

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082323\
 Data File : VX037189.D
 Acq On : 23 Aug 2023 17:29
 Operator : JC/MD
 Sample : 04024-15DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-20230815DL

Quant Time: Aug 24 05:35:20 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)

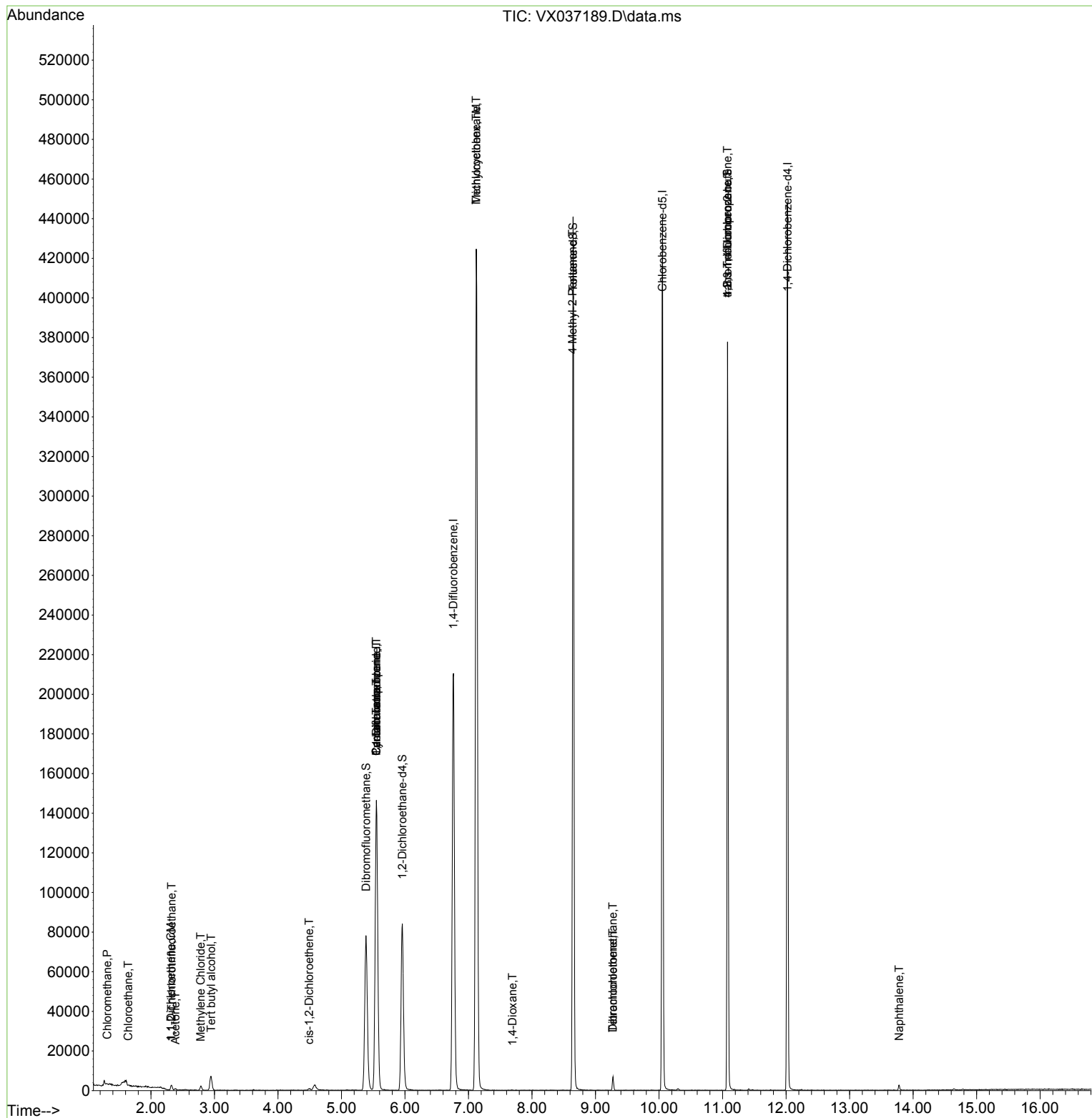
Internal Standards						
1) Pentafluorobenzene	5.550	168	135917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	224244	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84710	43.231	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.460%
35) Dibromofluoromethane	5.385	113	67641	45.546	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.100%
50) Toluene-d8	8.647	98	263063	48.832	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.660%
62) 4-Bromofluorobenzene	11.079	95	100854	47.639	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.280%
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	353	0.256	ug/l #	43
6) Chloroethane	1.642	64	199	0.225	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	789	0.549	ug/l	92
11) Tert butyl alcohol	2.947	59	4335	9.431	ug/l #	78
12) 1,1-Dichloroethene	2.313	96	362	0.259	ug/l #	64
16) Acetone	2.386	43	865	1.128	ug/l #	82
20) Methylene Chloride	2.782	84	1073	0.626	ug/l #	80
27) cis-1,2-Dichloroethene	4.489	96	529	0.282	ug/l	83
31) Cyclohexane	5.550	56	2633	1.195	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10681	5.062	ug/l #	50
38) Carbon Tetrachloride	5.550	117	14421	6.292	ug/l #	14
39) Methylcyclohexane	7.123	83	2101	0.948	ug/l #	1
44) Trichloroethene	7.123	130	167771	97.775	ug/l	96
49) 1,4-Dioxane	7.690	88	143	3.182	ug/l #	12
51) 4-Methyl-2-Pentanone	8.641	43	868	0.418	ug/l #	1
60) Dibromochloromethane	9.275	129	1293	0.746	ug/l #	11
64) Tetrachloroethene	9.275	164	1147	0.781	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	51426	25.526	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	51426	71.295	ug/l #	5
95) Naphthalene	13.780	128	2442	0.309	ug/l #	94

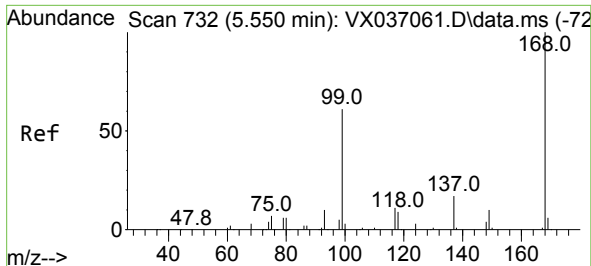
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

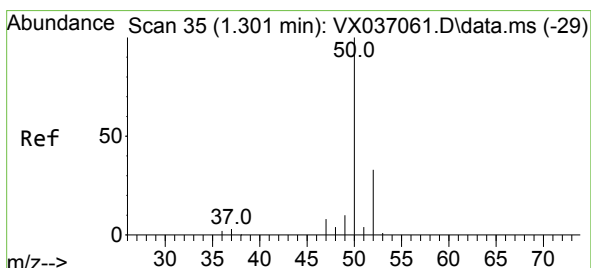
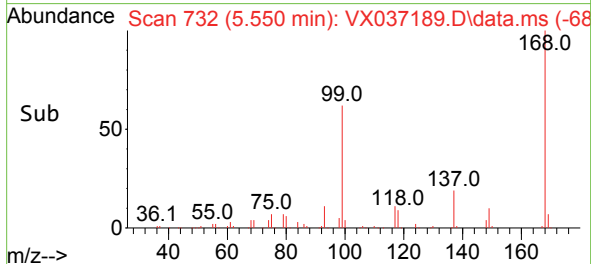
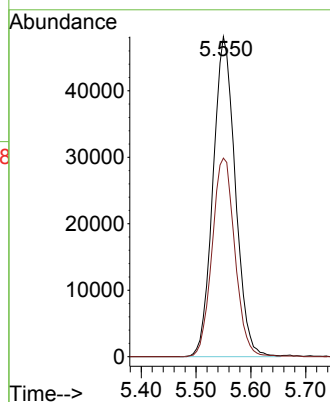
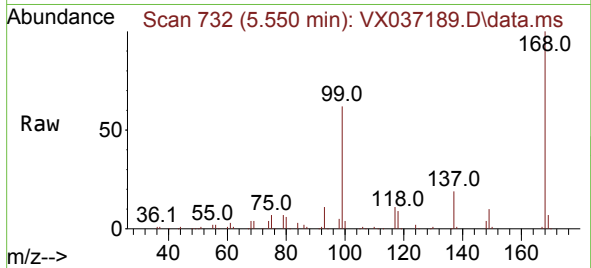




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037189.D
Acq: 23 Aug 2023 17:29

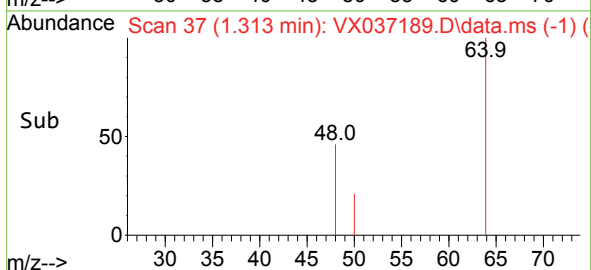
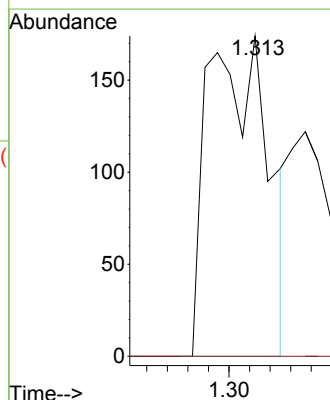
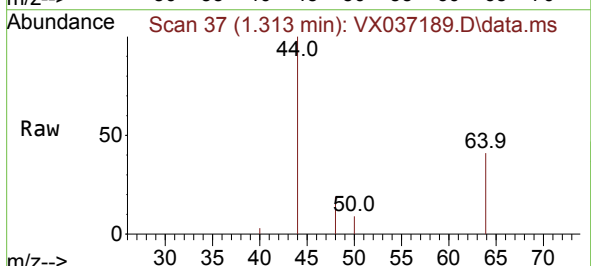
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20230815DL

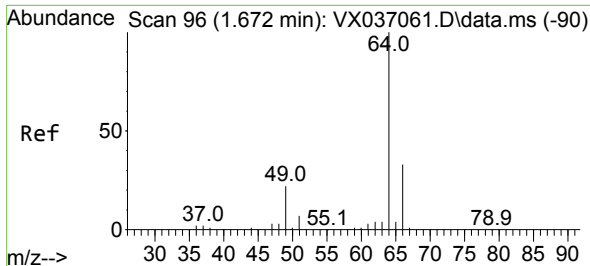
Tgt Ion:168 Resp: 135917
Ion Ratio Lower Upper
168 100
99 62.0 56.6 85.0



#3
Chloromethane
Concen: 0.256 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.012 min
Lab File: VX037189.D
Acq: 23 Aug 2023 17:29

Tgt Ion: 50 Resp: 353
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

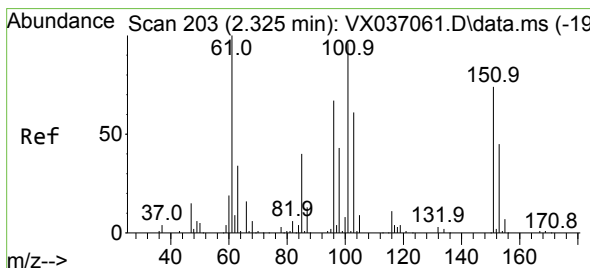
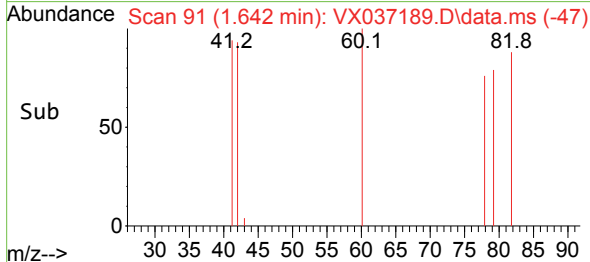
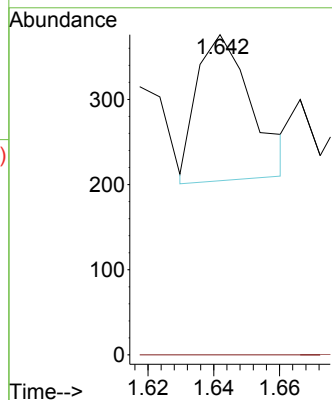
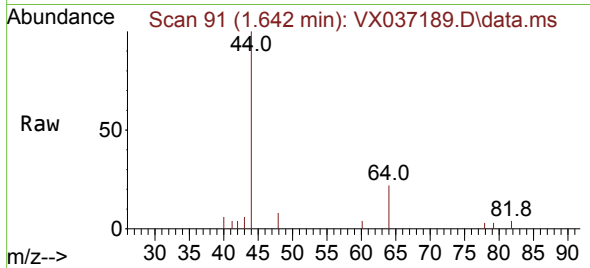




#6
Chloroethane
Concen: 0.225 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.030 min
Lab File: VX037189.D
Acq: 23 Aug 2023 17:29

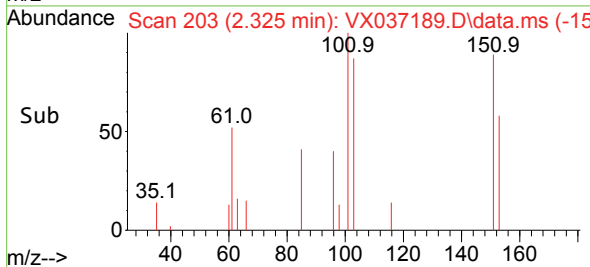
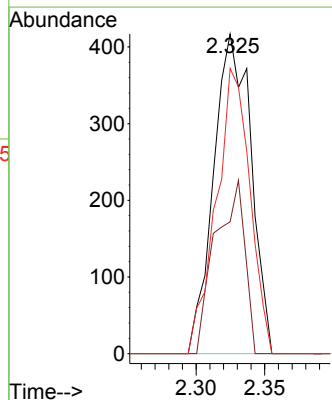
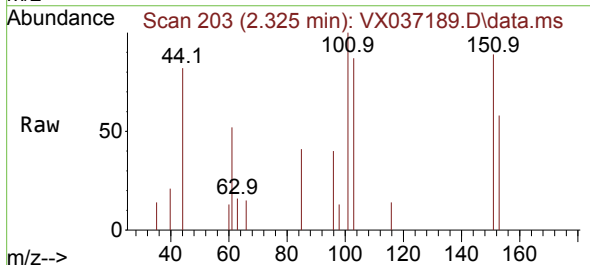
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20230815DL

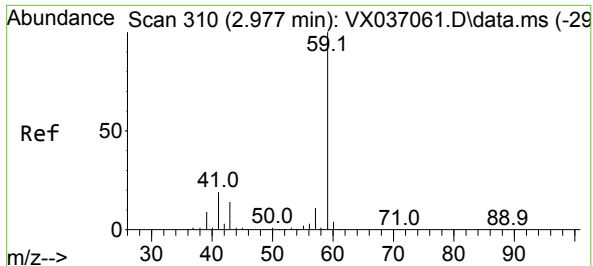
Tgt Ion: 64 Resp: 199
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.549 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX037189.D
Acq: 23 Aug 2023 17:29

Tgt Ion: 101 Resp: 789
Ion Ratio Lower Upper
101 100
85 42.5 37.0 55.6
151 80.7 58.6 87.8





#11

Tert butyl alcohol

Concen: 9.431 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.030 min

Lab File: VX037189.D

Acq: 23 Aug 2023 17:29

Instrument :

MSVOA_X

ClientSampleId :

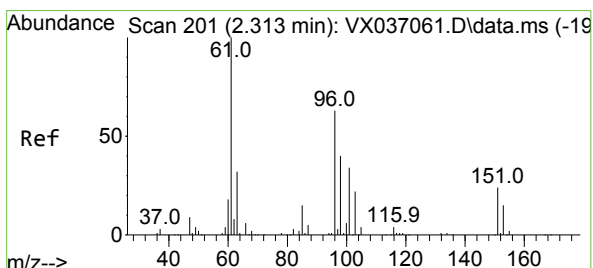
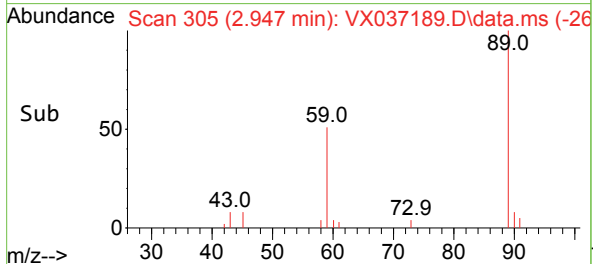
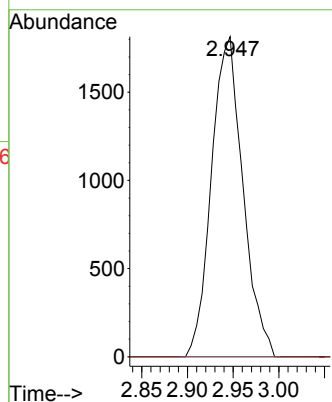
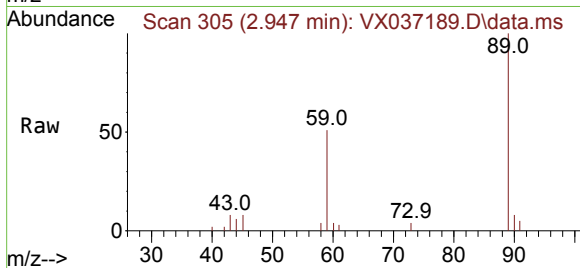
RE103D1-20230815DL

Tgt Ion: 59 Resp: 4335

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 0.259 ug/l

RT: 2.313 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX037189.D

Acq: 23 Aug 2023 17:29

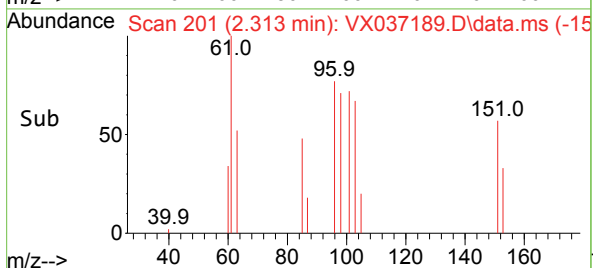
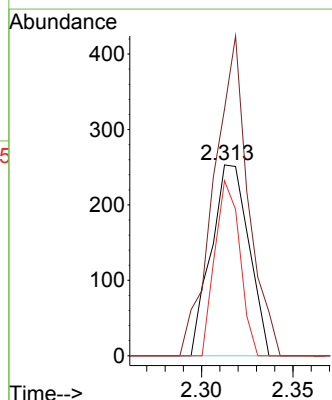
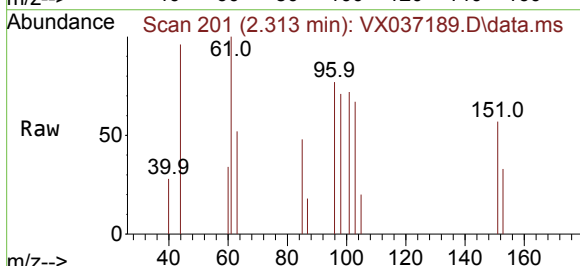
Tgt Ion: 96 Resp: 362

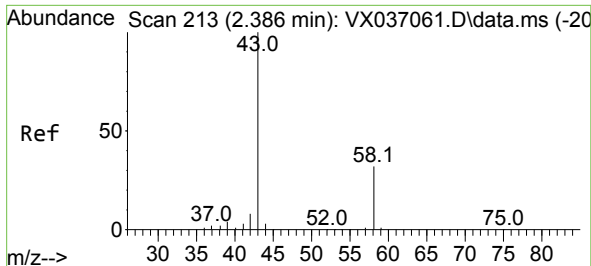
Ion Ratio Lower Upper

96 100

61 129.2 144.6 216.8#

98 91.7 50.4 75.6#





#16

Acetone

Concen: 1.128 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX037189.D

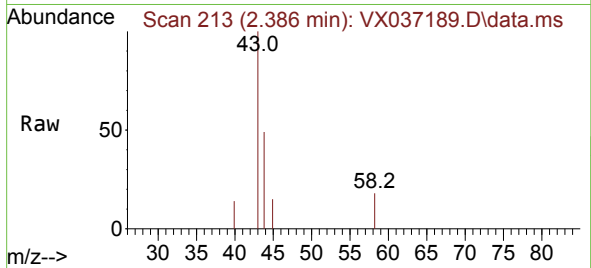
Acq: 23 Aug 2023 17:29

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20230815DL

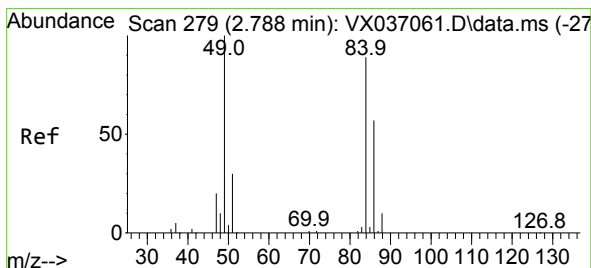
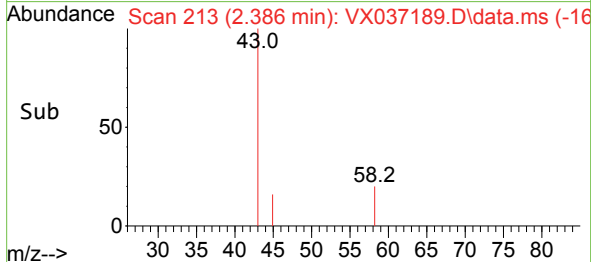
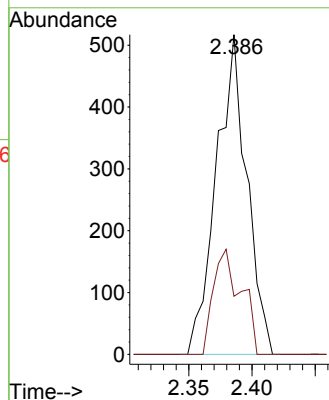


Tgt Ion: 43 Resp: 865

Ion Ratio Lower Upper

43 100

58 18.2 21.9 32.9#



#20

Methylene Chloride

Concen: 0.626 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX037189.D

Acq: 23 Aug 2023 17:29

Tgt Ion: 84 Resp: 1073

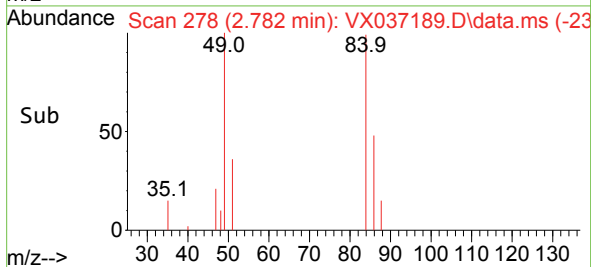
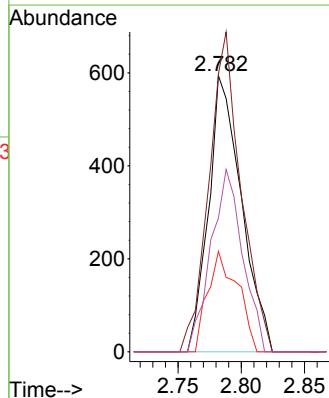
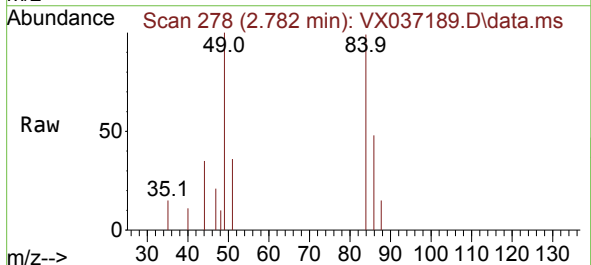
Ion Ratio Lower Upper

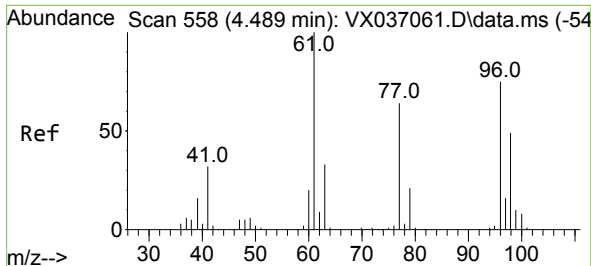
84 100

49 100.7 103.6 155.4#

51 36.4 33.8 50.6

86 48.5 49.4 74.0#





#27

cis-1,2-Dichloroethene

Concen: 0.282 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX037189.D

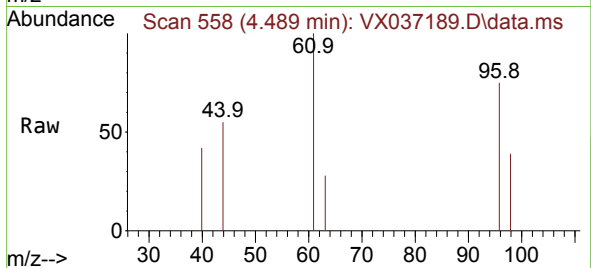
Acq: 23 Aug 2023 17:29

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20230815DL



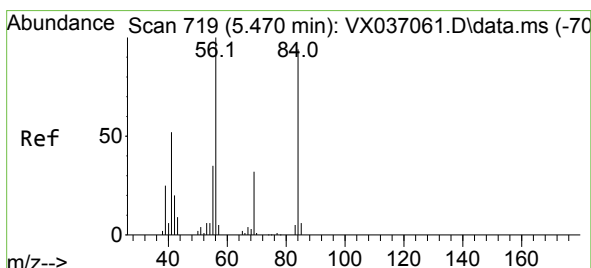
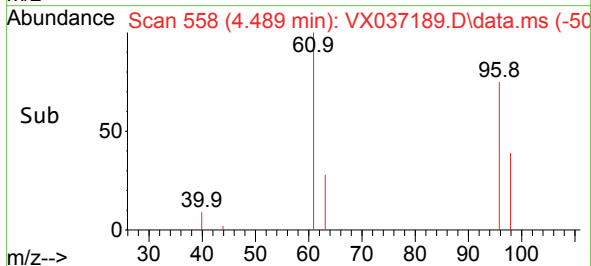
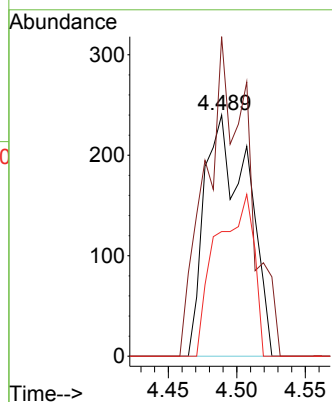
Tgt Ion: 96 Resp: 529

Ion Ratio Lower Upper

96 100

61 129.7 0.0 312.2

98 57.7 0.0 129.0



#31

Cyclohexane

Concen: 1.195 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037189.D

Acq: 23 Aug 2023 17:29

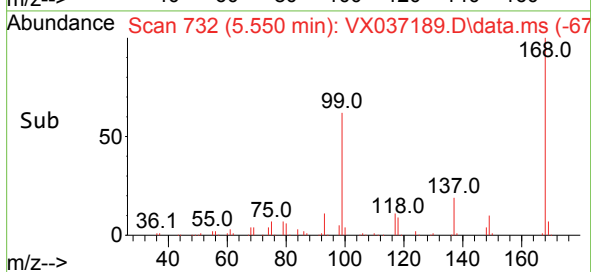
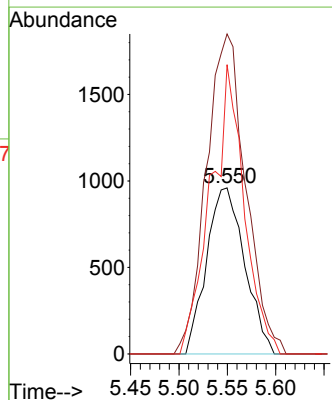
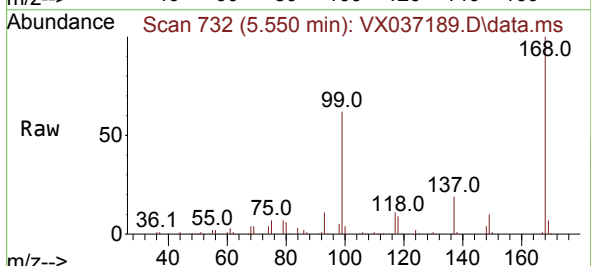
Tgt Ion: 56 Resp: 2633

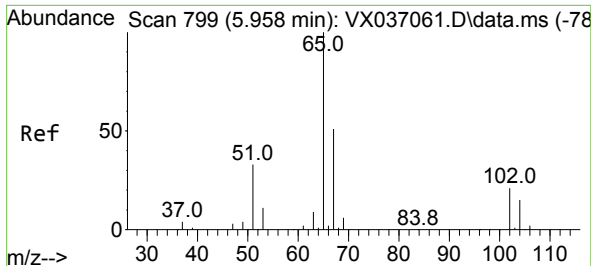
Ion Ratio Lower Upper

56 100

69 186.6 23.4 35.2#

84 174.2 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 43.231 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037189.D

Acq: 23 Aug 2023 17:29

Instrument :

MSVOA_X

ClientSampleId :

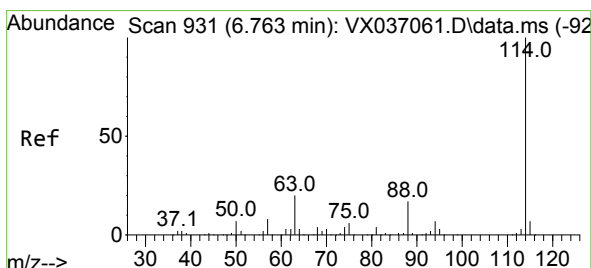
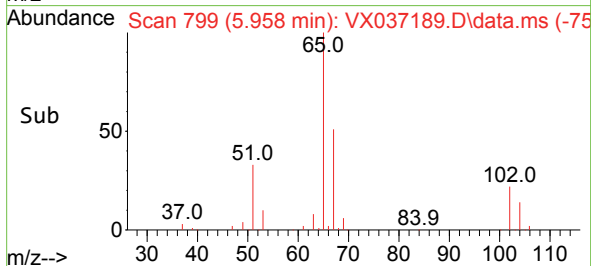
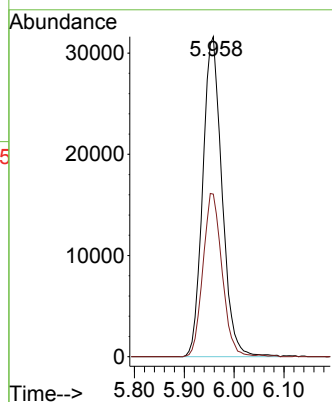
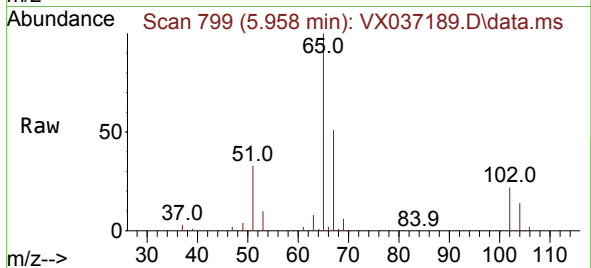
RE103D1-20230815DL

Tgt Ion: 65 Resp: 84710

Ion Ratio Lower Upper

65 100

67 50.5 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037189.D

Acq: 23 Aug 2023 17:29

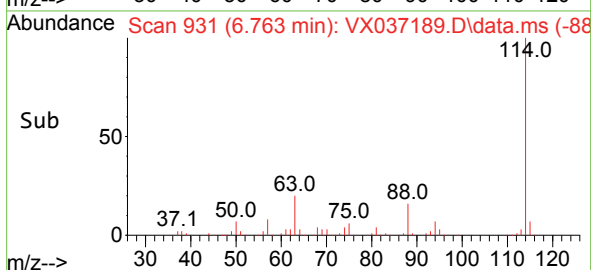
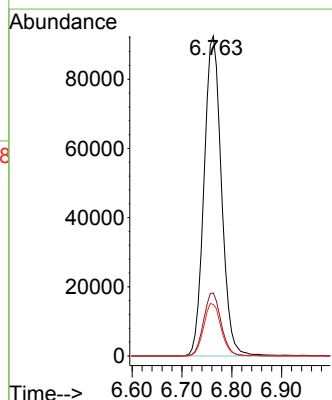
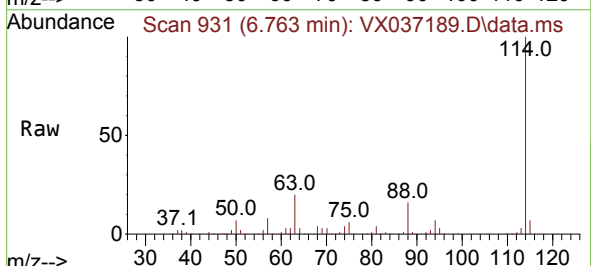
Tgt Ion: 114 Resp: 224244

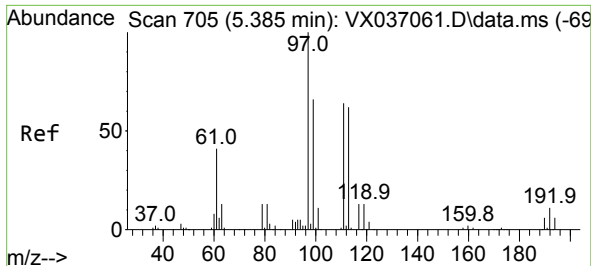
Ion Ratio Lower Upper

114 100

63 19.7 0.0 45.0

88 16.1 0.0 36.6

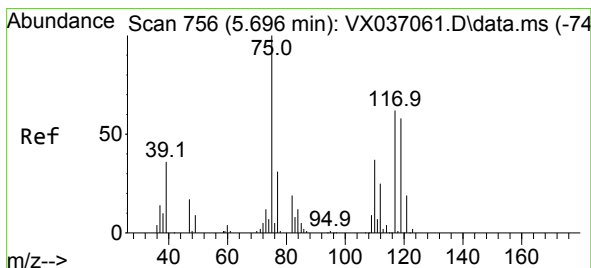
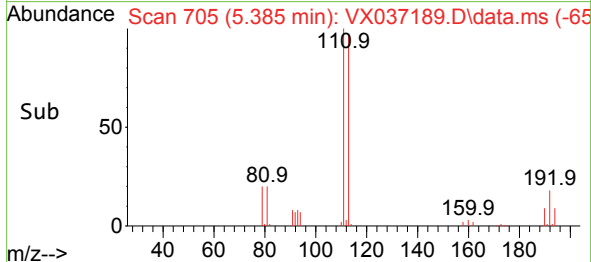
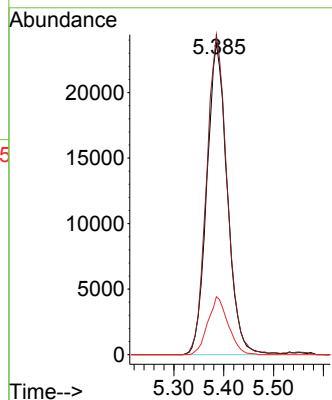
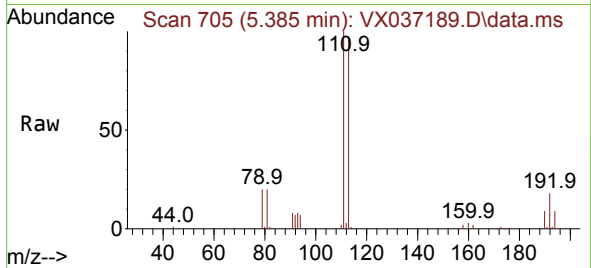




#35
Dibromofluoromethane
Concen: 45.546 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037189.D
Acq: 23 Aug 2023 17:29

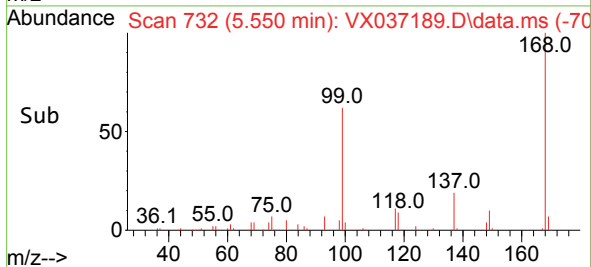
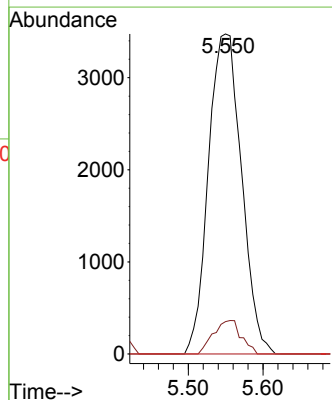
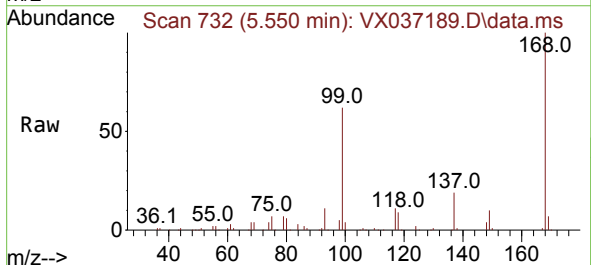
Instrument :
MSVOA_X
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RE103D1-20230815DL

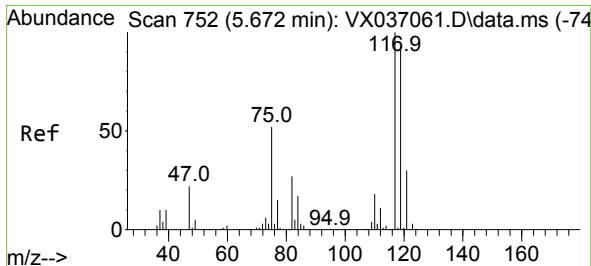
Tgt Ion:113 Resp: 67641
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 18.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.062 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037189.D
Acq: 23 Aug 2023 17:29

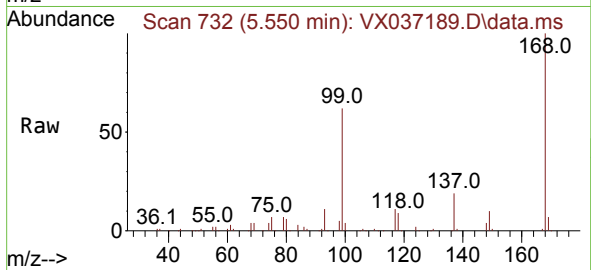
Tgt Ion: 75 Resp: 10681
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 24.7 37.1#



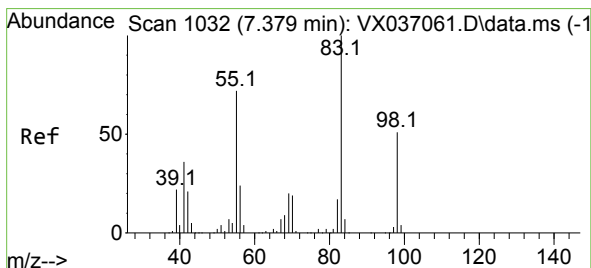
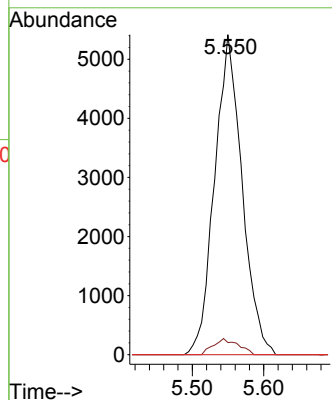
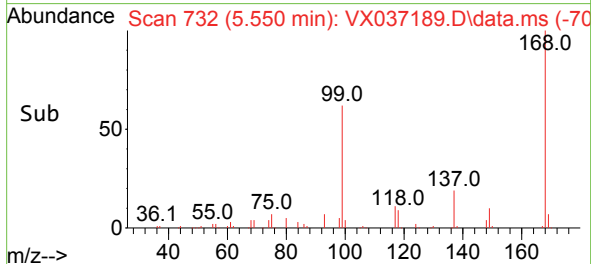


#38
Carbon Tetrachloride
Concen: 6.292 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037189.D
Acq: 23 Aug 2023 17:29

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20230815DL

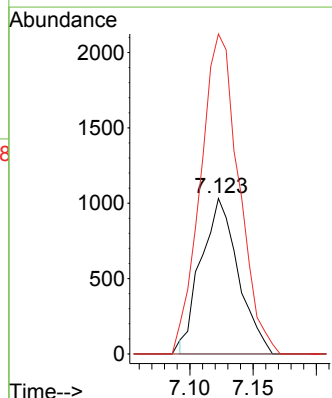
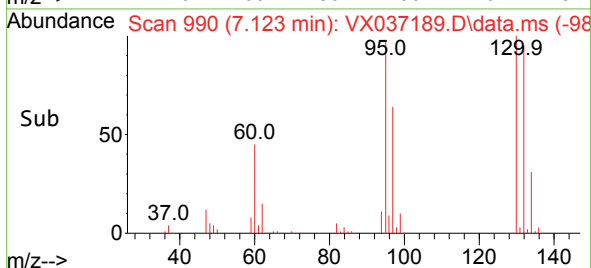
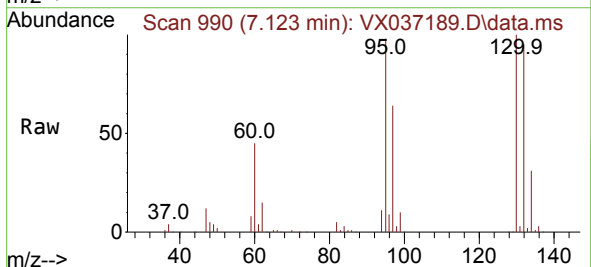


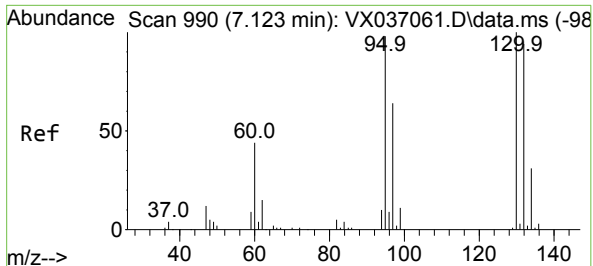
Tgt Ion:117 Resp: 14421
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.948 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037189.D
Acq: 23 Aug 2023 17:29

Tgt Ion: 83 Resp: 2101
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 205.7 36.7 55.1#

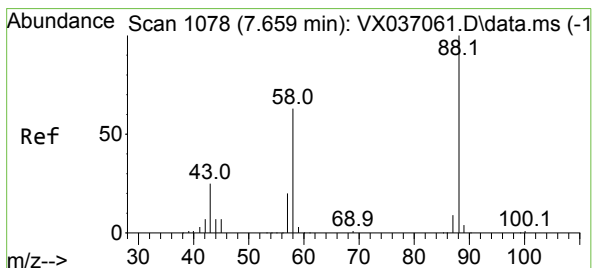
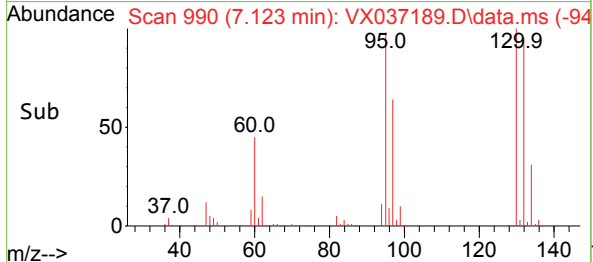
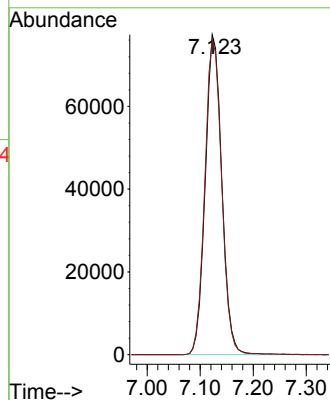
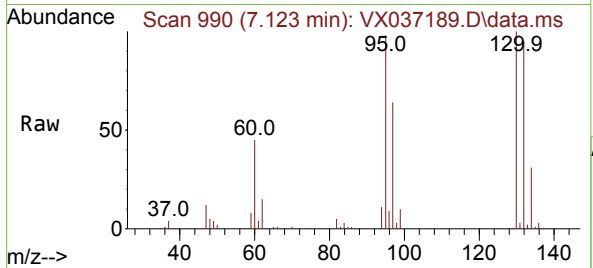




#44
Trichloroethene
Concen: 97.775 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037189.D
Acq: 23 Aug 2023 17:29

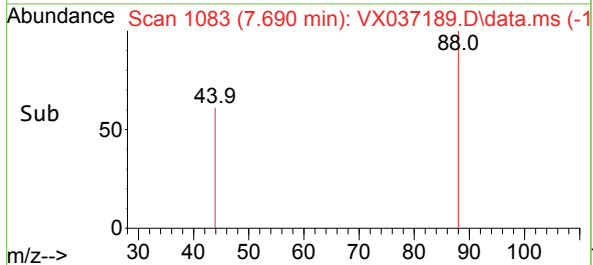
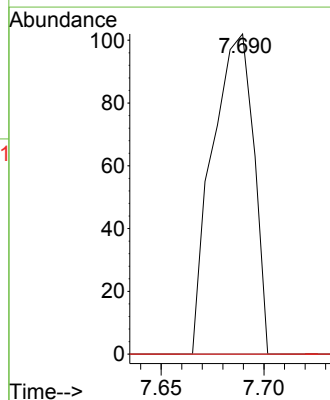
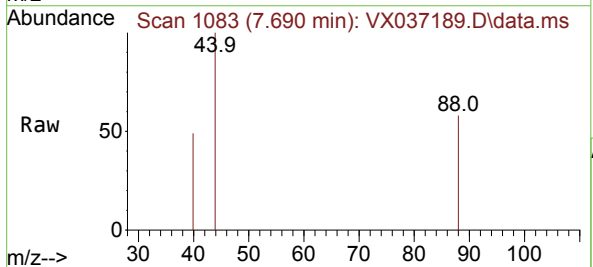
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20230815DL

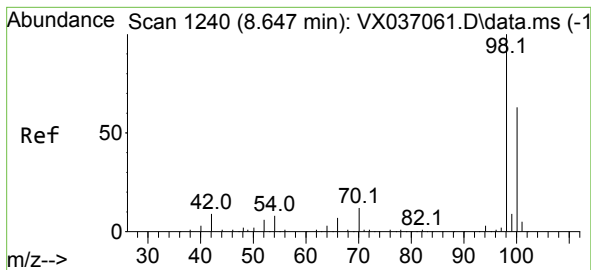
Tgt Ion:130 Resp: 167771
Ion Ratio Lower Upper
130 100
95 98.5 0.0 204.4



#49
1,4-Dioxane
Concen: 3.182 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.030 min
Lab File: VX037189.D
Acq: 23 Aug 2023 17:29

Tgt Ion: 88 Resp: 143
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#





#50

Toluene-d8

Concen: 48.832 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX037189.D

Acq: 23 Aug 2023 17:29

Instrument :

MSVOA_X

ClientSampleId :

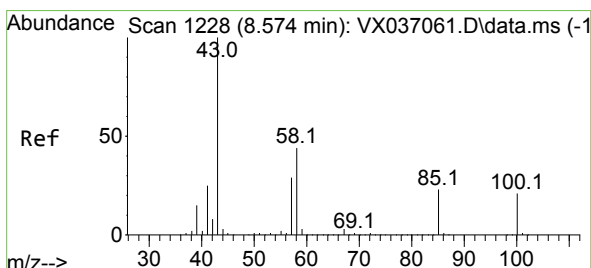
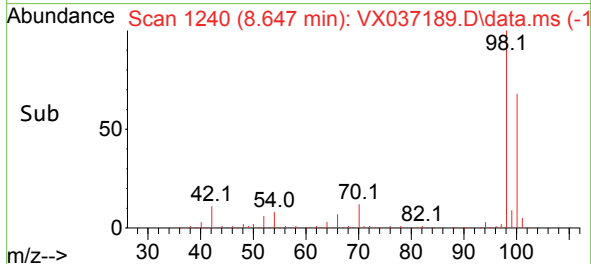
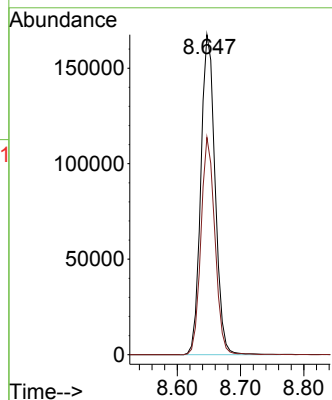
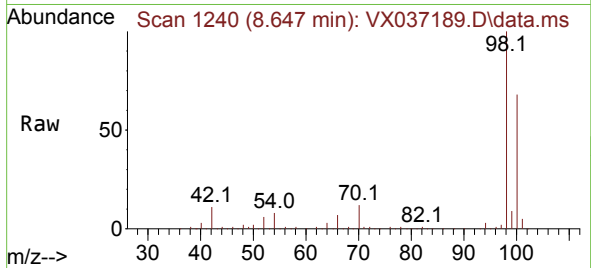
RE103D1-20230815DL

Tgt Ion: 98 Resp: 263063

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.418 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX037189.D

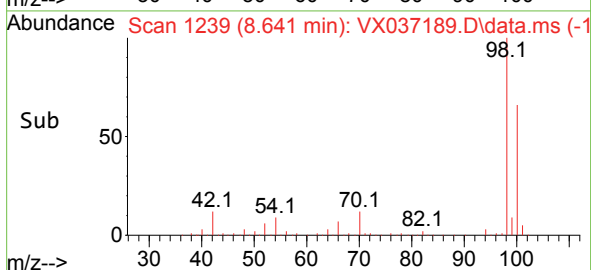
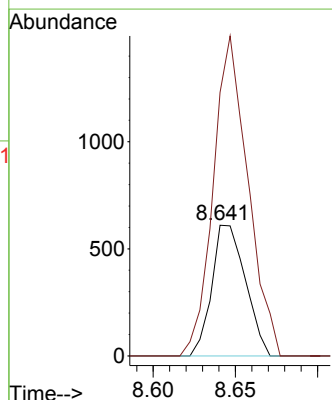
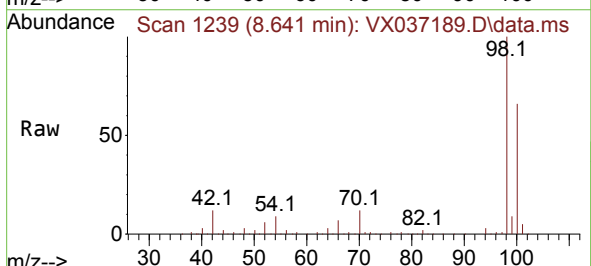
Acq: 23 Aug 2023 17:29

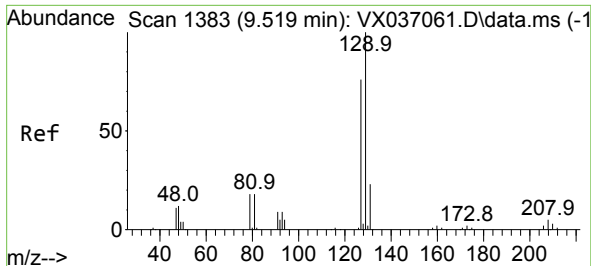
Tgt Ion: 43 Resp: 868

Ion Ratio Lower Upper

43 100

58 252.9 30.4 45.6#

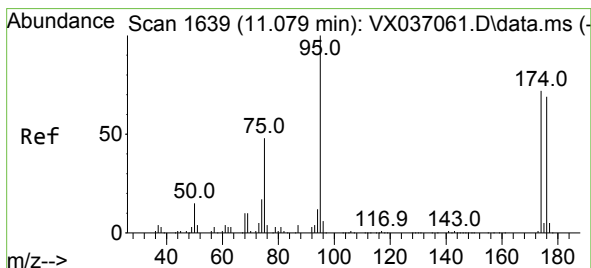
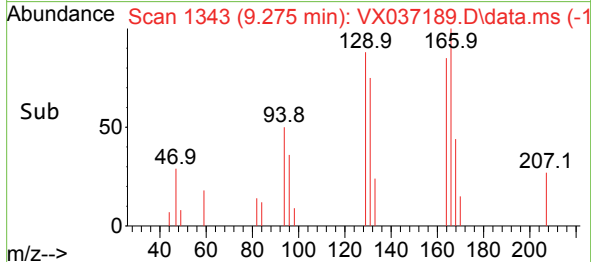
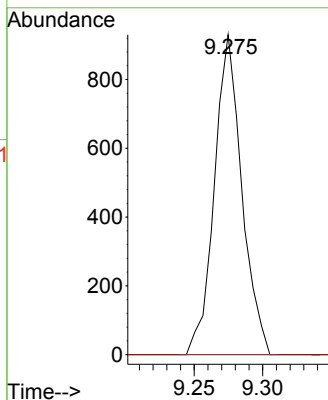
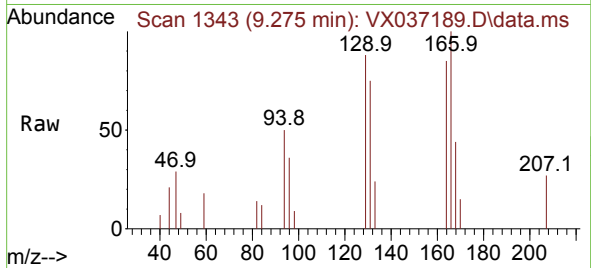




#60
Dibromochloromethane
Concen: 0.746 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037189.D
Acq: 23 Aug 2023 17:29

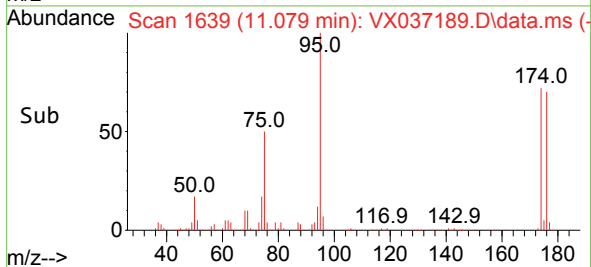
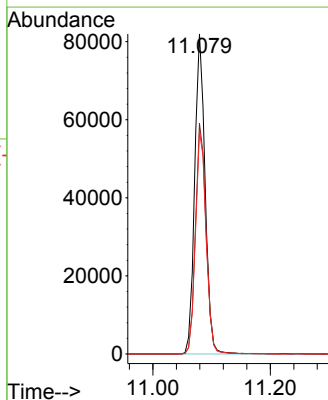
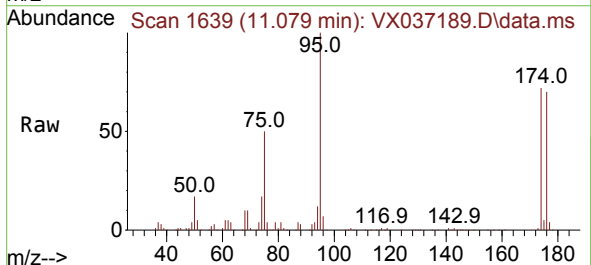
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20230815DL

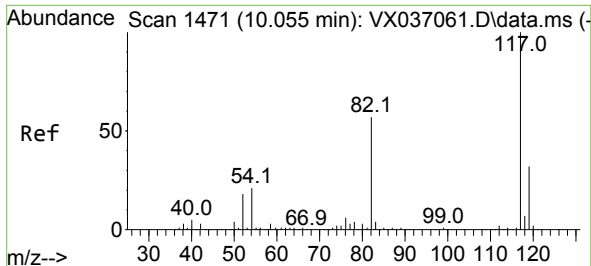
Tgt Ion:129 Resp: 1293
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 47.639 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037189.D
Acq: 23 Aug 2023 17:29

Tgt Ion: 95 Resp: 100854
Ion Ratio Lower Upper
95 100
174 73.7 0.0 135.6
176 71.0 0.0 131.0

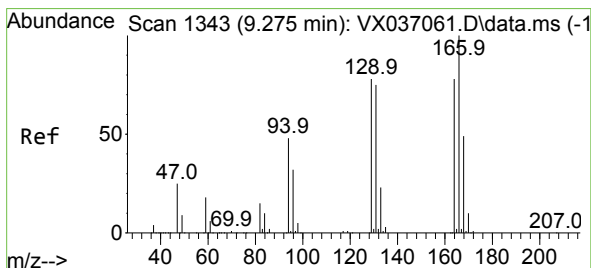
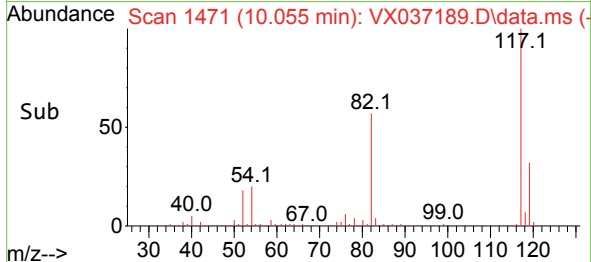
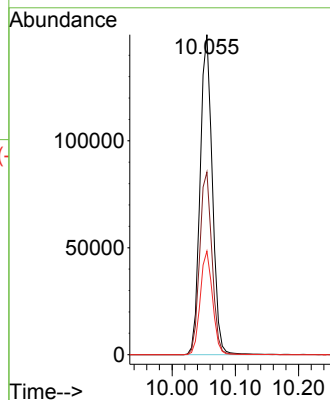
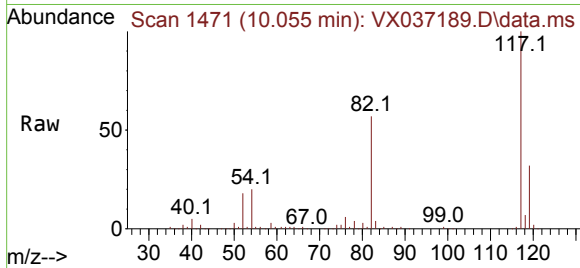




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037189.D
Acq: 23 Aug 2023 17:29

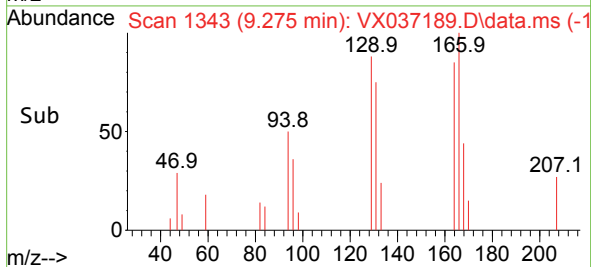
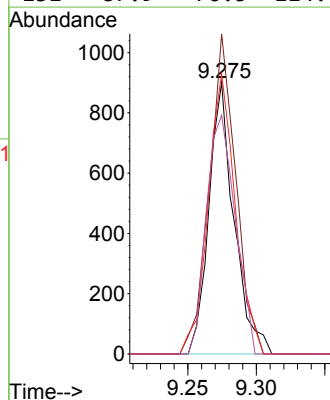
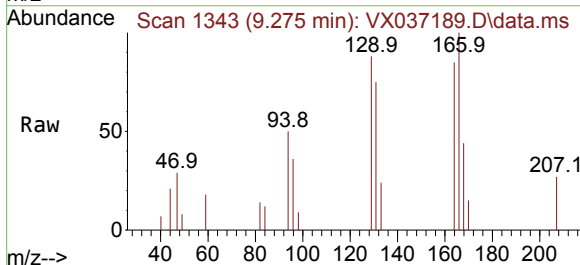
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20230815DL

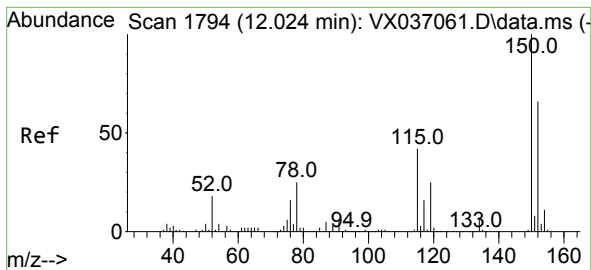
Tgt Ion:	117	Resp:	201414
Ion	Ratio	Lower	Upper
117	100		
82	57.1	46.2	69.4
119	32.3	25.5	38.3



#64
Tetrachloroethene
Concen: 0.781 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX037189.D
Acq: 23 Aug 2023 17:29

Tgt Ion:	164	Resp:	1147
Ion	Ratio	Lower	Upper
164	100		
166	117.9	102.7	154.1
129	103.2	80.4	120.6
131	87.9	76.5	114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037189.D

Acq: 23 Aug 2023 17:29

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20230815DL

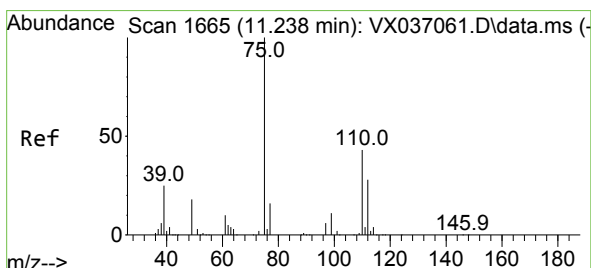
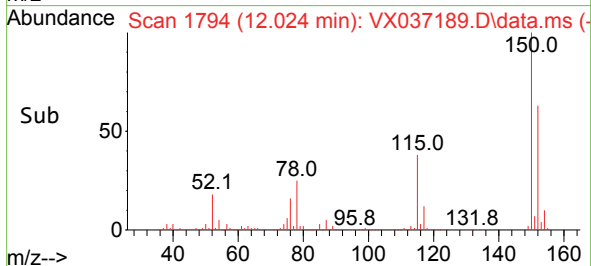
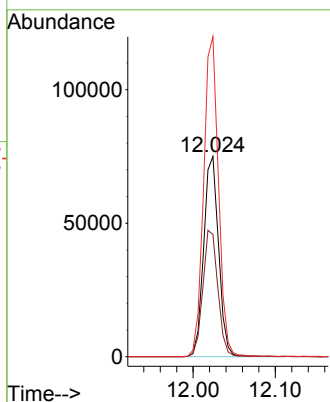
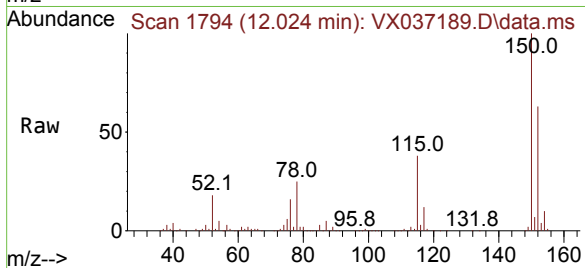
Tgt Ion:152 Resp: 94600

Ion Ratio Lower Upper

152 100

115 63.8 43.3 129.9

150 159.2 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.526 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037189.D

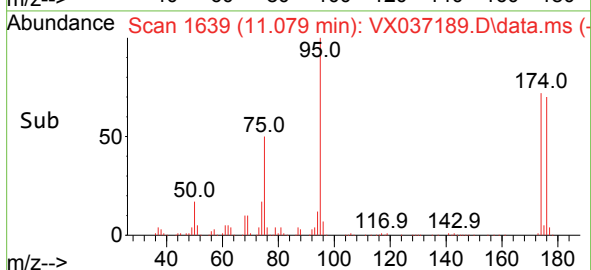
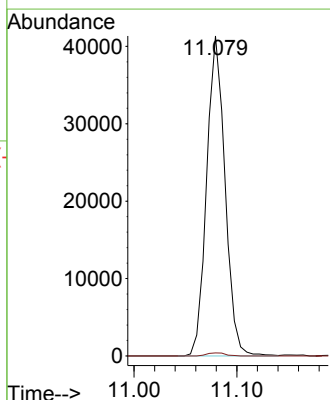
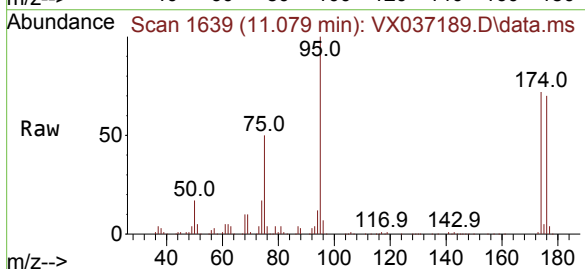
Acq: 23 Aug 2023 17:29

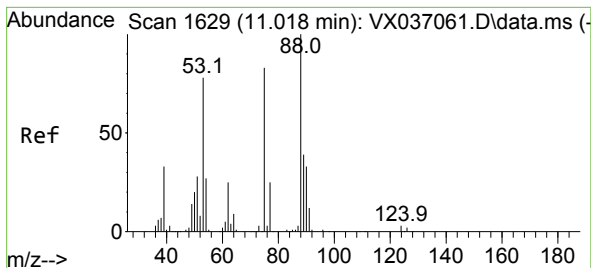
Tgt Ion: 75 Resp: 51426

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#

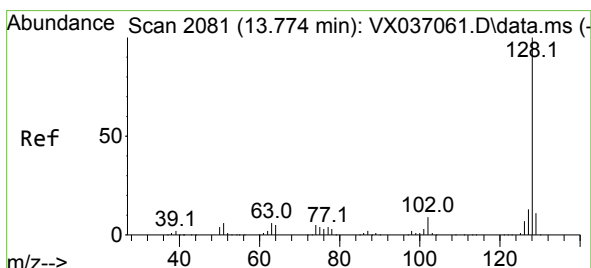
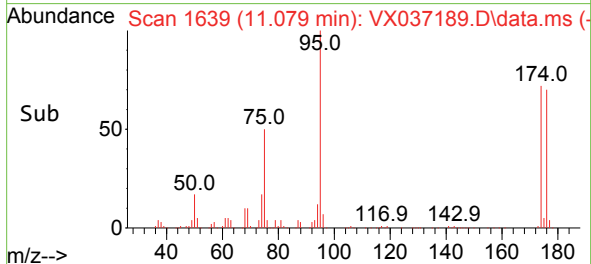
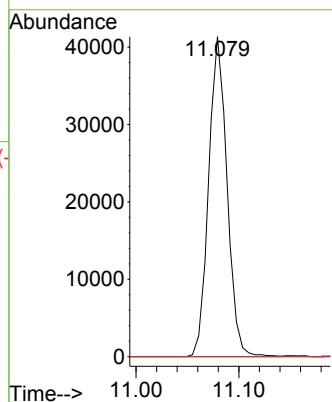
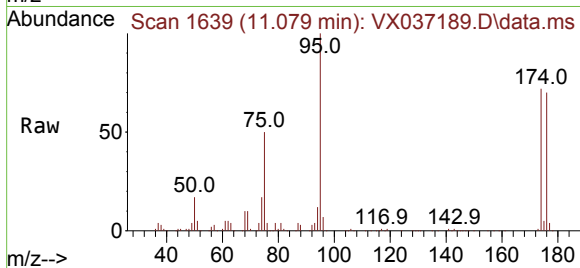




#81
trans-1,4-Dichloro-2-butene
Concen: 71.295 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037189.D
Acq: 23 Aug 2023 17:29

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20230815DL

Tgt Ion: 75 Resp: 51426
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.309 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX037189.D
Acq: 23 Aug 2023 17:29

Tgt Ion:128 Resp: 2442
Ion Ratio Lower Upper
128 100
127 10.7 10.3 15.5
129 8.4 8.8 13.2#

