

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062722\
 Data File : VU049428.D
 Acq On : 28 Jun 2022 01:53
 Operator : SY/MD
 Sample : N3386-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE105D1-20220613RE

Quant Time: Jun 28 07:13:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 05:14:22 2022
 Response via : Initial Calibration

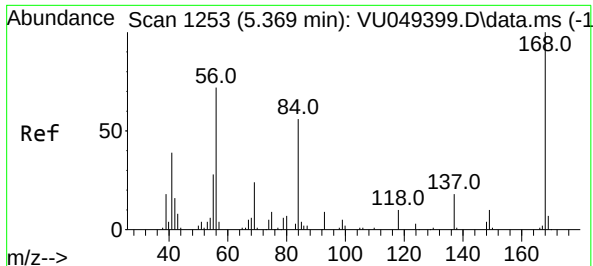
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.372	168	309836	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	532597	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	473133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	212985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	202082	42.350	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.700%
35) Dibromofluoromethane	5.288	113	164324	44.100	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.200%
50) Toluene-d8	7.899	98	628929	47.322	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.640%
62) 4-Bromofluorobenzene	10.632	95	227218	44.631	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.260%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	1234	0.248	ug/l	90
5) Bromomethane	1.851	94	519	0.333	ug/l	97
6) Chloroethane	1.903	64	100	1.957	ug/l	# 44
9) 1,1,2-Trichlorotrifluo...	2.581	101	12260	3.567	ug/l	97
10) Methyl Iodide	2.719	142	68	7.530	ug/l	# 43
11) Tert butyl alcohol	3.182	59	662	0.593	ug/l	# 37
12) 1,1-Dichloroethene	2.578	96	1784	0.530	ug/l	# 89
16) Acetone	2.636	43	3400	1.413	ug/l	89
20) Methylene Chloride	3.044	84	472	Below Cal	#	83
27) cis-1,2-Dichloroethene	4.671	96	3621	0.864	ug/l	91
31) Cyclohexane	5.372	56	6333	0.884	ug/l	# 1
32) 1,1,1-Trichloroethane	5.317	97	1818	0.284	ug/l	# 50
36) 1,1-Dichloropropene	5.372	75	25192	4.663	ug/l	# 49
38) Carbon Tetrachloride	5.372	117	30871	5.448	ug/l	# 15
39) Methylcyclohexane	6.539	83	3495	0.540	ug/l	# 1
44) Trichloroethene	6.542	130	287744	74.204	ug/l	86
45) 1,2-Dichloropropane	6.536	63	943	0.209	ug/l	# 1
49) 1,4-Dioxane	6.986	88	1611	12.403	ug/l	# 49
64) Tetrachloroethene	8.555	164	677	0.223	ug/l	# 77
76) 1,2,3-Trichloropropane	10.632	75	114667	15.882	ug/l	# 45
81) trans-1,4-Dichloro-2-b...	10.632	75	114667	58.650	ug/l	# 15
93) 1,2,4-Trichlorobenzene	13.844	180	297	1.814	ug/l	# 79
95) Naphthalene	14.095	128	1511	1.823	ug/l	# 73
96) 1,2,3-Trichlorobenzene	14.336	180	345	1.246	ug/l	# 76

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

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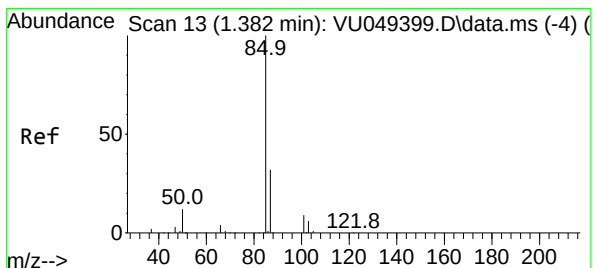
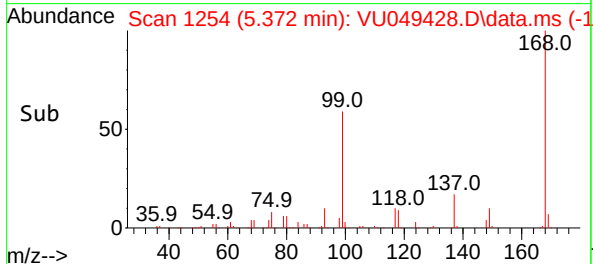
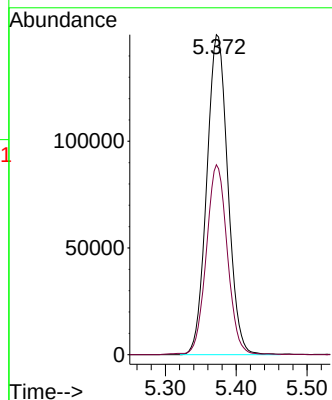
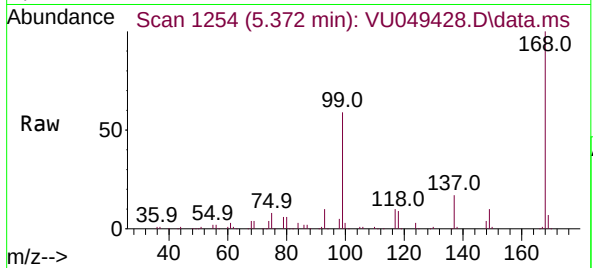




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049428.D
Acq: 28 Jun 2022 01:53

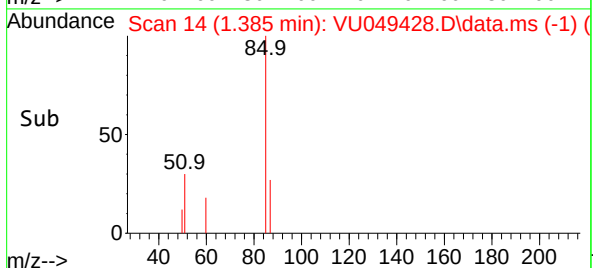
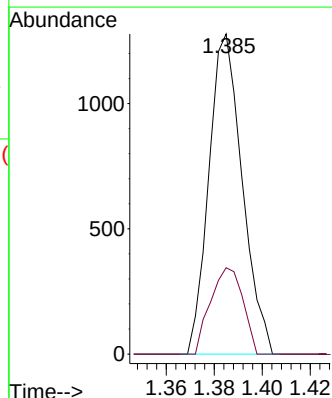
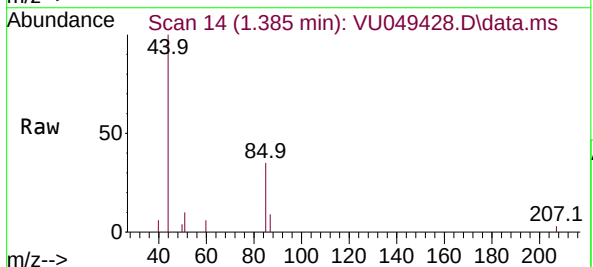
Instrument :
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ClientSampleId :
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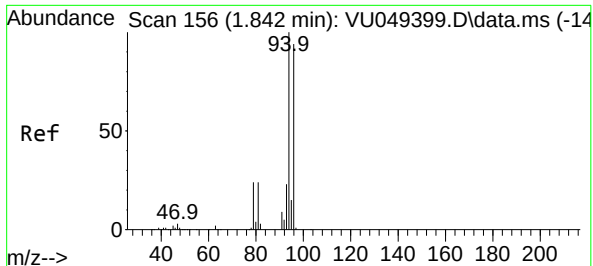
Tgt Ion:168 Resp: 309836
Ion Ratio Lower Upper
168 100
99 59.2 39.3 58.9#



#2
Dichlorodifluoromethane
Concen: 0.248 ug/l
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU049428.D
Acq: 28 Jun 2022 01:53

Tgt Ion: 85 Resp: 1234
Ion Ratio Lower Upper
85 100
87 27.0 16.4 49.2

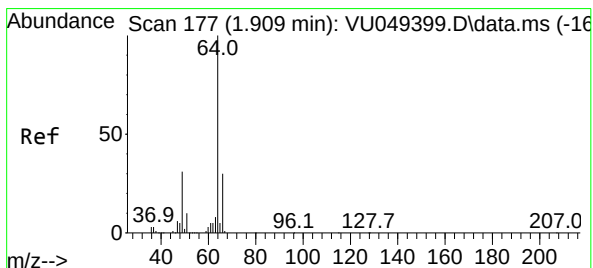
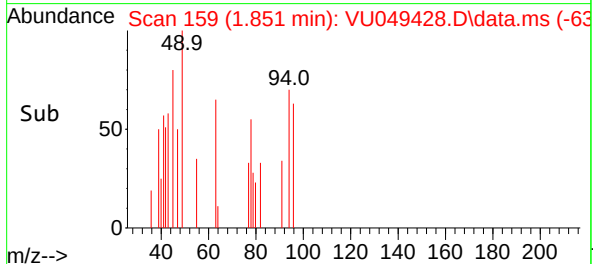
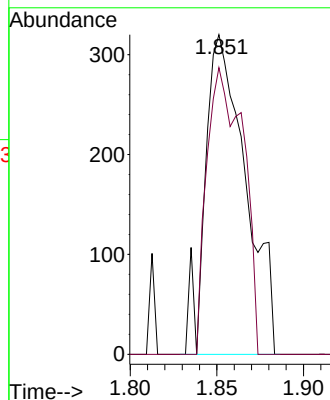
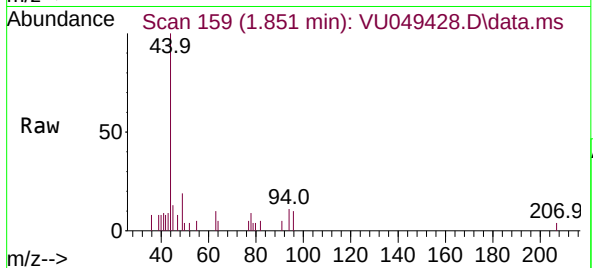




#5
Bromomethane
Concen: 0.333 ug/l
RT: 1.851 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU049428.D
Acq: 28 Jun 2022 01:53

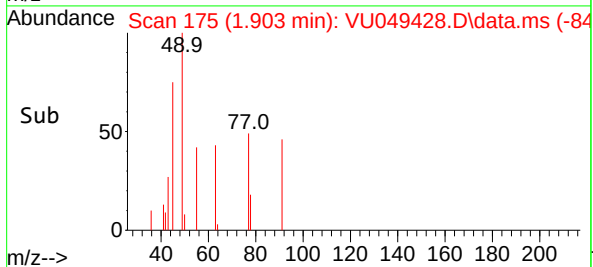
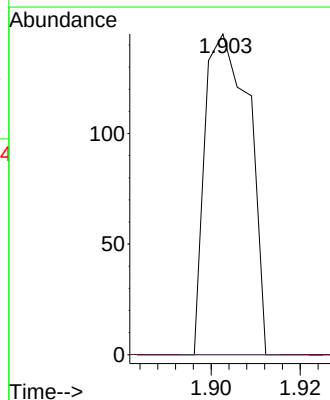
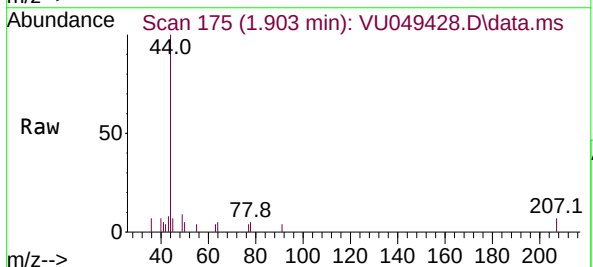
Instrument :
MSVOA_U
ClientSampleId :
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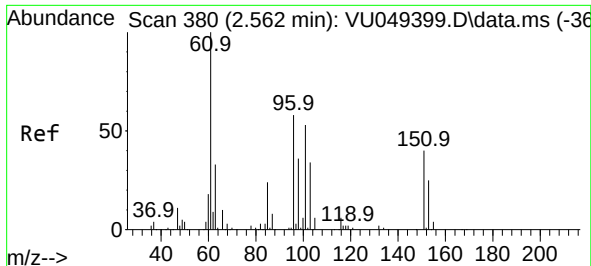
Tgt Ion: 94 Resp: 519
Ion Ratio Lower Upper
94 100
96 89.7 73.7 110.5



#6
Chloroethane
Concen: 1.957 ug/l
RT: 1.903 min Scan# 175
Delta R.T. -0.006 min
Lab File: VU049428.D
Acq: 28 Jun 2022 01:53

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

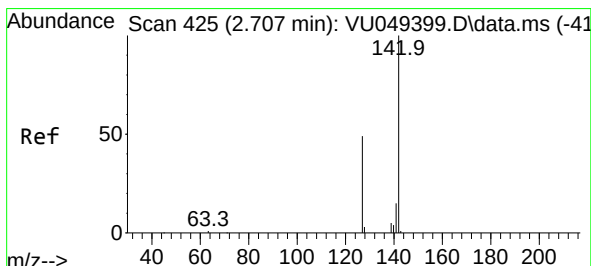
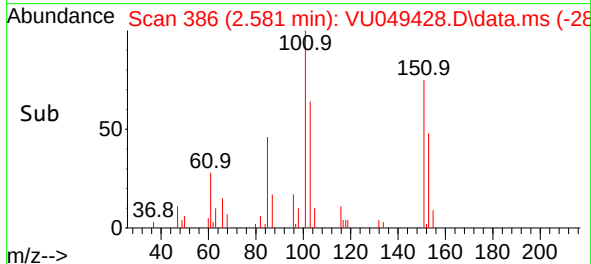
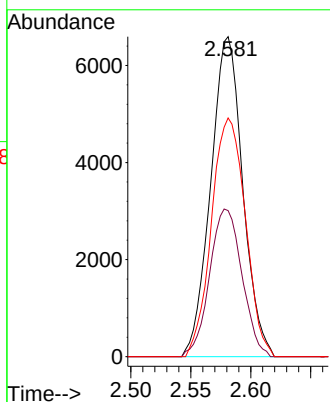
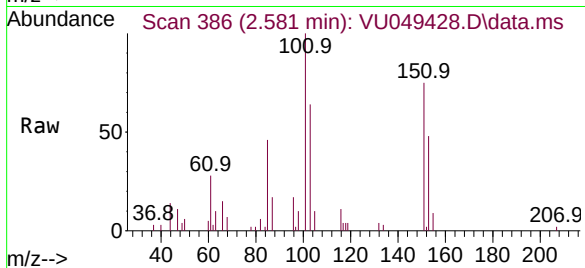




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.567 ug/l
RT: 2.581 min Scan# 380
Delta R.T. 0.019 min
Lab File: VU049428.D
Acq: 28 Jun 2022 01:53

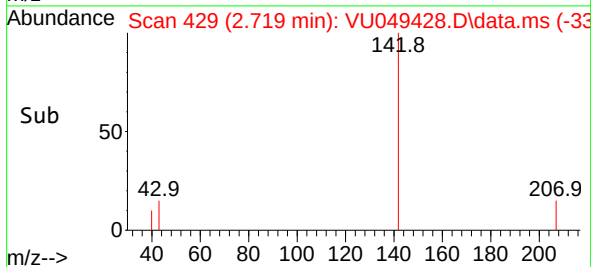
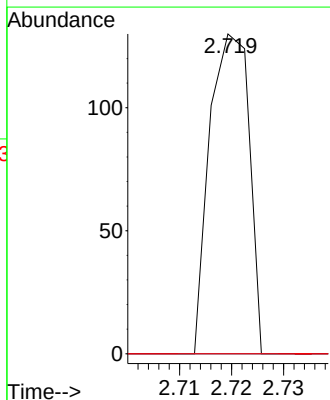
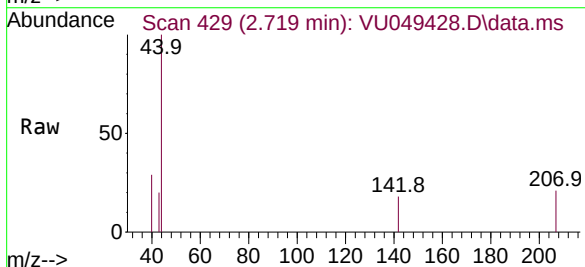
Instrument :
MSVOA_U
ClientSampleId :
RE105D1-20220613RE

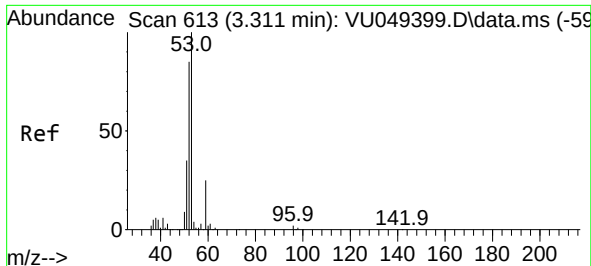
Tgt Ion:101 Resp: 12260
Ion Ratio Lower Upper
101 100
85 46.6 33.9 50.9
151 78.9 64.0 96.0



#10
Methyl Iodide
Concen: 7.530 ug/l
RT: 2.719 min Scan# 429
Delta R.T. 0.013 min
Lab File: VU049428.D
Acq: 28 Jun 2022 01:53

Tgt Ion:142 Resp: 68
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: 0.593 ug/l

RT: 3.182 min Scan# 51

Delta R.T. -0.129 min

Lab File: VU049428.D

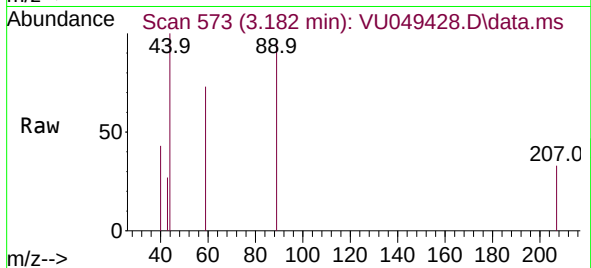
Acq: 28 Jun 2022 01:53

Instrument :

MSVOA_U

ClientSampleId :

RE105D1-20220613RE

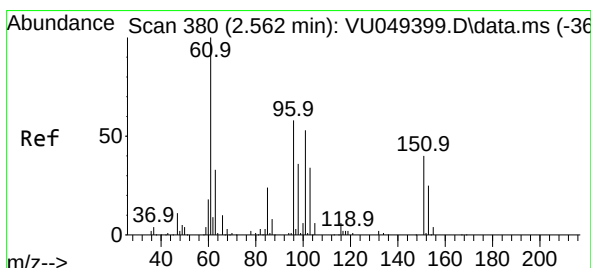
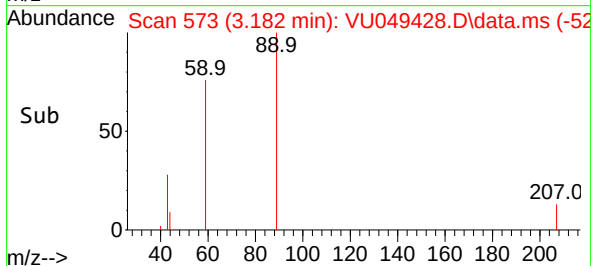
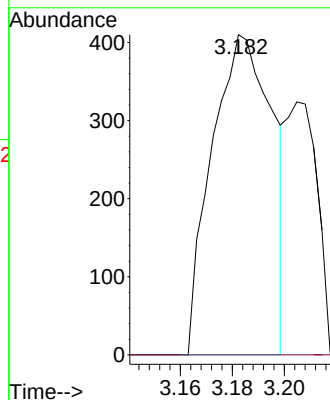


Tgt Ion: 59 Resp: 662

Ion Ratio Lower Upper

59 100

57 0.0 30.6 45.8#



#12

1,1-Dichloroethene

Concen: 0.530 ug/l

RT: 2.578 min Scan# 385

Delta R.T. 0.016 min

Lab File: VU049428.D

Acq: 28 Jun 2022 01:53

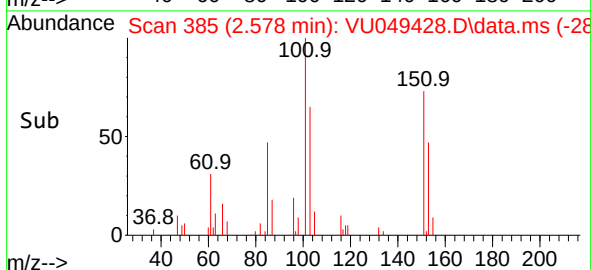
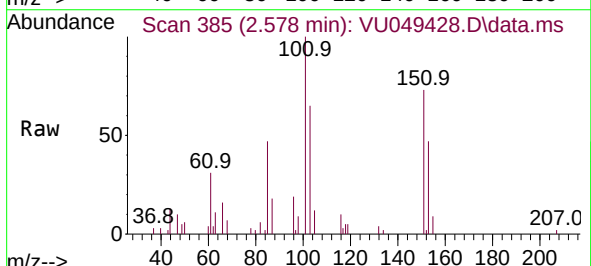
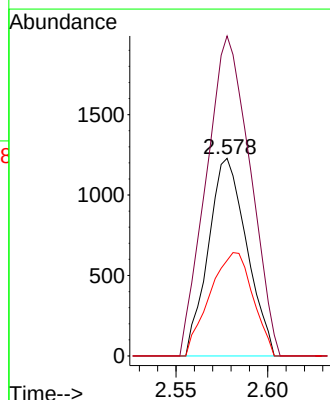
Tgt Ion: 96 Resp: 1784

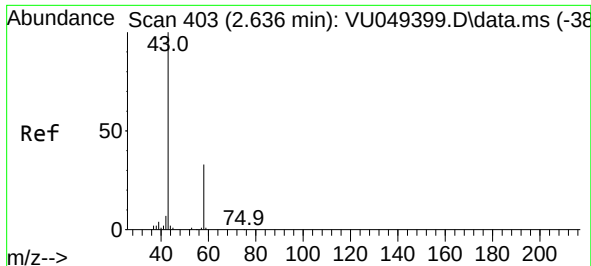
Ion Ratio Lower Upper

96 100

61 162.0 122.2 183.2

98 48.4 50.7 76.1#





#16

Acetone

Concen: 1.413 ug/l

RT: 2.636 min Scan# 403

Delta R.T. -0.000 min

Lab File: VU049428.D

Acq: 28 Jun 2022 01:53

Instrument :

MSVOA_U

ClientSampleId :

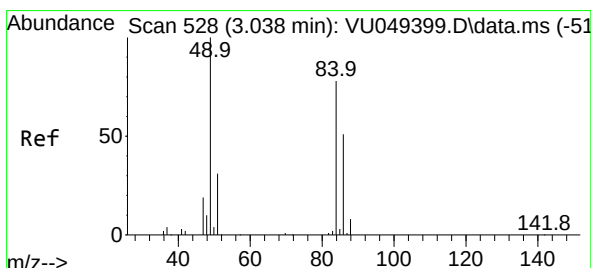
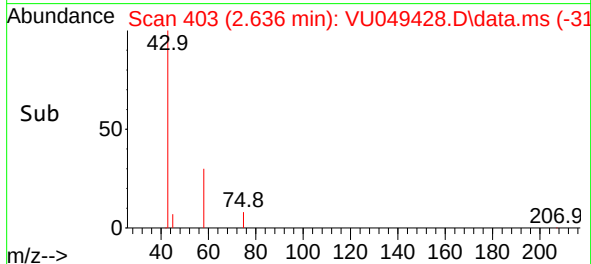
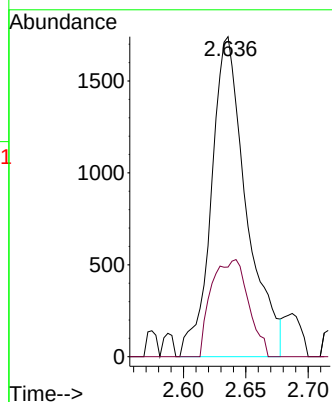
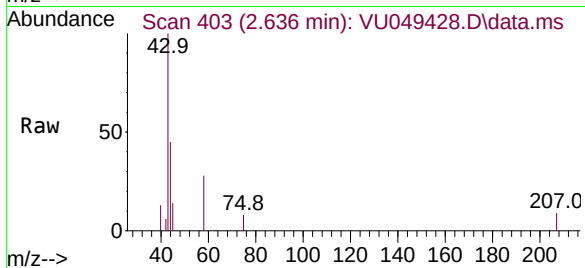
RE105D1-20220613RE

Tgt Ion: 43 Resp: 3400

Ion Ratio Lower Upper

43 100

58 28.0 27.5 41.3



#20

Methylene Chloride

Concen: Below Cal

RT: 3.044 min Scan# 530

Delta R.T. 0.006 min

Lab File: VU049428.D

Acq: 28 Jun 2022 01:53

Tgt Ion: 84 Resp: 472

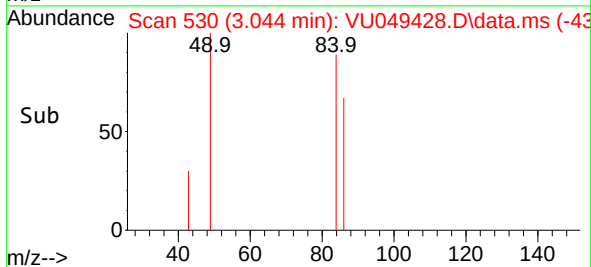
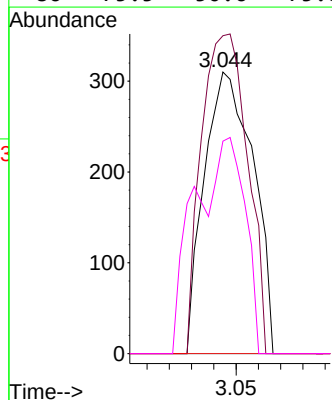
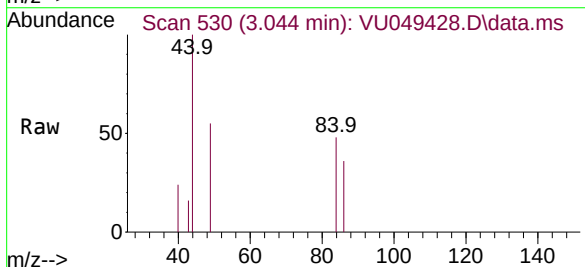
Ion Ratio Lower Upper

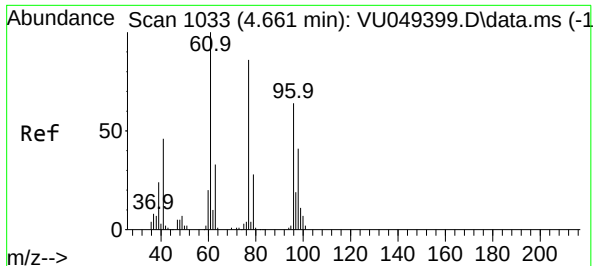
84 100

49 112.9 86.6 129.8

51 0.0 26.6 40.0#

86 75.5 50.6 75.8





#27

cis-1,2-Dichloroethene

Concen: 0.864 ug/l

RT: 4.671 min Scan# 1036

Delta R.T. 0.010 min

Lab File: VU049428.D

Acq: 28 Jun 2022 01:53

Instrument :

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ClientSampleId :

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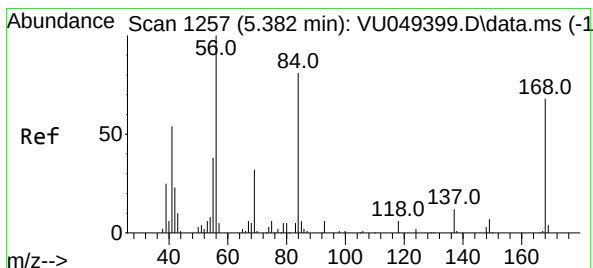
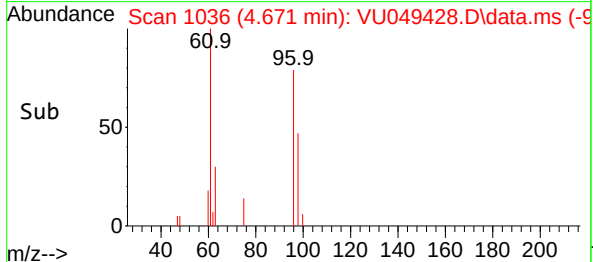
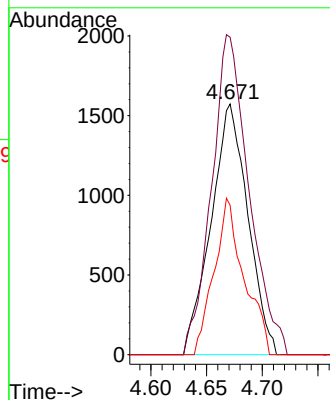
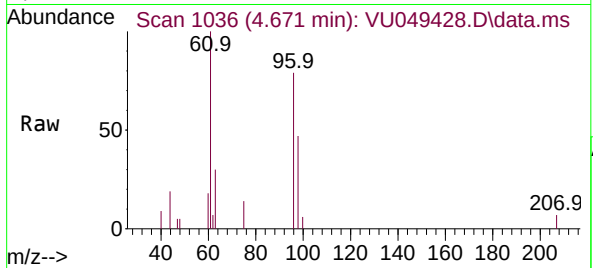
Tgt Ion: 96 Resp: 3621

Ion Ratio Lower Upper

96 100

61 129.6 0.0 271.6

98 50.7 0.0 128.2



#31

Cyclohexane

Concen: 0.884 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.010 min

Lab File: VU049428.D

Acq: 28 Jun 2022 01:53

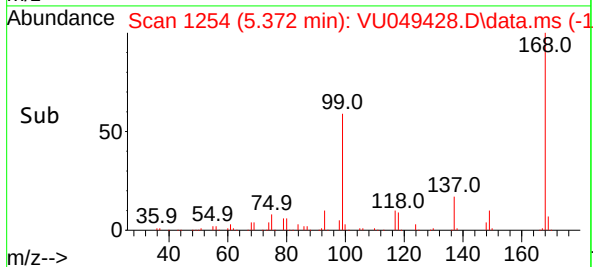
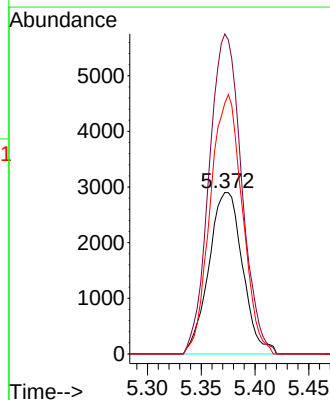
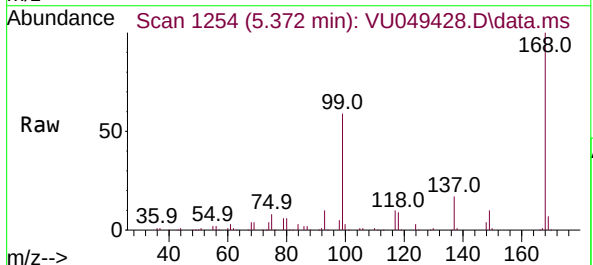
Tgt Ion: 56 Resp: 6333

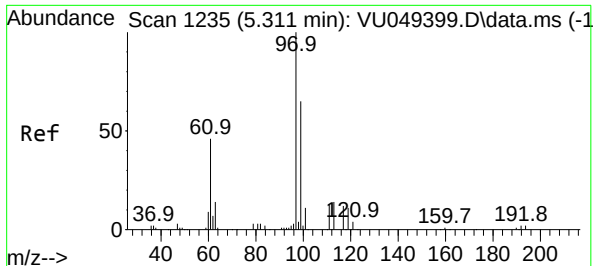
Ion Ratio Lower Upper

56 100

69 198.2 27.8 41.8#

84 155.5 74.2 111.4#





#32

1,1,1-Trichloroethane

Concen: 0.284 ug/l

RT: 5.317 min Scan# 1

Delta R.T. 0.006 min

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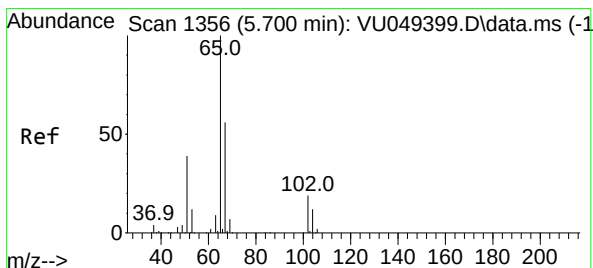
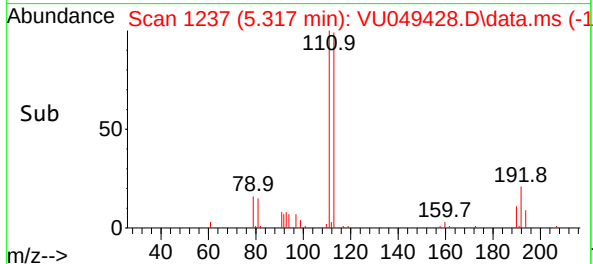
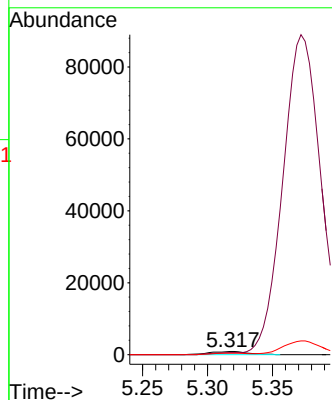
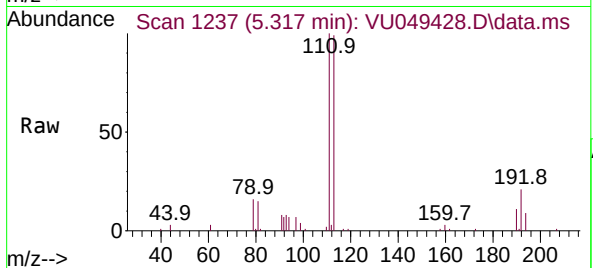
Tgt Ion: 97 Resp: 1818

Ion Ratio Lower Upper

97 100

99 0.0 51.8 77.6#

61 42.5 35.1 52.7



#33

1,2-Dichloroethane-d4

Concen: 42.350 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. 0.003 min

Lab File: VU049428.D

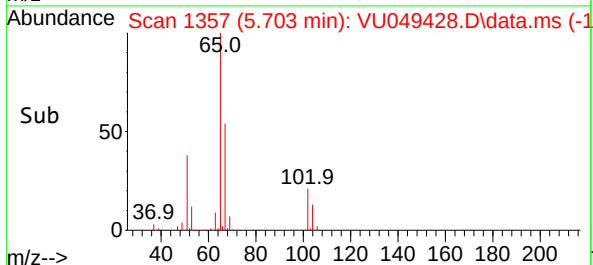
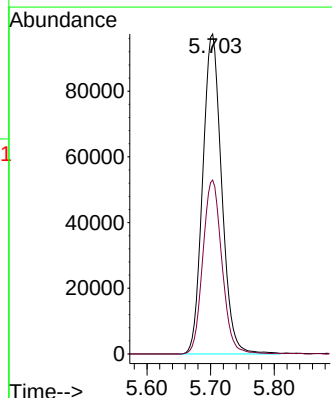
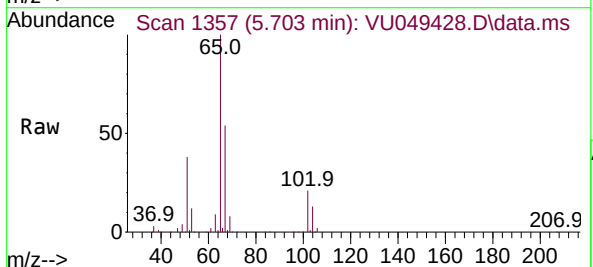
Acq: 28 Jun 2022 01:53

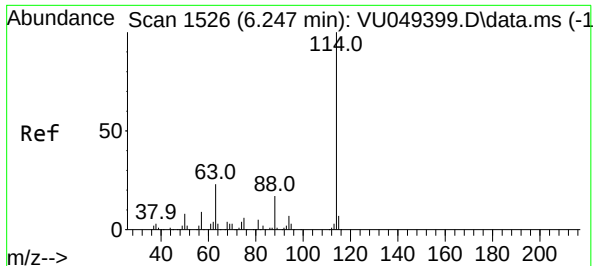
Tgt Ion: 65 Resp: 202082

Ion Ratio Lower Upper

65 100

67 54.6 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: VU049428.D

Acq: 28 Jun 2022 01:53

Instrument :

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ClientSampleId :

RE105D1-20220613RE

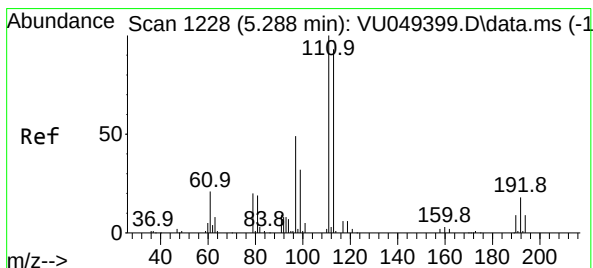
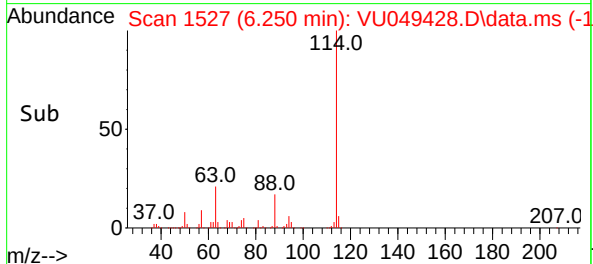
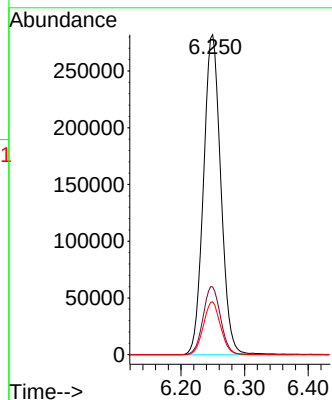
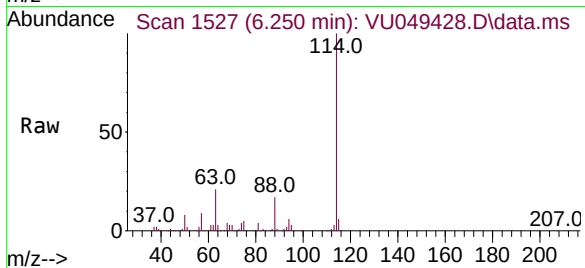
Tgt Ion:114 Resp: 532597

Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.8

88 16.5 0.0 29.2



#35

Dibromofluoromethane

Concen: 44.100 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VU049428.D

Acq: 28 Jun 2022 01:53

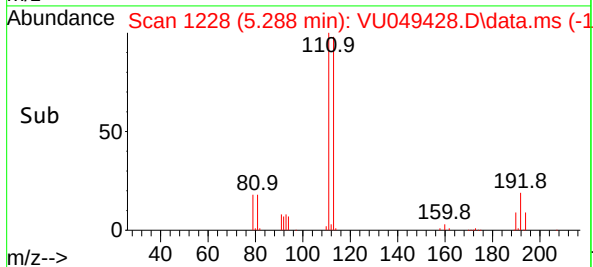
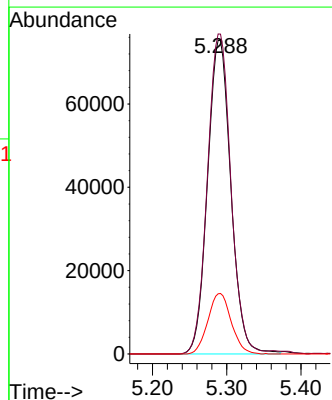
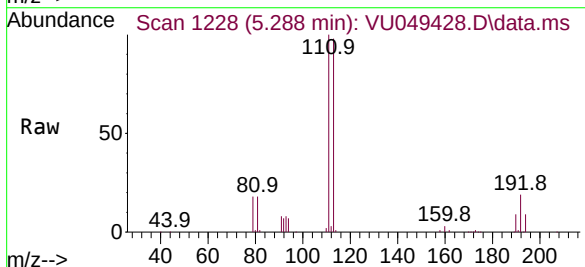
Tgt Ion:113 Resp: 164324

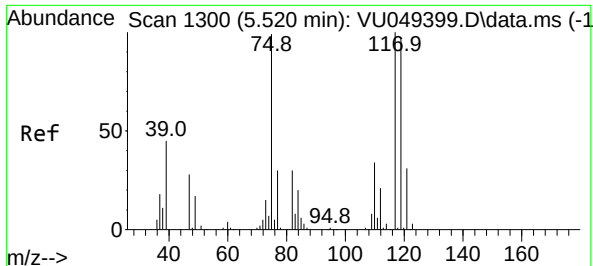
Ion Ratio Lower Upper

113 100

111 102.4 82.1 123.1

192 19.3 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.663 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.148 min

Lab File: VU049428.D

Acq: 28 Jun 2022 01:53

Instrument :

MSVOA_U

ClientSampleId :

RE105D1-20220613RE

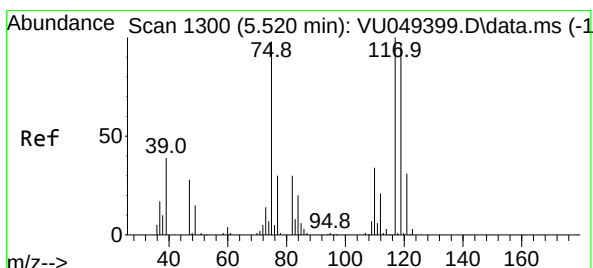
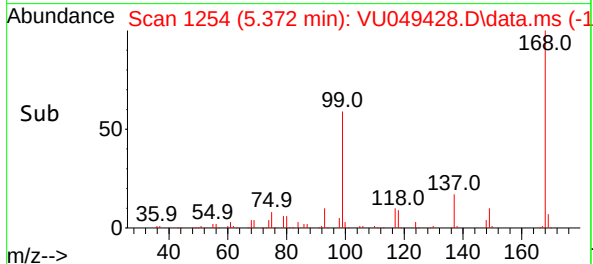
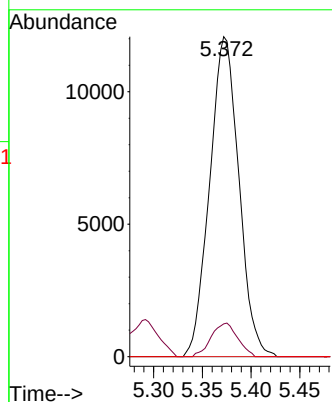
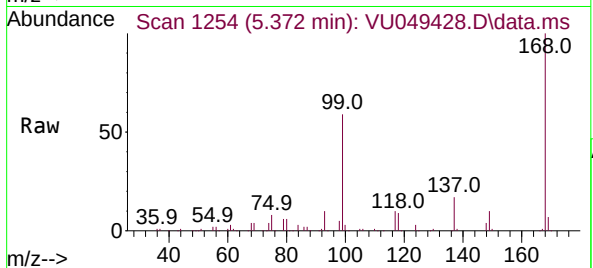
Tgt Ion: 75 Resp: 25192

Ion Ratio Lower Upper

75 100

110 9.5 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.448 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049428.D

Acq: 28 Jun 2022 01:53

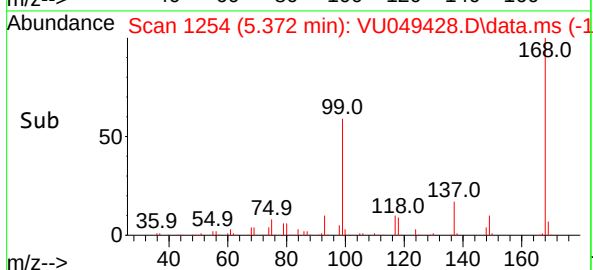
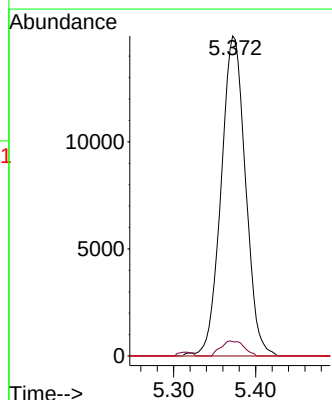
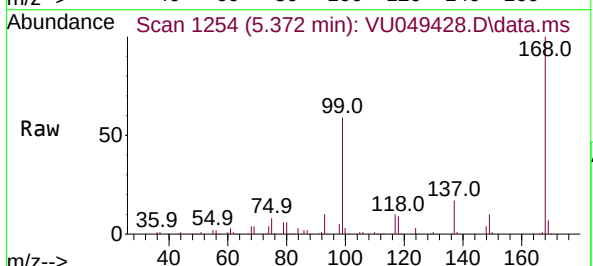
Tgt Ion: 117 Resp: 30871

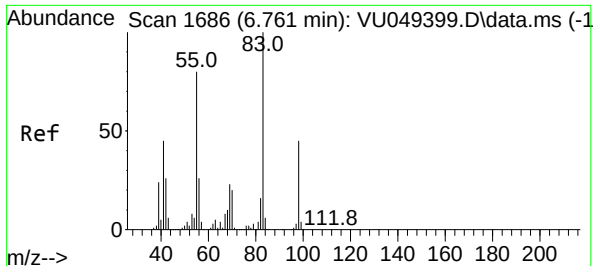
Ion Ratio Lower Upper

117 100

119 4.5 76.8 115.2#

121 0.0 24.7 37.1#





#39

Methylcyclohexane

Concen: 0.540 ug/l

RT: 6.539 min Scan# 1

Delta R.T. -0.222 min

Lab File: VU049428.D

Acq: 28 Jun 2022 01:53

Instrument :

MSVOA_U

ClientSampleId :

RE105D1-20220613RE

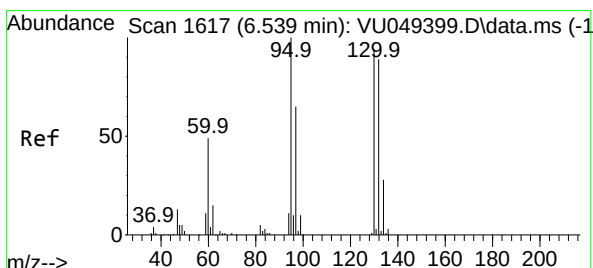
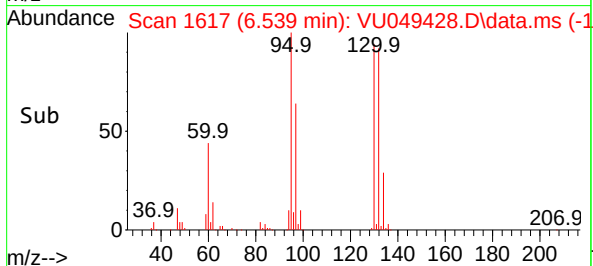
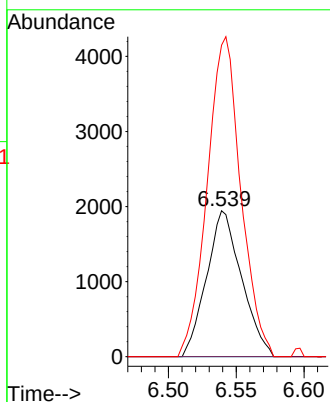
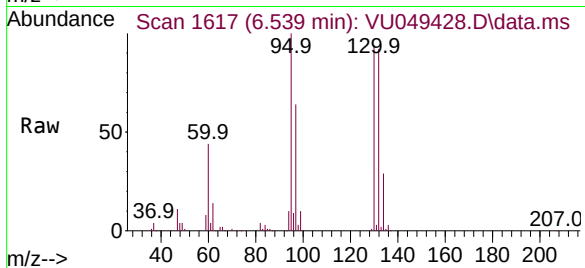
Tgt Ion: 83 Resp: 3495

Ion Ratio Lower Upper

83 100

55 0.0 55.3 82.9#

98 213.5 37.3 55.9#



#44

Trichloroethene

Concen: 74.204 ug/l

RT: 6.542 min Scan# 1618

Delta R.T. 0.003 min

Lab File: VU049428.D

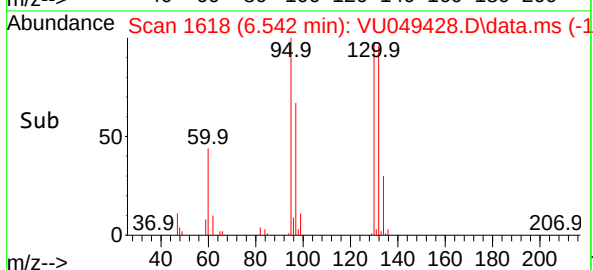
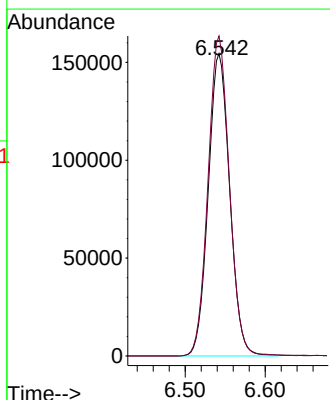
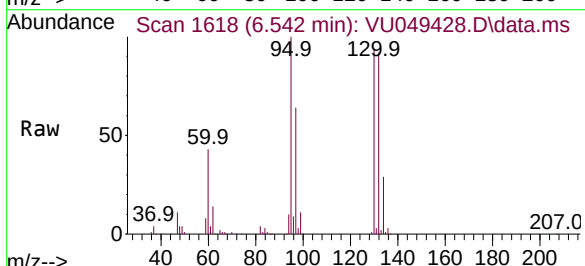
Acq: 28 Jun 2022 01:53

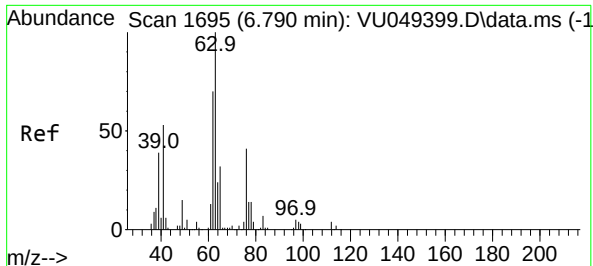
Tgt Ion:130 Resp: 287744

Ion Ratio Lower Upper

130 100

95 105.8 0.0 184.6





#45

1,2-Dichloropropane

Concen: 0.209 ug/l

RT: 6.536 min Scan# 1

Delta R.T. -0.254 min

Lab File: VU049428.D

Acq: 28 Jun 2022 01:53

Instrument :

MSVOA_U

ClientSampleId :

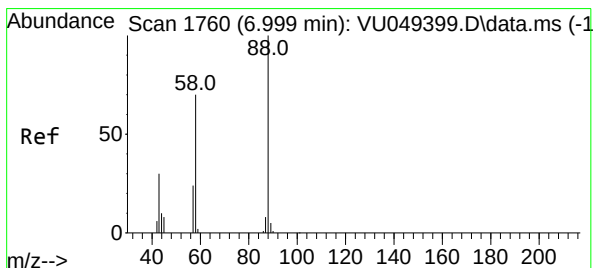
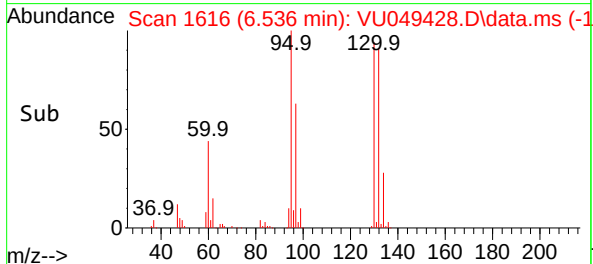
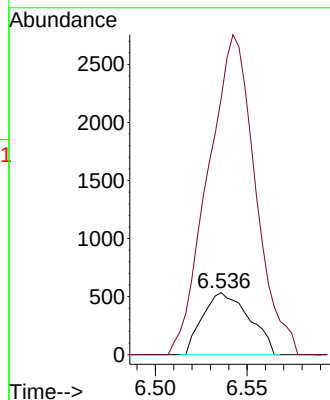
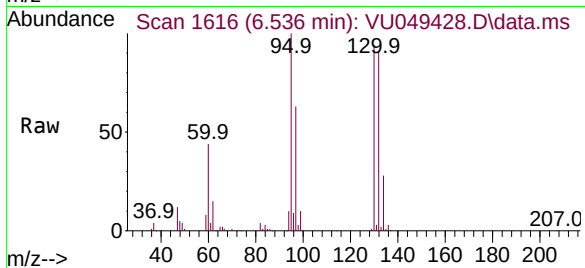
RE105D1-20220613RE

Tgt Ion: 63 Resp: 943

Ion Ratio Lower Upper

63 100

65 377.0 25.0 37.4#



#49

1,4-Dioxane

Concen: 12.403 ug/l

RT: 6.986 min Scan# 1756

Delta R.T. -0.013 min

Lab File: VU049428.D

Acq: 28 Jun 2022 01:53

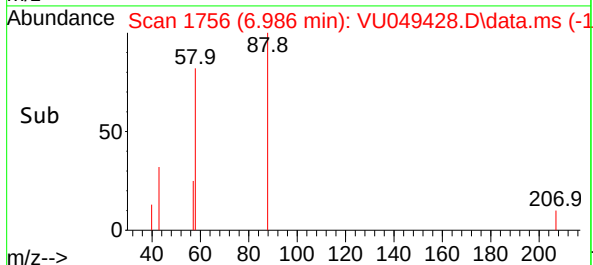
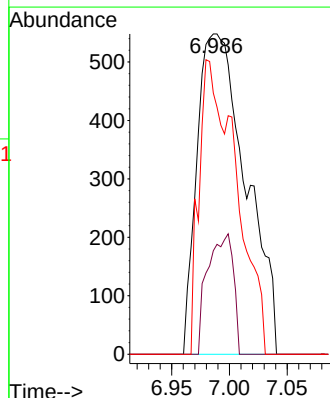
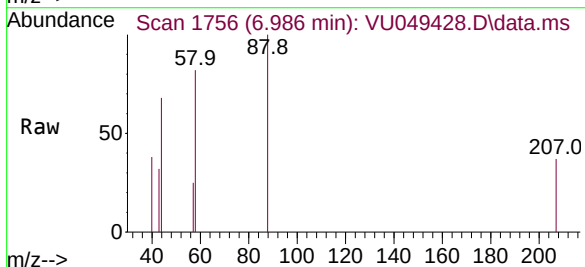
Tgt Ion: 88 Resp: 1611

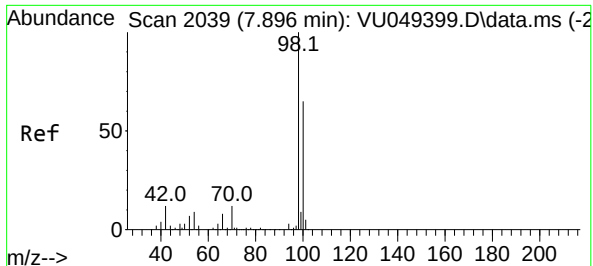
Ion Ratio Lower Upper

88 100

43 19.6 0.0 0.0#

58 42.3 15.4 23.0#

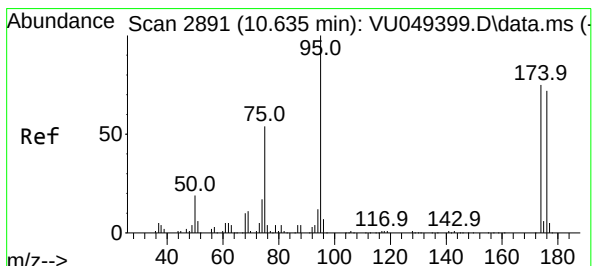
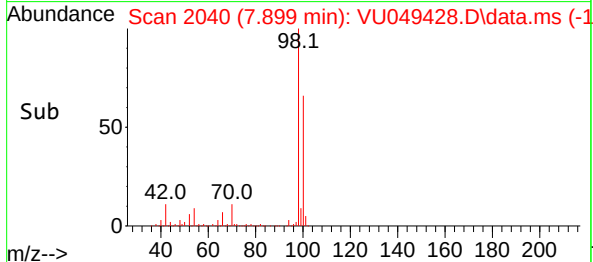
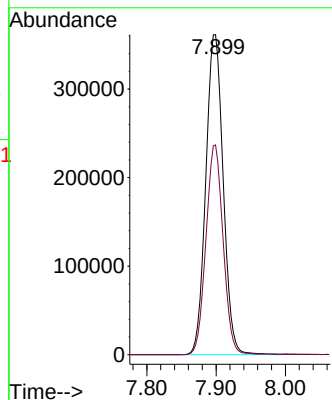
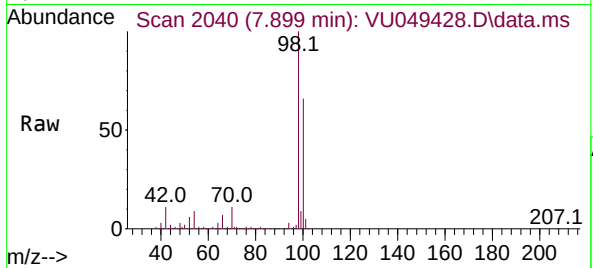




#50
Toluene-d8
Concen: 47.322 ug/l
RT: 7.899 min Scan# 2039
Delta R.T. 0.003 min
Lab File: VU049428.D
Acq: 28 Jun 2022 01:53

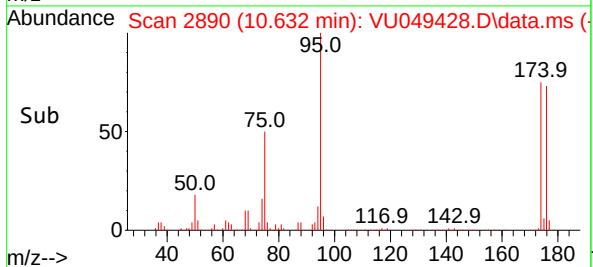
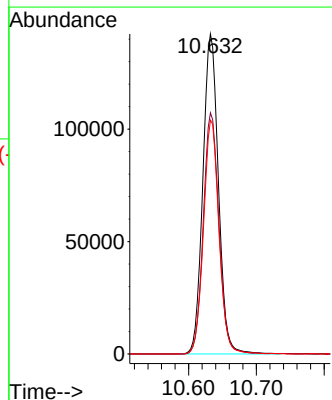
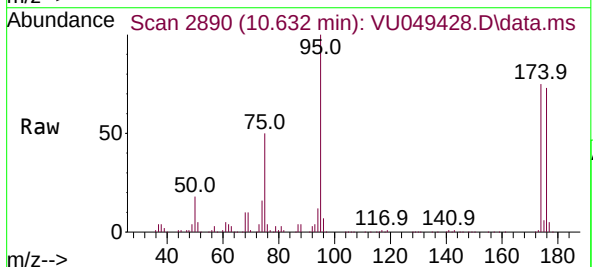
Instrument :
MSVOA_U
ClientSampleId :
RE105D1-20220613RE

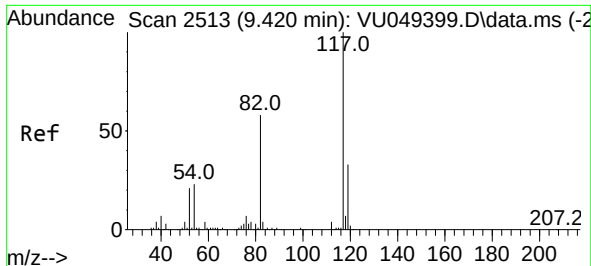
Tgt Ion: 98 Resp: 628929
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 44.631 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049428.D
Acq: 28 Jun 2022 01:53

Tgt Ion: 95 Resp: 227218
Ion Ratio Lower Upper
95 100
174 75.7 0.0 182.0
176 72.6 0.0 177.8

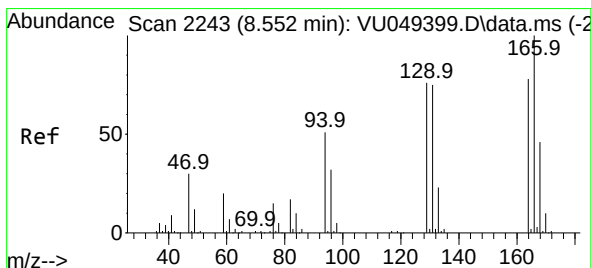
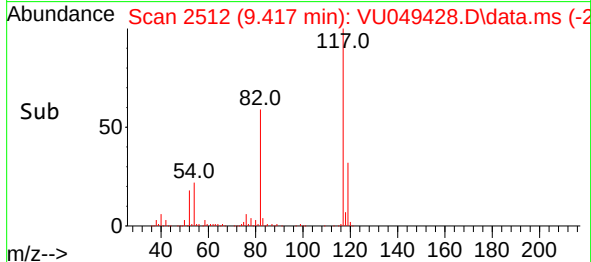
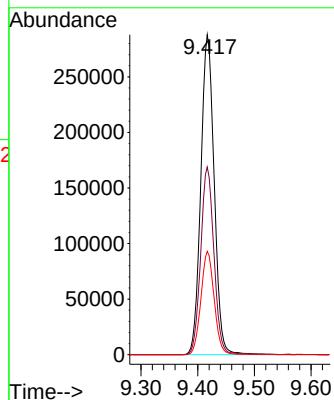
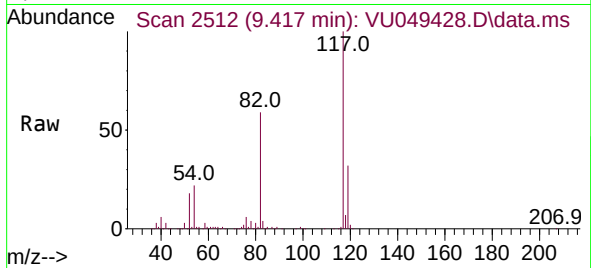




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049428.D
Acq: 28 Jun 2022 01:53

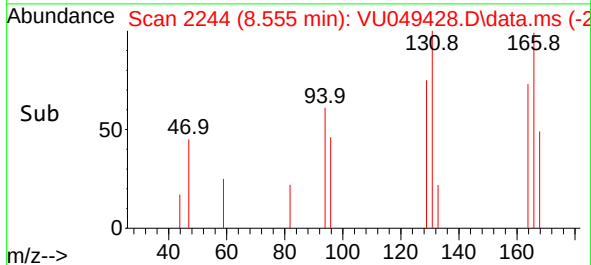
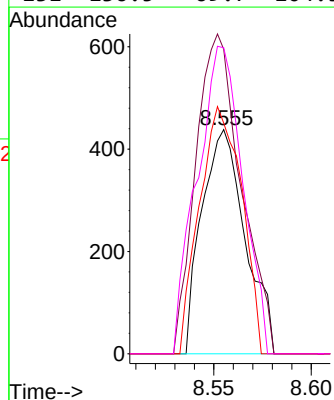
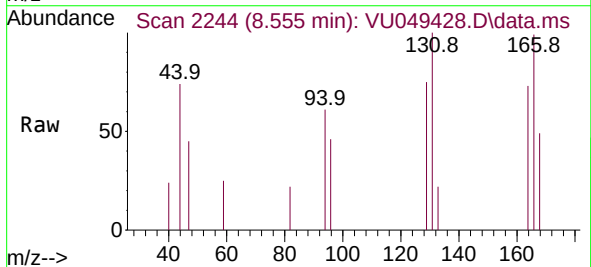
Instrument :
MSVOA_U
ClientSampleId :
RE105D1-20220613RE

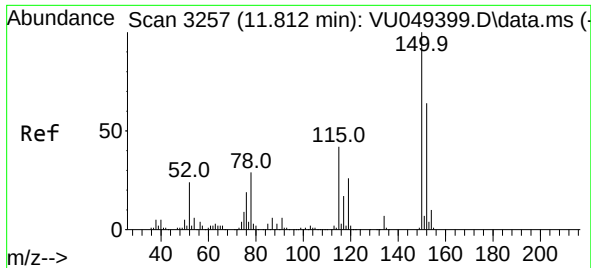
Tgt Ion:117 Resp: 473133
Ion Ratio Lower Upper
117 100
82 58.6 41.7 62.5
119 32.3 25.7 38.5



#64
Tetrachloroethene
Concen: 0.223 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU049428.D
Acq: 28 Jun 2022 01:53

Tgt Ion:164 Resp: 677
Ion Ratio Lower Upper
164 100
166 135.8 100.0 150.0
129 103.0 72.0 108.0
131 136.5 69.7 104.5#

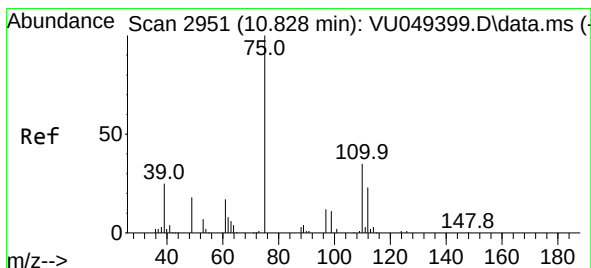
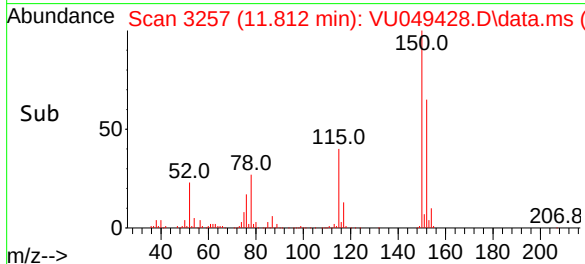
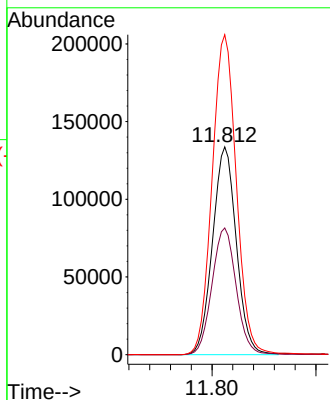
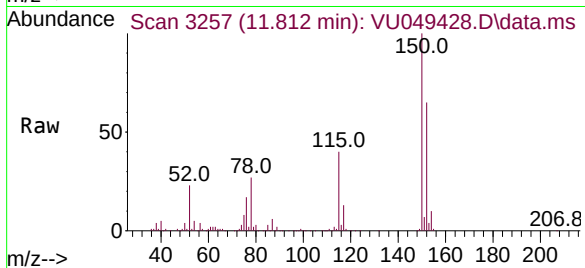




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU049428.D
 Acq: 28 Jun 2022 01:53

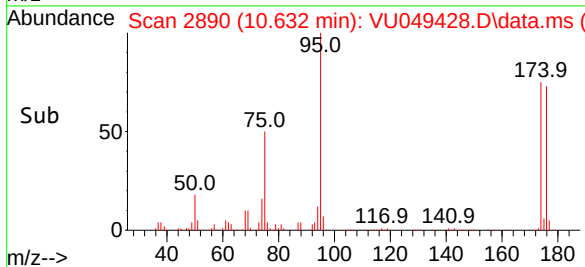
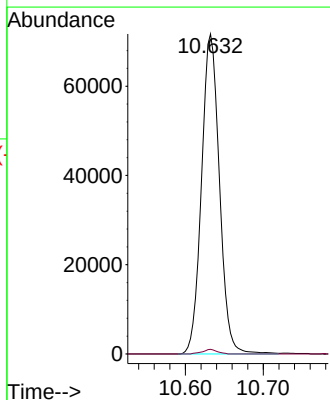
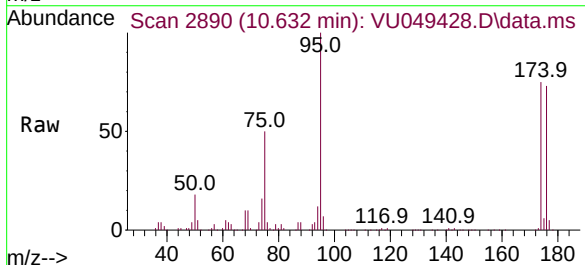
Instrument :
 MSVOA_U
 ClientSampleId :
 RE105D1-20220613RE

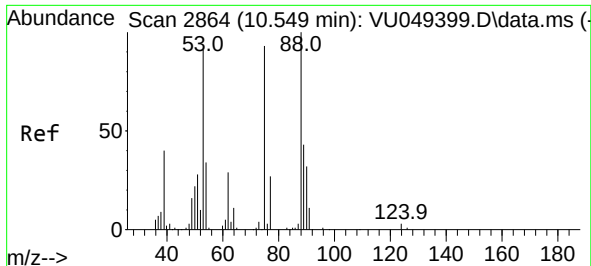
Tgt Ion:152 Resp: 212985
 Ion Ratio Lower Upper
 152 100
 115 62.0 37.0 110.9
 150 156.9 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.882 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049428.D
 Acq: 28 Jun 2022 01:53

Tgt Ion: 75 Resp: 114667
 Ion Ratio Lower Upper
 75 100
 77 1.2 15.8 47.3#

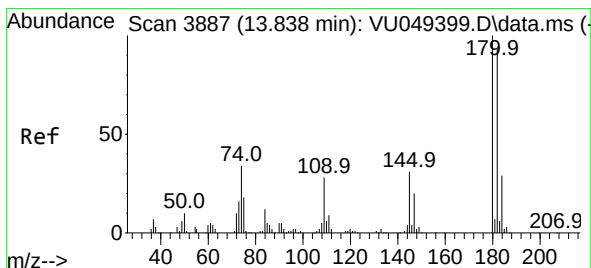
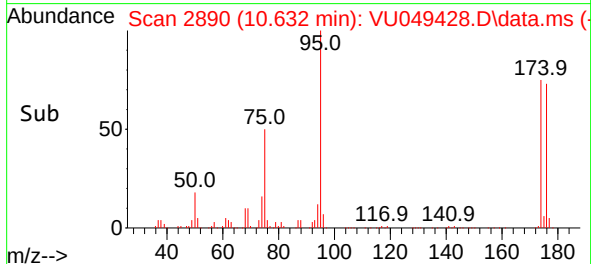
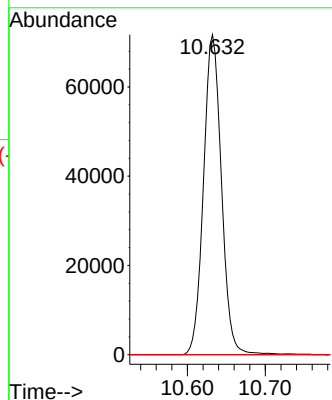
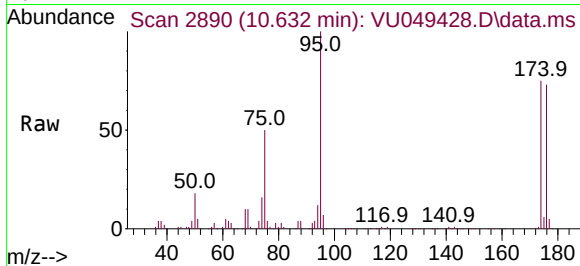




#81
trans-1,4-Dichloro-2-butene
Concen: 58.650 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049428.D
Acq: 28 Jun 2022 01:53

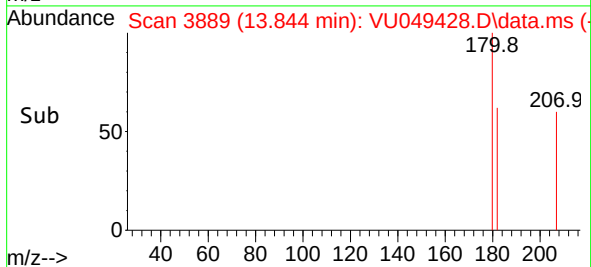
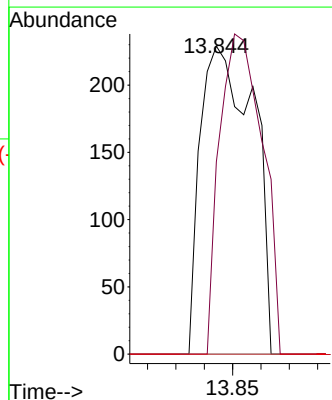
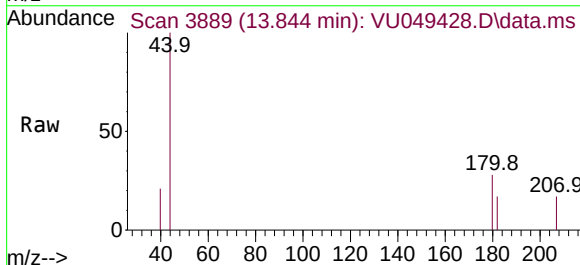
Instrument :
MSVOA_U
ClientSampleId :
RE105D1-20220613RE

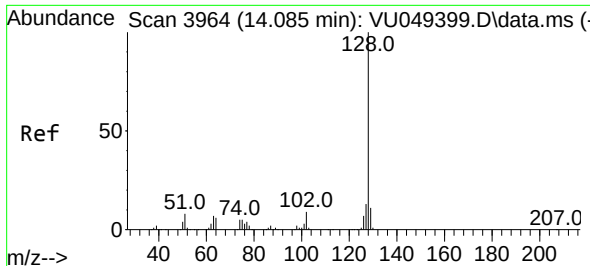
Tgt Ion: 75 Resp: 114667
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.814 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.006 min
Lab File: VU049428.D
Acq: 28 Jun 2022 01:53

Tgt Ion:180 Resp: 297
Ion Ratio Lower Upper
180 100
182 84.2 47.9 143.6
145 0.0 14.0 41.9#

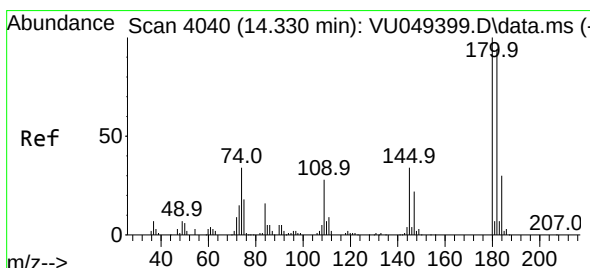
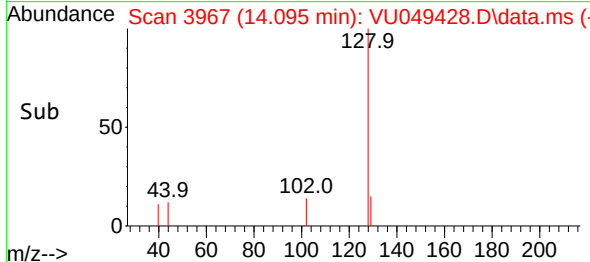
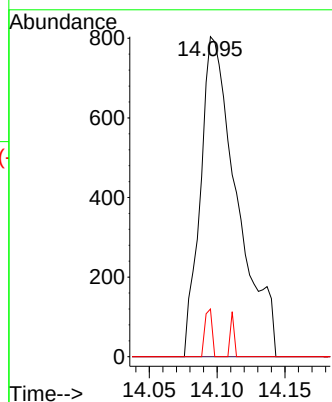
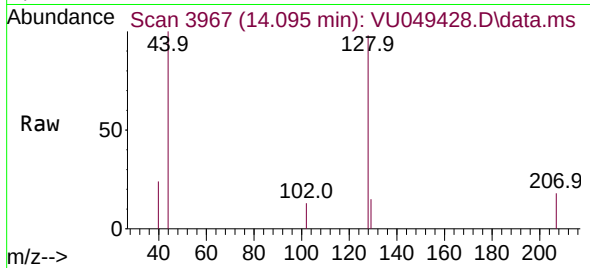




#95
Naphthalene
Concen: 1.823 ug/l
RT: 14.095 min Scan# 3964
Delta R.T. 0.010 min
Lab File: VU049428.D
Acq: 28 Jun 2022 01:53

Instrument :
MSVOA_U
ClientSampleId :
RE105D1-20220613RE

Tgt Ion:128 Resp: 1511
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 2.9 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.246 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. 0.006 min
Lab File: VU049428.D
Acq: 28 Jun 2022 01:53

Tgt Ion:180 Resp: 345
Ion Ratio Lower Upper
180 100
182 82.9 48.4 145.0
145 0.0 14.8 44.4#

