

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049512.D
 Acq On : 29 Jun 2022 15:01
 Operator : SY/MD
 Sample : N3457-06DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE115D1-20220620DL

Quant Time: Jun 30 00:48:58 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)

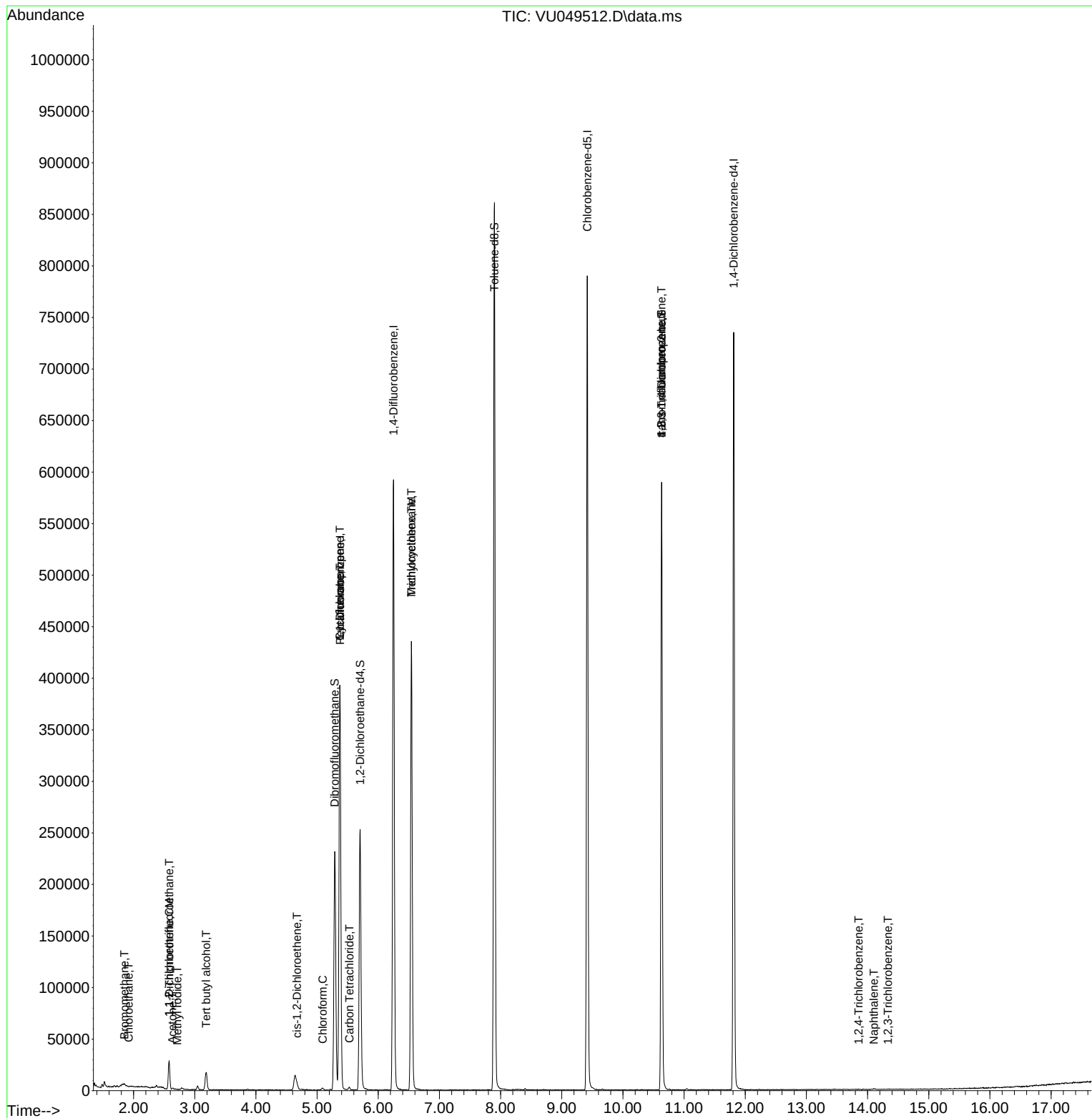
Internal Standards						
1) Pentafluorobenzene	5.375	168	272291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	480334	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	435274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	193941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	187700	44.760	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.520%
35) Dibromofluoromethane	5.288	113	151442	45.065	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.120%
50) Toluene-d8	7.899	98	579321	48.333	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.660%
62) 4-Bromofluorobenzene	10.632	95	204912	44.629	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.260%
Target Compounds						Qvalue
5) Bromomethane	1.851	94	513	0.375	ug/l	84
6) Chloroethane	1.919	64	67	1.947	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.581	101	7784	2.577	ug/l	92
10) Methyl Iodide	2.716	142	68	7.532	ug/l #	43
11) Tert butyl alcohol	3.186	59	10205	10.397	ug/l #	37
12) 1,1-Dichloroethene	2.581	96	3228	1.091	ug/l	98
16) Acetone	2.633	43	1418	0.671	ug/l #	78
20) Methylene Chloride	3.044	84	1711	Below Cal		86
27) cis-1,2-Dichloroethene	4.671	96	1402	0.381	ug/l	71
30) Chloroform	5.092	83	1704	0.263	ug/l	92
31) Cyclohexane	5.372	56	5580	0.886	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	21802	4.474	ug/l #	48
38) Carbon Tetrachloride	5.530	117	1693	0.331	ug/l #	73
39) Methylcyclohexane	6.542	83	1736	0.297	ug/l #	1
44) Trichloroethene	6.542	130	144083	41.199	ug/l	83
76) 1,2,3-Trichloropropane	10.632	75	104513	15.897	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	104513	58.705	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.854	180	166	1.791	ug/l #	76
95) Naphthalene	14.102	128	1451	1.828	ug/l #	75
96) 1,2,3-Trichlorobenzene	14.333	180	116	1.202	ug/l #	86

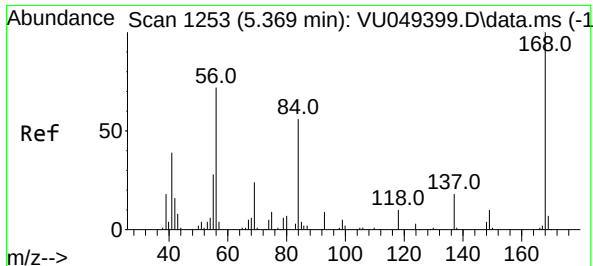
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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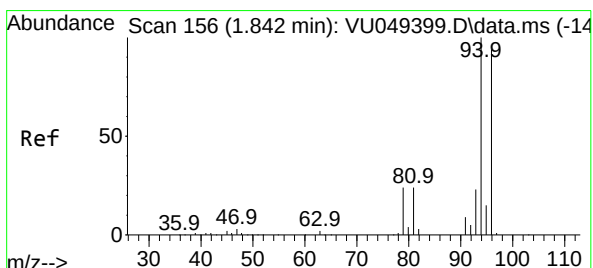
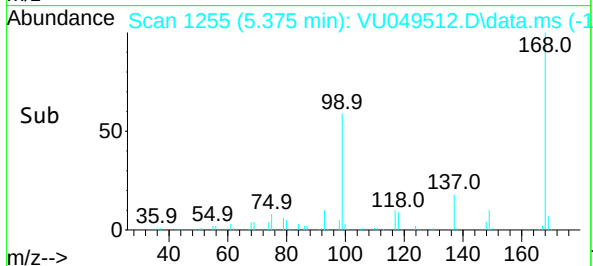
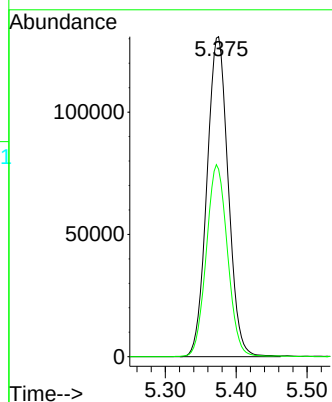
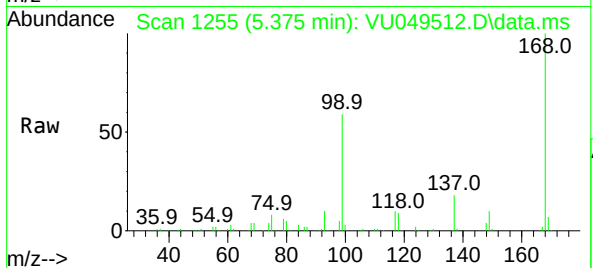




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU049512.D
Acq: 29 Jun 2022 15:01

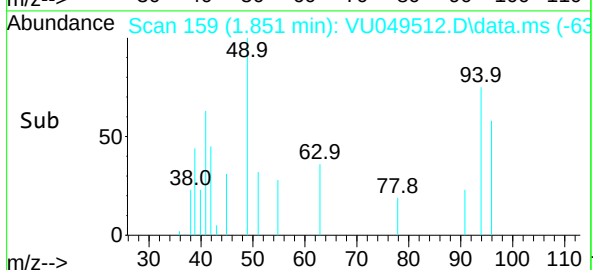
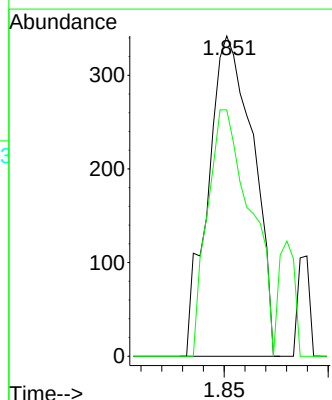
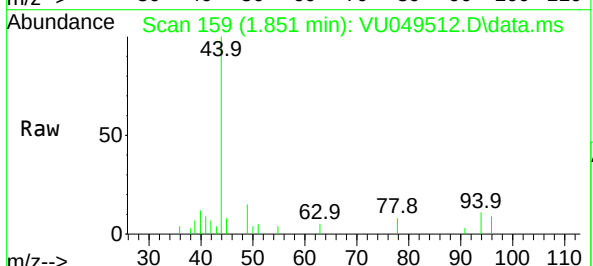
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20220620DL

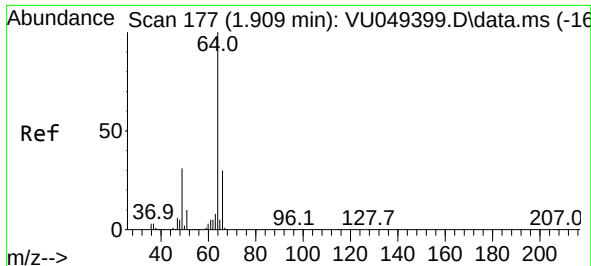
Tgt Ion:168 Resp: 272291
Ion Ratio Lower Upper
168 100
99 58.5 39.3 58.9



#5
Bromomethane
Concen: 0.375 ug/l
RT: 1.851 min Scan# 159
Delta R.T. 0.010 min
Lab File: VU049512.D
Acq: 29 Jun 2022 15:01

Tgt Ion: 94 Resp: 513
Ion Ratio Lower Upper
94 100
96 76.9 73.7 110.5

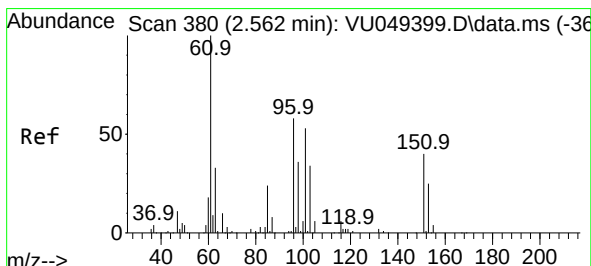
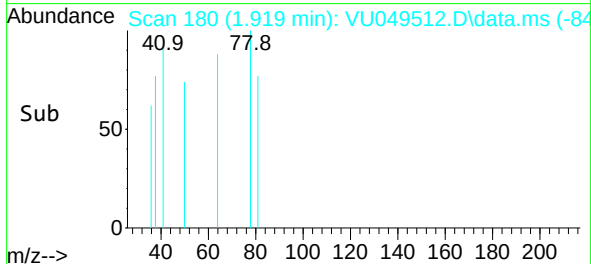
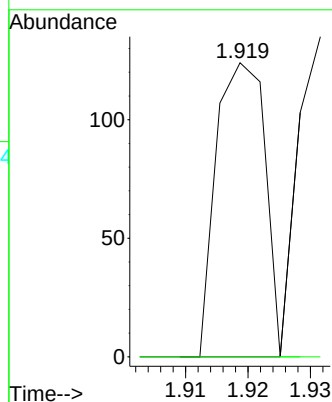
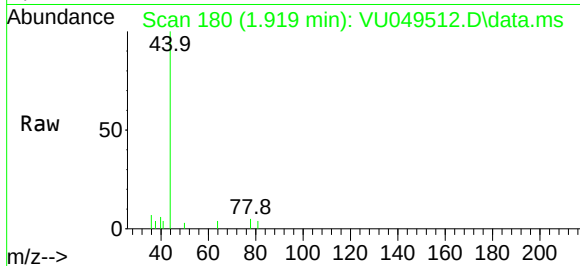




#6
Chloroethane
Concen: 1.947 ug/l
RT: 1.919 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU049512.D
Acq: 29 Jun 2022 15:01

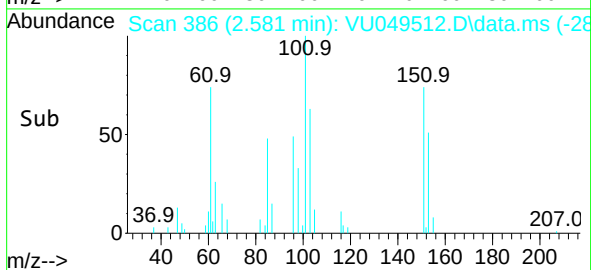
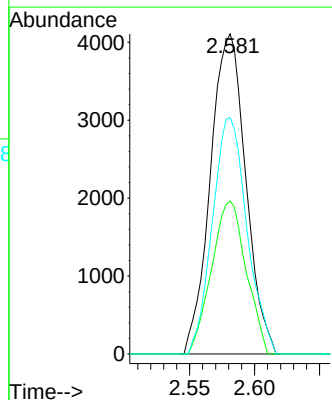
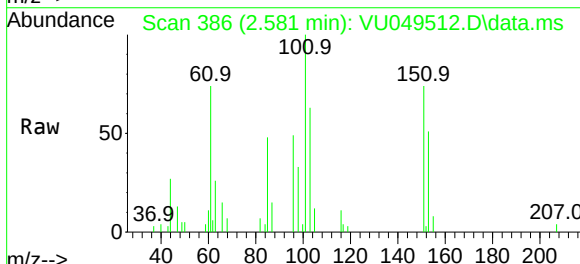
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20220620DL

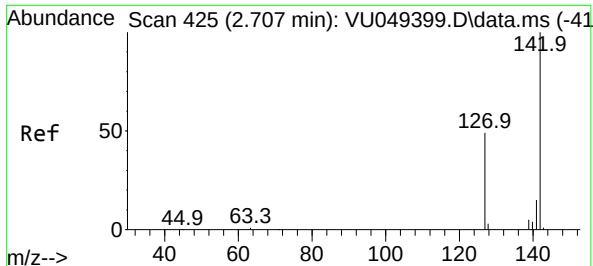
Tgt Ion: 64 Resp: 67
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.577 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.019 min
Lab File: VU049512.D
Acq: 29 Jun 2022 15:01

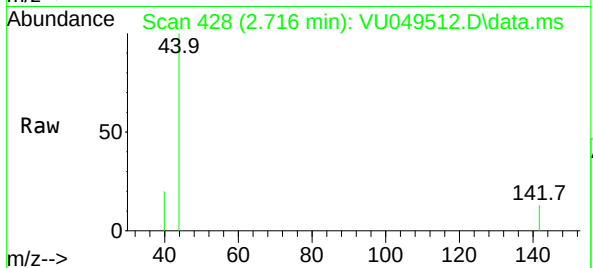
Tgt Ion: 101 Resp: 7784
Ion Ratio Lower Upper
101 100
85 46.6 33.9 50.9
151 72.1 64.0 96.0



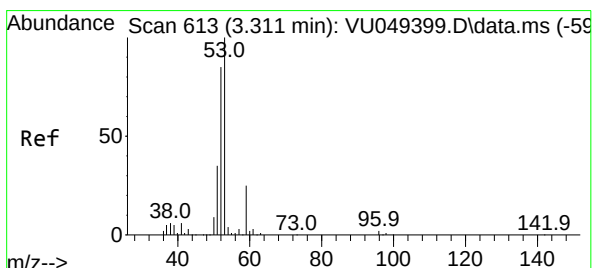
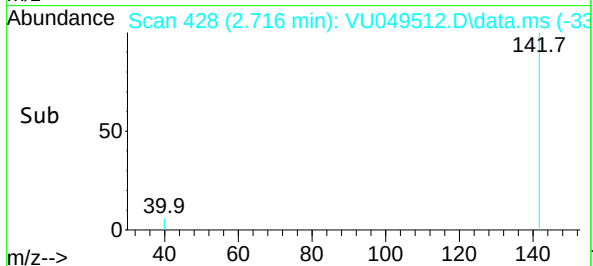
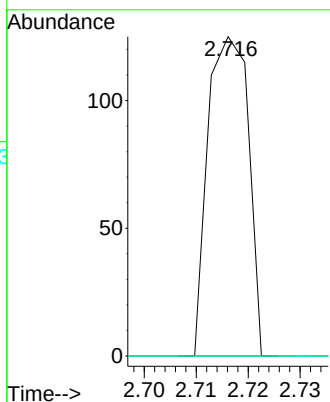


#10
Methyl Iodide
Concen: 7.532 ug/l
RT: 2.716 min Scan# 41
Delta R.T. 0.010 min
Lab File: VU049512.D
Acq: 29 Jun 2022 15:01

Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20220620DL

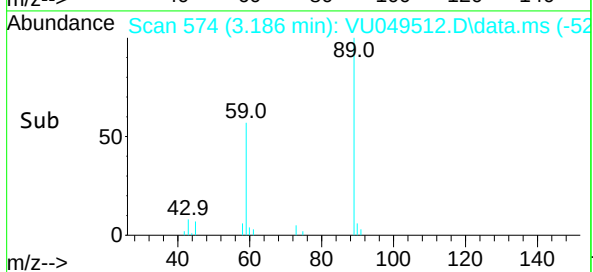
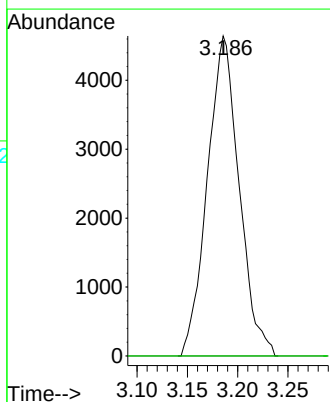
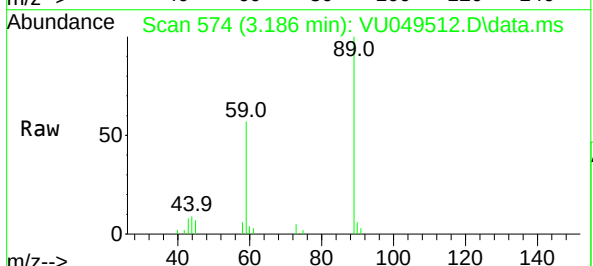


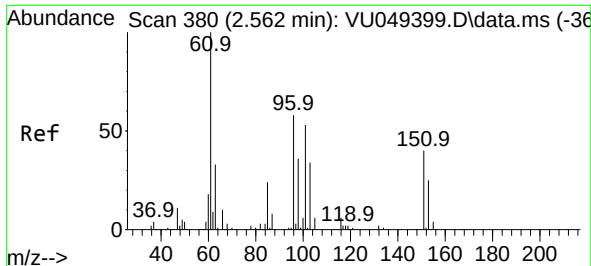
Tgt Ion:142 Resp: 68
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 10.397 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.125 min
Lab File: VU049512.D
Acq: 29 Jun 2022 15:01

Tgt Ion: 59 Resp: 10205
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#





#12

1,1-Dichloroethene

Concen: 1.091 ug/l

RT: 2.581 min Scan# 31

Delta R.T. 0.019 min

Lab File: VU049512.D

Acq: 29 Jun 2022 15:01

Instrument :

MSVOA_U

ClientSampleId :

RE115D1-20220620DL

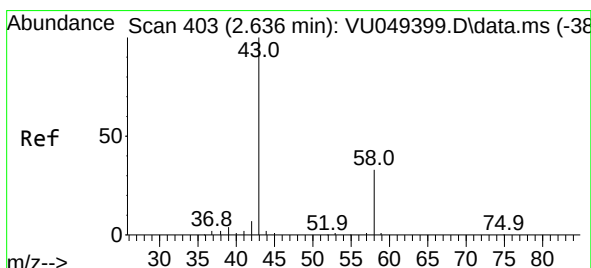
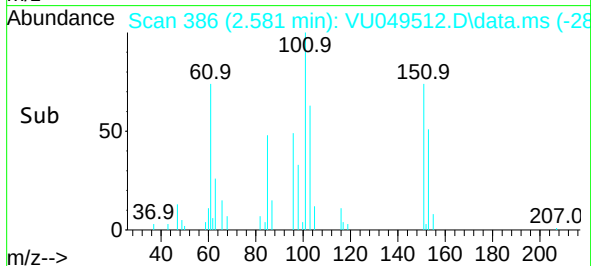
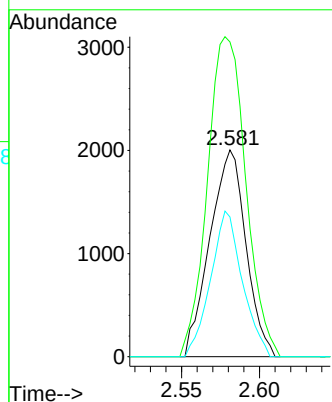
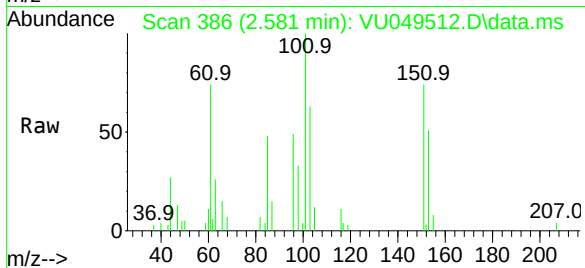
Tgt Ion: 96 Resp: 3228

Ion Ratio Lower Upper

96 100

61 152.3 122.2 183.2

98 67.6 50.7 76.1



#16

Acetone

Concen: 0.671 ug/l

RT: 2.633 min Scan# 402

Delta R.T. -0.003 min

Lab File: VU049512.D

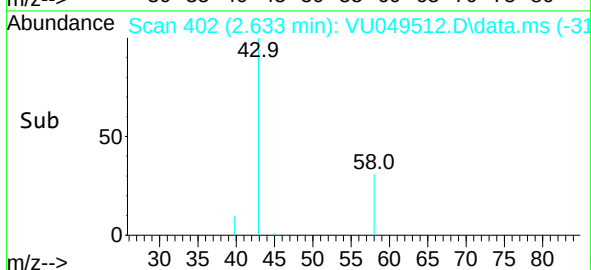
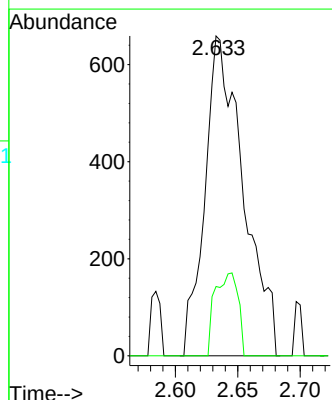
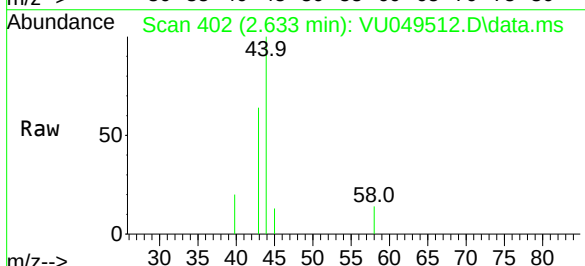
Acq: 29 Jun 2022 15:01

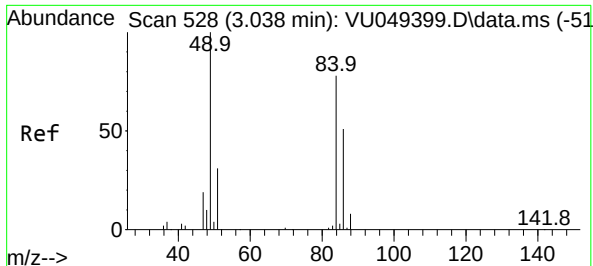
Tgt Ion: 43 Resp: 1418

Ion Ratio Lower Upper

43 100

58 21.7 27.5 41.3#





#20

Methylene Chloride

Concen: Below Cal

RT: 3.044 min Scan# 51

Delta R.T. 0.006 min

Lab File: VU049512.D

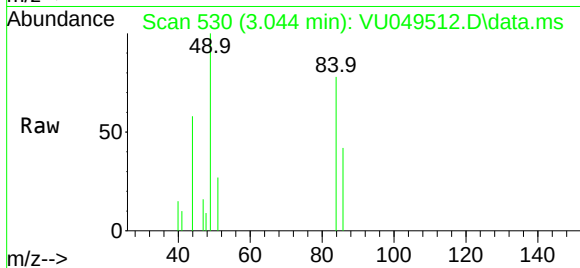
Acq: 29 Jun 2022 15:01

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Tgt Ion: 84 Resp: 1711

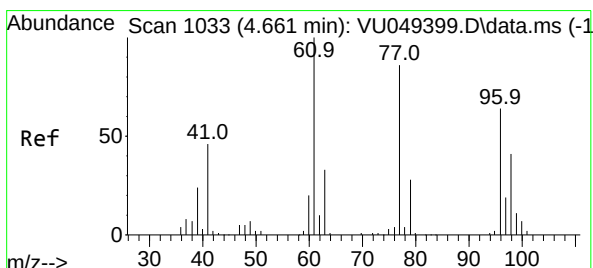
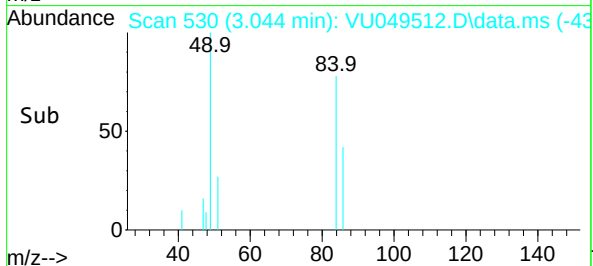
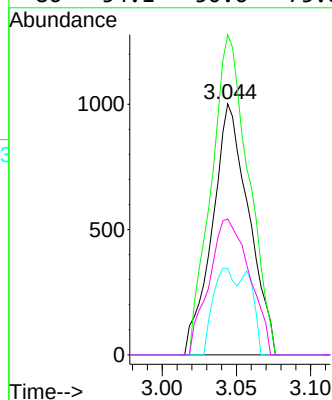
Ion Ratio Lower Upper

84 100

49 127.5 86.6 129.8

51 34.4 26.6 40.0

86 54.1 50.6 75.8



#27

cis-1,2-Dichloroethene

Concen: 0.381 ug/l

RT: 4.671 min Scan# 1036

Delta R.T. 0.010 min

Lab File: VU049512.D

Acq: 29 Jun 2022 15:01

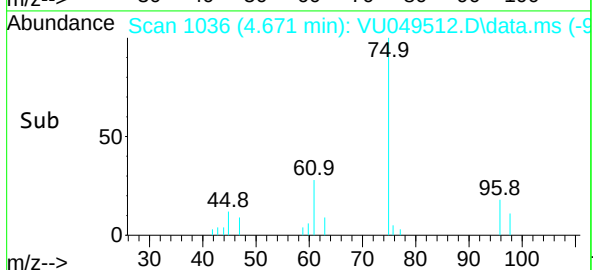
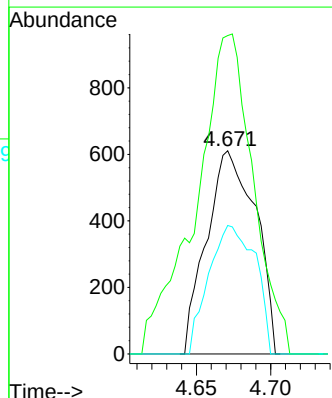
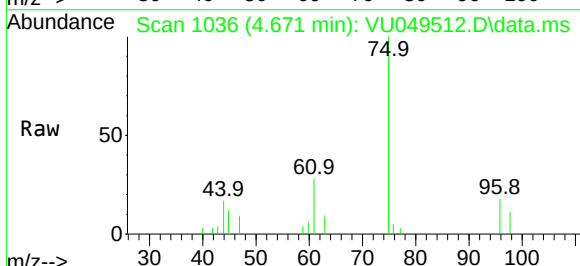
Tgt Ion: 96 Resp: 1402

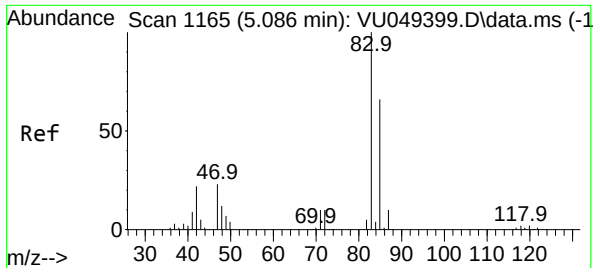
Ion Ratio Lower Upper

96 100

61 184.1 0.0 271.6

98 60.0 0.0 128.2

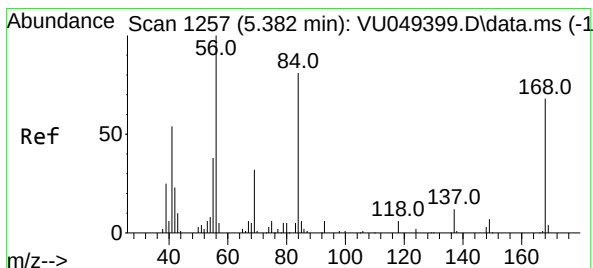
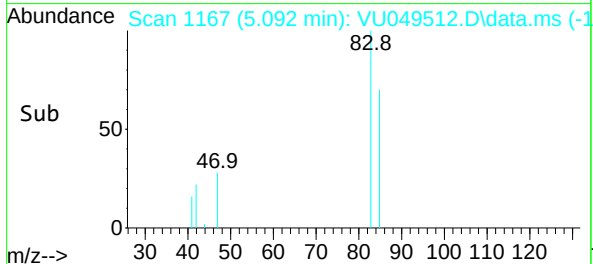
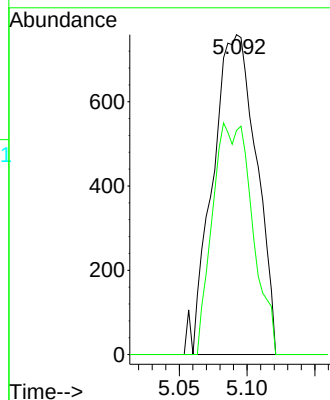
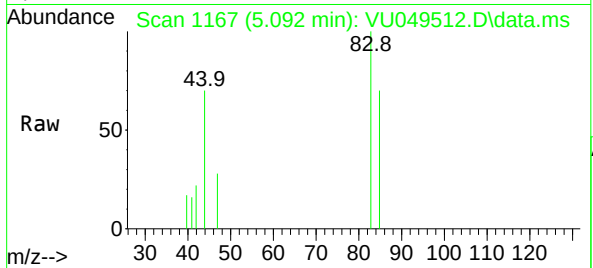




#30
Chloroform
Concen: 0.263 ug/l
RT: 5.092 min Scan# 1166
Delta R.T. 0.006 min
Lab File: VU049512.D
Acq: 29 Jun 2022 15:01

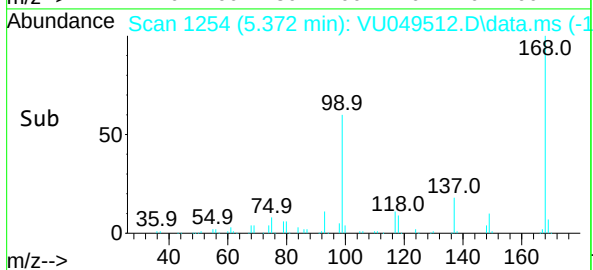
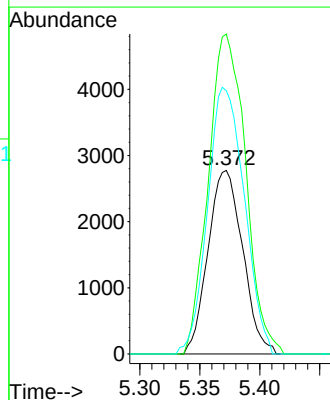
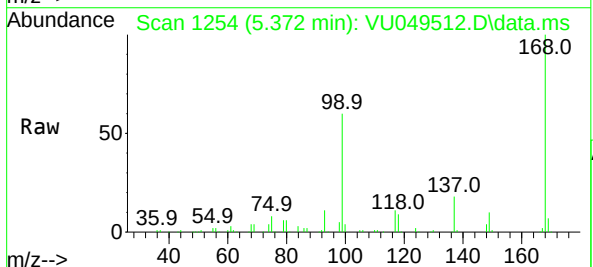
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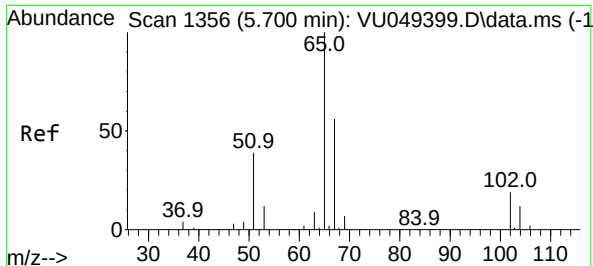
Tgt Ion: 83 Resp: 1704
Ion Ratio Lower Upper
83 100
85 70.1 51.2 76.8



#31
Cyclohexane
Concen: 0.886 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.010 min
Lab File: VU049512.D
Acq: 29 Jun 2022 15:01

Tgt Ion: 56 Resp: 5580
Ion Ratio Lower Upper
56 100
69 174.3 27.8 41.8#
84 143.5 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 44.760 ug/l

RT: 5.703 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049512.D

Acq: 29 Jun 2022 15:01

Instrument :

MSVOA_U

ClientSampleId :

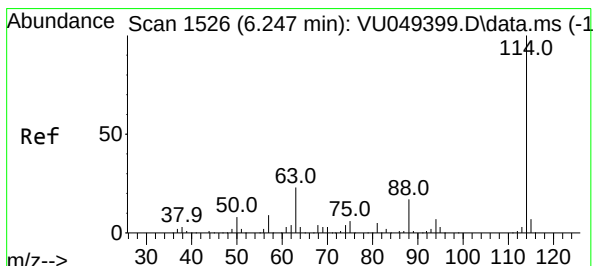
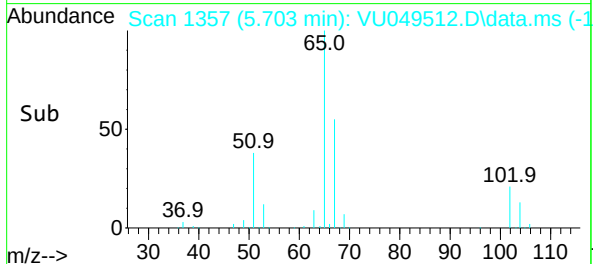
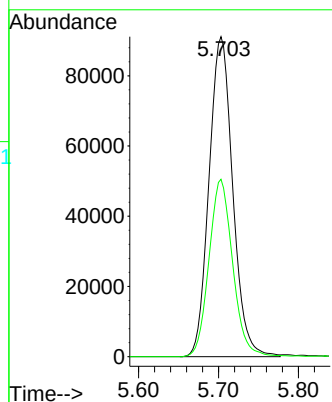
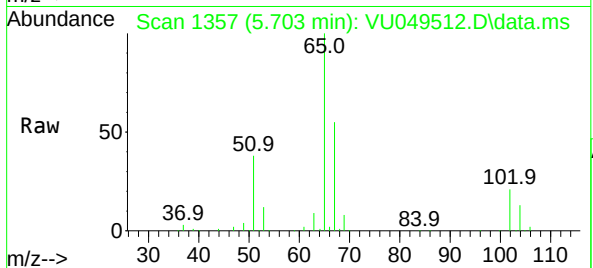
RE115D1-20220620DL

Tgt Ion: 65 Resp: 187700

Ion Ratio Lower Upper

65 100

67 55.4 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. 0.003 min

Lab File: VU049512.D

Acq: 29 Jun 2022 15:01

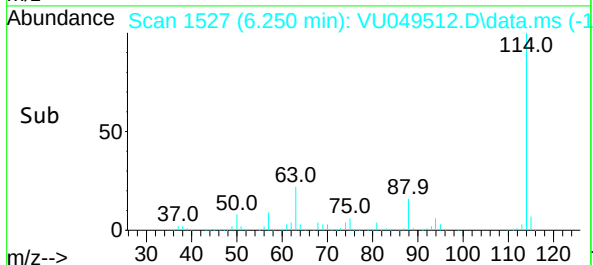
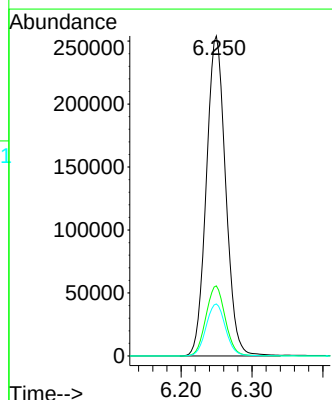
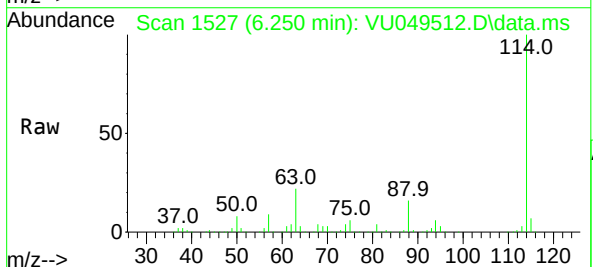
Tgt Ion: 114 Resp: 480334

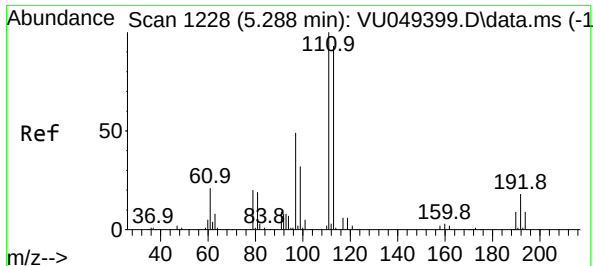
Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.8

88 16.3 0.0 29.2





#35

Dibromofluoromethane

Concen: 45.065 ug/l

RT: 5.288 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU049512.D

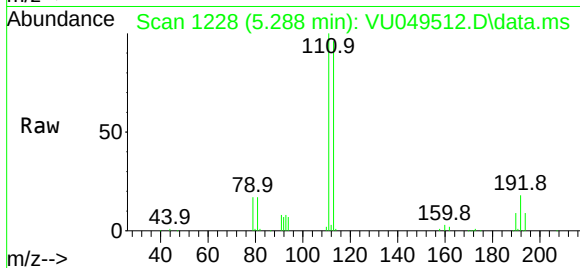
Acq: 29 Jun 2022 15:01

Instrument :

MSVOA_U

ClientSampleId :

RE115D1-20220620DL



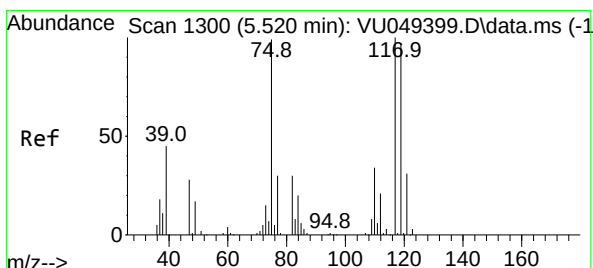
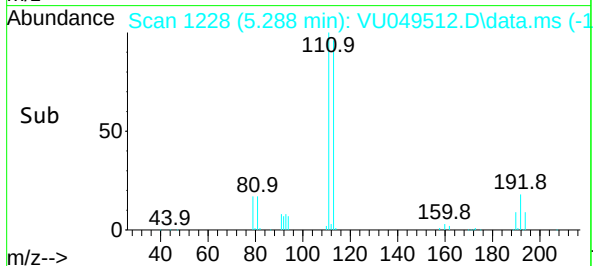
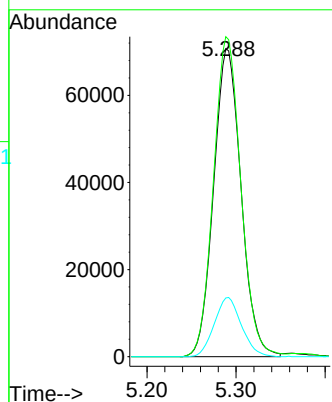
Tgt Ion:113 Resp: 151442

Ion Ratio Lower Upper

113 100

111 103.6 82.1 123.1

192 19.0 18.0 27.0



#36

1,1-Dichloropropene

Concen: 4.474 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049512.D

Acq: 29 Jun 2022 15:01

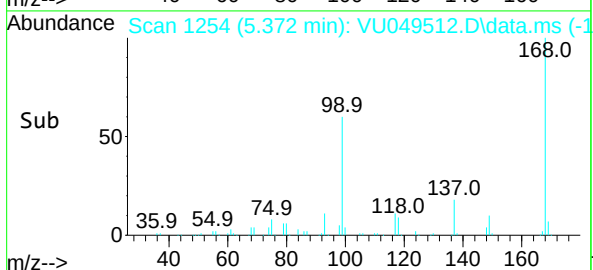
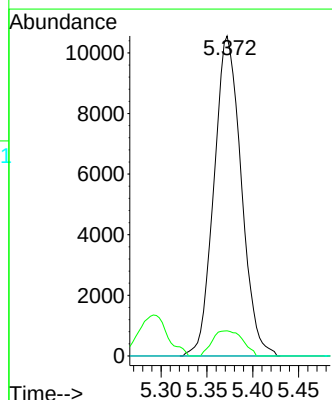
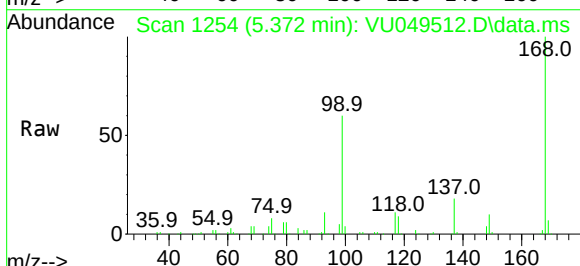
Tgt Ion: 75 Resp: 21802

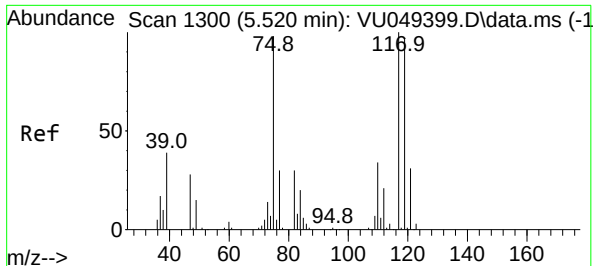
Ion Ratio Lower Upper

75 100

110 8.7 18.4 55.2#

77 0.0 25.1 37.7#

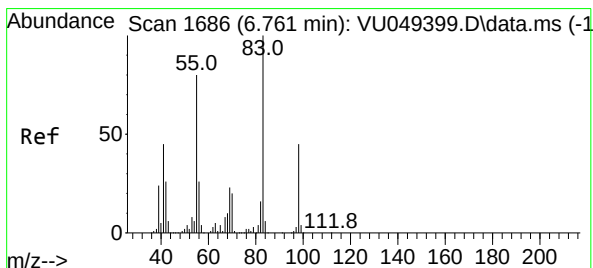
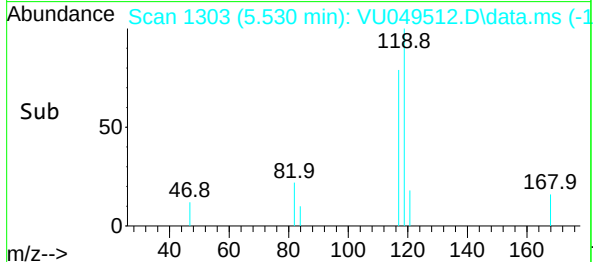
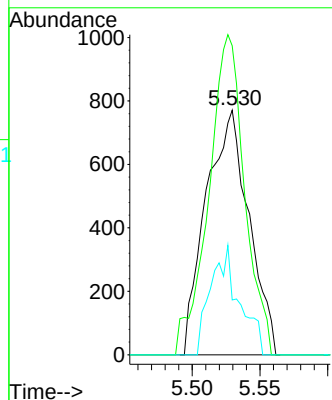
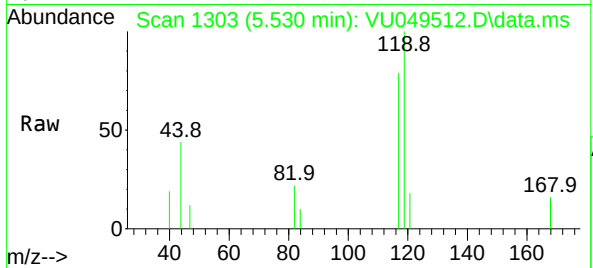




#38
Carbon Tetrachloride
Concen: 0.331 ug/l
RT: 5.530 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU049512.D
Acq: 29 Jun 2022 15:01

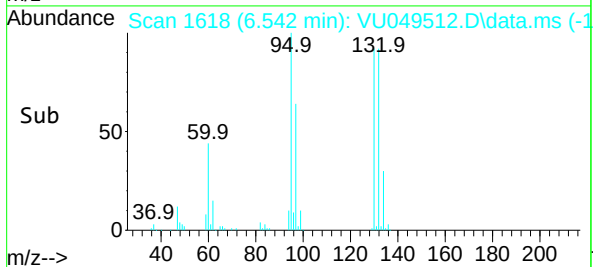
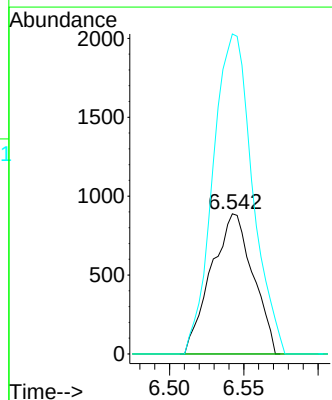
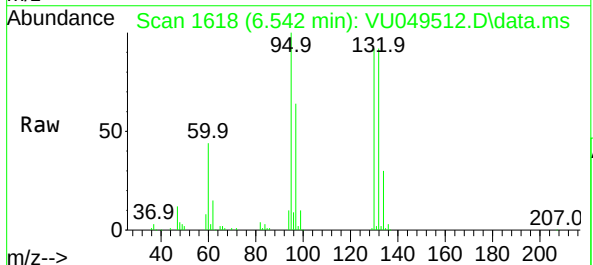
Instrument :
MSVOA_U
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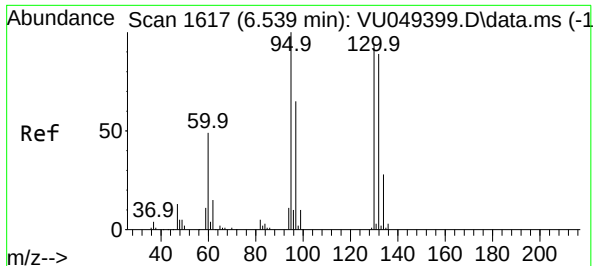
Tgt Ion:117 Resp: 1693
Ion Ratio Lower Upper
117 100
119 126.3 76.8 115.2#
121 22.4 24.7 37.1#



#39
Methylcyclohexane
Concen: 0.297 ug/l
RT: 6.542 min Scan# 1618
Delta R.T. -0.219 min
Lab File: VU049512.D
Acq: 29 Jun 2022 15:01

Tgt Ion: 83 Resp: 1736
Ion Ratio Lower Upper
83 100
55 0.0 55.3 82.9#
98 228.4 37.3 55.9#

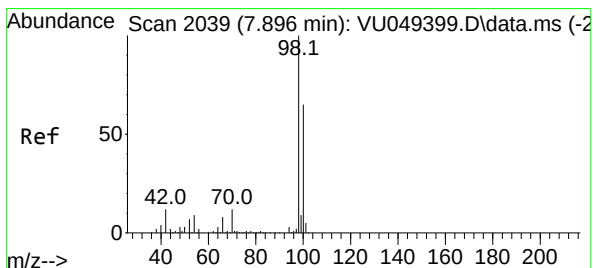
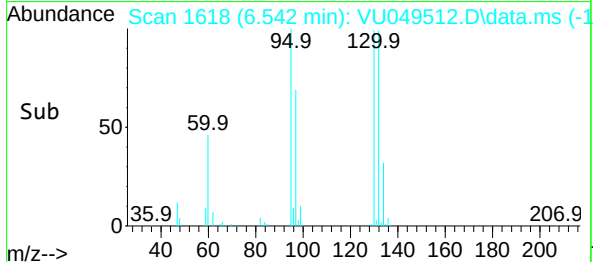
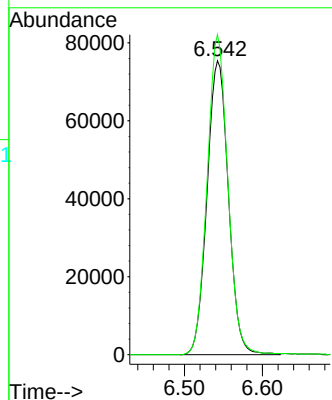
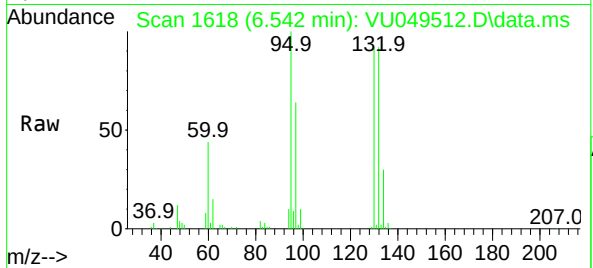




#44
Trichloroethene
Concen: 41.199 ug/l
RT: 6.542 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU049512.D
Acq: 29 Jun 2022 15:01

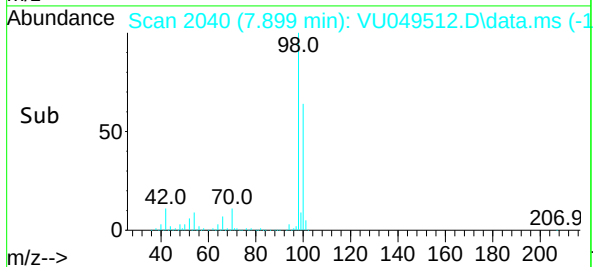
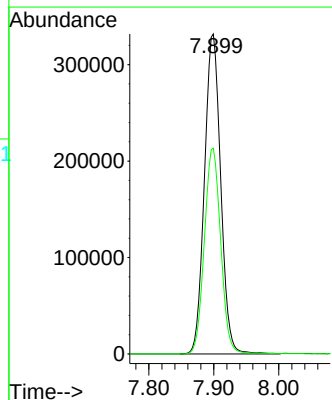
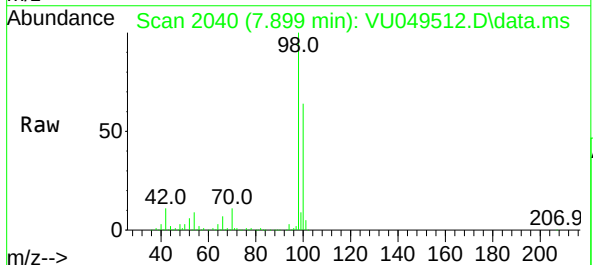
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MSVOA_U
ClientSampleId :
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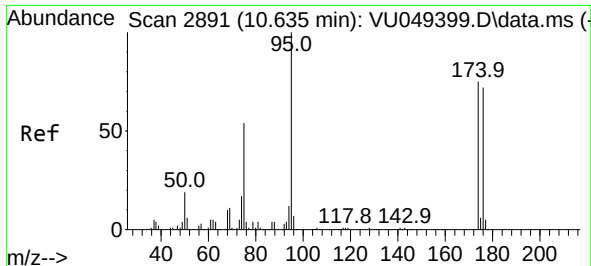
Tgt Ion:130 Resp: 144083
Ion Ratio Lower Upper
130 100
95 108.9 0.0 184.6



#50
Toluene-d8
Concen: 48.333 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.003 min
Lab File: VU049512.D
Acq: 29 Jun 2022 15:01

Tgt Ion: 98 Resp: 579321
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5

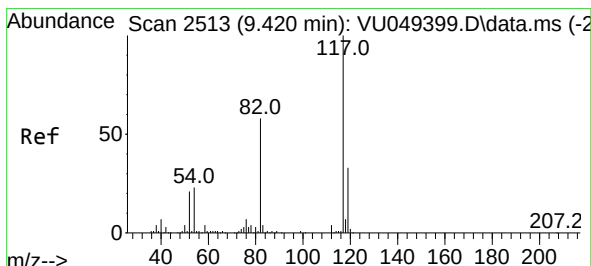
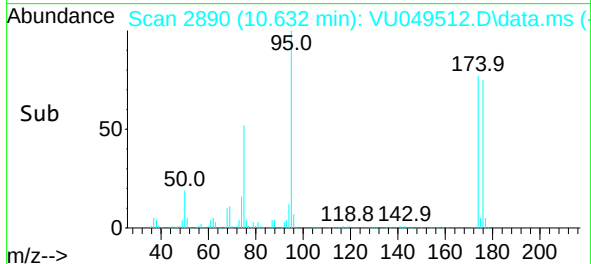
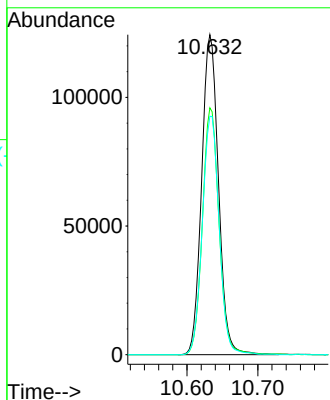
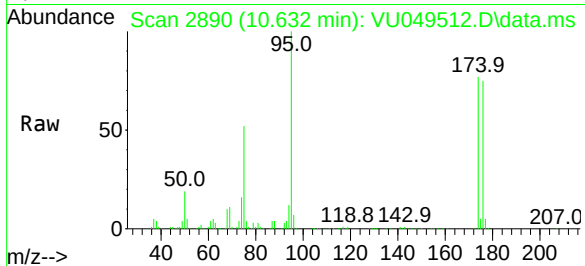




#62
4-Bromofluorobenzene
Concen: 44.629 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049512.D
Acq: 29 Jun 2022 15:01

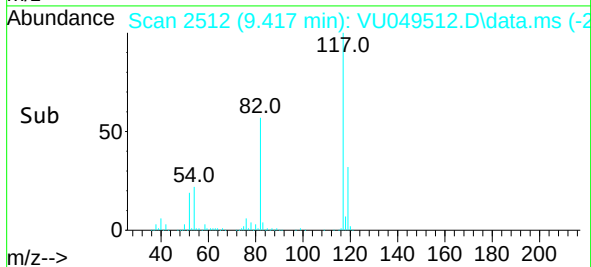
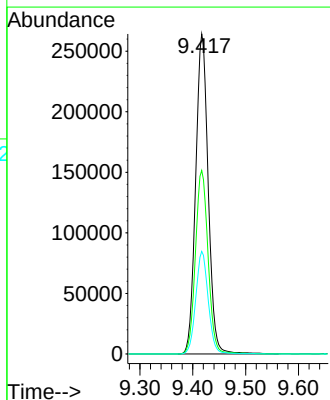
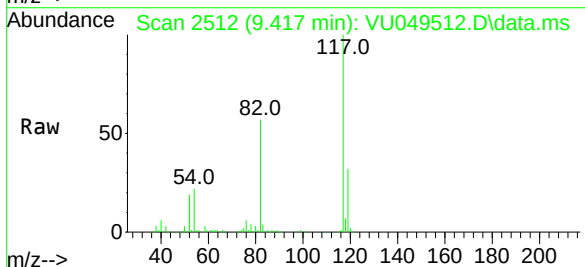
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20220620DL

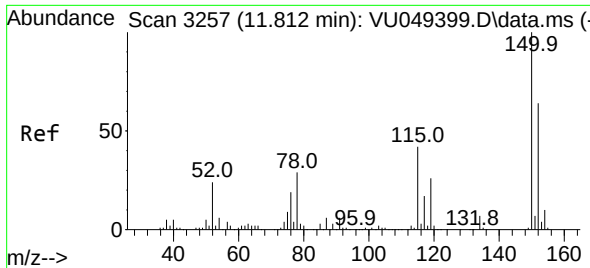
Tgt Ion: 95 Resp: 204912
Ion Ratio Lower Upper
95 100
174 76.0 0.0 182.0
176 74.7 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049512.D
Acq: 29 Jun 2022 15:01

Tgt Ion: 117 Resp: 435274
Ion Ratio Lower Upper
117 100
82 57.4 41.7 62.5
119 32.1 25.7 38.5

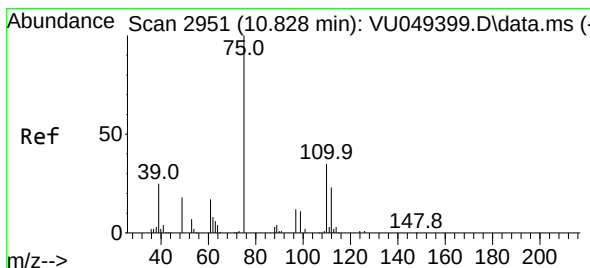
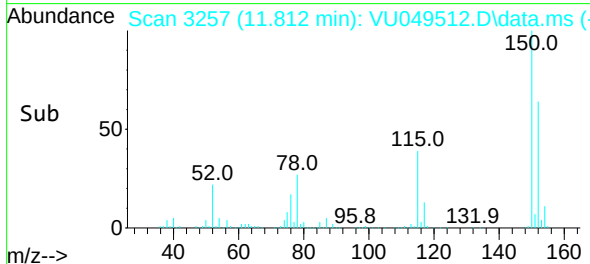
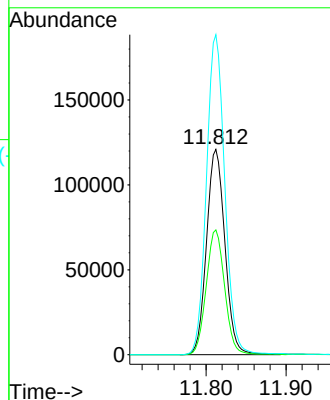
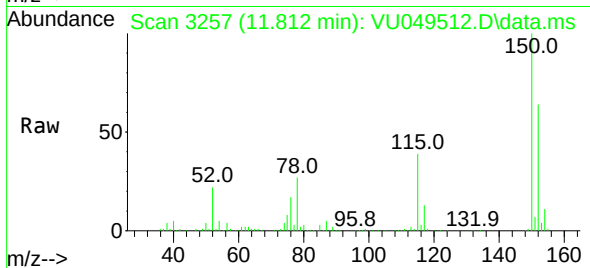




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU049512.D
 Acq: 29 Jun 2022 15:01

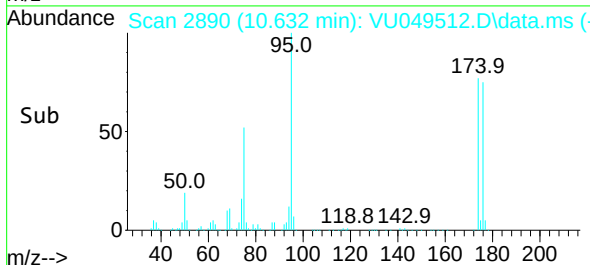
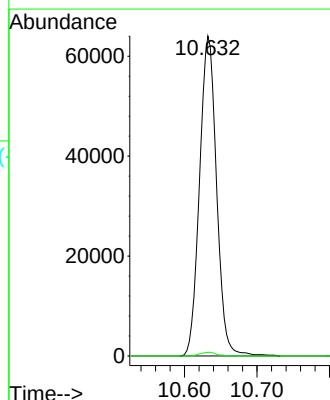
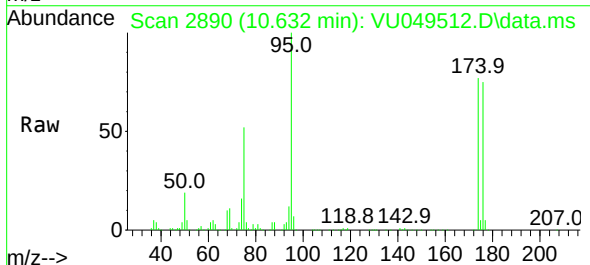
Instrument :
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 ClientSampleId :
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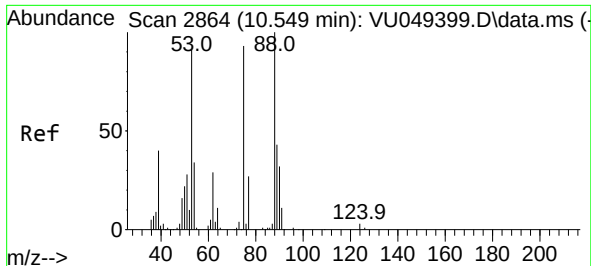
Tgt Ion:152 Resp: 193941
 Ion Ratio Lower Upper
 152 100
 115 61.0 37.0 110.9
 150 155.2 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.897 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049512.D
 Acq: 29 Jun 2022 15:01

Tgt Ion: 75 Resp: 104513
 Ion Ratio Lower Upper
 75 100
 77 1.1 15.8 47.3#

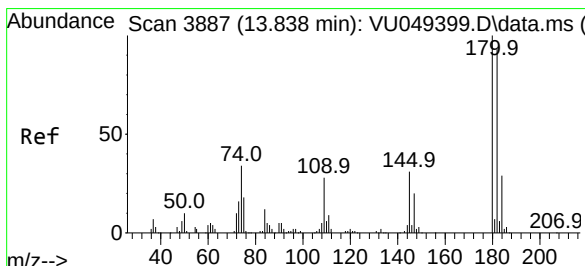
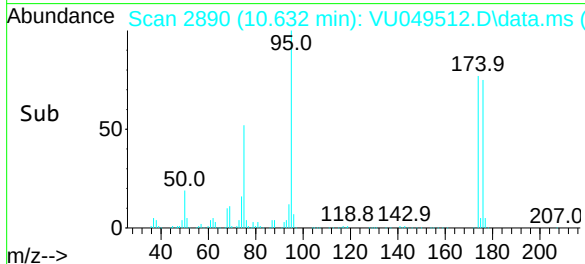
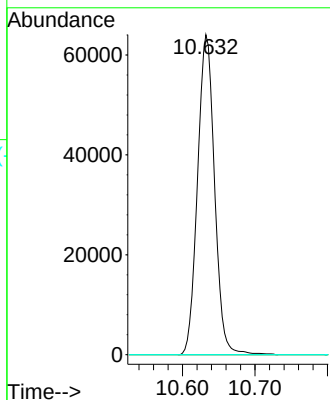
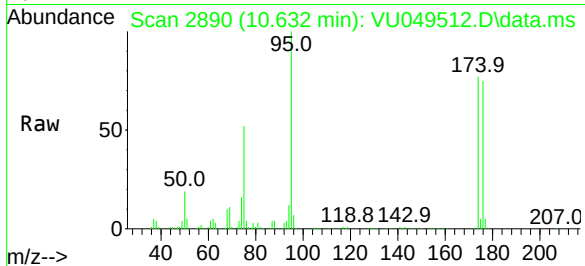




#81
trans-1,4-Dichloro-2-butene
Concen: 58.705 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049512.D
Acq: 29 Jun 2022 15:01

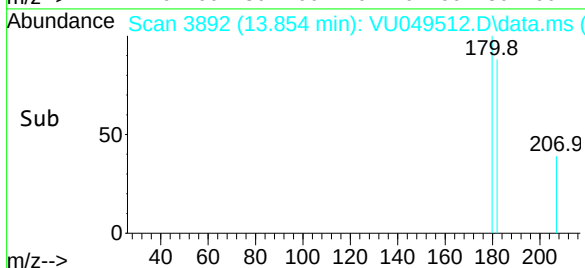
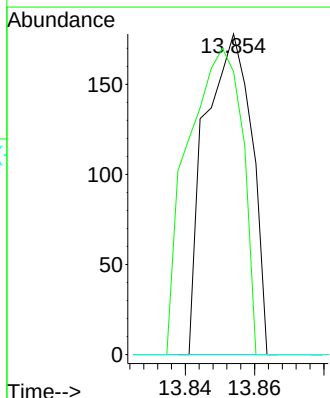
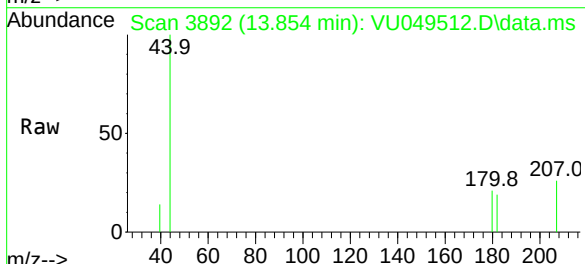
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ClientSampleId :
RE115D1-20220620DL

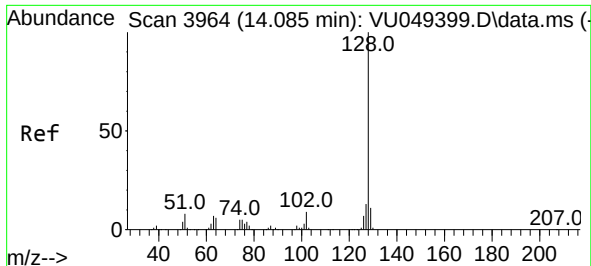
Tgt Ion: 75 Resp: 104513
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.791 ug/l
RT: 13.854 min Scan# 3892
Delta R.T. 0.016 min
Lab File: VU049512.D
Acq: 29 Jun 2022 15:01

Tgt Ion: 180 Resp: 166
Ion Ratio Lower Upper
180 100
182 111.4 47.9 143.6
145 0.0 14.0 41.9#

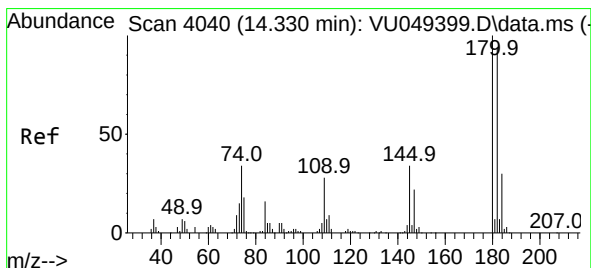
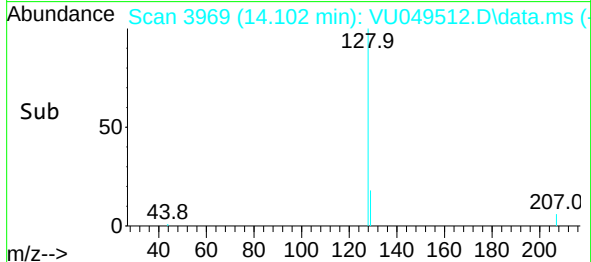
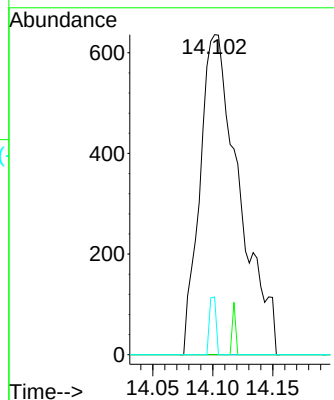
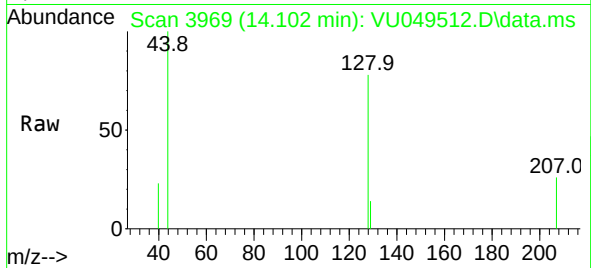




#95
Naphthalene
Concen: 1.828 ug/l
RT: 14.102 min Scan# 3969
Delta R.T. 0.016 min
Lab File: VU049512.D
Acq: 29 Jun 2022 15:01

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:128 Resp: 1451
Ion Ratio Lower Upper
128 100
127 1.4 10.3 15.5#
129 3.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.202 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU049512.D
Acq: 29 Jun 2022 15:01

Tgt Ion:180 Resp: 116
Ion Ratio Lower Upper
180 100
182 98.3 48.4 145.0
145 0.0 14.8 44.4#

