

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049482.D
 Acq On : 29 Jun 2022 01:00
 Operator : SY/MD
 Sample : N3457-11 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE103D1-20220620DL

Quant Time: Jun 29 05:24:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

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

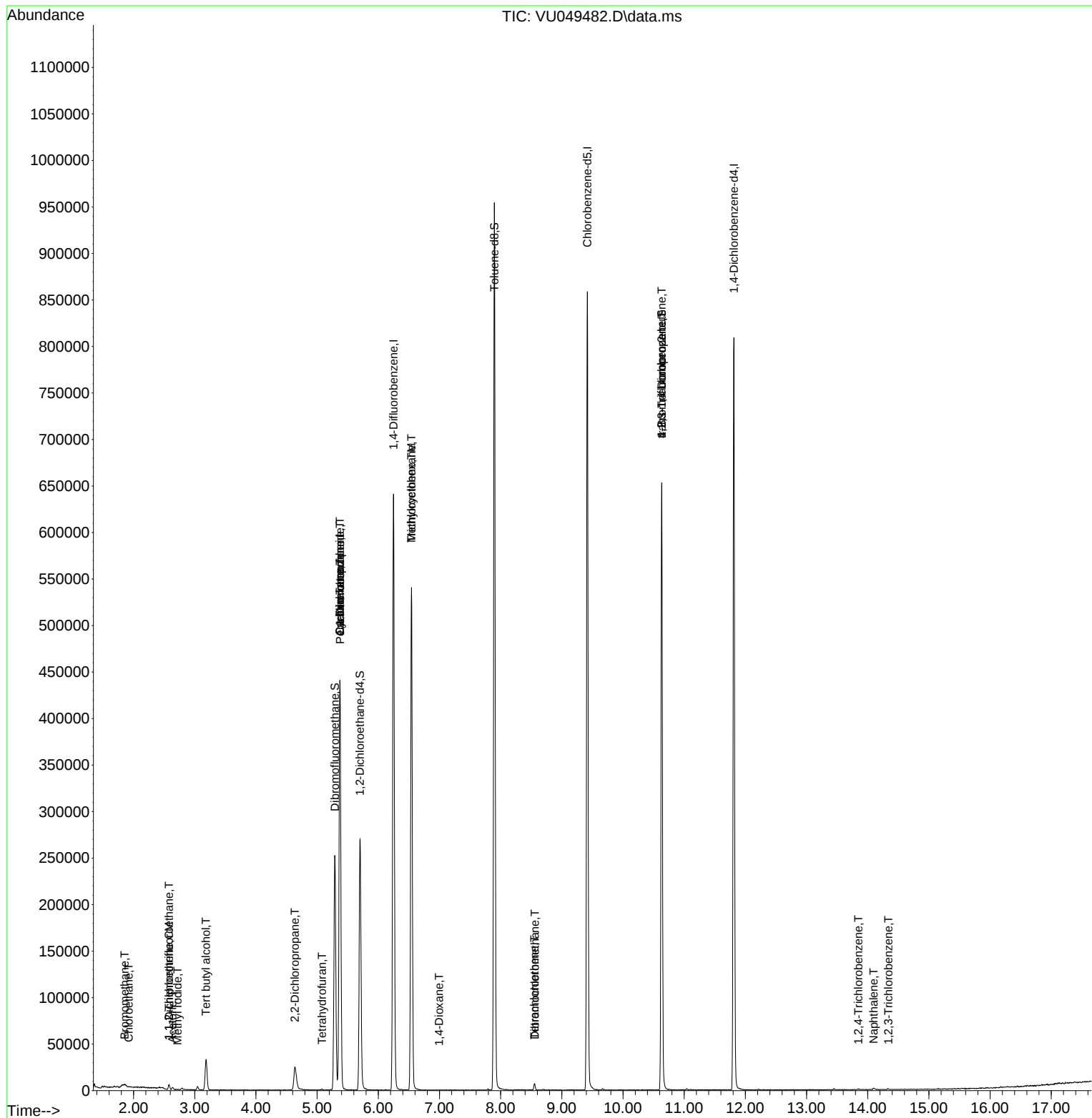
Internal Standards						
1) Pentafluorobenzene	5.375	168	304756	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	532754	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	471280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	214145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	206821	44.066	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.140%
35) Dibromofluoromethane	5.288	113	166044	44.548	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.100%
50) Toluene-d8	7.896	98	629499	47.351	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.700%
62) 4-Bromofluorobenzene	10.632	95	227305	44.635	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.260%
Target Compounds						
						Qvalue
3) Chloromethane	1.520	50	1638	Below Cal		93
5) Bromomethane	1.855	94	381	0.249	ug/l	83
6) Chloroethane	1.919	64	87	1.952	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.578	101	1734	0.513	ug/l	92
10) Methyl Iodide	2.719	142	183	7.560	ug/l #	43
11) Tert butyl alcohol	3.182	59	20669	18.815	ug/l #	38
12) 1,1-Dichloroethene	2.578	96	721	0.218	ug/l #	74
16) Acetone	2.636	43	2532	1.070	ug/l #	79
20) Methylene Chloride	3.041	84	1688	Below Cal		97
26) 2,2-Dichloropropane	4.636	77	1869	0.306	ug/l #	52
29) Tetrahydrofuran	5.080	42	628	0.258	ug/l #	50
31) Cyclohexane	5.372	56	6571	0.932	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	24988	4.624	ug/l #	48
38) Carbon Tetrachloride	5.372	117	30957	5.462	ug/l #	15
39) Methylcyclohexane	6.542	83	2321	0.358	ug/l #	1
44) Trichloroethene	6.542	130	182019	46.925	ug/l	88
49) 1,4-Dioxane	6.993	88	78	0.600	ug/l #	58
60) Dibromochloromethane	8.558	129	1566	0.376	ug/l #	11
64) Tetrachloroethene	8.552	164	1476	0.488	ug/l #	87
76) 1,2,3-Trichloropropane	10.632	75	115061	15.850	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	115061	58.533	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.848	180	303	1.815	ug/l	61
95) Naphthalene	14.098	128	2517	1.881	ug/l #	88
96) 1,2,3-Trichlorobenzene	14.340	180	418	1.260	ug/l	84

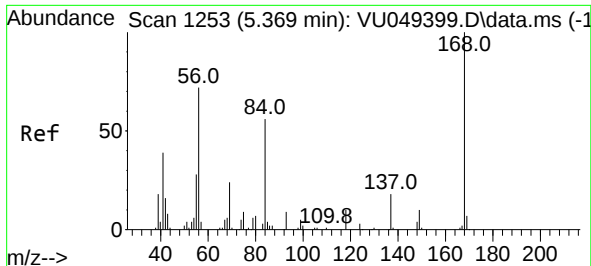
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
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Instrument :
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Quant Title : SW846 8260
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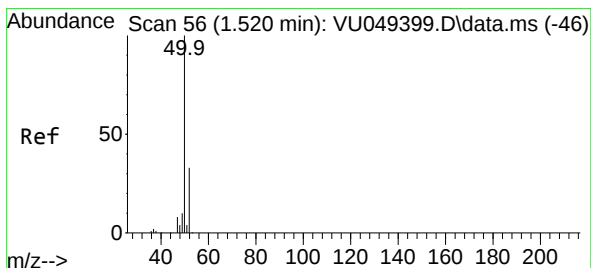
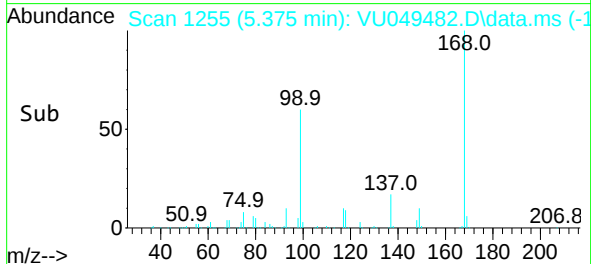
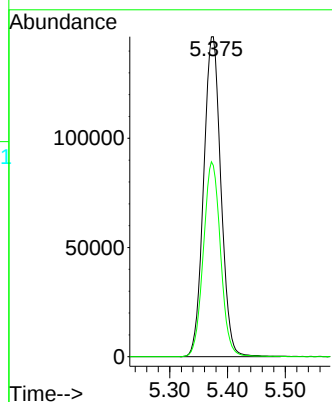
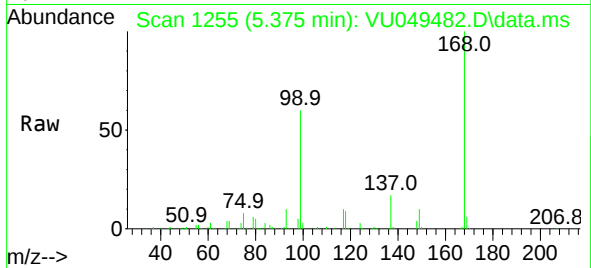




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU049482.D
Acq: 29 Jun 2022 01:00

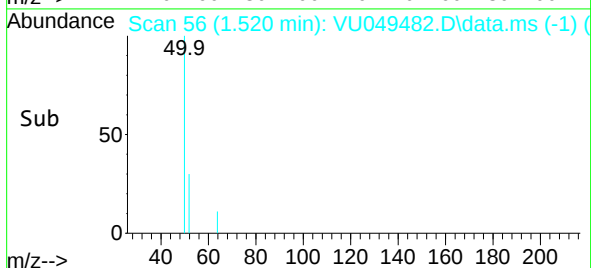
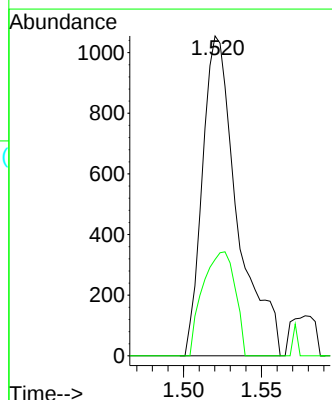
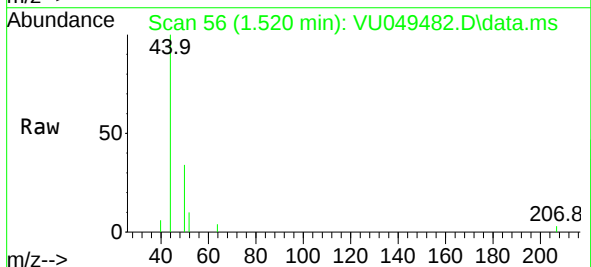
Instrument :
MSVOA_U
ClientSampleId :
RE103D1-20220620DL

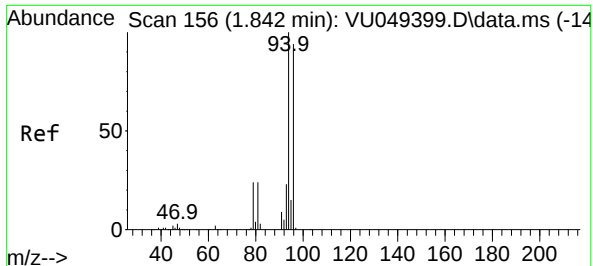
Tgt Ion:168 Resp: 304756
Ion Ratio Lower Upper
168 100
99 59.8 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049482.D
Acq: 29 Jun 2022 01:00

Tgt Ion: 50 Resp: 1638
Ion Ratio Lower Upper
50 100
52 30.1 27.4 41.2

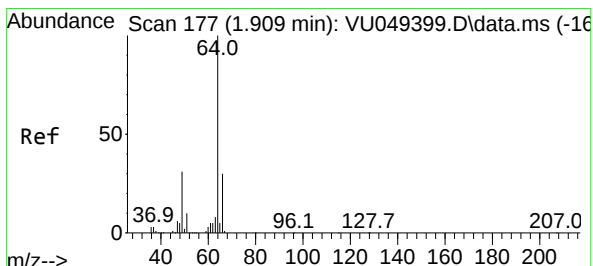
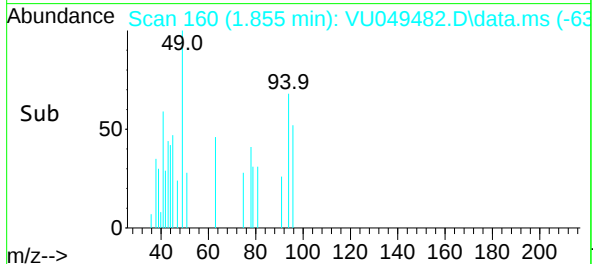
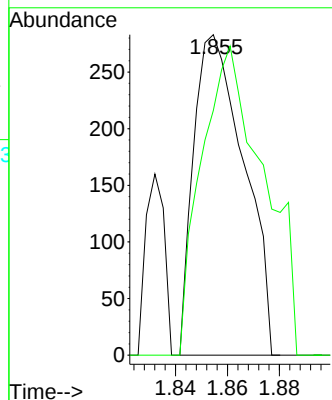
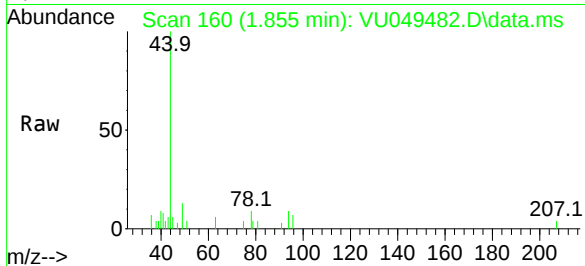




#5
Bromomethane
Concen: 0.249 ug/l
RT: 1.855 min Scan# 1
Delta R.T. 0.013 min
Lab File: VU049482.D
Acq: 29 Jun 2022 01:00

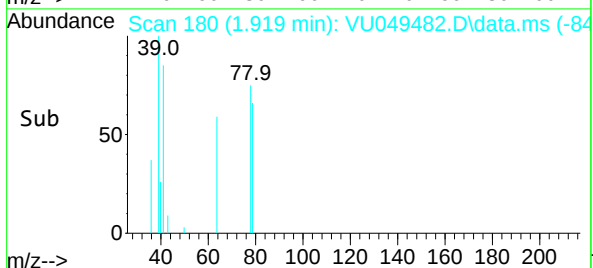
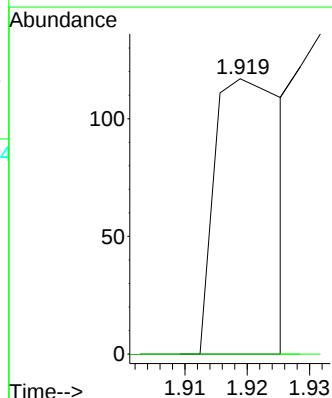
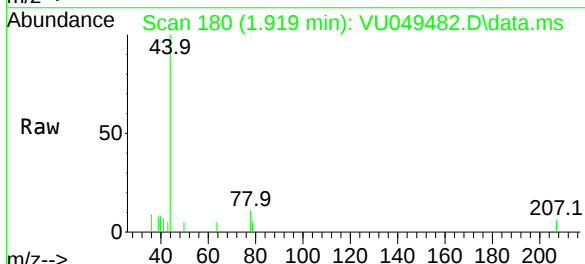
Instrument :
MSVOA_U
ClientSampleId :
RE103D1-20220620DL

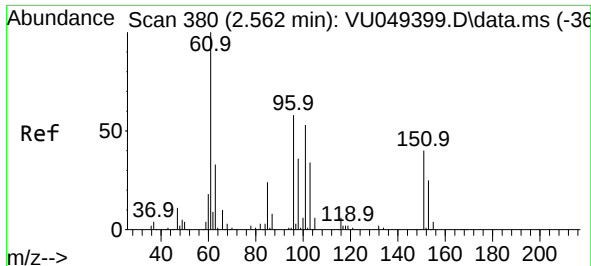
Tgt Ion: 94 Resp: 381
Ion Ratio Lower Upper
94 100
96 76.3 73.7 110.5



#6
Chloroethane
Concen: 1.952 ug/l
RT: 1.919 min Scan# 180
Delta R.T. 0.010 min
Lab File: VU049482.D
Acq: 29 Jun 2022 01:00

Tgt Ion: 64 Resp: 87
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

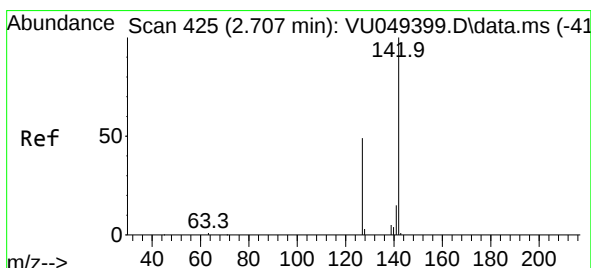
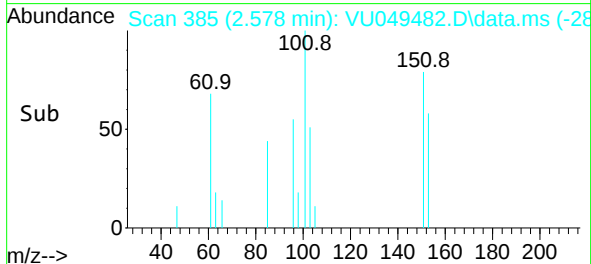
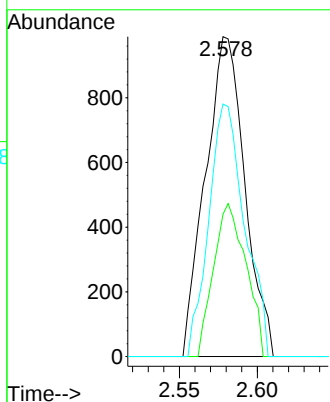
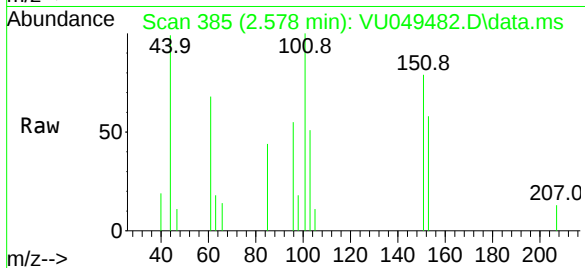




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.513 ug/l
RT: 2.578 min Scan# 31
Delta R.T. 0.016 min
Lab File: VU049482.D
Acq: 29 Jun 2022 01:00

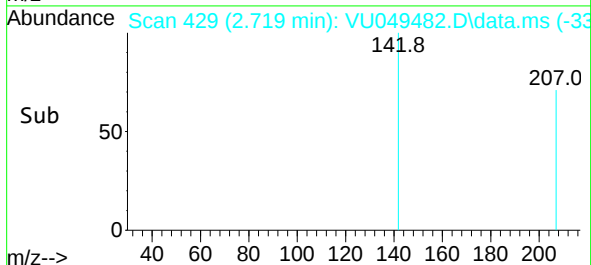
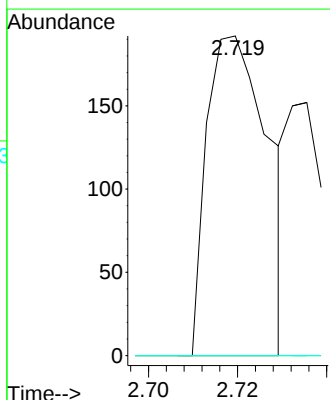
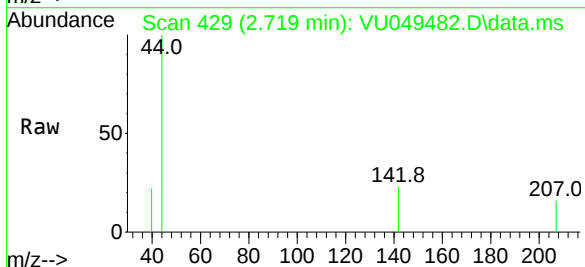
Instrument :
MSVOA_U
ClientSampleId :
RE103D1-20220620DL

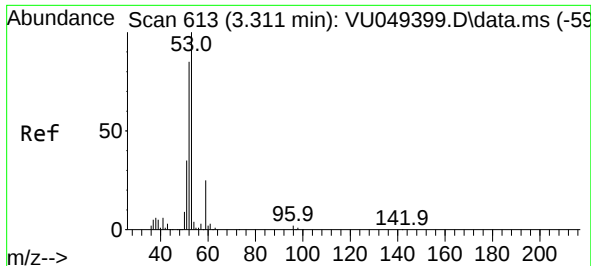
Tgt Ion:101 Resp: 1734
Ion Ratio Lower Upper
101 100
85 39.3 33.9 50.9
151 72.1 64.0 96.0



#10
Methyl Iodide
Concen: 7.560 ug/l
RT: 2.719 min Scan# 429
Delta R.T. 0.013 min
Lab File: VU049482.D
Acq: 29 Jun 2022 01:00

Tgt Ion:142 Resp: 183
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#

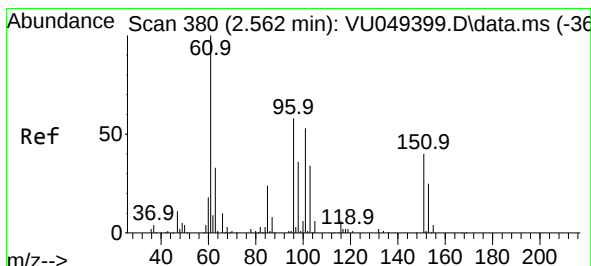
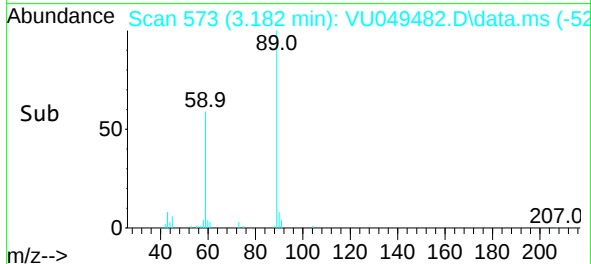
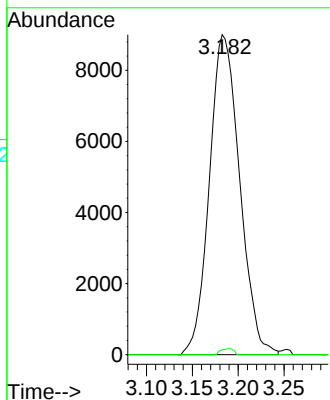
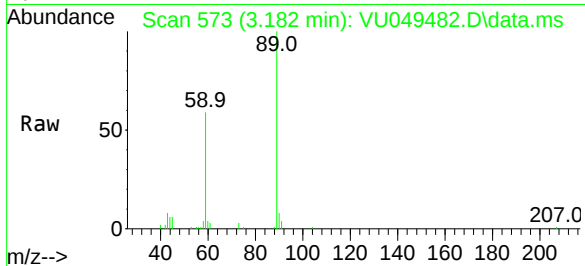




#11
Tert butyl alcohol
Concen: 18.815 ug/l
RT: 3.182 min Scan# 51
Delta R.T. -0.129 min
Lab File: VU049482.D
Acq: 29 Jun 2022 01:00

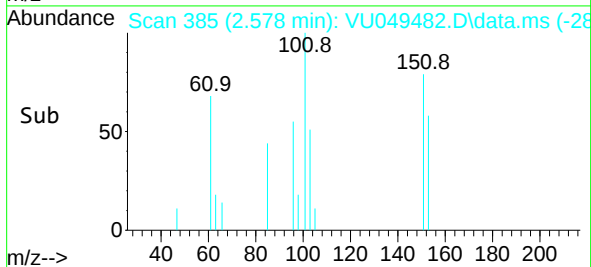
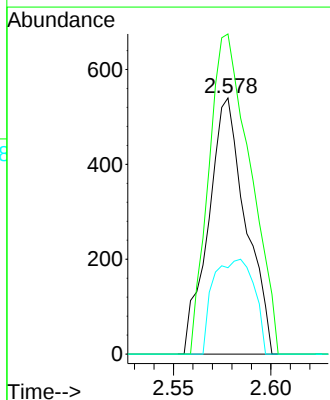
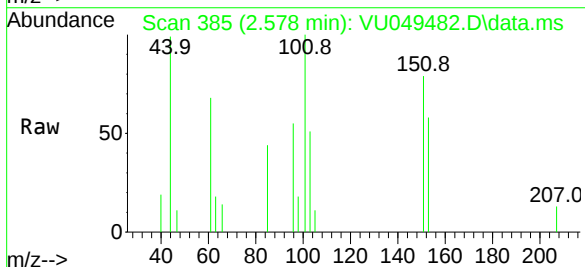
Instrument :
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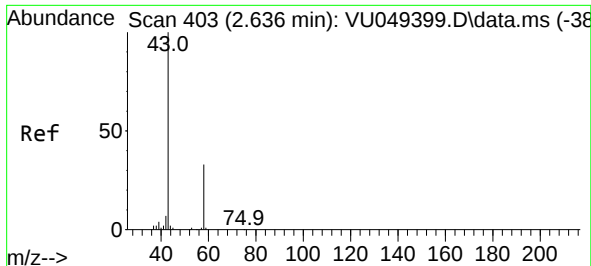
Tgt Ion: 59 Resp: 20669
Ion Ratio Lower Upper
59 100
57 0.8 30.6 45.8#



#12
1,1-Dichloroethene
Concen: 0.218 ug/l
RT: 2.578 min Scan# 385
Delta R.T. 0.016 min
Lab File: VU049482.D
Acq: 29 Jun 2022 01:00

Tgt Ion: 96 Resp: 721
Ion Ratio Lower Upper
96 100
61 125.0 122.2 183.2
98 33.7 50.7 76.1#

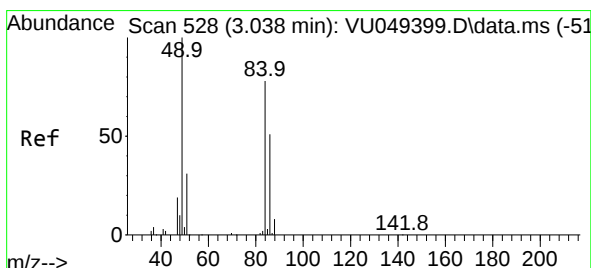
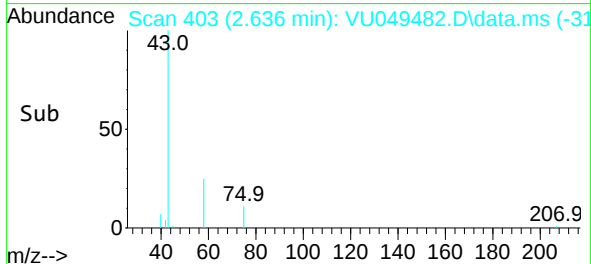
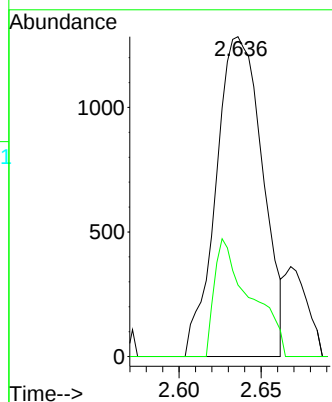
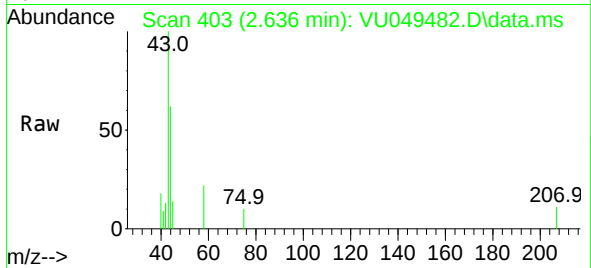




#16
Acetone
Concen: 1.070 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.000 min
Lab File: VU049482.D
Acq: 29 Jun 2022 01:00

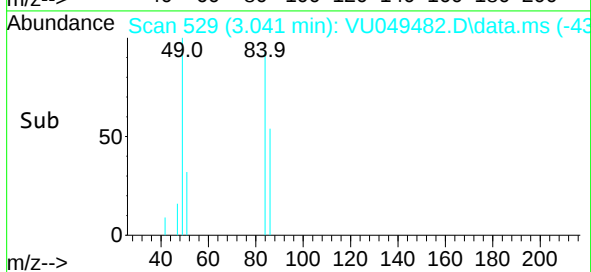
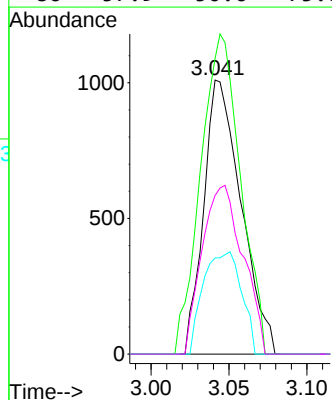
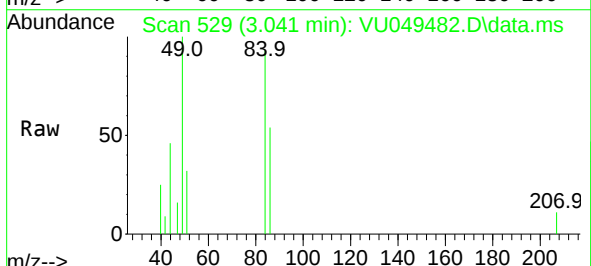
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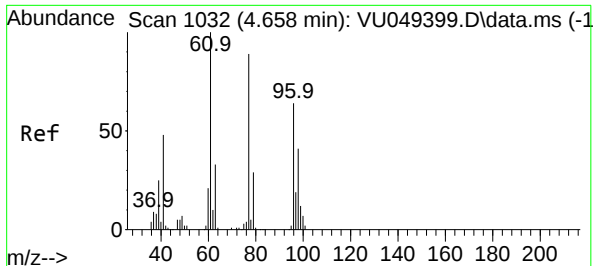
Tgt Ion: 43 Resp: 2532
Ion Ratio Lower Upper
43 100
58 22.4 27.5 41.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.041 min Scan# 529
Delta R.T. 0.003 min
Lab File: VU049482.D
Acq: 29 Jun 2022 01:00

Tgt Ion: 84 Resp: 1688
Ion Ratio Lower Upper
84 100
49 107.9 86.6 129.8
51 35.0 26.6 40.0
86 57.9 50.6 75.8





#26

2,2-Dichloropropane

Concen: 0.306 ug/l

RT: 4.636 min Scan# 1163

Delta R.T. -0.022 min

Lab File: VU049482.D

Acq: 29 Jun 2022 01:00

Instrument :

MSVOA_U

ClientSampleId :

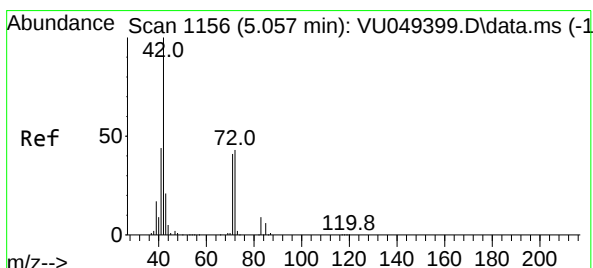
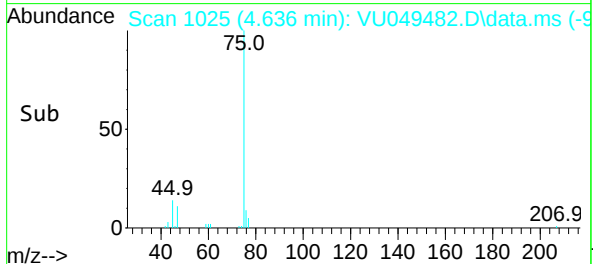
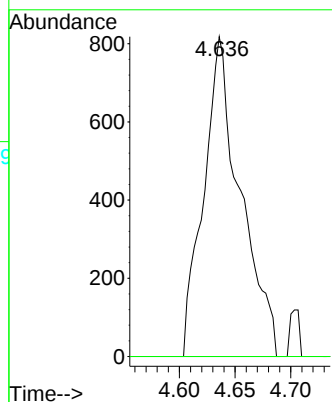
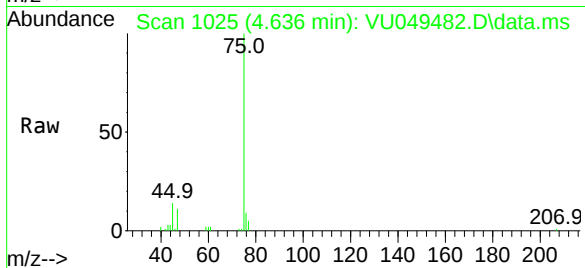
RE103D1-20220620DL

Tgt Ion: 77 Resp: 1869

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#



#29

Tetrahydrofuran

Concen: 0.258 ug/l

RT: 5.080 min Scan# 1163

Delta R.T. 0.023 min

Lab File: VU049482.D

Acq: 29 Jun 2022 01:00

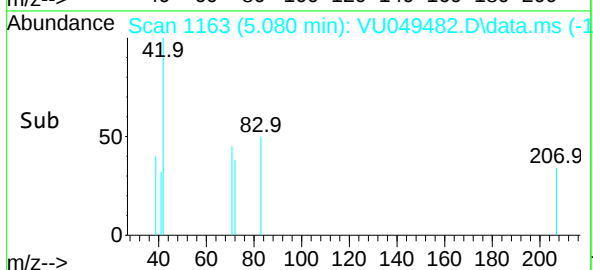
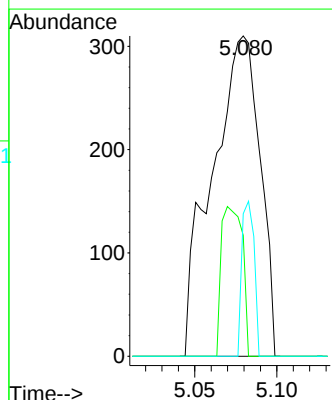
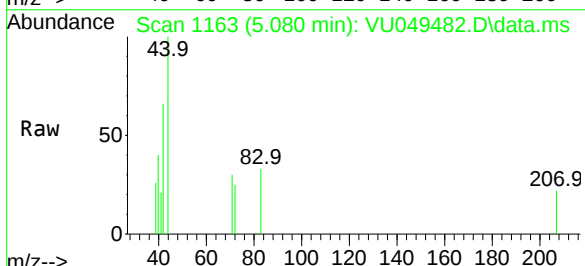
Tgt Ion: 42 Resp: 628

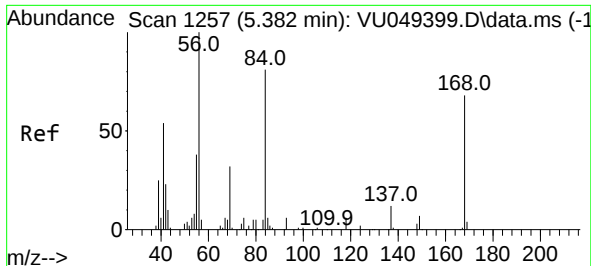
Ion Ratio Lower Upper

42 100

72 20.5 42.6 63.8#

71 12.4 40.3 60.5#





#31

Cyclohexane

Concen: 0.932 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.010 min

Lab File: VU049482.D

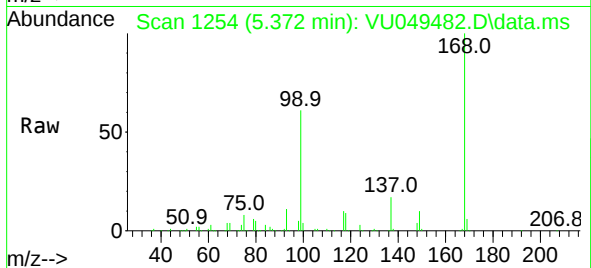
Acq: 29 Jun 2022 01:00

Instrument :

MSVOA_U

ClientSampleId :

RE103D1-20220620DL



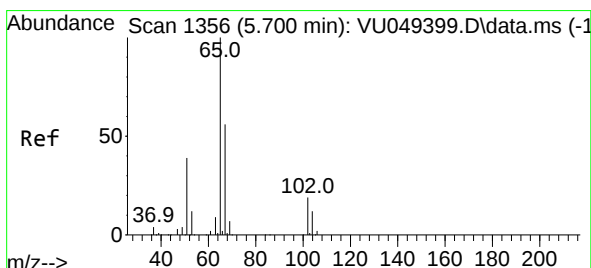
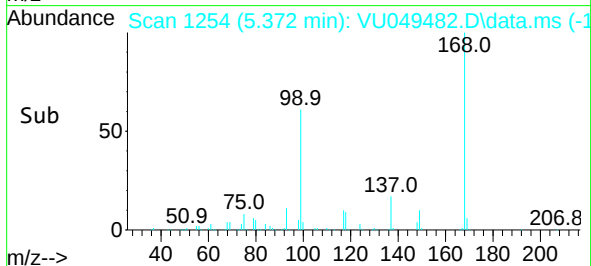
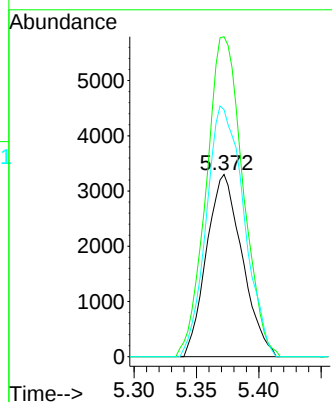
Tgt Ion: 56 Resp: 6571

Ion Ratio Lower Upper

56 100

69 175.7 27.8 41.8#

84 135.6 74.2 111.4#



#33

1,2-Dichloroethane-d4

Concen: 44.066 ug/l

RT: 5.700 min Scan# 1356

Delta R.T. 0.000 min

Lab File: VU049482.D

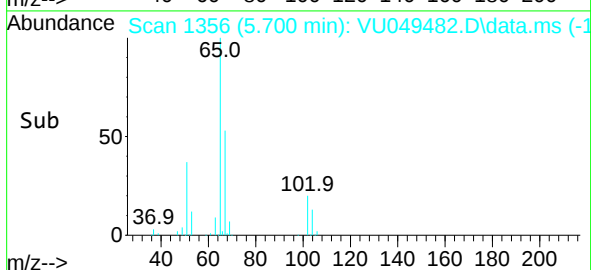
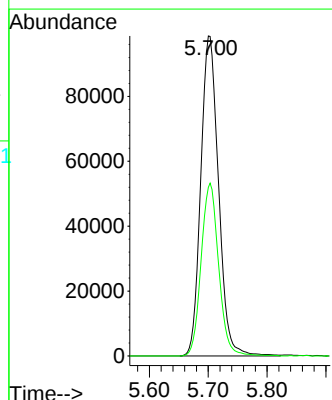
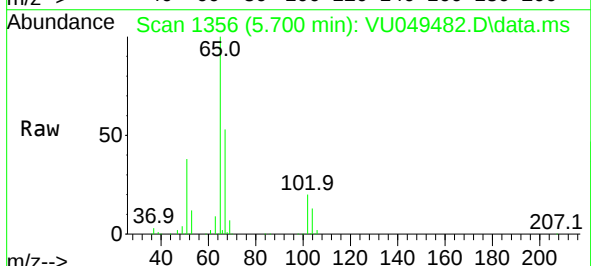
Acq: 29 Jun 2022 01:00

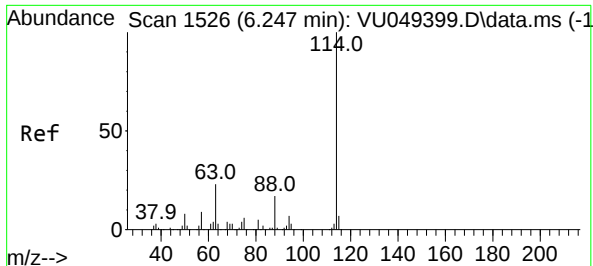
Tgt Ion: 65 Resp: 206821

Ion Ratio Lower Upper

65 100

67 53.1 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049482.D

Acq: 29 Jun 2022 01:00

Instrument :

MSVOA_U

ClientSampleId :

RE103D1-20220620DL

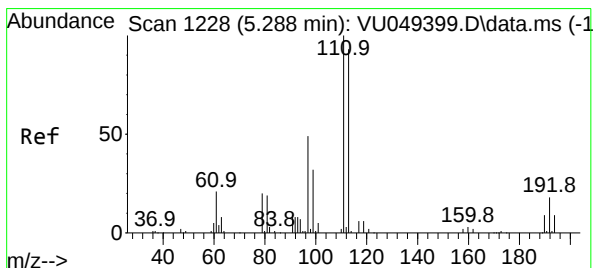
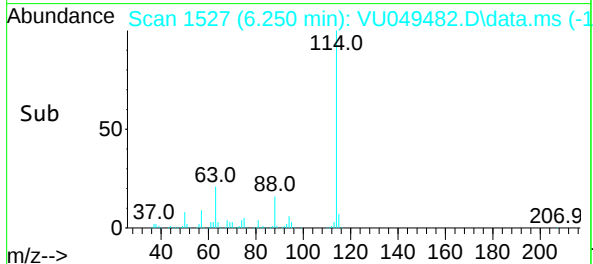
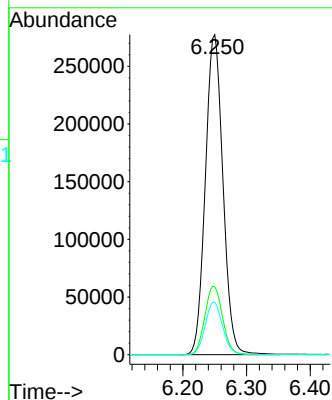
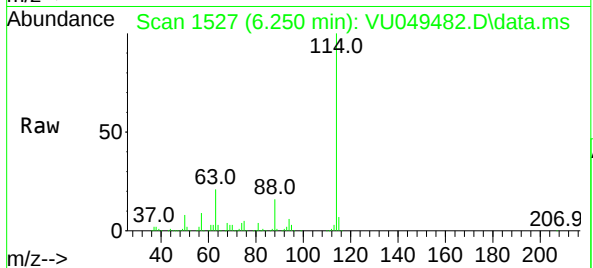
Tgt Ion:114 Resp: 532754

Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.8

88 16.4 0.0 29.2



#35

Dibromofluoromethane

Concen: 44.548 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049482.D

Acq: 29 Jun 2022 01:00

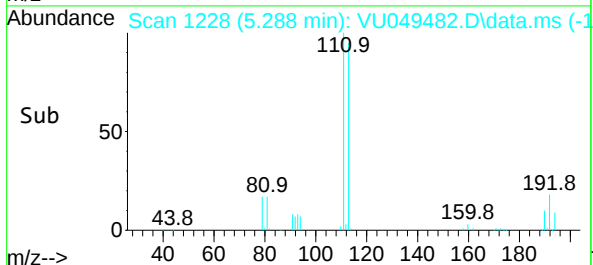
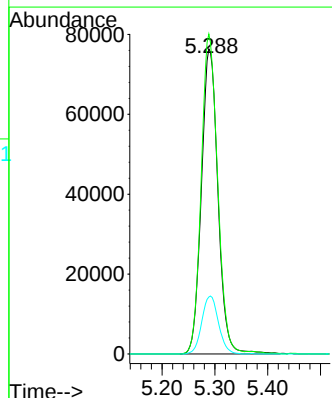
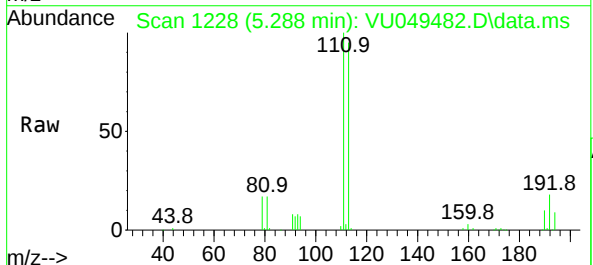
Tgt Ion:113 Resp: 166044

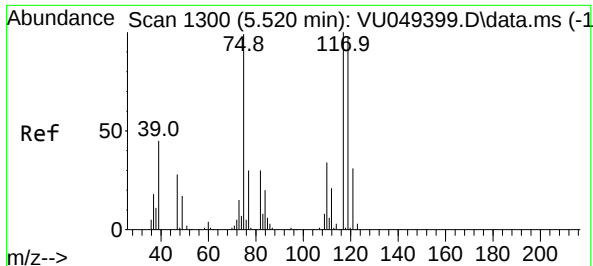
Ion Ratio Lower Upper

113 100

111 103.7 82.1 123.1

192 19.1 18.0 27.0

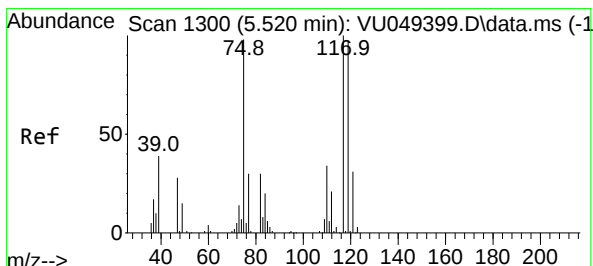
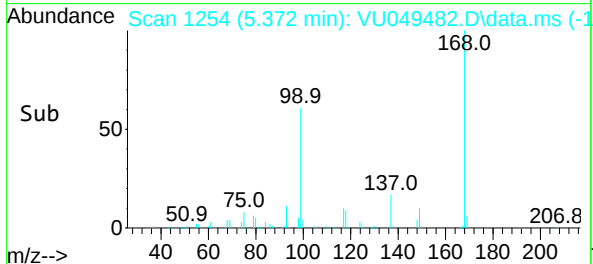
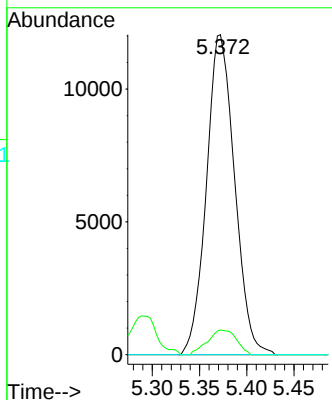
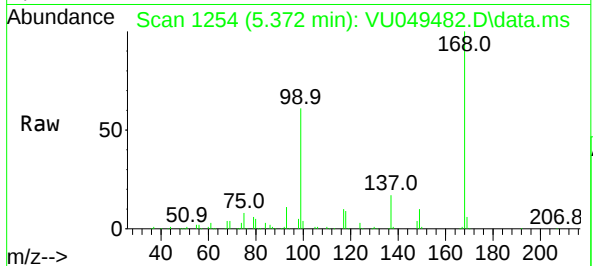




#36
 1,1-Dichloropropene
 Concen: 4.624 ug/l
 RT: 5.372 min Scan# 1254
 Delta R.T. -0.148 min
 Lab File: VU049482.D
 Acq: 29 Jun 2022 01:00

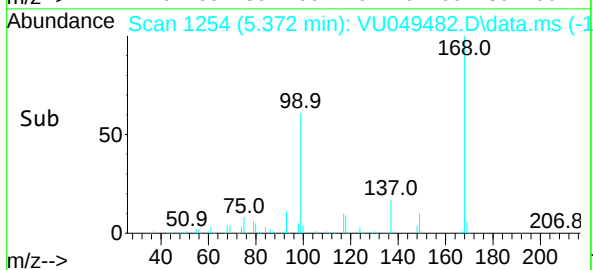
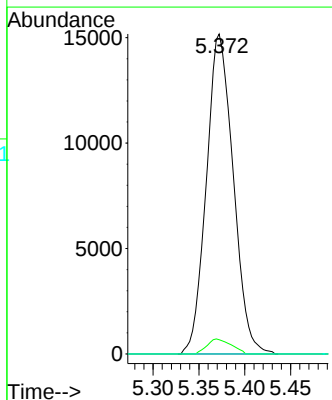
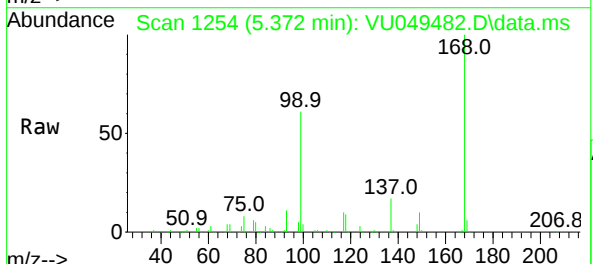
Instrument :
 MSVOA_U
 ClientSampleId :
 RE103D1-20220620DL

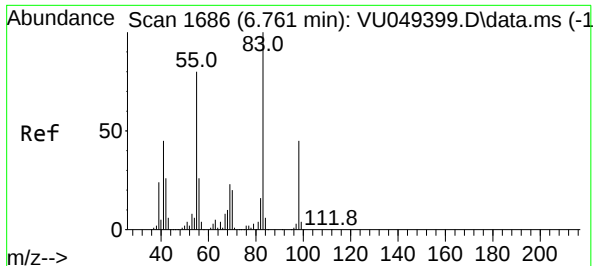
Tgt Ion: 75 Resp: 24988
 Ion Ratio Lower Upper
 75 100
 110 7.9 18.4 55.2#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.462 ug/l
 RT: 5.372 min Scan# 1254
 Delta R.T. -0.148 min
 Lab File: VU049482.D
 Acq: 29 Jun 2022 01:00

Tgt Ion: 117 Resp: 30957
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.8 115.2#
 121 0.0 24.7 37.1#





#39

Methylcyclohexane

Concen: 0.358 ug/l

RT: 6.542 min Scan# 1

Delta R.T. -0.219 min

Lab File: VU049482.D

Acq: 29 Jun 2022 01:00

Instrument :

MSVOA_U

ClientSampleId :

RE103D1-20220620DL

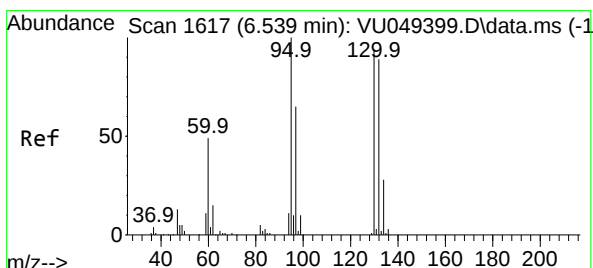
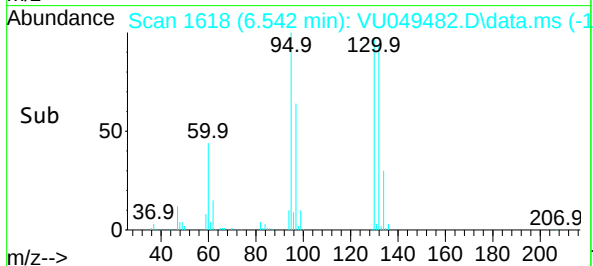
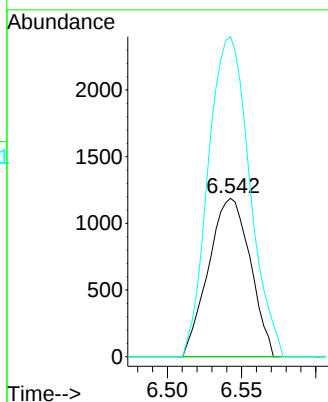
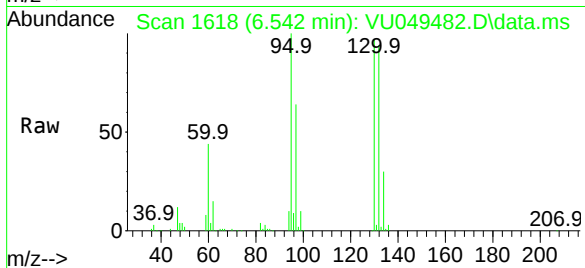
Tgt Ion: 83 Resp: 2321

Ion Ratio Lower Upper

83 100

55 0.0 55.3 82.9#

98 202.0 37.3 55.9#



#44

Trichloroethene

Concen: 46.925 ug/l

RT: 6.542 min Scan# 1618

Delta R.T. 0.003 min

Lab File: VU049482.D

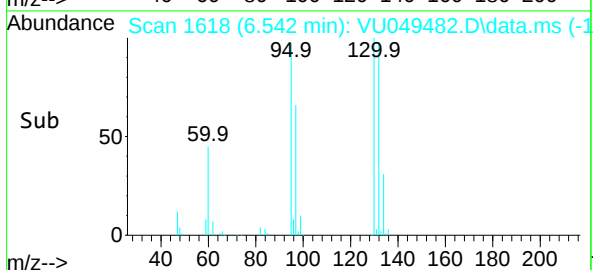
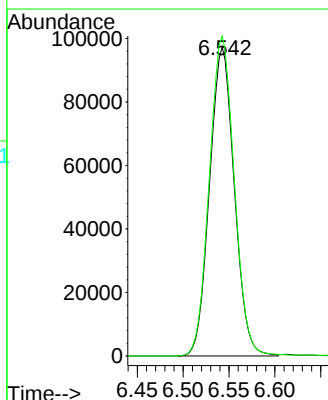
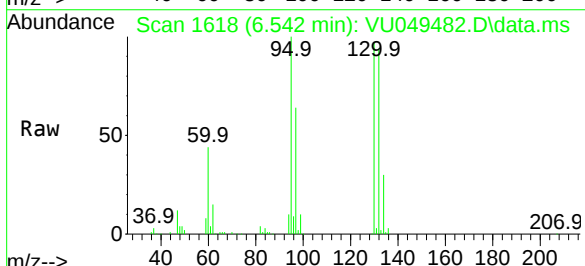
Acq: 29 Jun 2022 01:00

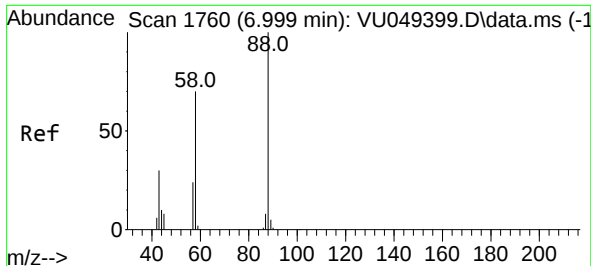
Tgt Ion:130 Resp: 182019

Ion Ratio Lower Upper

130 100

95 103.6 0.0 184.6





#49

1,4-Dioxane

Concen: 0.600 ug/l

RT: 6.993 min Scan# 1

Delta R.T. -0.006 min

Lab File: VU049482.D

Acq: 29 Jun 2022 01:00

Instrument :

MSVOA_U

ClientSampleId :

RE103D1-20220620DL

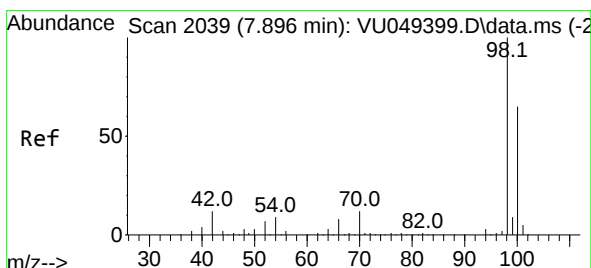
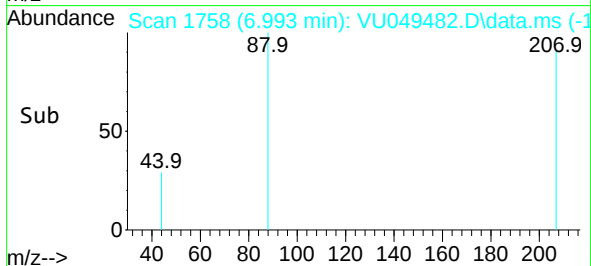
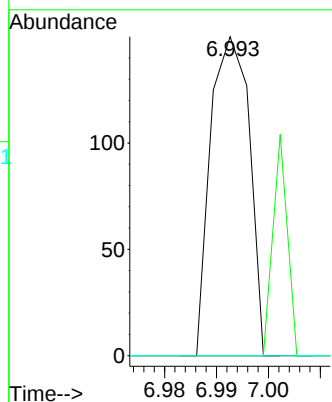
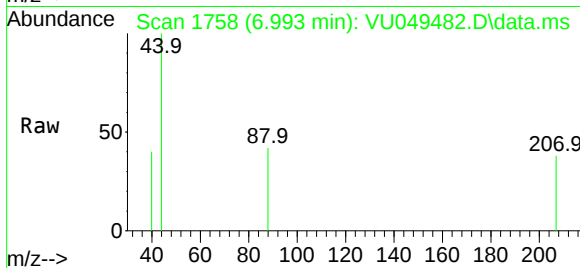
Tgt Ion: 88 Resp: 78

Ion Ratio Lower Upper

88 100

43 25.6 0.0 0.0#

58 0.0 15.4 23.0#



#50

Toluene-d8

Concen: 47.351 ug/l

RT: 7.896 min Scan# 2039

Delta R.T. 0.000 min

Lab File: VU049482.D

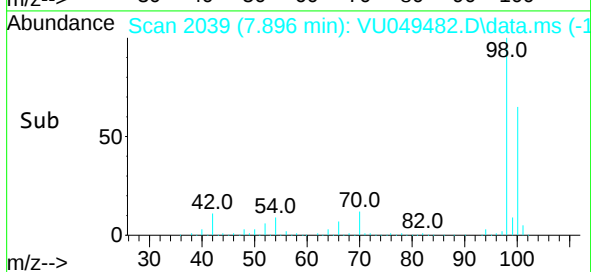
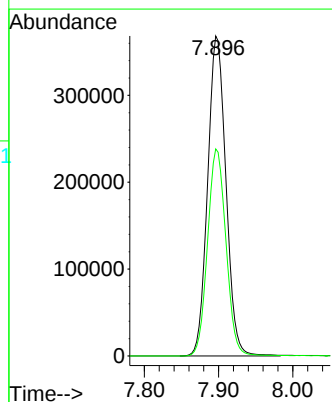
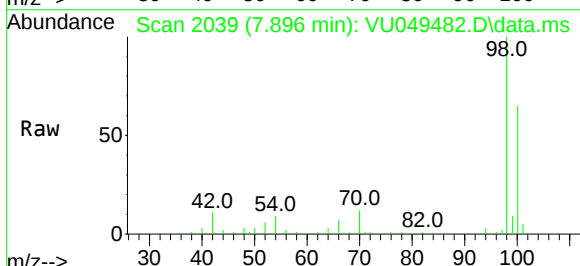
Acq: 29 Jun 2022 01:00

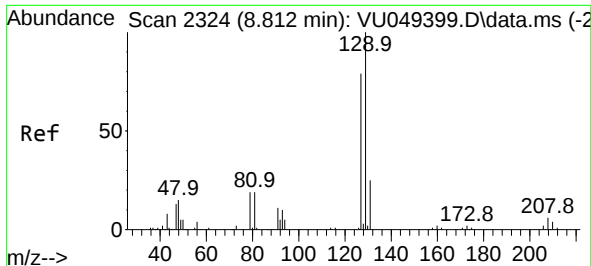
Tgt Ion: 98 Resp: 629499

Ion Ratio Lower Upper

98 100

100 65.2 51.7 77.5

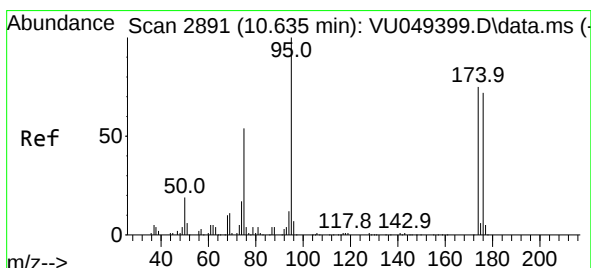
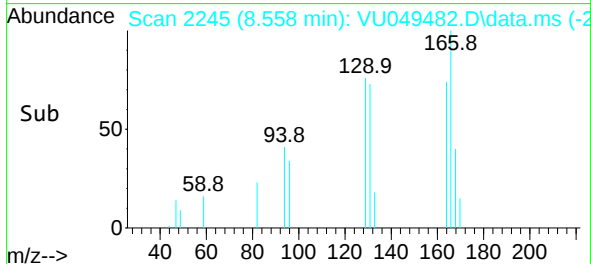
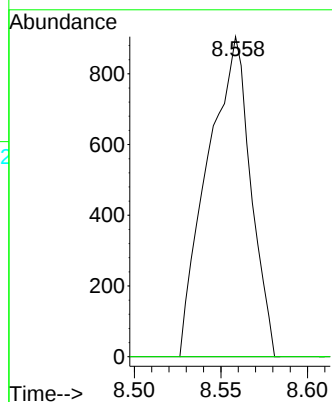
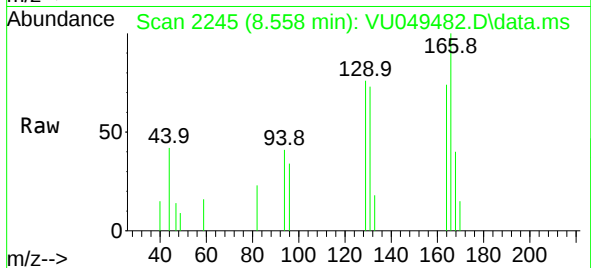




#60
Dibromochloromethane
Concen: 0.376 ug/l
RT: 8.558 min Scan# 211
Delta R.T. -0.254 min
Lab File: VU049482.D
Acq: 29 Jun 2022 01:00

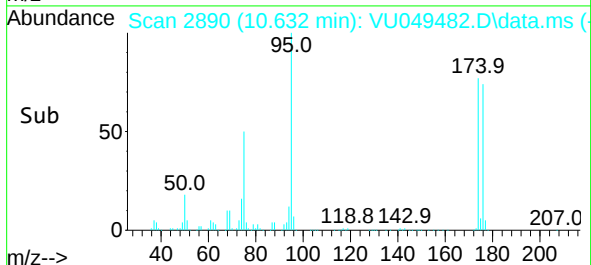
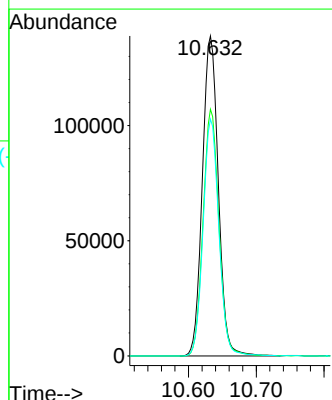
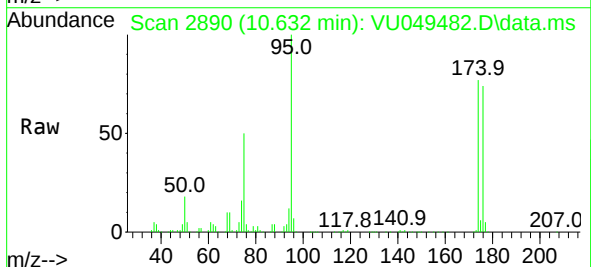
Instrument :
MSVOA_U
ClientSampleId :
RE103D1-20220620DL

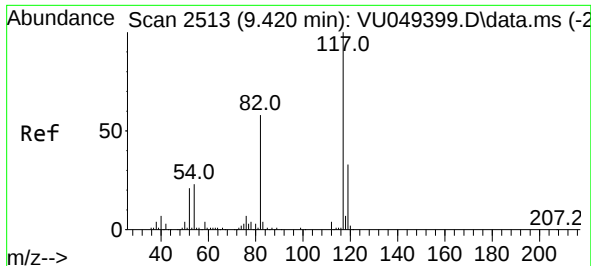
Tgt Ion:129 Resp: 1566
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 44.635 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049482.D
Acq: 29 Jun 2022 01:00

Tgt Ion: 95 Resp: 227305
Ion Ratio Lower Upper
95 100
174 76.5 0.0 182.0
176 73.1 0.0 177.8

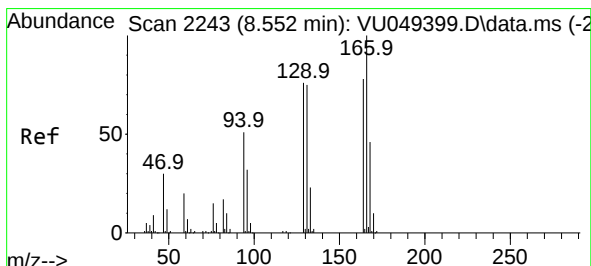
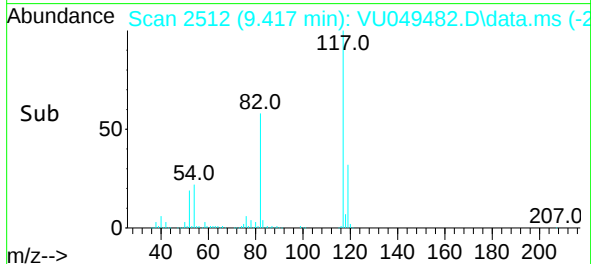
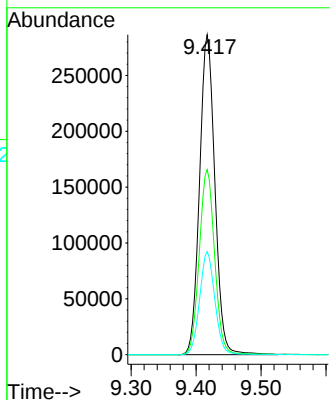
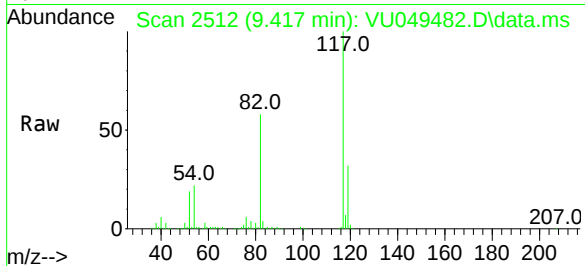




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049482.D
Acq: 29 Jun 2022 01:00

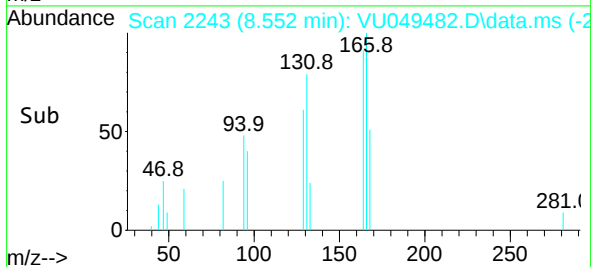
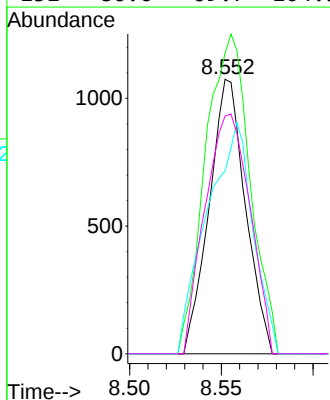
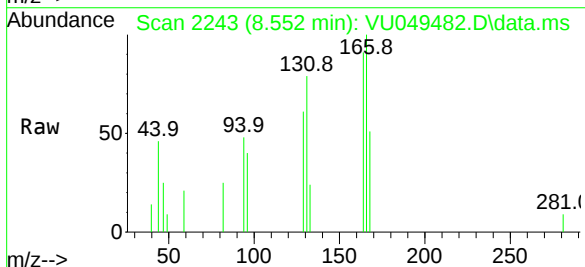
Instrument :
MSVOA_U
ClientSampleId :
RE103D1-20220620DL

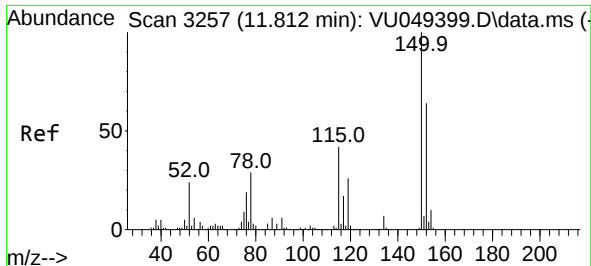
Tgt Ion:117 Resp: 471280
Ion Ratio Lower Upper
117 100
82 57.9 41.7 62.5
119 32.2 25.7 38.5



#64
Tetrachloroethene
Concen: 0.488 ug/l
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049482.D
Acq: 29 Jun 2022 01:00

Tgt Ion:164 Resp: 1476
Ion Ratio Lower Upper
164 100
166 109.5 100.0 150.0
129 66.6 72.0 108.0#
131 86.6 69.7 104.5

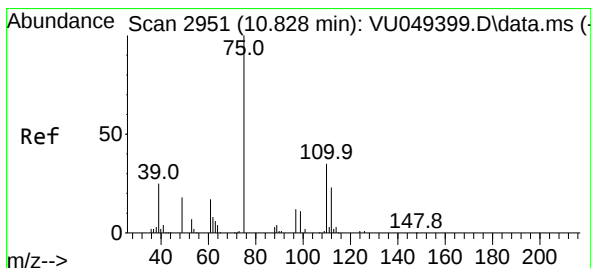
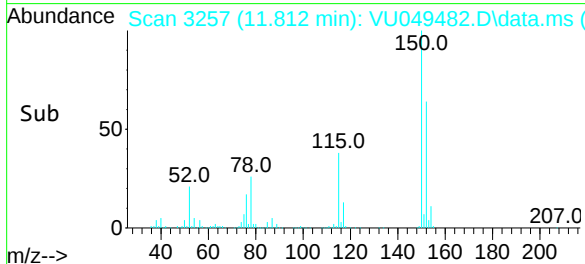
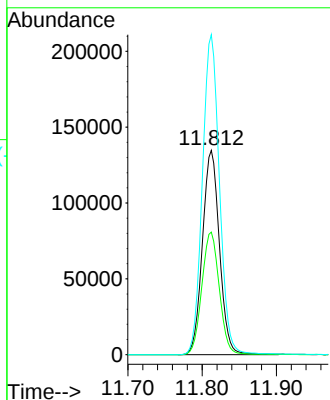
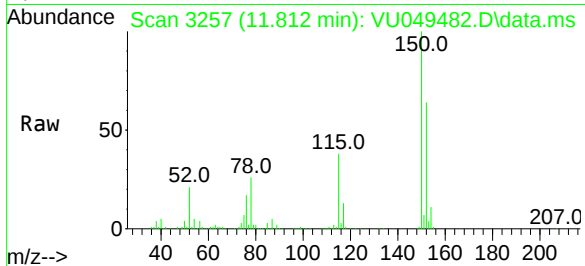




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049482.D
 Acq: 29 Jun 2022 01:00

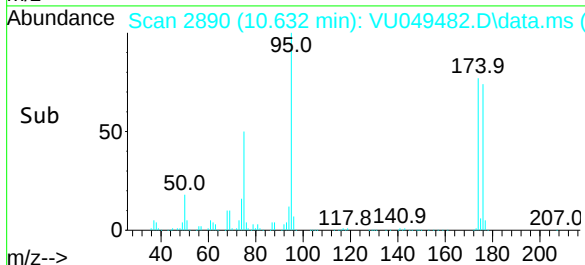
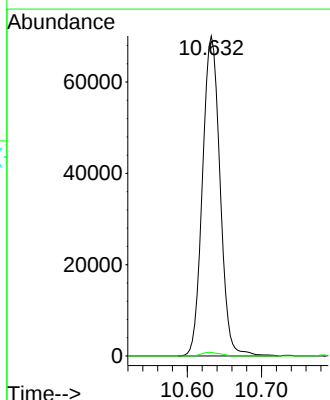
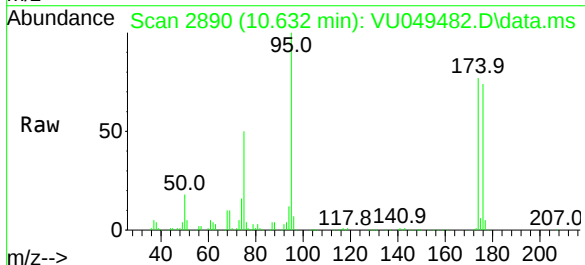
Instrument :
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 ClientSampleId :
 RE103D1-20220620DL

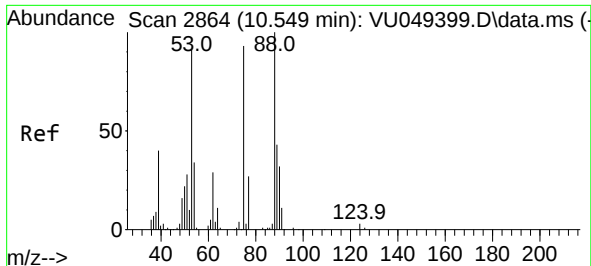
Tgt Ion:152 Resp: 214145
 Ion Ratio Lower Upper
 152 100
 115 61.5 37.0 110.9
 150 157.1 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.850 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049482.D
 Acq: 29 Jun 2022 01:00

Tgt Ion: 75 Resp: 115061
 Ion Ratio Lower Upper
 75 100
 77 1.2 15.8 47.3#

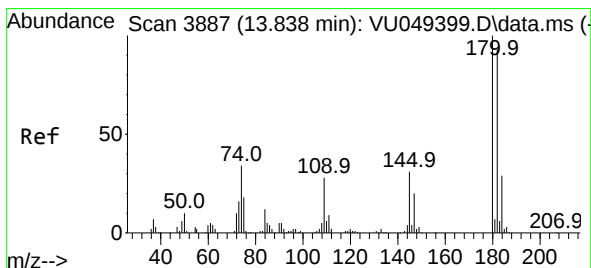
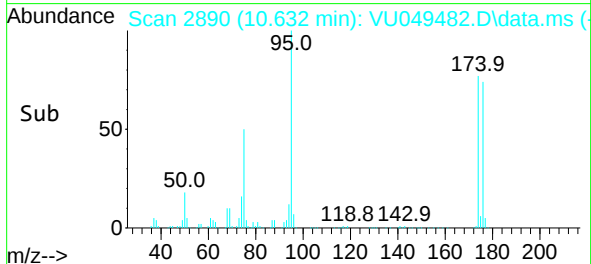
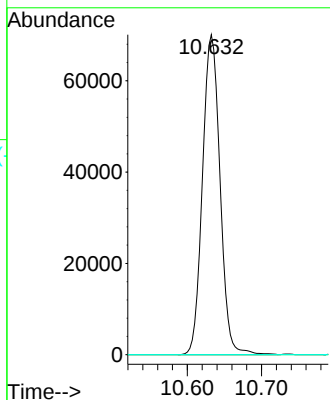
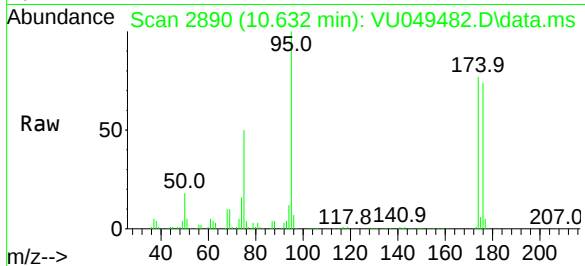




#81
trans-1,4-Dichloro-2-butene
Concen: 58.533 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049482.D
Acq: 29 Jun 2022 01:00

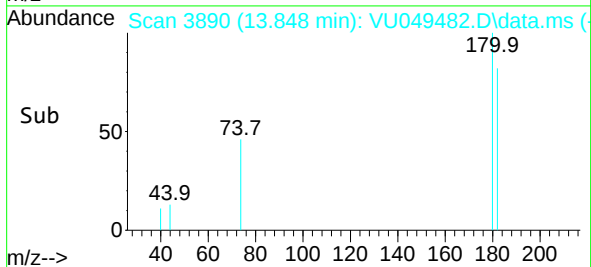
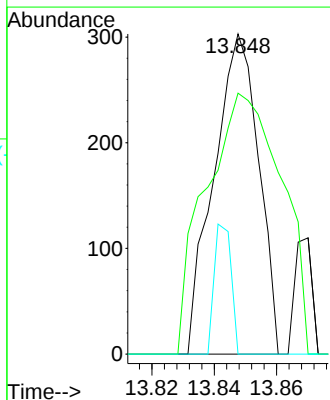
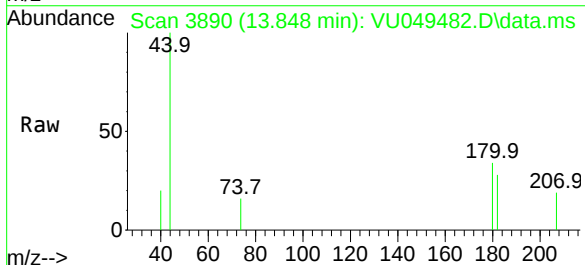
Instrument :
MSVOA_U
ClientSampleId :
RE103D1-20220620DL

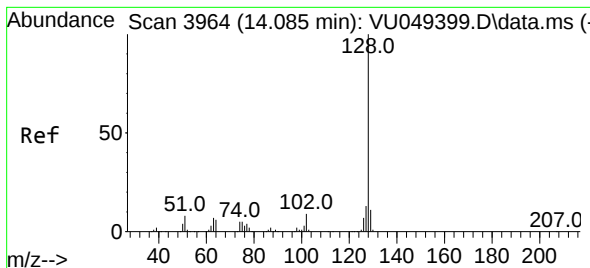
Tgt Ion: 75 Resp: 115061
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.815 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.010 min
Lab File: VU049482.D
Acq: 29 Jun 2022 01:00

Tgt Ion: 180 Resp: 303
Ion Ratio Lower Upper
180 100
182 138.3 47.9 143.6
145 15.2 14.0 41.9





#95

Naphthalene

Concen: 1.881 ug/l

RT: 14.098 min Scan# 3968

Delta R.T. 0.013 min

Lab File: VU049482.D

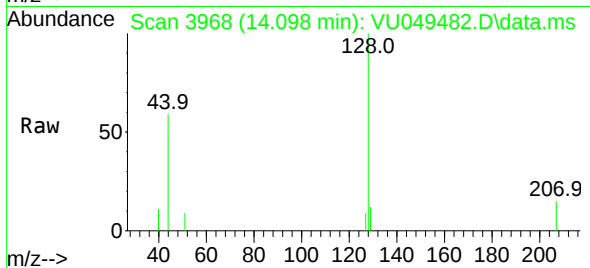
Acq: 29 Jun 2022 01:00

Instrument :

MSVOA_U

ClientSampleId :

RE103D1-20220620DL



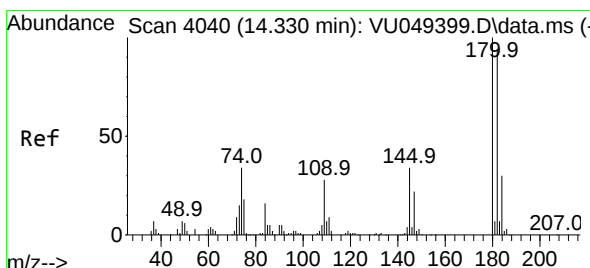
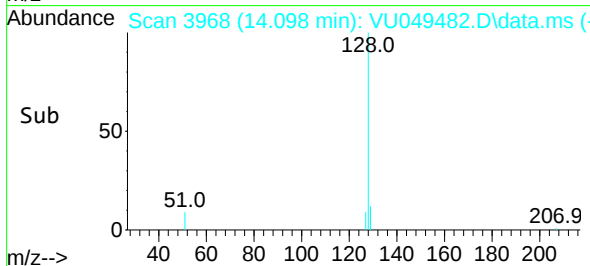
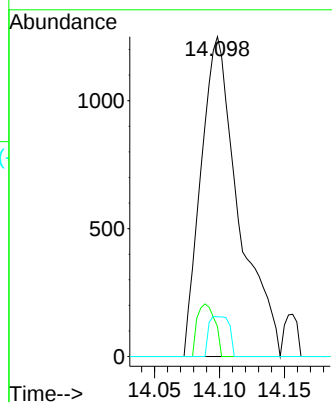
Tgt Ion:128 Resp: 2517

Ion Ratio Lower Upper

128 100

127 7.7 10.3 15.5#

129 6.7 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.260 ug/l

RT: 14.340 min Scan# 4043

Delta R.T. 0.010 min

Lab File: VU049482.D

Acq: 29 Jun 2022 01:00

Tgt Ion:180 Resp: 418

Ion Ratio Lower Upper

180 100

182 116.7 48.4 145.0

145 30.6 14.8 44.4

