

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049481.D
 Acq On : 29 Jun 2022 00:37
 Operator : SY/MD
 Sample : N3457-07 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE115D2-20220620

Quant Time: Jun 29 05:24:40 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)

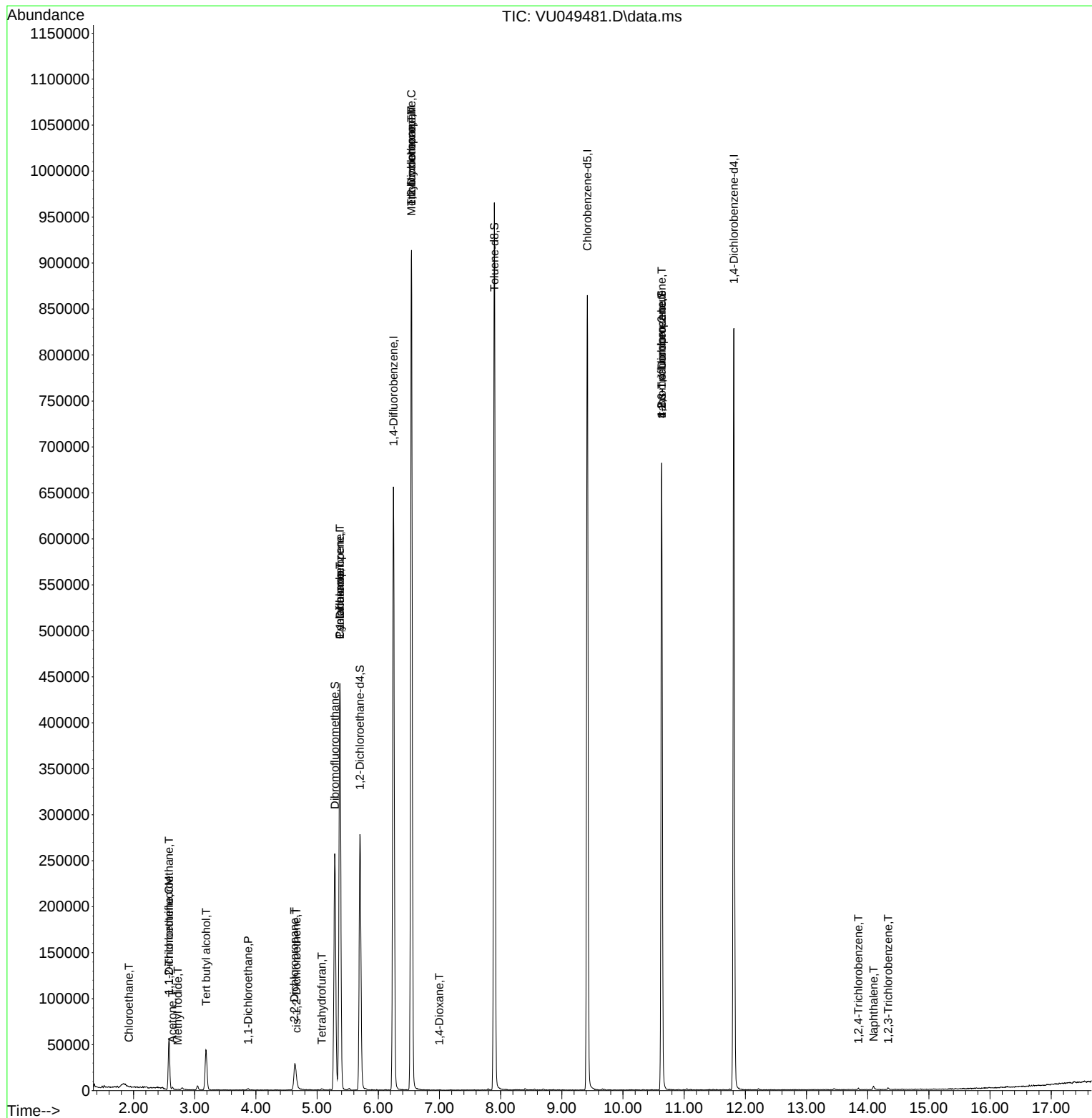
Internal Standards						
1) Pentafluorobenzene	5.372	168	313627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	538036	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	478979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.813	152	222623	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	208397	43.146	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.300%		
35) Dibromofluoromethane	5.289	113	168051	44.644	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.280%		
50) Toluene-d8	7.896	98	639898	47.661	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.320%		
62) 4-Bromofluorobenzene	10.633	95	231916	45.093	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.180%		
Target Compounds						Qvalue
3) Chloromethane	1.524	50	1824	Below Cal		100
6) Chloroethane	1.922	64	323	2.048 ug/l #		44
9) 1,1,2-Trichlorotrifluo...	2.578	101	14280	4.104 ug/l		97
10) Methyl Iodide	2.723	142	331	7.595 ug/l #		43
11) Tert butyl alcohol	3.186	59	26309	23.272 ug/l #		38
12) 1,1-Dichloroethene	2.578	96	6746	1.980 ug/l		96
16) Acetone	2.633	43	3198	1.313 ug/l		99
20) Methylene Chloride	3.044	84	2299	Below Cal		89
24) 1,1-Dichloroethane	3.874	63	1985	0.263 ug/l #		82
26) 2,2-Dichloropropane	4.630	77	2112	0.336 ug/l #		52
27) cis-1,2-Dichloroethene	4.665	96	1414	0.333 ug/l		49
29) Tetrahydrofuran	5.077	42	799	0.319 ug/l #		55
31) Cyclohexane	5.372	56	6375	0.879 ug/l #		1
36) 1,1-Dichloropropene	5.372	75	25135	4.605 ug/l #		48
39) Methylcyclohexane	6.540	83	3708	0.567 ug/l #		1
44) Trichloroethene	6.543	130	308126	78.656 ug/l		90
45) 1,2-Dichloropropane	6.543	63	1049	0.230 ug/l #		1
49) 1,4-Dioxane	6.996	88	249	1.898 ug/l #		93
76) 1,2,3-Trichloropropane	10.633	75	115255	15.272 ug/l #		45
81) trans-1,4-Dichloro-2-b...	10.633	75	115255	56.398 ug/l #		15
93) 1,2,4-Trichlorobenzene	13.848	180	734	1.896 ug/l		93
95) Naphthalene	14.095	128	3756	1.944 ug/l #		92
96) 1,2,3-Trichlorobenzene	14.333	180	716	1.313 ug/l		92

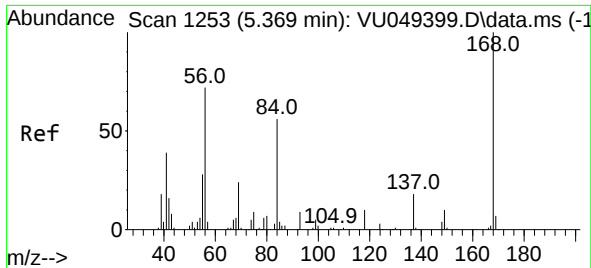
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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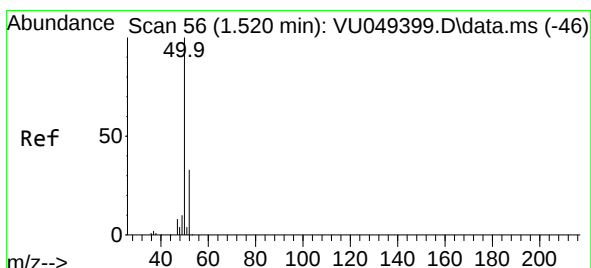
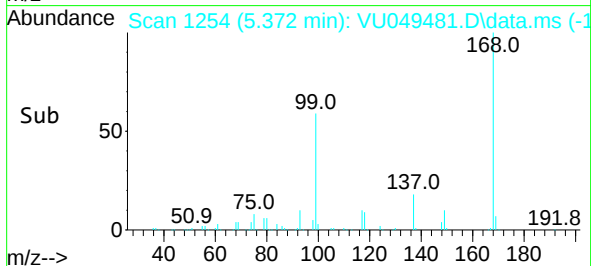
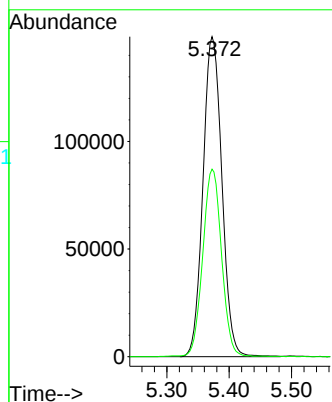
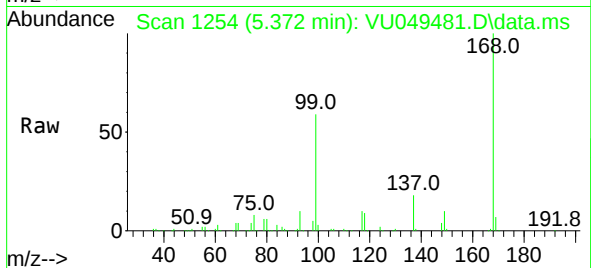




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049481.D
Acq: 29 Jun 2022 00:37

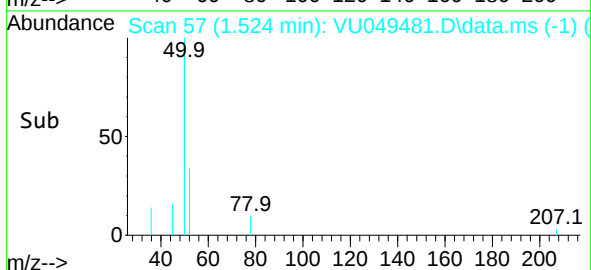
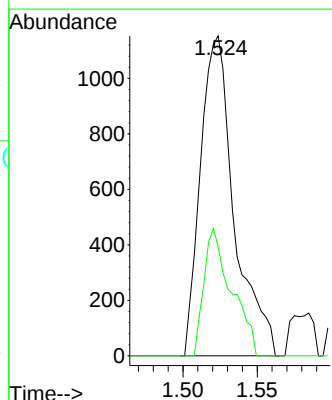
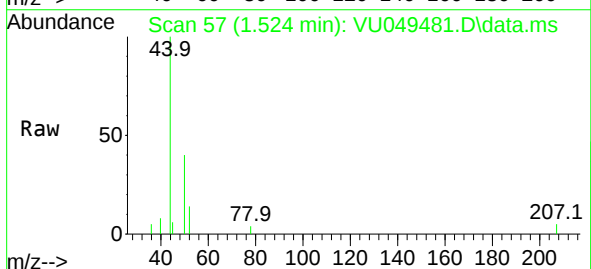
Instrument :
MSVOA_U
ClientSampleId :
RE115D2-20220620

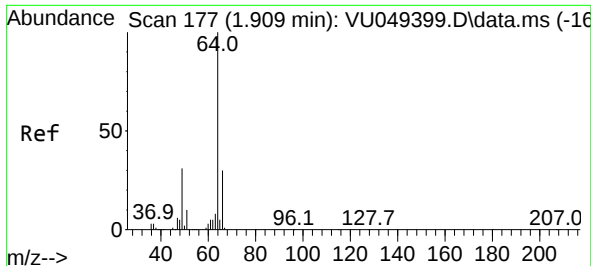
Tgt Ion:168 Resp: 313627
Ion Ratio Lower Upper
168 100
99 58.5 39.3 58.9



#3
Chloromethane
Concen: Below Cal
RT: 1.524 min Scan# 57
Delta R.T. 0.004 min
Lab File: VU049481.D
Acq: 29 Jun 2022 00:37

Tgt Ion: 50 Resp: 1824
Ion Ratio Lower Upper
50 100
52 34.2 27.4 41.2

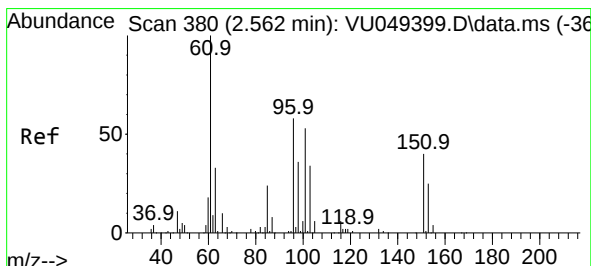
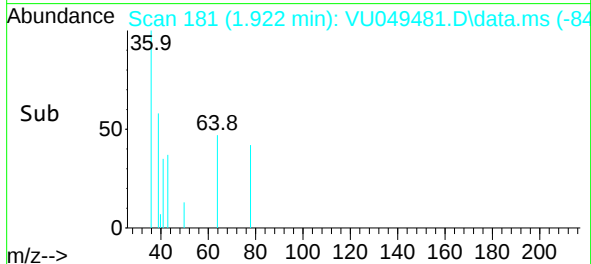
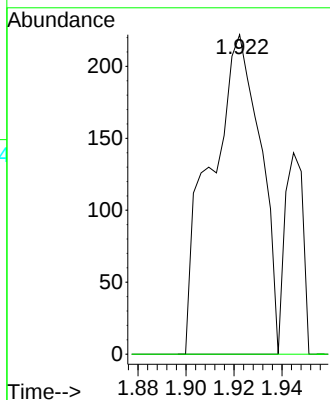
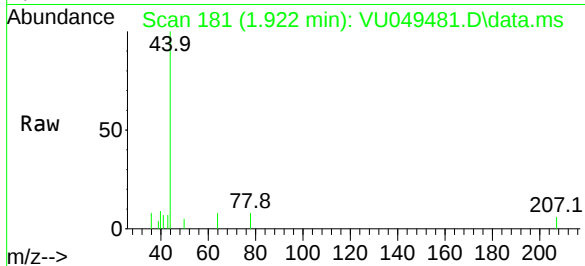




#6
Chloroethane
Concen: 2.048 ug/l
RT: 1.922 min Scan# 11
Delta R.T. 0.013 min
Lab File: VU049481.D
Acq: 29 Jun 2022 00:37

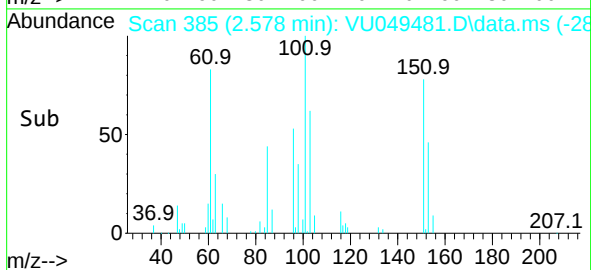
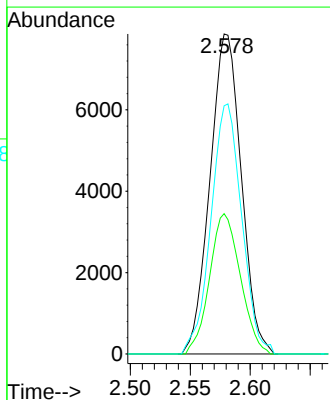
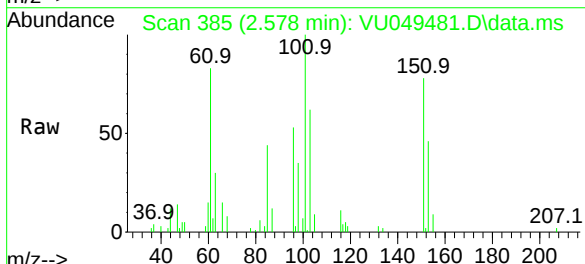
Instrument :
MSVOA_U
ClientSampleId :
RE115D2-20220620

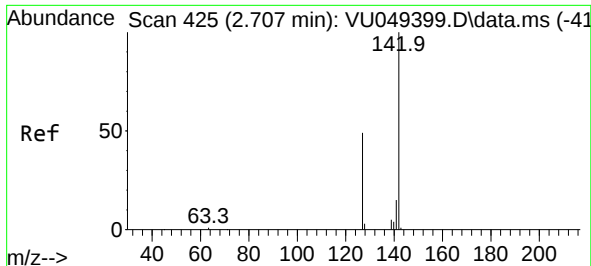
Tgt Ion: 64 Resp: 323
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.104 ug/l
RT: 2.578 min Scan# 385
Delta R.T. 0.016 min
Lab File: VU049481.D
Acq: 29 Jun 2022 00:37

Tgt Ion: 101 Resp: 14280
Ion Ratio Lower Upper
101 100
85 43.1 33.9 50.9
151 76.7 64.0 96.0





#10

Methyl Iodide

Concen: 7.595 ug/l

RT: 2.723 min Scan# 41

Delta R.T. 0.016 min

Lab File: VU049481.D

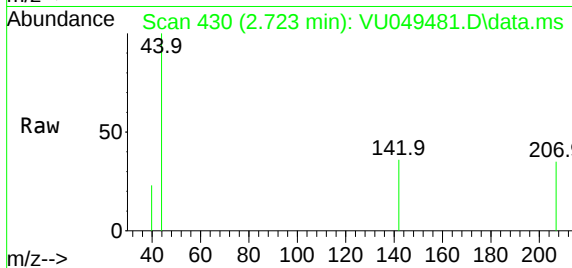
Acq: 29 Jun 2022 00:37

Instrument :

MSVOA_U

ClientSampleId :

RE115D2-20220620



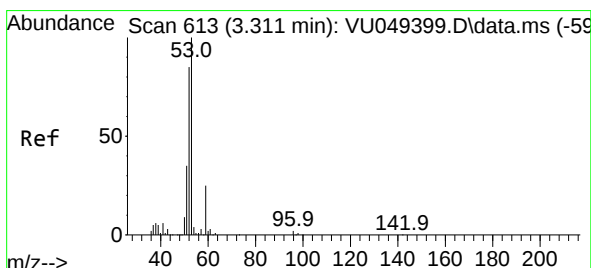
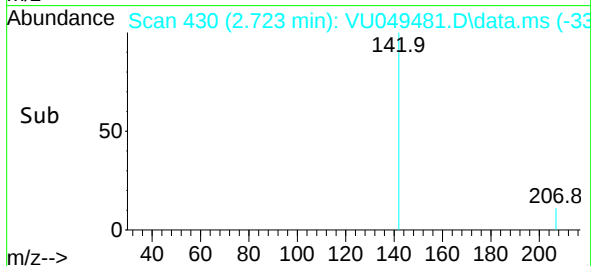
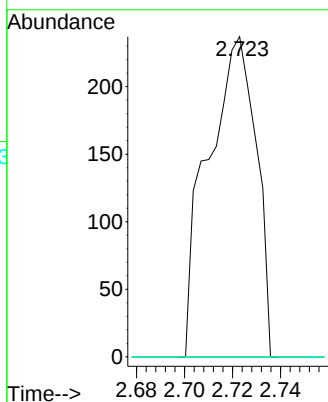
Tgt Ion:142 Resp: 331

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: 23.272 ug/l

RT: 3.186 min Scan# 574

Delta R.T. -0.125 min

Lab File: VU049481.D

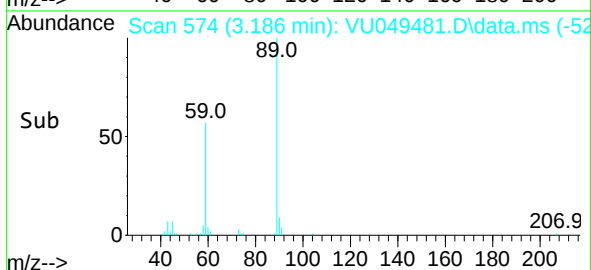
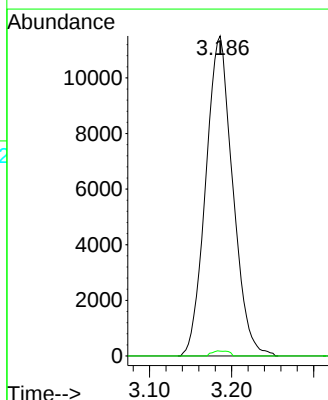
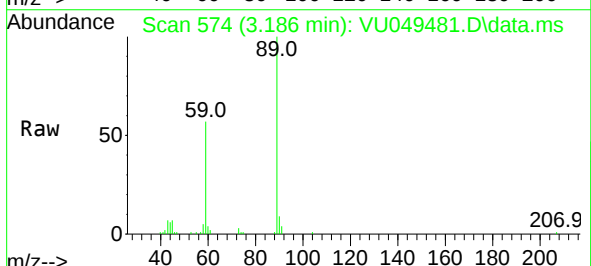
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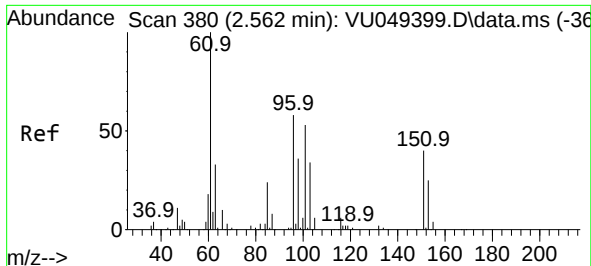
Tgt Ion: 59 Resp: 26309

Ion Ratio Lower Upper

59 100

57 1.0 30.6 45.8#

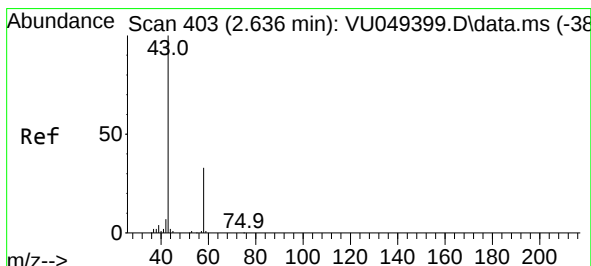
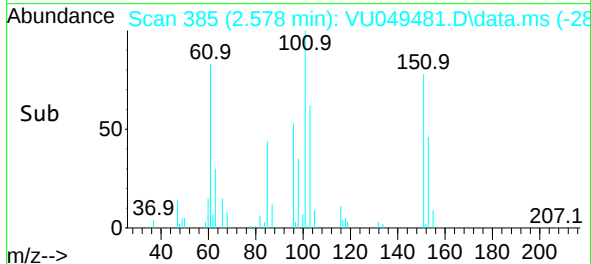
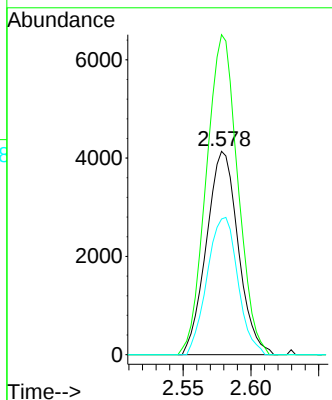
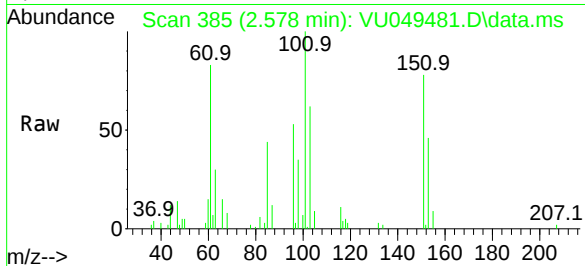




#12
1,1-Dichloroethene
Concen: 1.980 ug/l
RT: 2.578 min Scan# 380
Delta R.T. 0.016 min
Lab File: VU049481.D
Acq: 29 Jun 2022 00:37

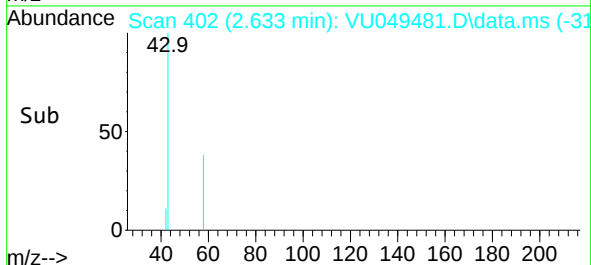
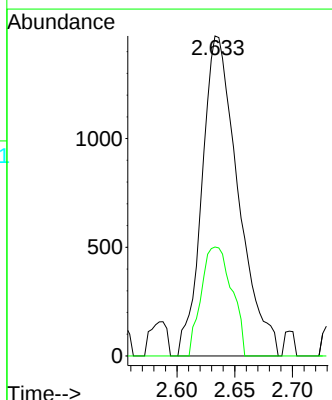
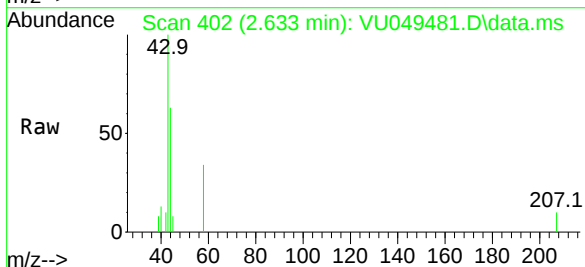
Instrument :
MSVOA_U
ClientSampleId :
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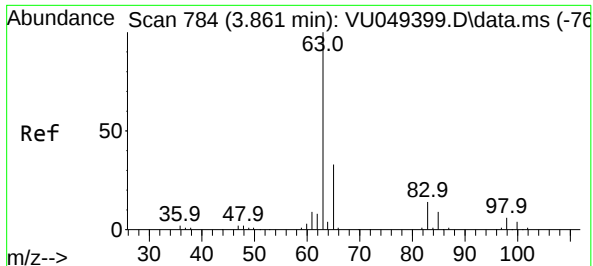
Tgt Ion: 96 Resp: 6746
Ion Ratio Lower Upper
96 100
61 157.3 122.2 183.2
98 66.7 50.7 76.1



#16
Acetone
Concen: 1.313 ug/l
RT: 2.633 min Scan# 402
Delta R.T. -0.003 min
Lab File: VU049481.D
Acq: 29 Jun 2022 00:37

Tgt Ion: 43 Resp: 3198
Ion Ratio Lower Upper
43 100
58 34.0 27.5 41.3





#24

1,1-Dichloroethane

Concen: 0.263 ug/l

RT: 3.874 min Scan# 71

Delta R.T. 0.013 min

Lab File: VU049481.D

Acq: 29 Jun 2022 00:37

Instrument :

MSVOA_U

ClientSampleId :

RE115D2-20220620

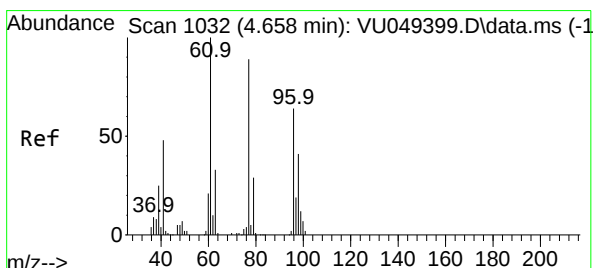
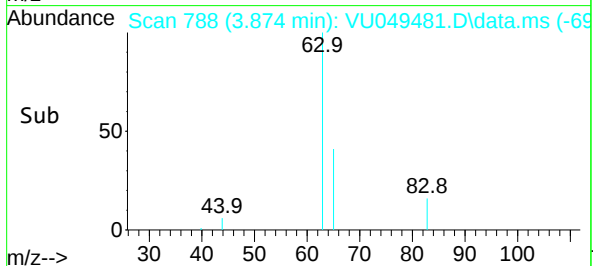
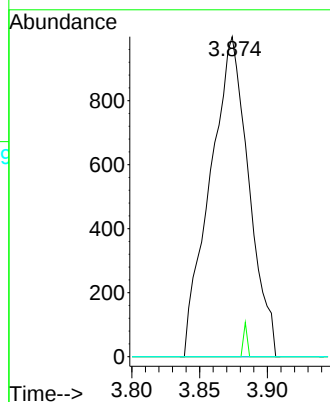
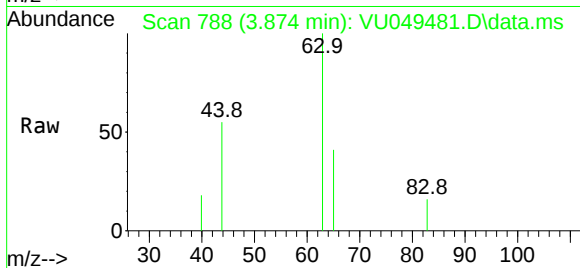
Tgt Ion: 63 Resp: 1985

Ion Ratio Lower Upper

63 100

98 0.0 3.6 10.9#

100 0.0 2.4 7.2#



#26

2,2-Dichloropropane

Concen: 0.336 ug/l

RT: 4.630 min Scan# 1023

Delta R.T. -0.029 min

Lab File: VU049481.D

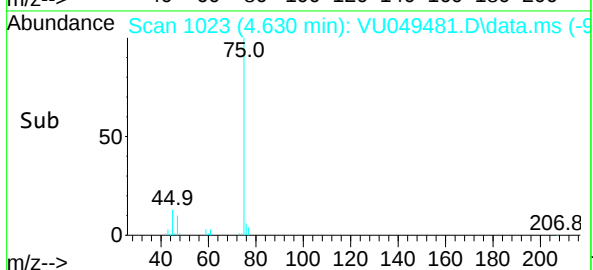
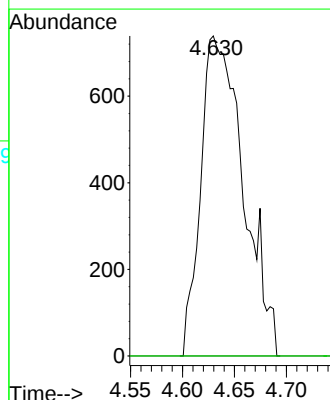
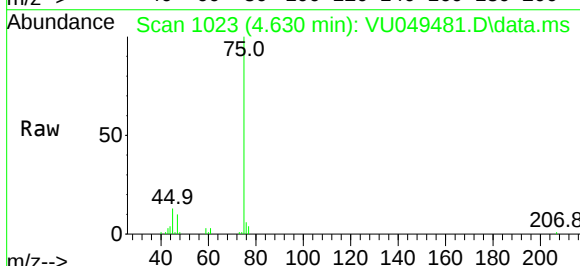
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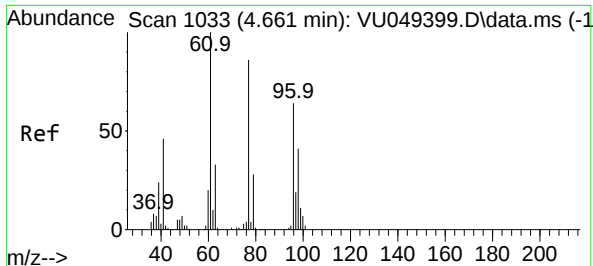
Tgt Ion: 77 Resp: 2112

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#





#27

cis-1,2-Dichloroethene

Concen: 0.333 ug/l

RT: 4.665 min Scan# 1

Delta R.T. 0.004 min

Lab File: VU049481.D

Acq: 29 Jun 2022 00:37

Instrument :

MSVOA_U

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RE115D2-20220620

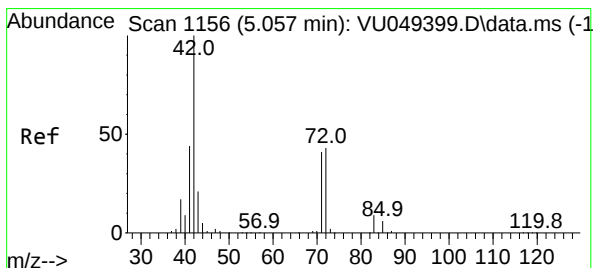
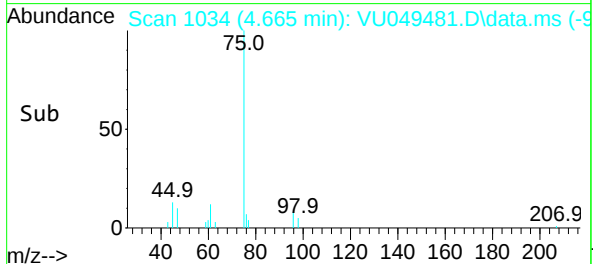
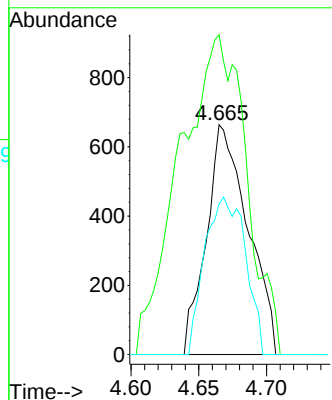
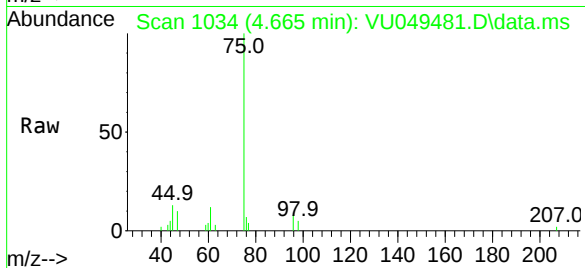
Tgt Ion: 96 Resp: 1414

Ion Ratio Lower Upper

96 100

61 223.0 0.0 271.6

98 67.2 0.0 128.2



#29

Tetrahydrofuran

Concen: 0.319 ug/l

RT: 5.077 min Scan# 1162

Delta R.T. 0.020 min

Lab File: VU049481.D

Acq: 29 Jun 2022 00:37

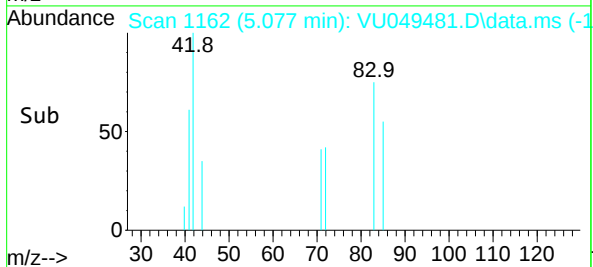
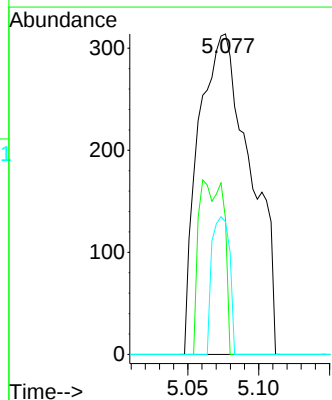
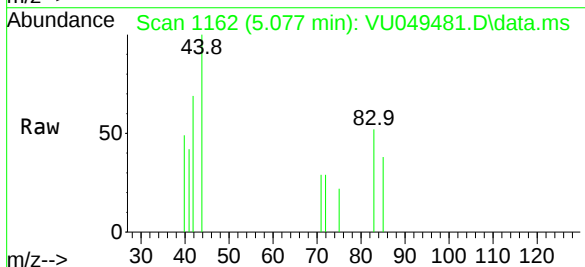
Tgt Ion: 42 Resp: 799

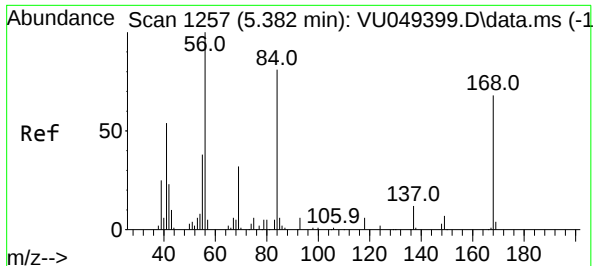
Ion Ratio Lower Upper

42 100

72 26.0 42.6 63.8#

71 14.6 40.3 60.5#





#31

Cyclohexane

Concen: 0.879 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.009 min

Lab File: VU049481.D

Acq: 29 Jun 2022 00:37

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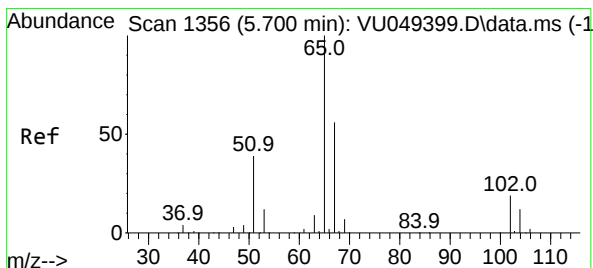
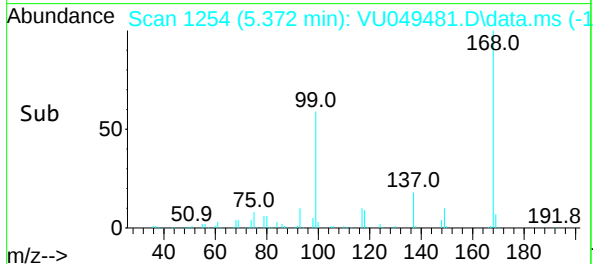
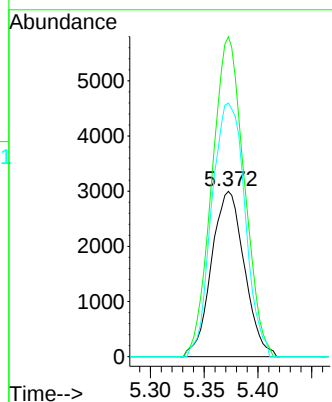
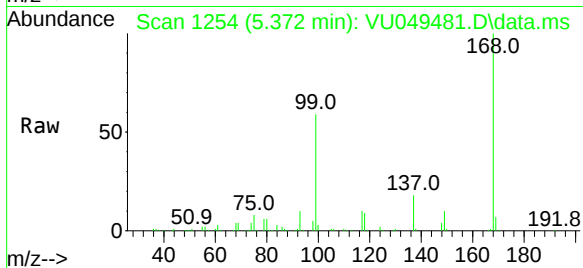
Tgt Ion: 56 Resp: 6375

Ion Ratio Lower Upper

56 100

69 193.6 27.8 41.8#

84 153.4 74.2 111.4#



#33

1,2-Dichloroethane-d4

Concen: 43.146 ug/l

RT: 5.700 min Scan# 1356

Delta R.T. 0.000 min

Lab File: VU049481.D

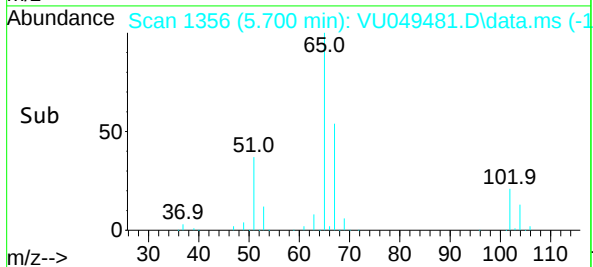
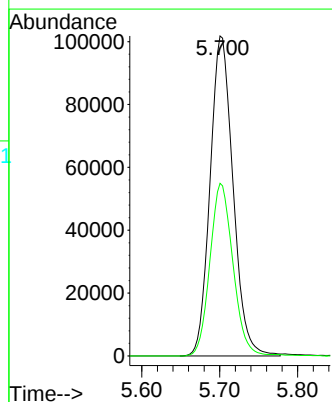
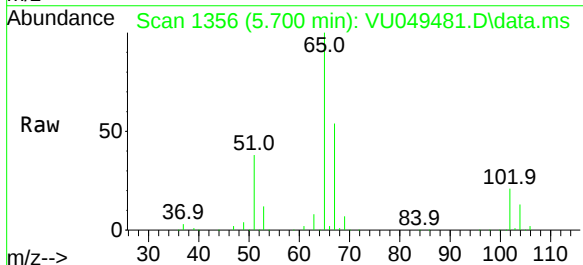
Acq: 29 Jun 2022 00:37

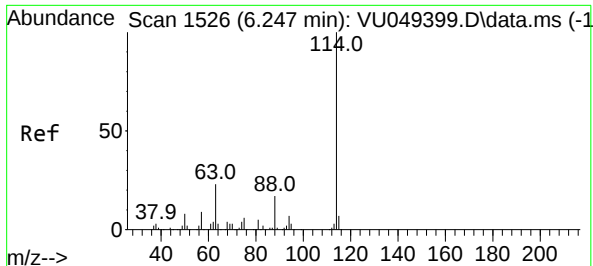
Tgt Ion: 65 Resp: 208397

Ion Ratio Lower Upper

65 100

67 53.9 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1

Delta R.T. 0.004 min

Lab File: VU049481.D

Acq: 29 Jun 2022 00:37

Instrument :

MSVOA_U

ClientSampleId :

RE115D2-20220620

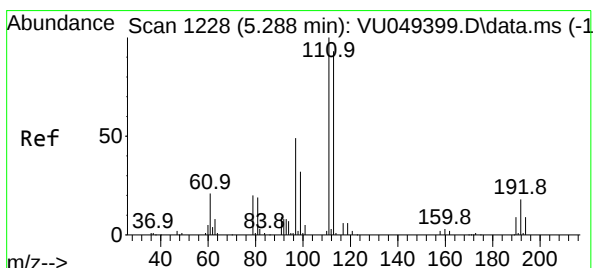
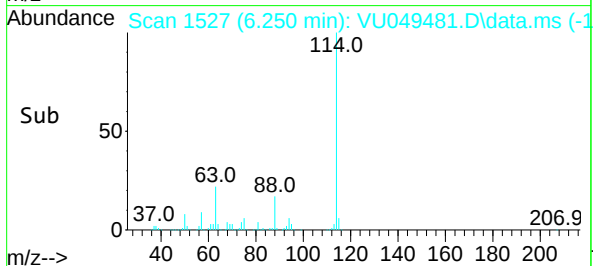
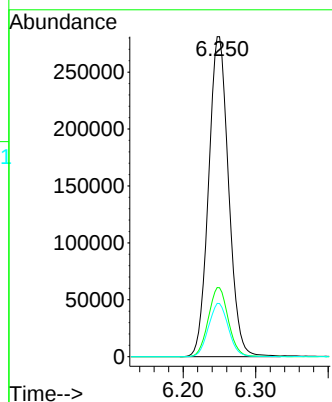
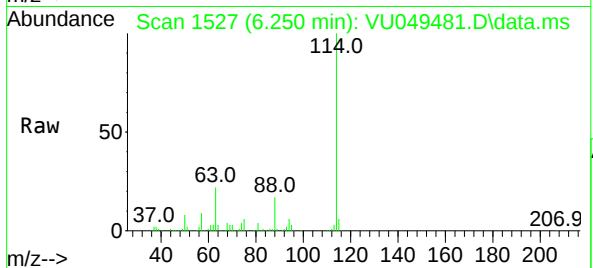
Tgt Ion:114 Resp: 538036

Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.8

88 16.6 0.0 29.2



#35

Dibromofluoromethane

Concen: 44.644 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049481.D

Acq: 29 Jun 2022 00:37

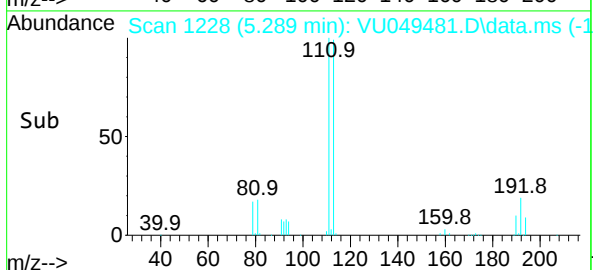
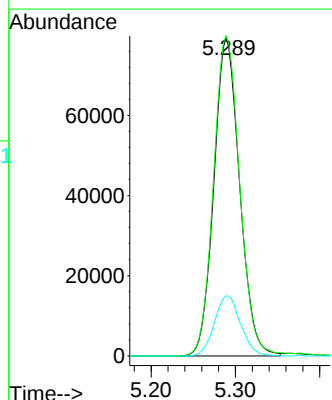
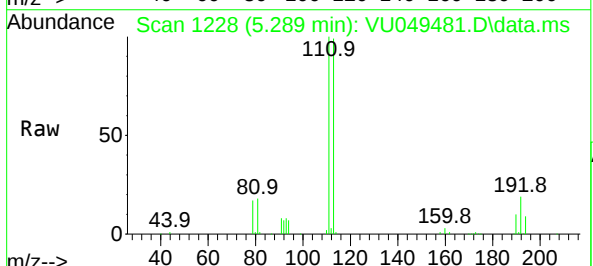
Tgt Ion:113 Resp: 168051

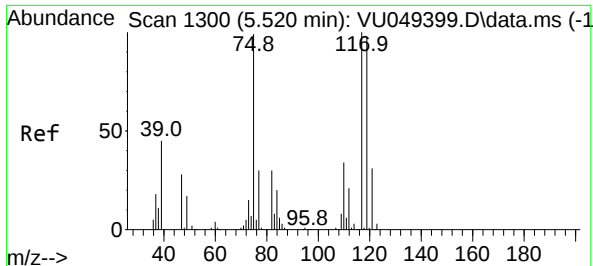
Ion Ratio Lower Upper

113 100

111 102.8 82.1 123.1

192 19.2 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.605 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.148 min

Lab File: VU049481.D

Acq: 29 Jun 2022 00:37

Instrument :

MSVOA_U

ClientSampleId :

RE115D2-20220620

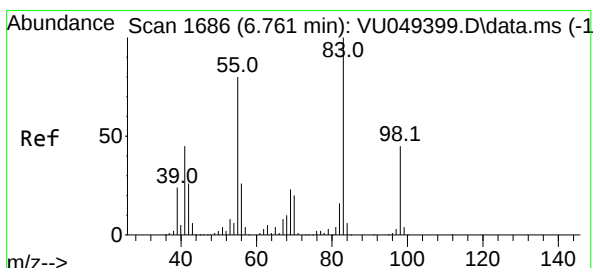
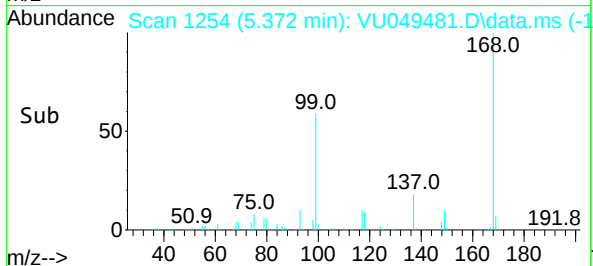
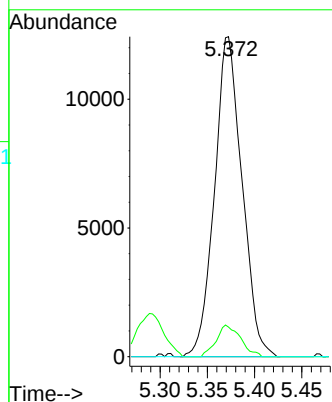
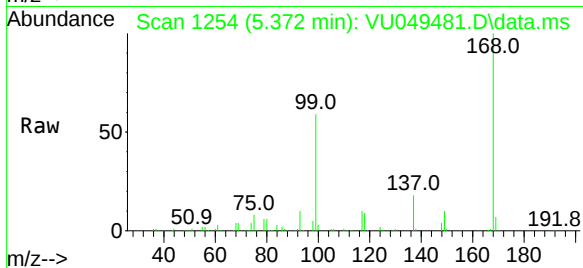
Tgt Ion: 75 Resp: 25135

Ion Ratio Lower Upper

75 100

110 8.7 18.4 55.2#

77 0.0 25.1 37.7#



#39

Methylcyclohexane

Concen: 0.567 ug/l

RT: 6.540 min Scan# 1617

Delta R.T. -0.221 min

Lab File: VU049481.D

Acq: 29 Jun 2022 00:37

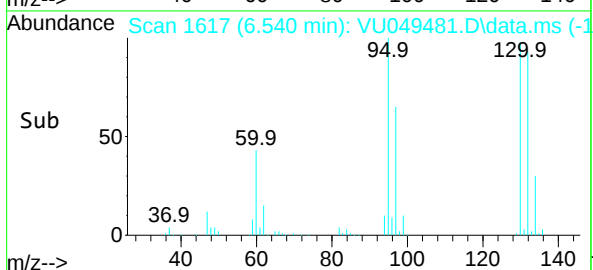
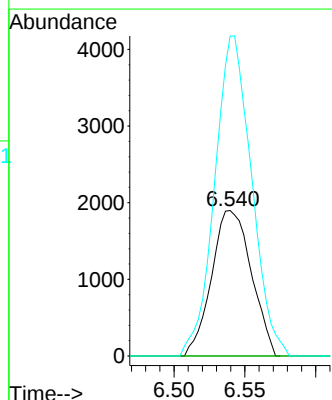
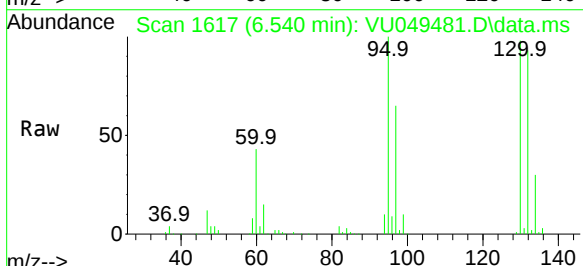
Tgt Ion: 83 Resp: 3708

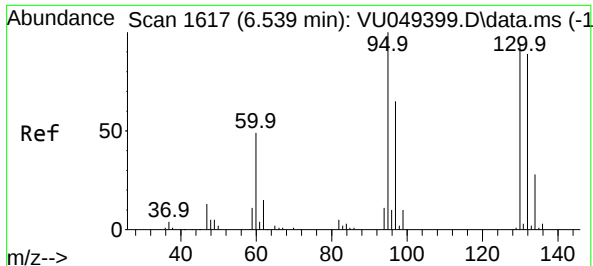
Ion Ratio Lower Upper

83 100

55 0.0 55.3 82.9#

98 219.9 37.3 55.9#

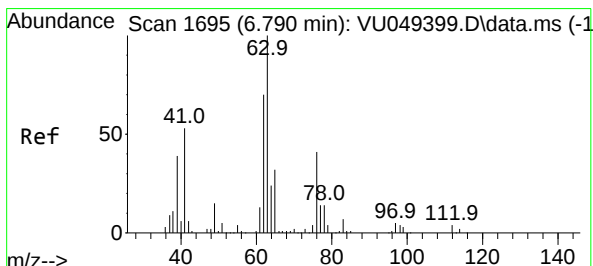
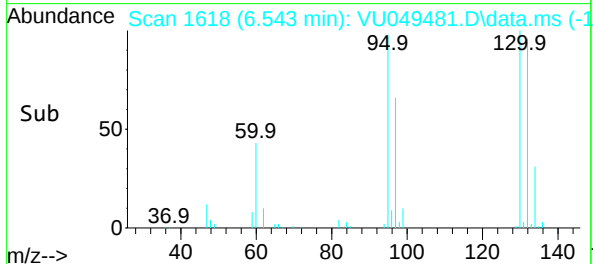
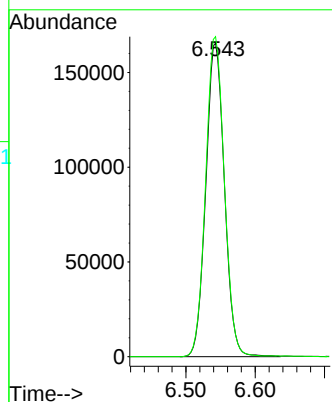
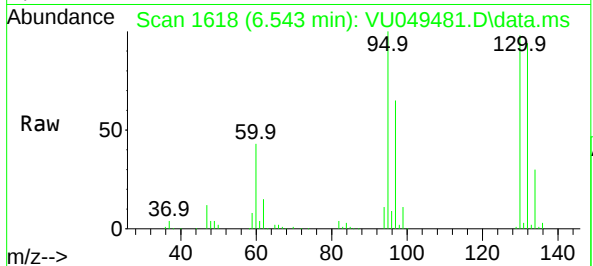




#44
Trichloroethene
Concen: 78.656 ug/l
RT: 6.543 min Scan# 1618
Delta R.T. 0.004 min
Lab File: VU049481.D
Acq: 29 Jun 2022 00:37

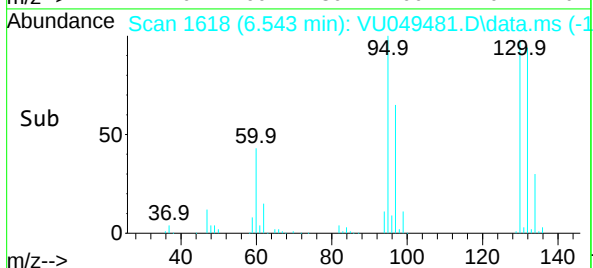
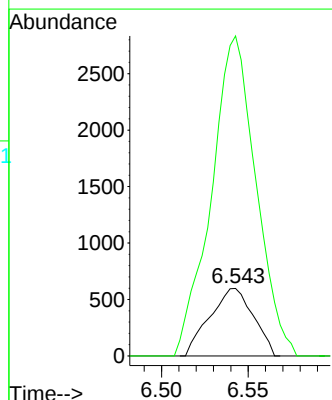
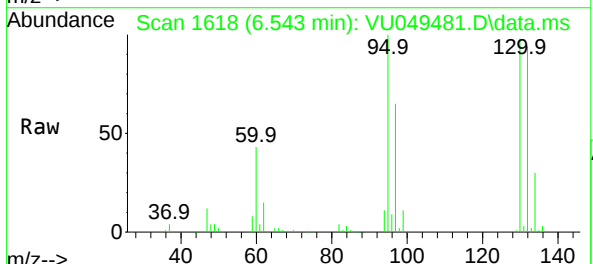
Instrument :
MSVOA_U
ClientSampleId :
RE115D2-20220620

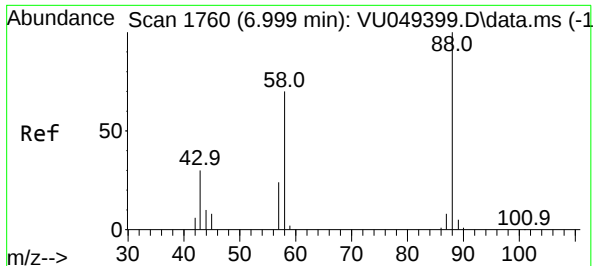
Tgt Ion:130 Resp: 308126
Ion Ratio Lower Upper
130 100
95 102.0 0.0 184.6



#45
1,2-Dichloropropane
Concen: 0.230 ug/l
RT: 6.543 min Scan# 1618
Delta R.T. -0.247 min
Lab File: VU049481.D
Acq: 29 Jun 2022 00:37

Tgt Ion: 63 Resp: 1049
Ion Ratio Lower Upper
63 100
65 450.5 25.0 37.4#





#49

1,4-Dioxane

Concen: 1.898 ug/l

RT: 6.996 min Scan# 1759

Delta R.T. -0.003 min

Lab File: VU049481.D

Acq: 29 Jun 2022 00:37

Instrument :

MSVOA_U

ClientSampleId :

RE115D2-20220620

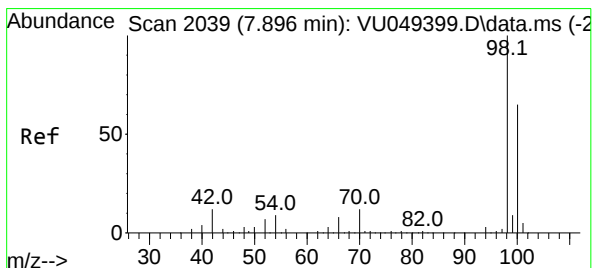
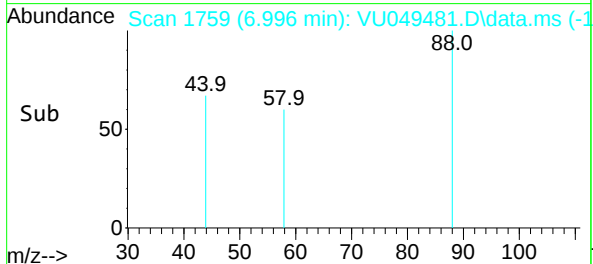
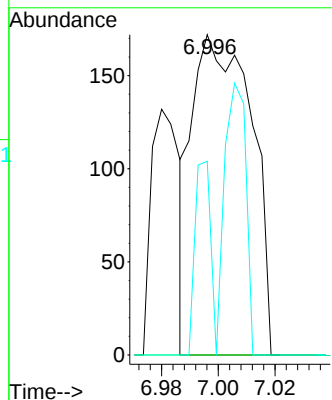
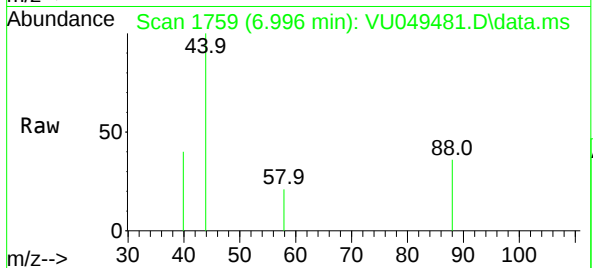
Tgt Ion: 88 Resp: 249

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 16.1 15.4 23.0



#50

Toluene-d8

Concen: 47.661 ug/l

RT: 7.896 min Scan# 2039

Delta R.T. 0.000 min

Lab File: VU049481.D

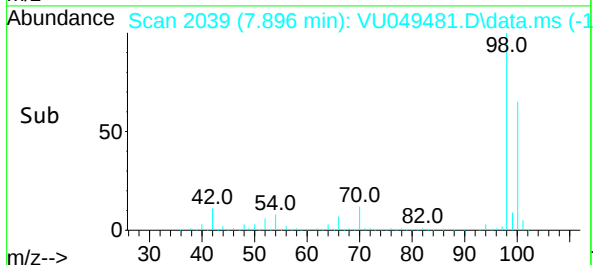
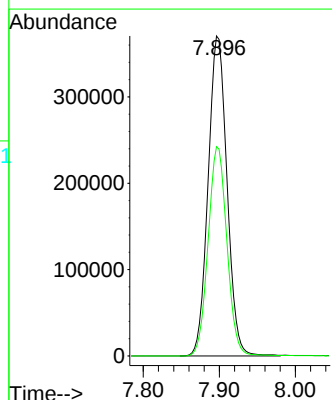
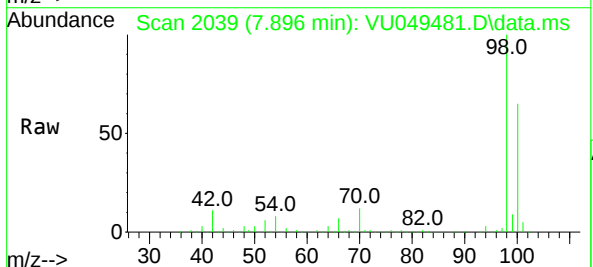
Acq: 29 Jun 2022 00:37

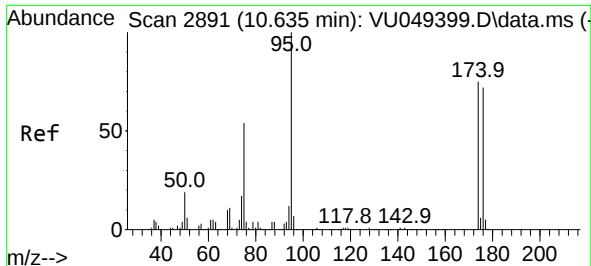
Tgt Ion: 98 Resp: 639898

Ion Ratio Lower Upper

98 100

100 65.1 51.7 77.5

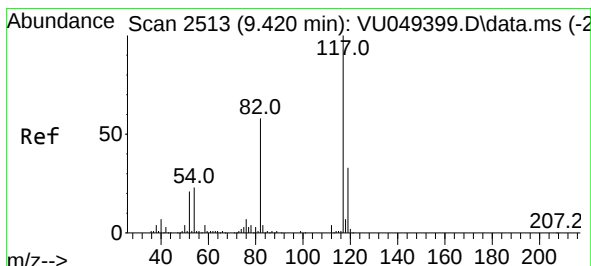
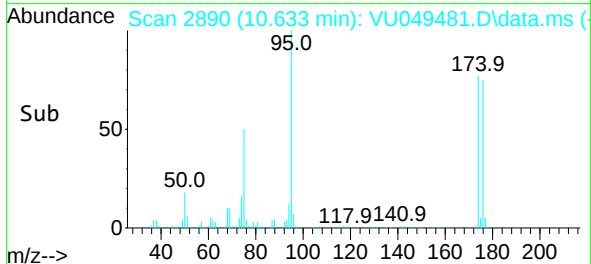
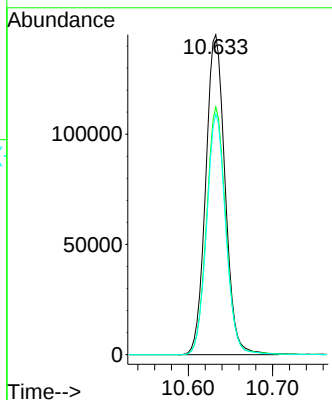
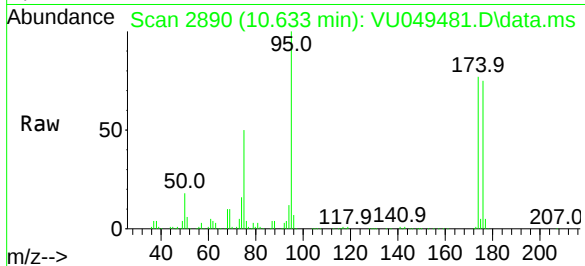




#62
4-Bromofluorobenzene
Concen: 45.093 ug/l
RT: 10.633 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049481.D
Acq: 29 Jun 2022 00:37

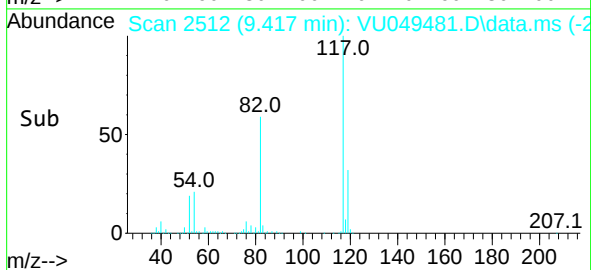
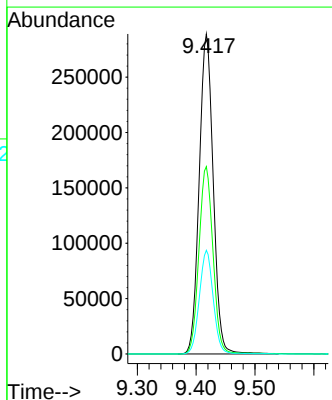
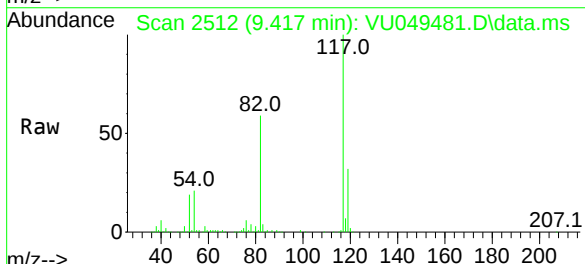
Instrument :
MSVOA_U
ClientSampleId :
RE115D2-20220620

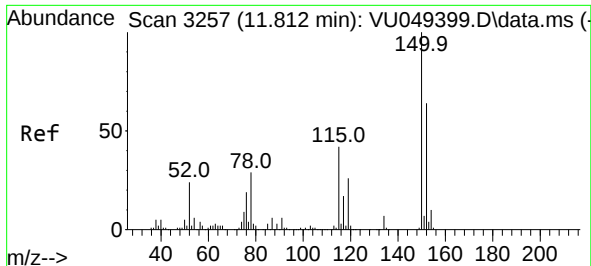
Tgt Ion: 95 Resp: 231916
Ion Ratio Lower Upper
95 100
174 77.0 0.0 182.0
176 74.4 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049481.D
Acq: 29 Jun 2022 00:37

Tgt Ion: 117 Resp: 478979
Ion Ratio Lower Upper
117 100
82 58.6 41.7 62.5
119 32.4 25.7 38.5

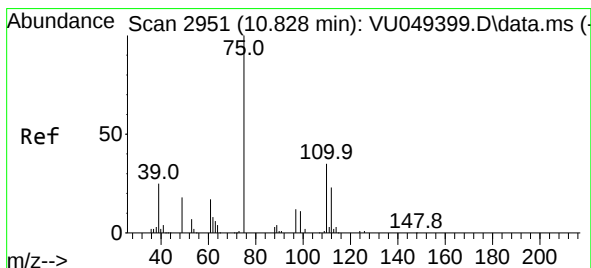
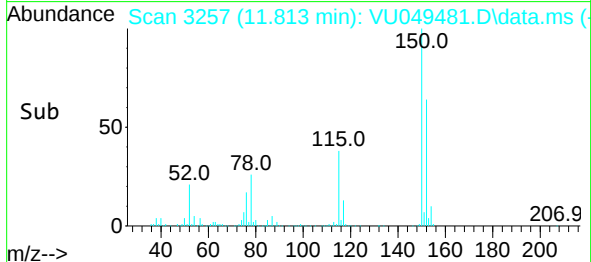
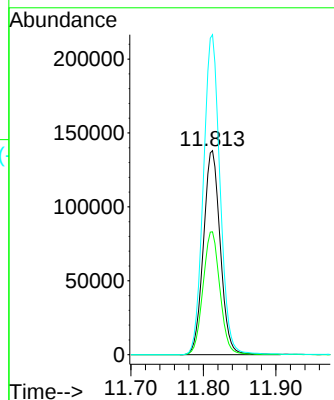
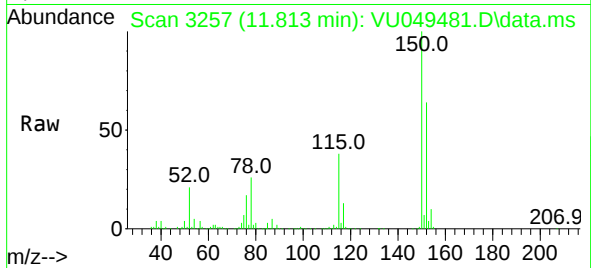




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.813 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049481.D
Acq: 29 Jun 2022 00:37

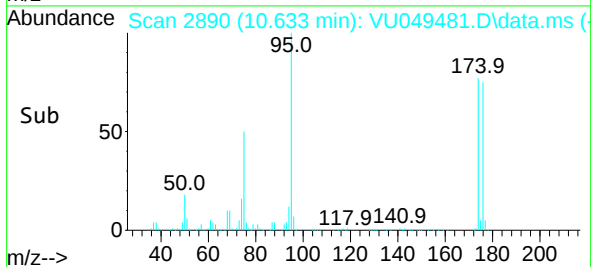
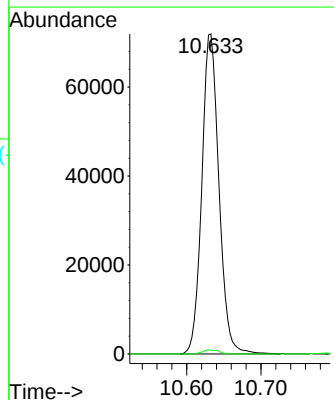
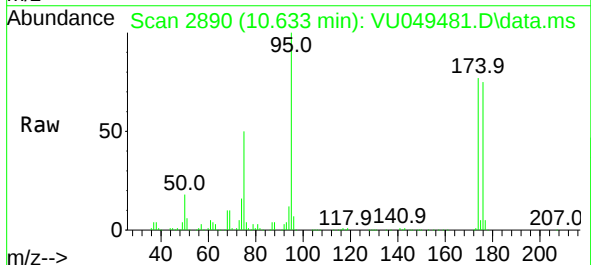
Instrument :
MSVOA_U
ClientSampleId :
RE115D2-20220620

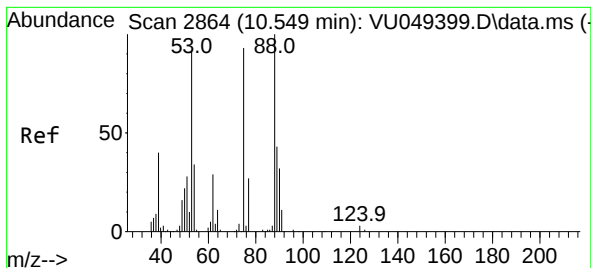
Tgt Ion:152 Resp: 222623
Ion Ratio Lower Upper
152 100
115 60.4 37.0 110.9
150 155.2 0.0 342.2



#76
1,2,3-Trichloropropane
Concen: 15.272 ug/l
RT: 10.633 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049481.D
Acq: 29 Jun 2022 00:37

Tgt Ion: 75 Resp: 115255
Ion Ratio Lower Upper
75 100
77 1.2 15.8 47.3#

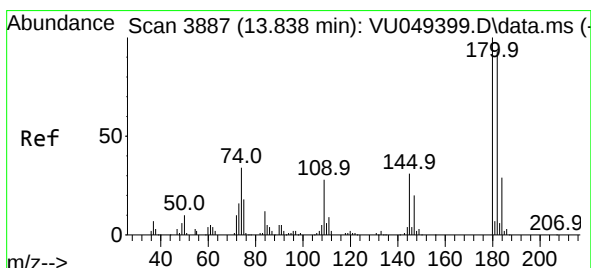
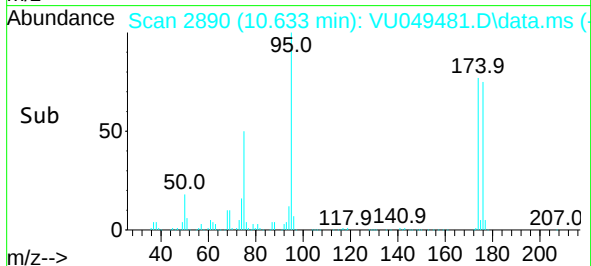
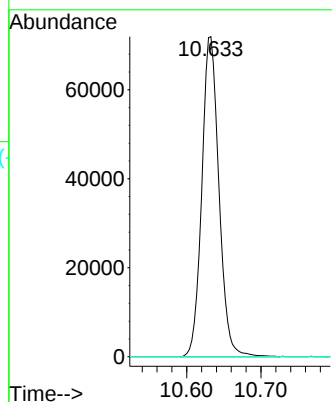
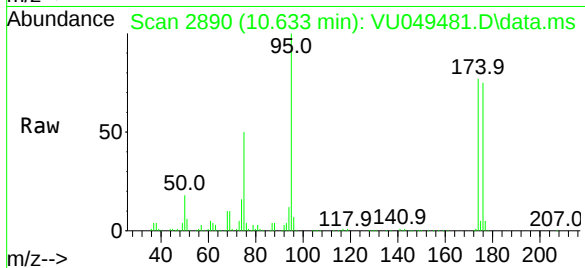




#81
trans-1,4-Dichloro-2-butene
Concen: 56.398 ug/l
RT: 10.633 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049481.D
Acq: 29 Jun 2022 00:37

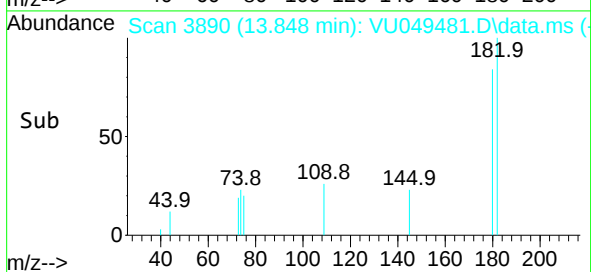
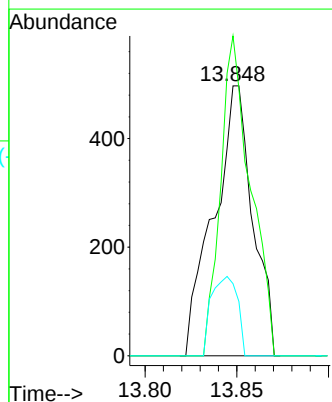
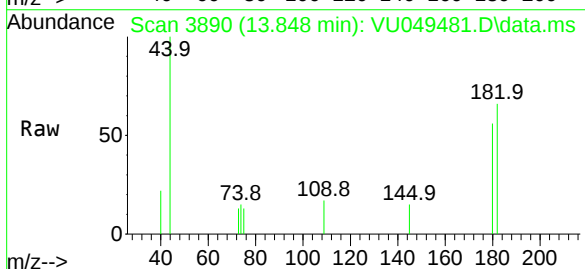
Instrument :
MSVOA_U
ClientSampleId :
RE115D2-20220620

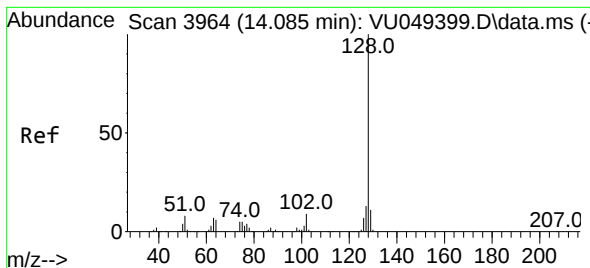
Tgt Ion: 75 Resp: 115255
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.896 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.010 min
Lab File: VU049481.D
Acq: 29 Jun 2022 00:37

Tgt Ion: 180 Resp: 734
Ion Ratio Lower Upper
180 100
182 91.0 47.9 143.6
145 19.6 14.0 41.9





#95

Naphthalene

Concen: 1.944 ug/l

RT: 14.095 min Scan# 3967

Delta R.T. 0.010 min

Lab File: VU049481.D

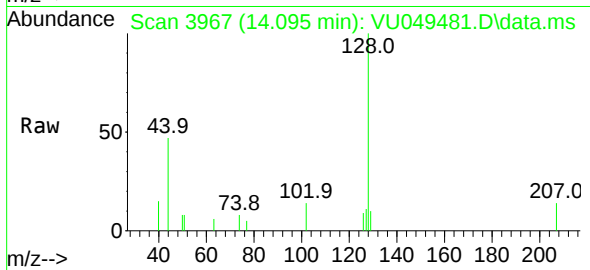
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Instrument :

MSVOA_U

ClientSampleId :

RE115D2-20220620



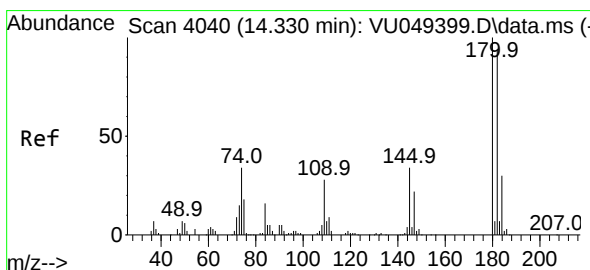
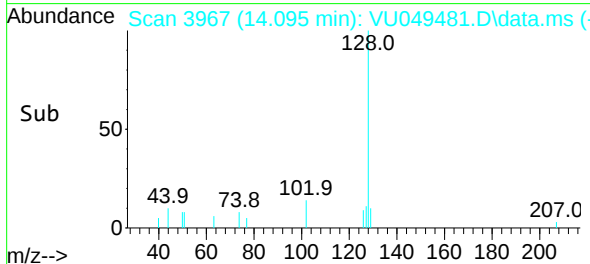
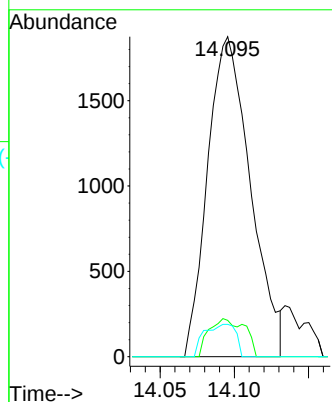
Tgt Ion:128 Resp: 3756

Ion Ratio Lower Upper

128 100

127 9.9 10.3 15.5#

129 7.4 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.313 ug/l

RT: 14.333 min Scan# 4041

Delta R.T. 0.004 min

Lab File: VU049481.D

Acq: 29 Jun 2022 00:37

Tgt Ion:180 Resp: 716

Ion Ratio Lower Upper

180 100

182 103.5 48.4 145.0

145 36.3 14.8 44.4

