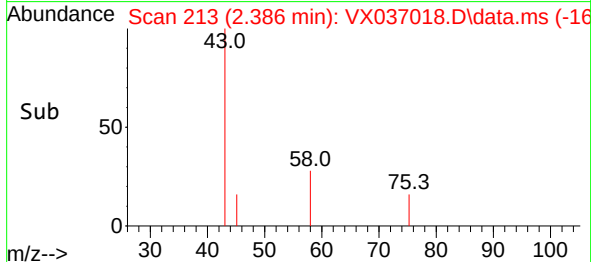
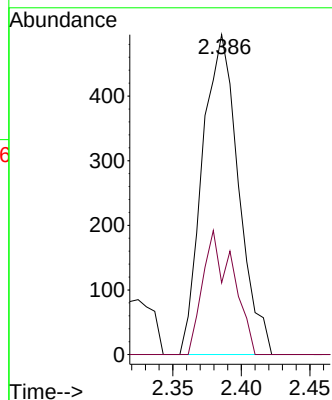
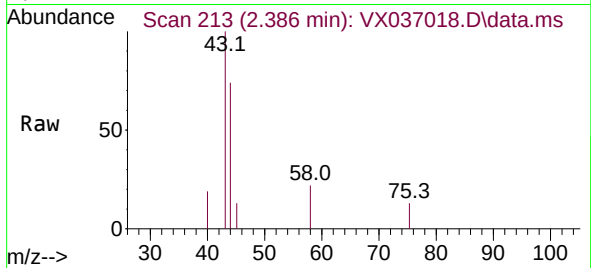




#16
Acetone
Concen: 1.101 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX037018.D
Acq: 16 Aug 2023 15:24

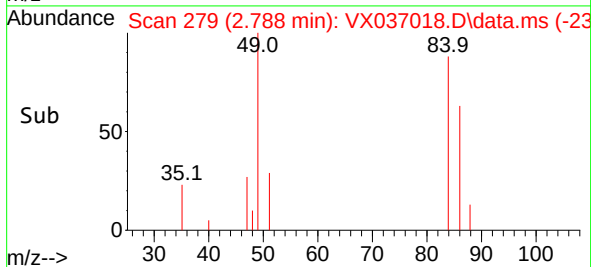
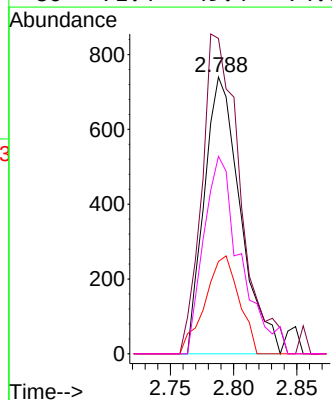
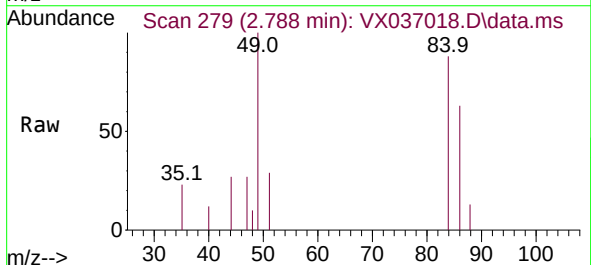
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20230815

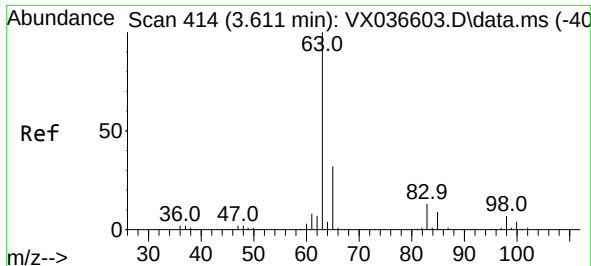
Tgt Ion: 43 Resp: 909
Ion Ratio Lower Upper
43 100
58 22.4 21.9 32.9



#20
Methylene Chloride
Concen: 0.800 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX037018.D
Acq: 16 Aug 2023 15:24

Tgt Ion: 84 Resp: 1468
Ion Ratio Lower Upper
84 100
49 113.9 103.6 155.4
51 33.4 33.8 50.6#
86 71.4 49.4 74.0

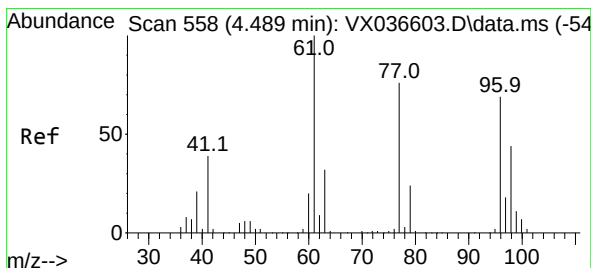
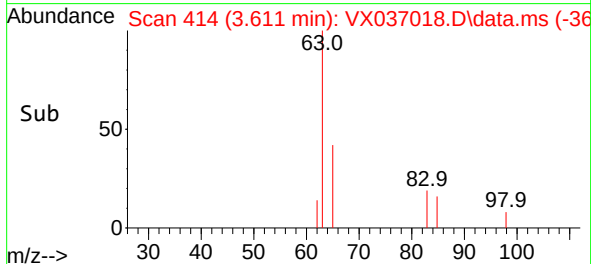
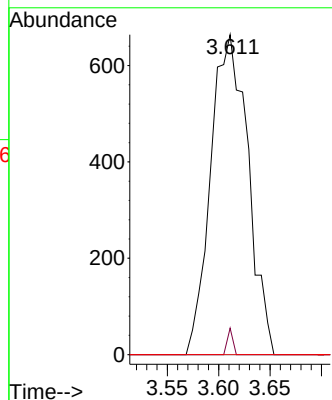
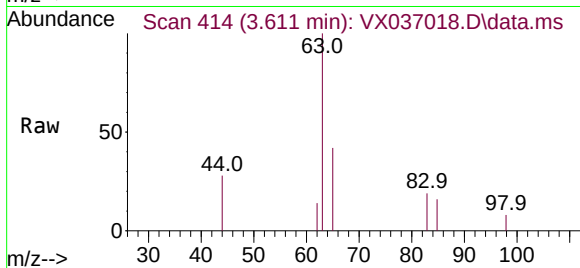




#24
 1,1-Dichloroethane
 Concen: 0.530 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. -0.000 min
 Lab File: VX037018.D
 Acq: 16 Aug 2023 15:24

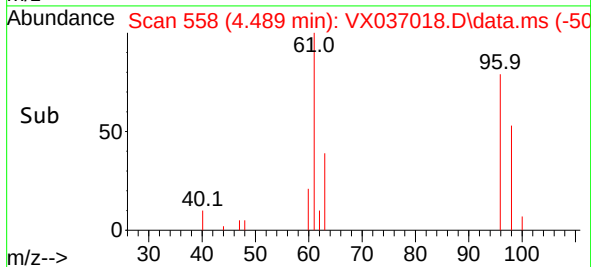
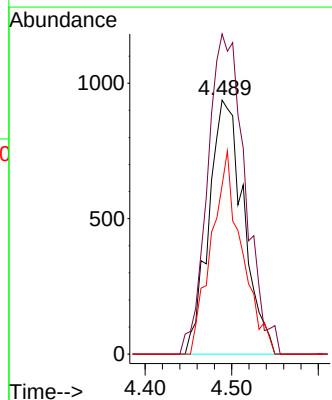
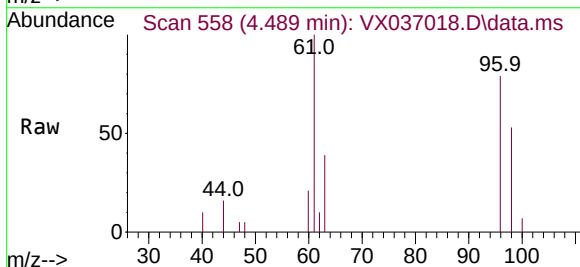
Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D1-20230815

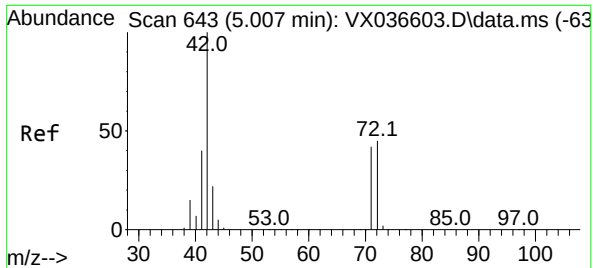
Tgt Ion: 63 Resp: 1674
 Ion Ratio Lower Upper
 63 100
 98 8.3 3.3 9.8
 100 0.0 2.1 6.5#



#27
 cis-1,2-Dichloroethene
 Concen: 1.303 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. -0.000 min
 Lab File: VX037018.D
 Acq: 16 Aug 2023 15:24

Tgt Ion: 96 Resp: 2604
 Ion Ratio Lower Upper
 96 100
 61 136.7 0.0 312.2
 98 70.2 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.418 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX037018.D

Acq: 16 Aug 2023 15:24

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20230815

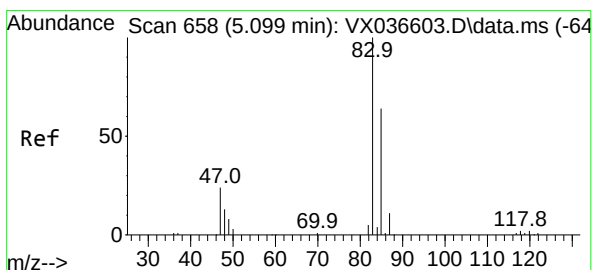
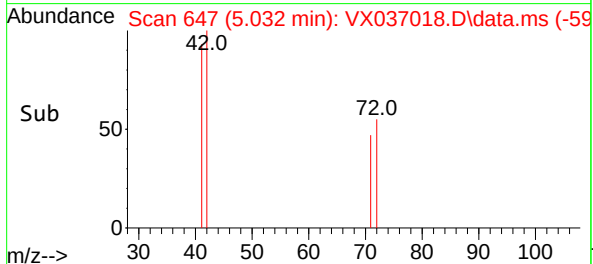
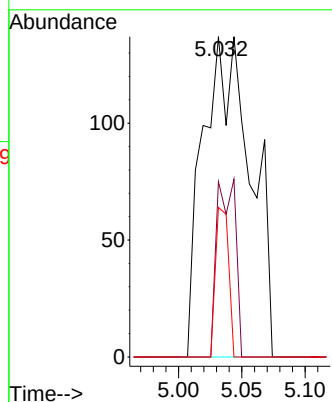
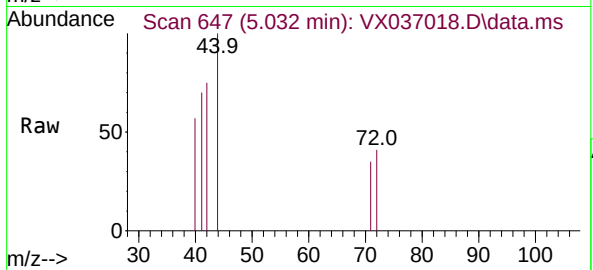
Tgt Ion: 42 Resp: 361

Ion Ratio Lower Upper

42 100

72 21.6 34.2 51.4#

71 12.7 32.2 48.2#



#30

Chloroform

Concen: 0.966 ug/l

RT: 5.099 min Scan# 658

Delta R.T. -0.000 min

Lab File: VX037018.D

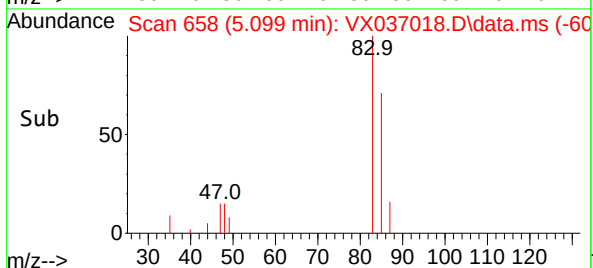
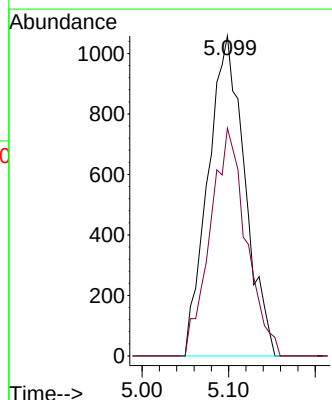
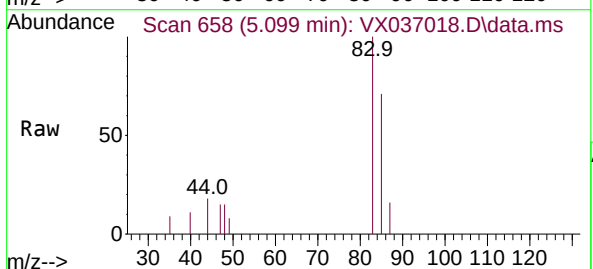
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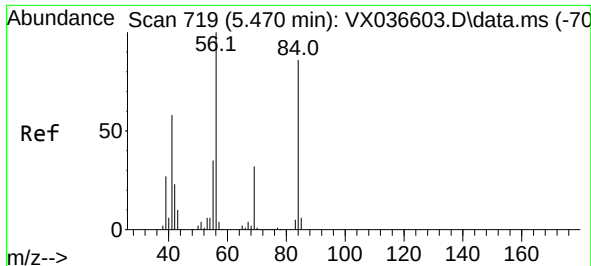
Tgt Ion: 83 Resp: 3119

Ion Ratio Lower Upper

83 100

85 71.2 50.3 75.5

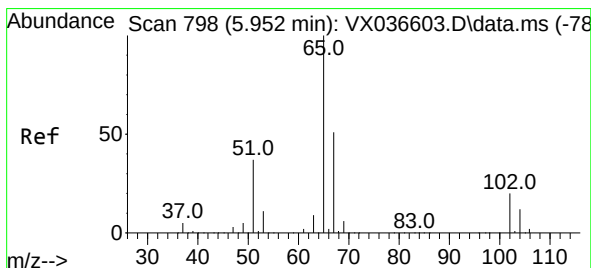
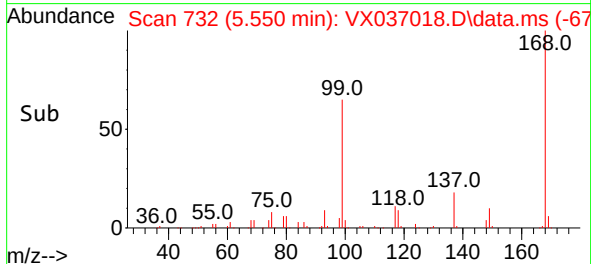
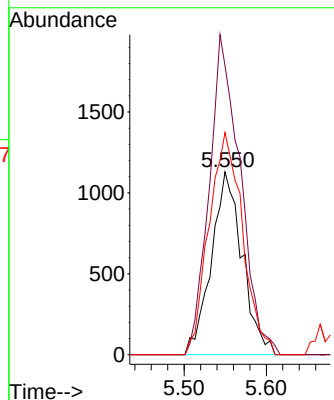
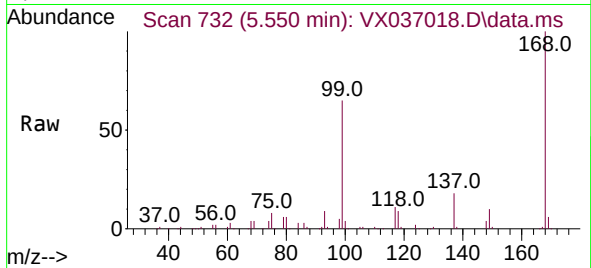




#31
Cyclohexane
Concen: 1.072 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037018.D
Acq: 16 Aug 2023 15:24

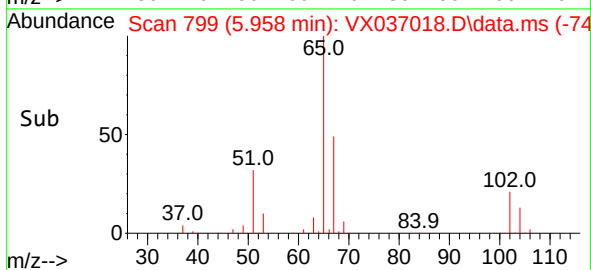
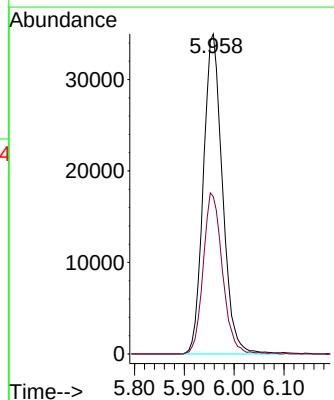
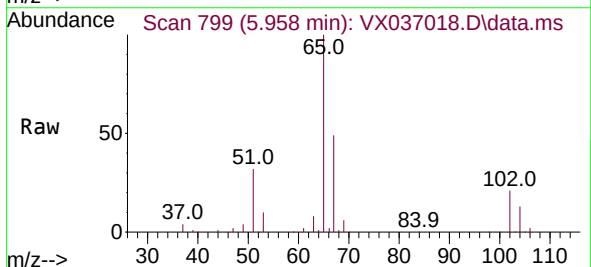
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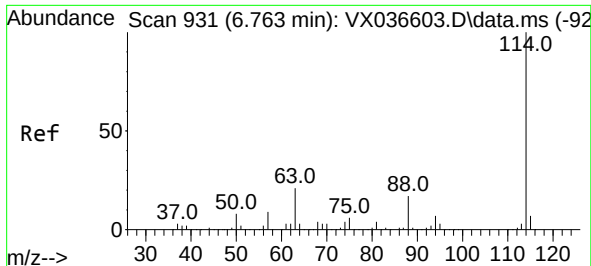
Tgt Ion: 56 Resp: 2953
Ion Ratio Lower Upper
56 100
69 158.1 23.4 35.2#
84 121.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.718 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX037018.D
Acq: 16 Aug 2023 15:24

Tgt Ion: 65 Resp: 92949
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.2

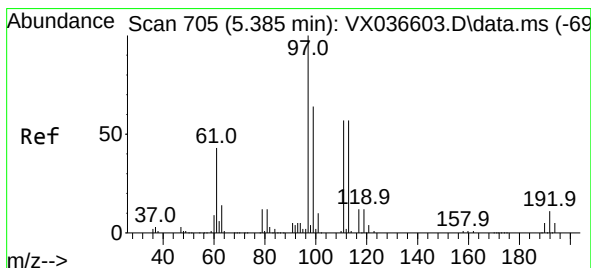
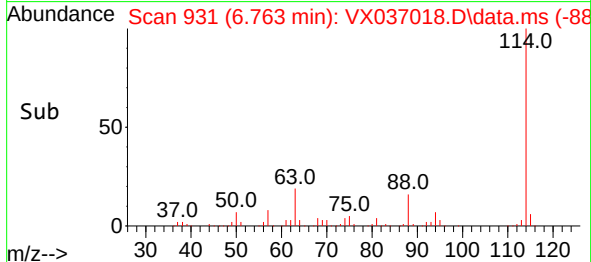
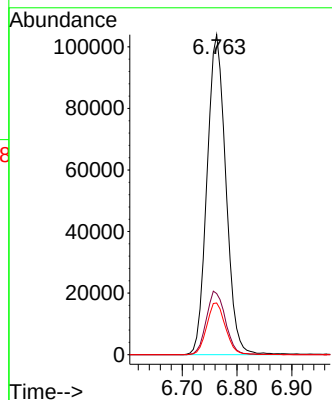
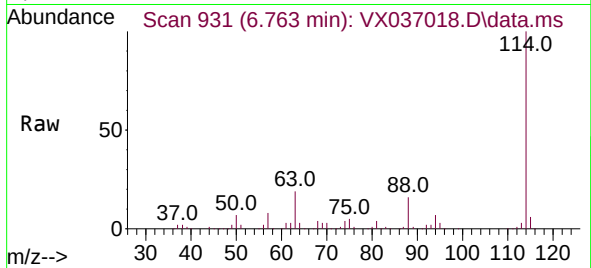




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037018.D
Acq: 16 Aug 2023 15:24

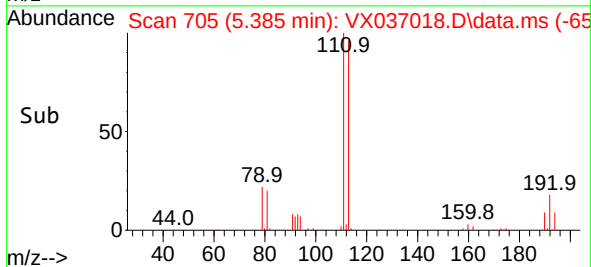
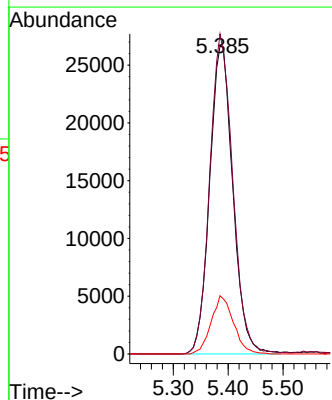
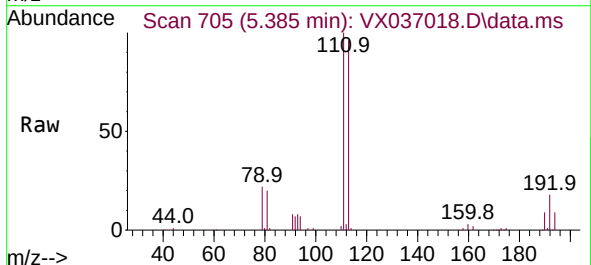
Instrument :
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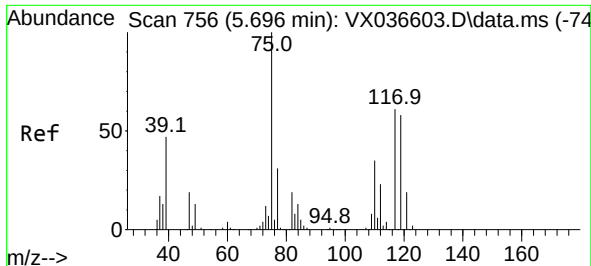
Tgt Ion:114 Resp: 247490
Ion Ratio Lower Upper
114 100
63 19.1 0.0 45.0
88 16.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.133 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037018.D
Acq: 16 Aug 2023 15:24

Tgt Ion:113 Resp: 78478
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 18.2 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.304 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX037018.D

Acq: 16 Aug 2023 15:24

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20230815

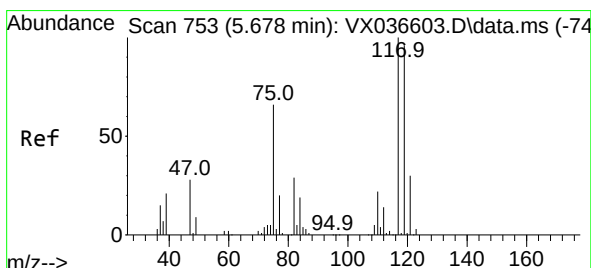
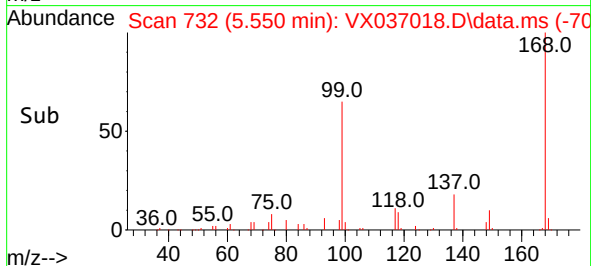
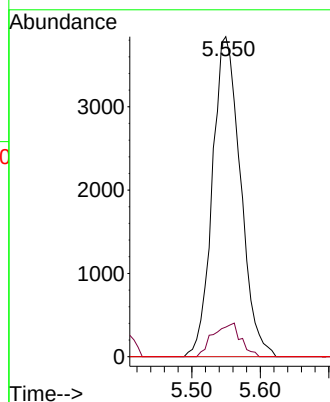
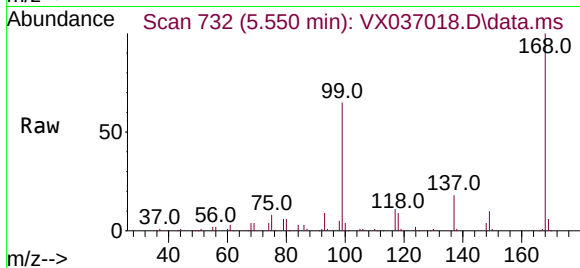
Tgt Ion: 75 Resp: 10912

Ion Ratio Lower Upper

75 100

110 10.3 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 0.932 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.000 min

Lab File: VX037018.D

Acq: 16 Aug 2023 15:24

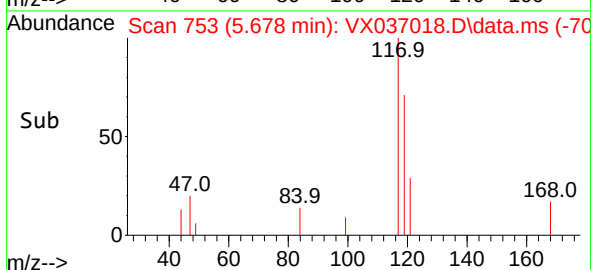
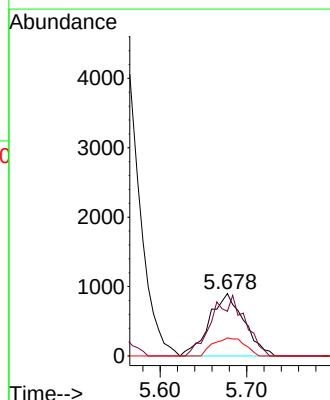
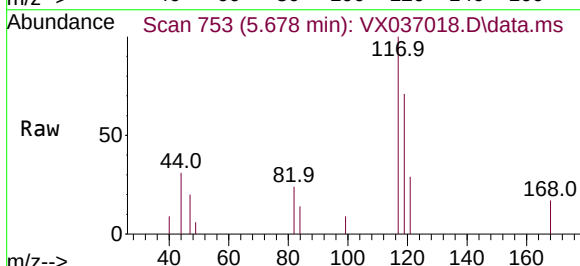
Tgt Ion: 117 Resp: 2513

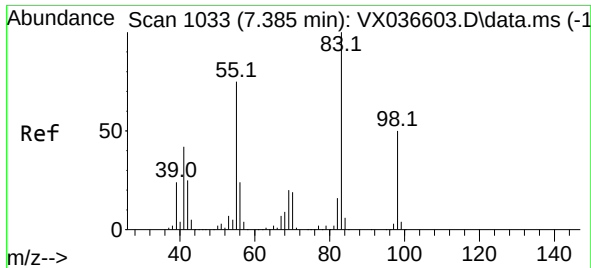
Ion Ratio Lower Upper

117 100

119 71.4 78.2 117.2#

121 29.0 24.4 36.6

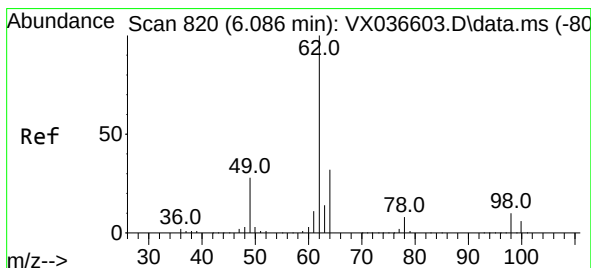
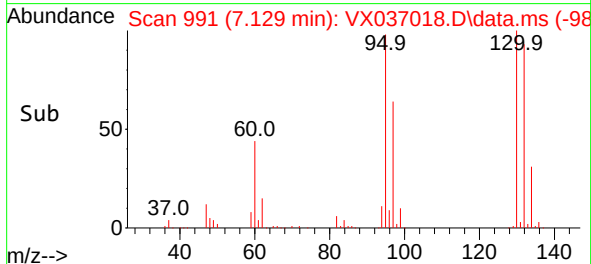
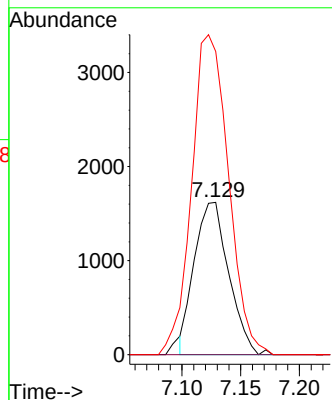
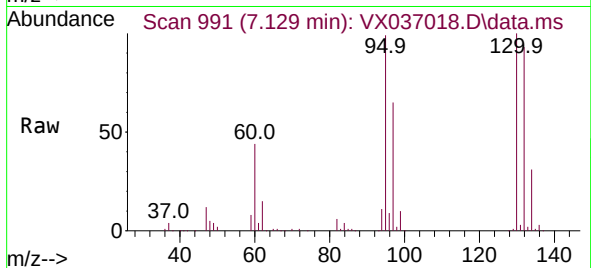




#39
Methylcyclohexane
Concen: 1.046 ug/l
RT: 7.129 min Scan# 91
Delta R.T. -0.256 min
Lab File: VX037018.D
Acq: 16 Aug 2023 15:24

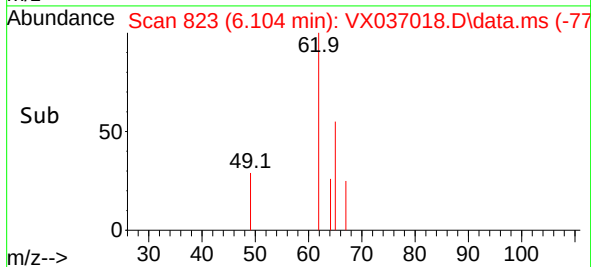
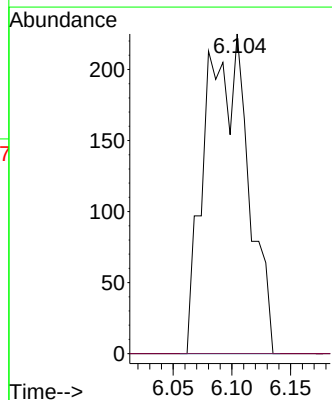
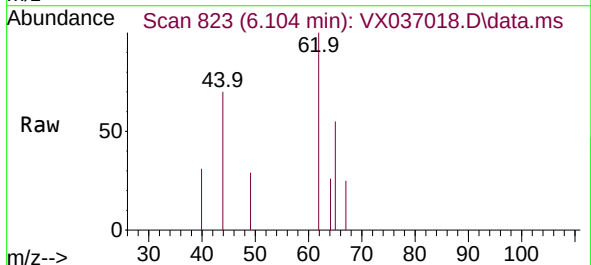
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20230815

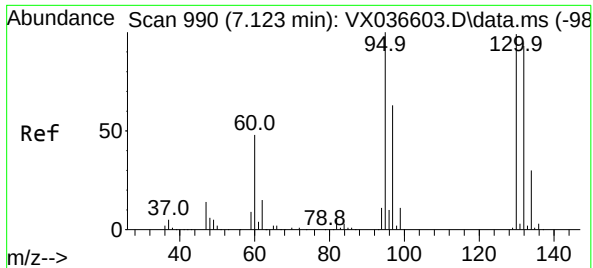
Tgt Ion: 83 Resp: 3299
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 199.0 36.7 55.1#



#42
1,2-Dichloroethane
Concen: 0.213 ug/l
RT: 6.104 min Scan# 823
Delta R.T. 0.018 min
Lab File: VX037018.D
Acq: 16 Aug 2023 15:24

Tgt Ion: 62 Resp: 575
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

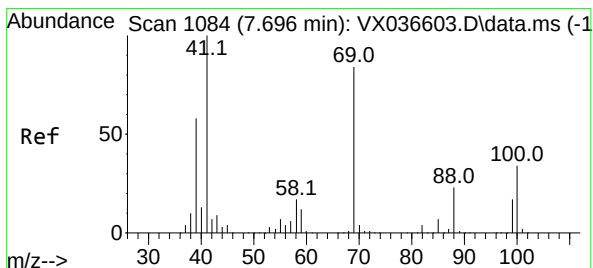
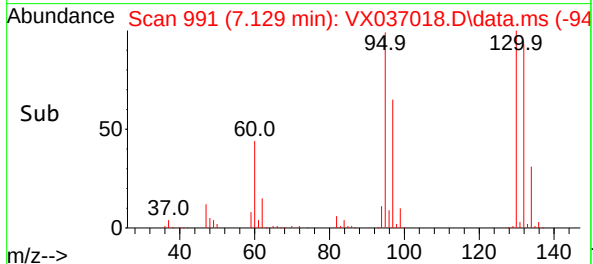
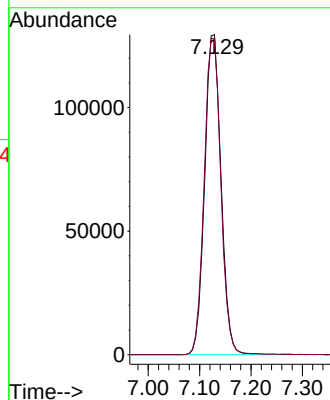
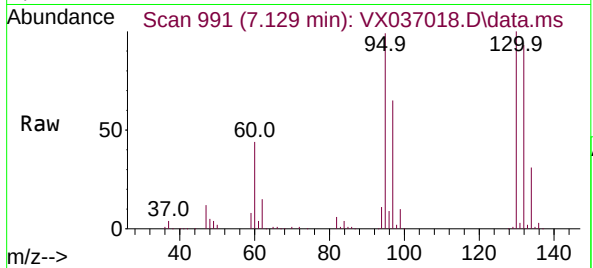




#44
Trichloroethene
Concen: 148.673 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037018.D
Acq: 16 Aug 2023 15:24

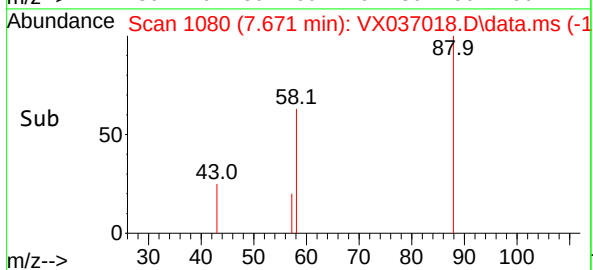
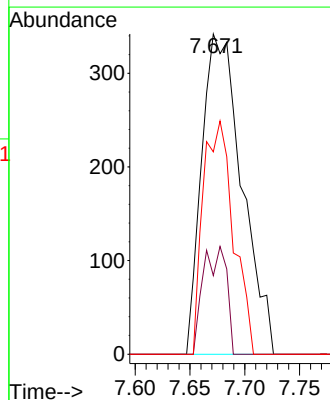
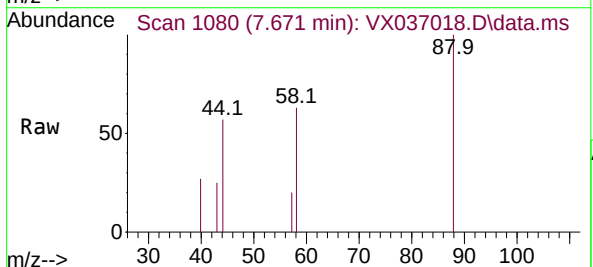
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20230815

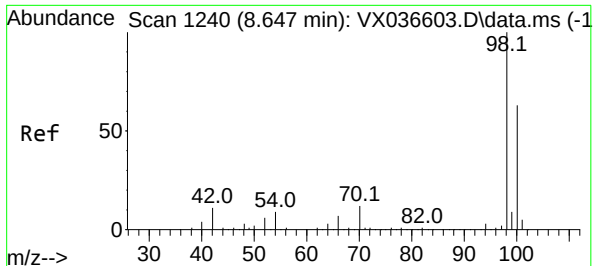
Tgt Ion:130 Resp: 286677
Ion Ratio Lower Upper
130 100
95 98.6 0.0 204.4



#49
1,4-Dioxane
Concen: 18.767 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.024 min
Lab File: VX037018.D
Acq: 16 Aug 2023 15:24

Tgt Ion: 88 Resp: 871
Ion Ratio Lower Upper
88 100
43 19.4 0.0 0.0#
58 54.9 60.1 90.1#





#50

Toluene-d8

Concen: 48.890 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX037018.D

Acq: 16 Aug 2023 15:24

Instrument :

MSVOA_X

ClientSampleId :

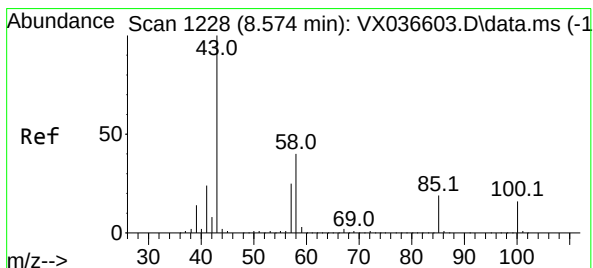
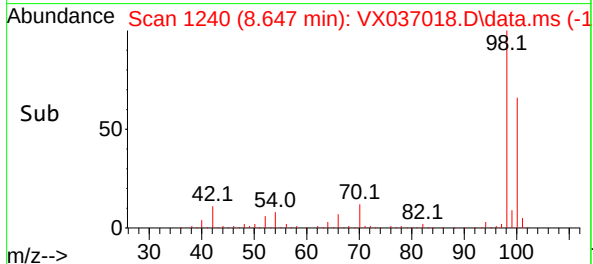
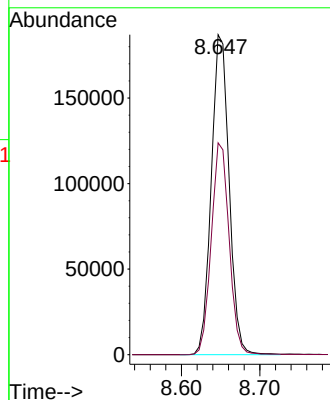
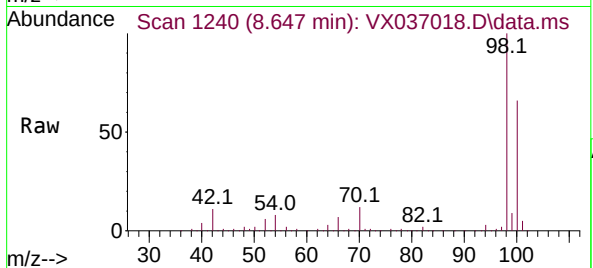
RE115D1-20230815

Tgt Ion: 98 Resp: 294927

Ion Ratio Lower Upper

98 100

100 66.6 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.432 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX037018.D

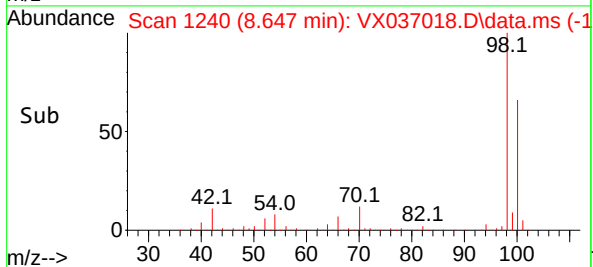
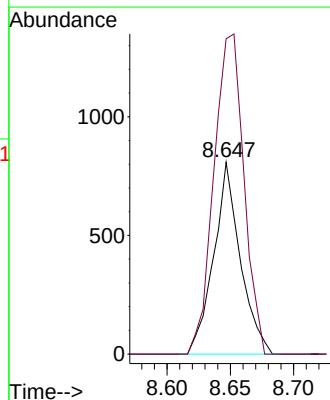
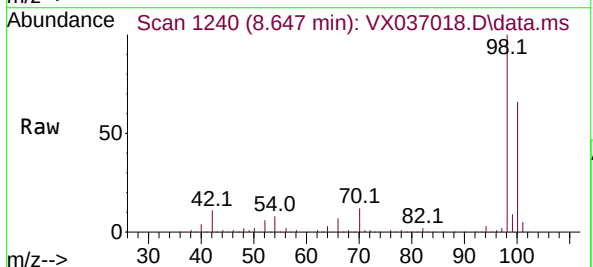
Acq: 16 Aug 2023 15:24

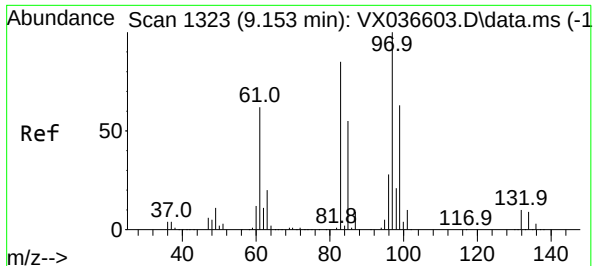
Tgt Ion: 43 Resp: 1181

Ion Ratio Lower Upper

43 100

58 188.5 30.4 45.6#

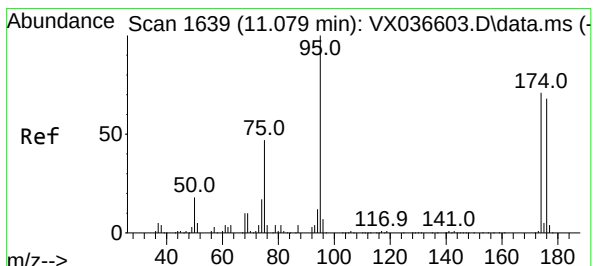
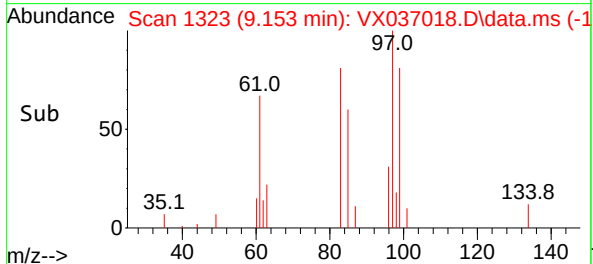
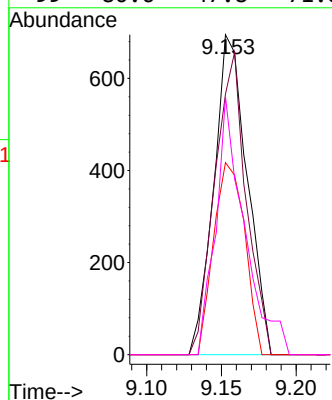
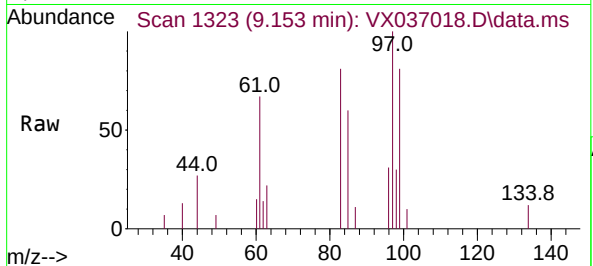




#55
1,1,2-Trichloroethane
Concen: 0.555 ug/l
RT: 9.153 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037018.D
Acq: 16 Aug 2023 15:24

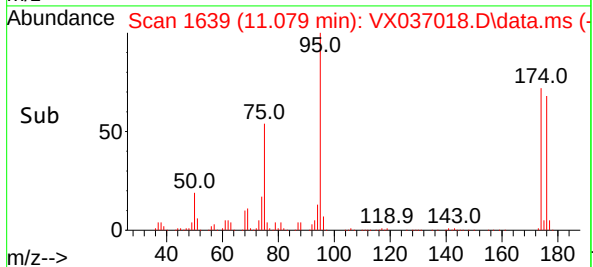
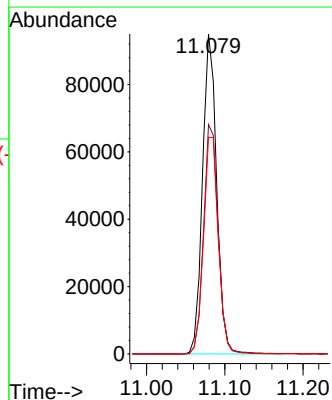
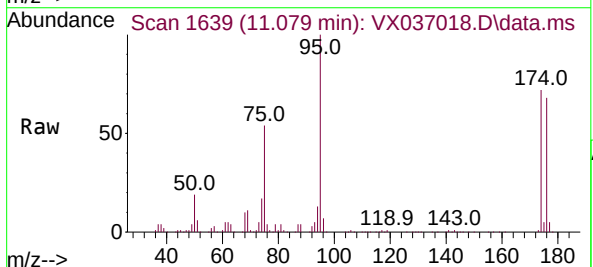
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20230815

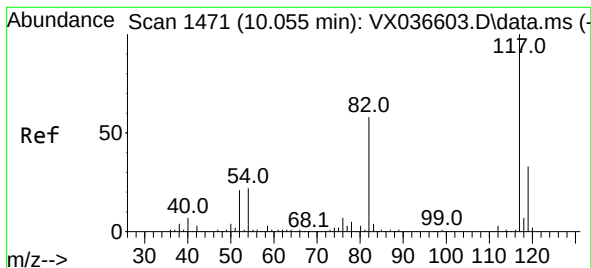
Tgt Ion:	97	Resp:	1078
Ion	Ratio	Lower	Upper
97	100		
83	81.4	65.8	98.8
85	60.0	41.6	62.4
99	80.6	47.8	71.8



#62
4-Bromofluorobenzene
Concen: 52.292 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037018.D
Acq: 16 Aug 2023 15:24

Tgt Ion:	95	Resp:	119015
Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	135.6
176	71.1	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: VX037018.D

Acq: 16 Aug 2023 15:24

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20230815

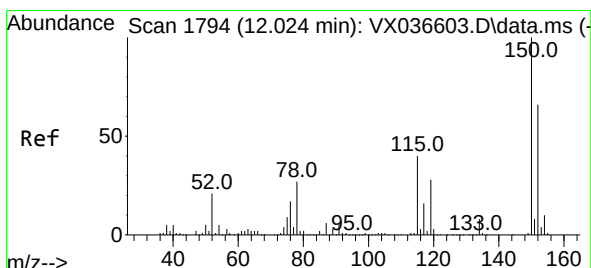
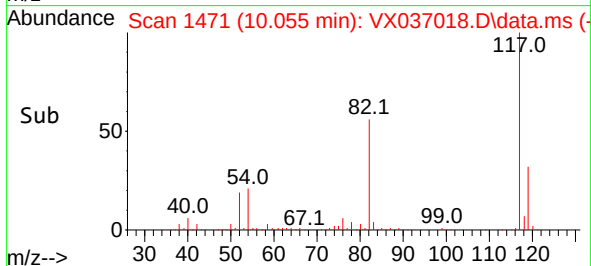
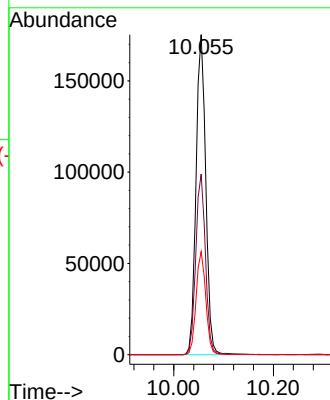
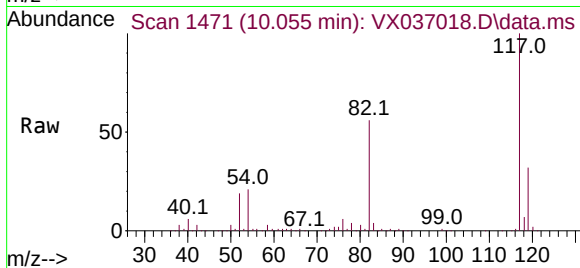
Tgt Ion:117 Resp: 237671

Ion Ratio Lower Upper

117 100

82 56.4 46.2 69.4

119 32.2 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX037018.D

Acq: 16 Aug 2023 15:24

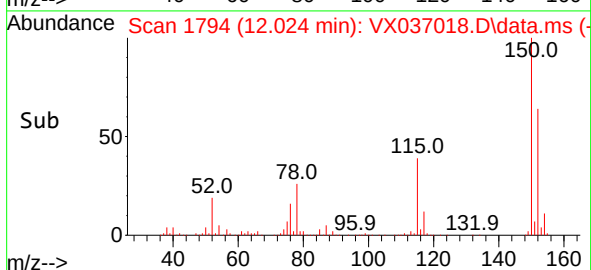
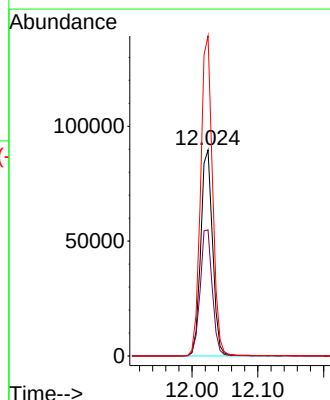
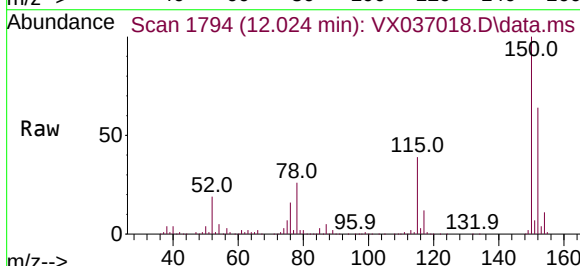
Tgt Ion:152 Resp: 112648

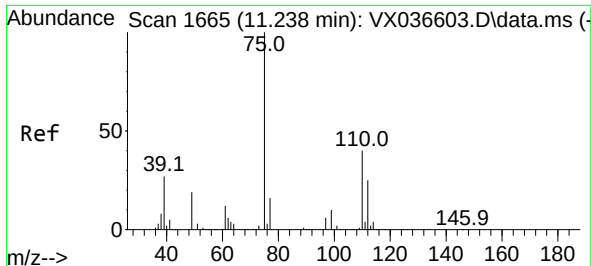
Ion Ratio Lower Upper

152 100

115 62.7 43.3 129.9

150 156.1 0.0 345.0

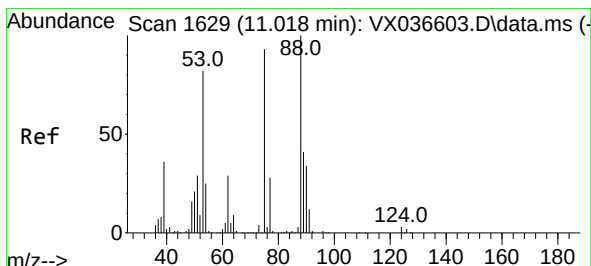
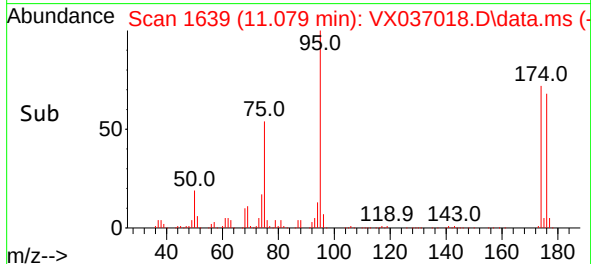
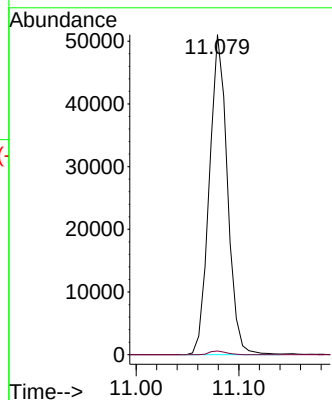
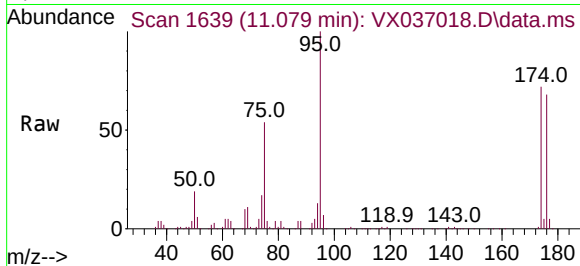




#76
1,2,3-Trichloropropane
Concen: 23.523 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037018.D
Acq: 16 Aug 2023 15:24

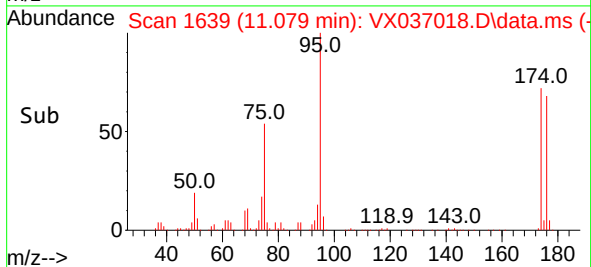
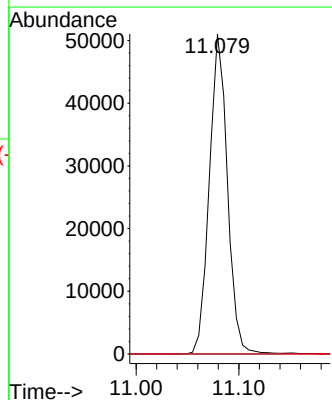
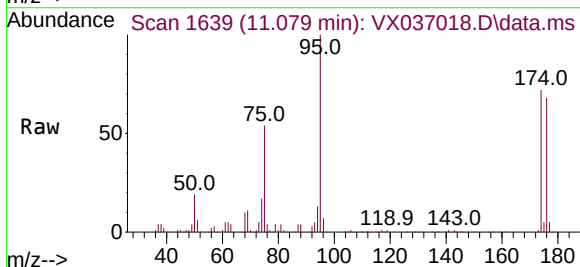
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20230815

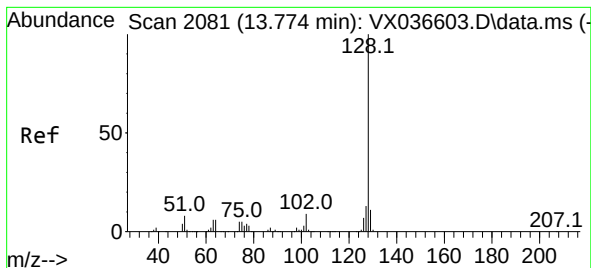
Tgt Ion: 75 Resp: 62326
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.316 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037018.D
Acq: 16 Aug 2023 15:24

Tgt Ion: 75 Resp: 62326
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 0.242 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX037018.D

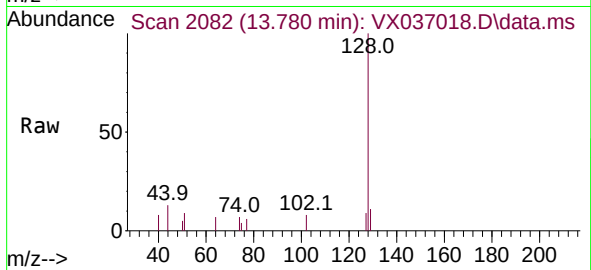
Acq: 16 Aug 2023 15:24

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20230815



Tgt Ion:128 Resp: 1971

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 8.2 8.8 13.2#

