

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062722\
 Data File : VU049432.D
 Acq On : 28 Jun 2022 03:28
 Operator : SY/MD
 Sample : N3386-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE108D1-20220614

Quant Time: Jun 28 07:14:27 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)

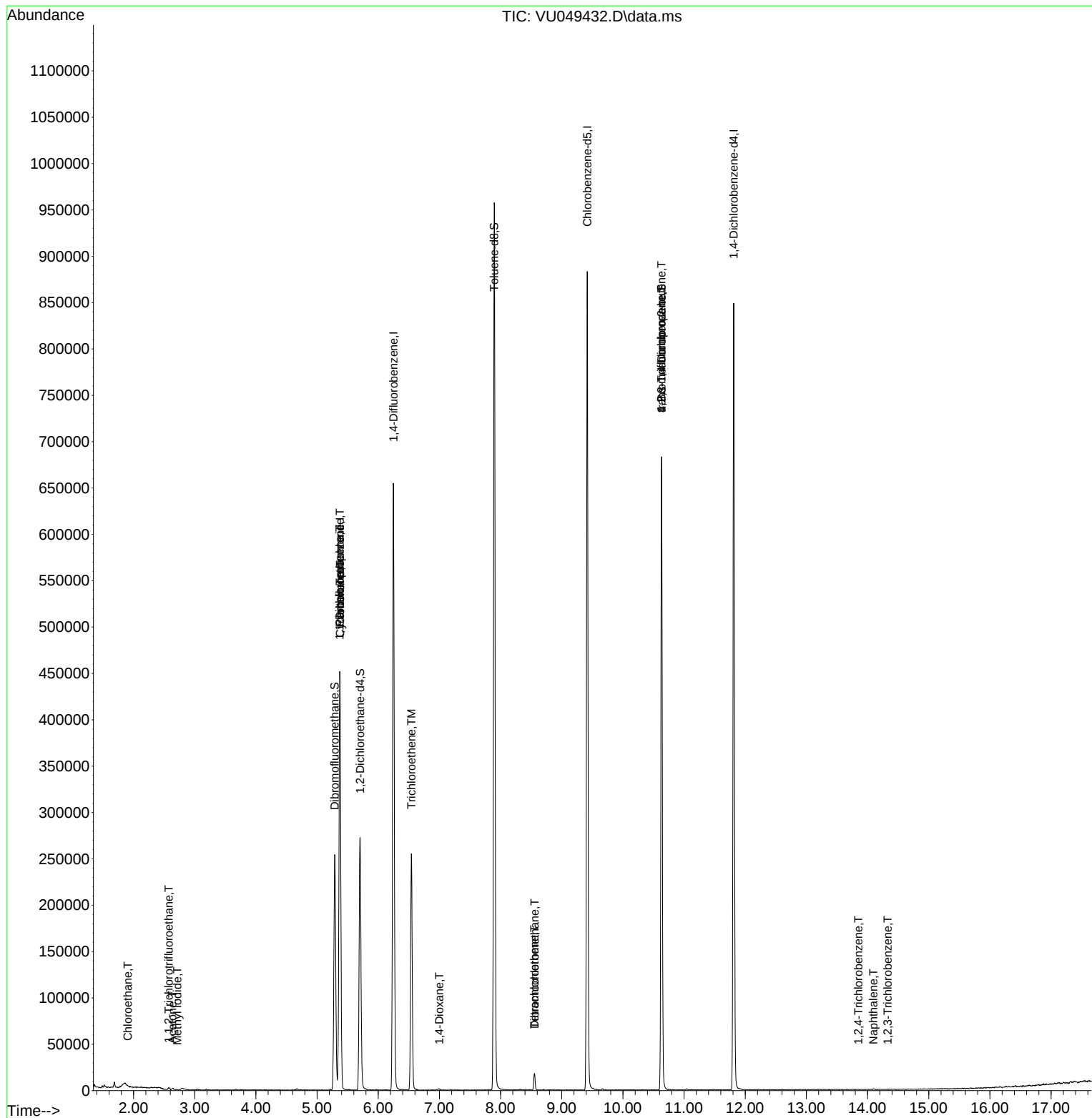
Internal Standards						
1) Pentafluorobenzene	5.372	168	312635	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	534489	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	479006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	223991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	204136	42.398	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.800%
35) Dibromofluoromethane	5.288	113	166972	44.652	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.300%
50) Toluene-d8	7.896	98	635612	47.656	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.320%
62) 4-Bromofluorobenzene	10.632	95	234911	45.978	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.960%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	2044	Below Cal		92
6) Chloroethane	1.903	64	20	1.924	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.575	101	909	0.262	ug/l #	84
10) Methyl Iodide	2.716	142	46	7.524	ug/l #	43
16) Acetone	2.636	43	1931	0.795	ug/l #	80
20) Methylene Chloride	3.047	84	307	Below Cal	#	80
31) Cyclohexane	5.375	56	6494	0.898	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	24652	4.547	ug/l #	49
38) Carbon Tetrachloride	5.372	117	31454	5.531	ug/l #	17
44) Trichloroethene	6.542	130	85829	22.055	ug/l	90
49) 1,4-Dioxane	6.999	88	332	2.547	ug/l #	58
60) Dibromochloromethane	8.555	129	3828	0.915	ug/l #	11
64) Tetrachloroethene	8.552	164	3933	1.280	ug/l	94
76) 1,2,3-Trichloropropane	10.632	75	116740	15.375	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	116740	56.776	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.848	180	72	1.768	ug/l #	1
95) Naphthalene	14.095	128	1106	1.797	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.330	180	73	1.191	ug/l #	49

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

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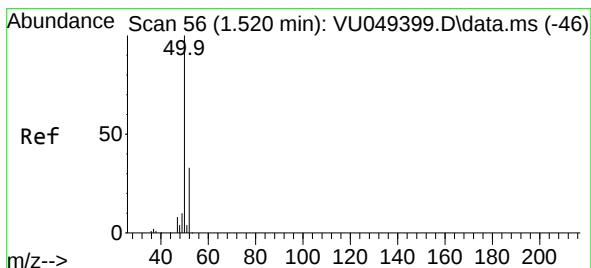
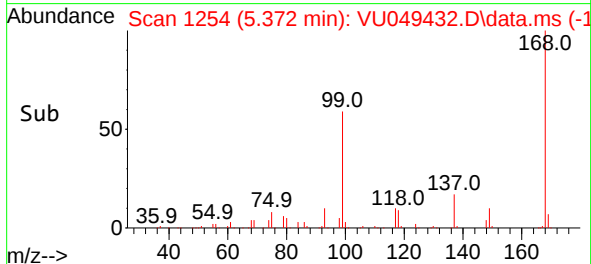
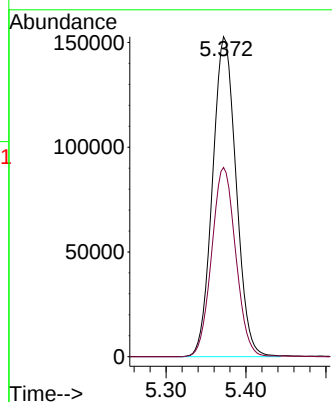
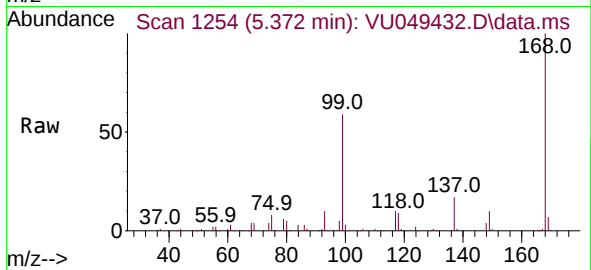




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049432.D
Acq: 28 Jun 2022 03:28

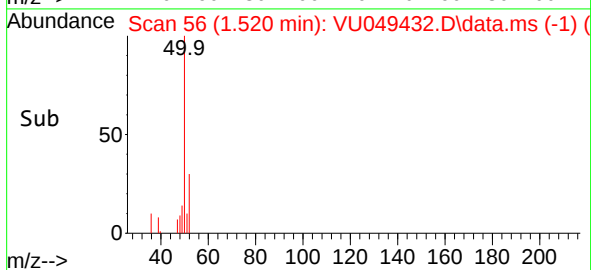
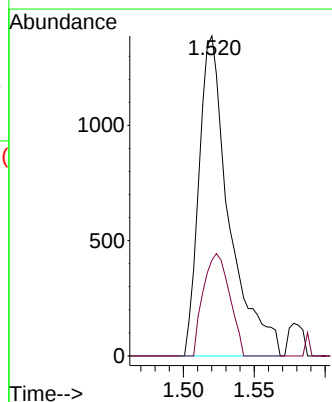
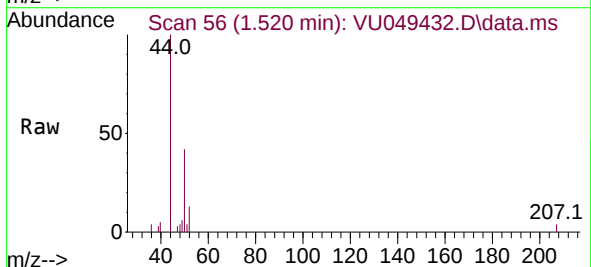
Instrument :
MSVOA_U
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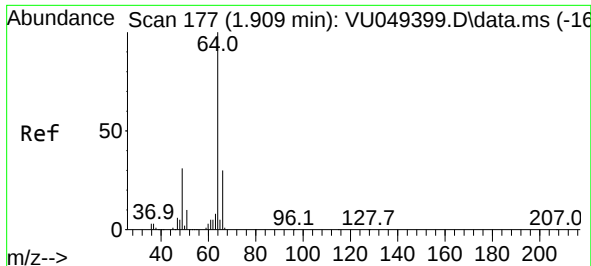
Tgt Ion:168 Resp: 312635
Ion Ratio Lower Upper
168 100
99 59.1 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049432.D
Acq: 28 Jun 2022 03:28

Tgt Ion: 50 Resp: 2044
Ion Ratio Lower Upper
50 100
52 29.9 27.4 41.2

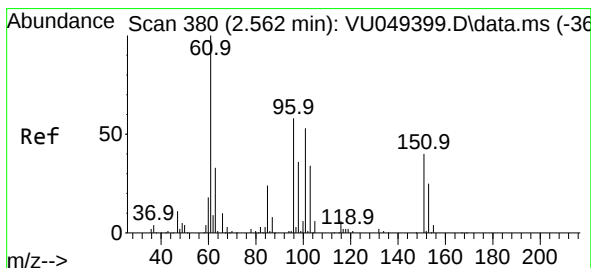
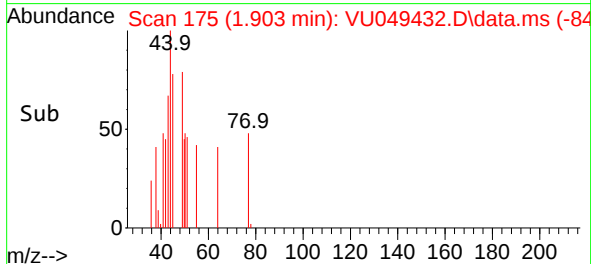
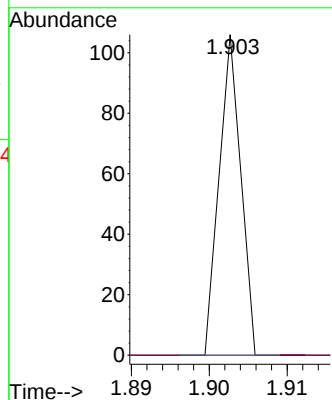
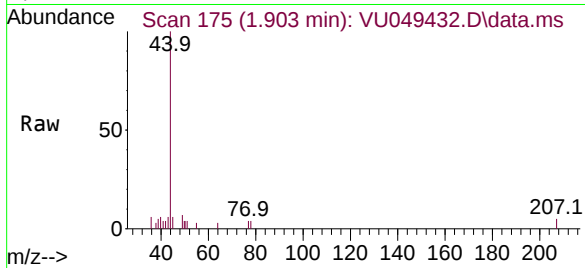




#6
Chloroethane
Concen: 1.924 ug/l
RT: 1.903 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU049432.D
Acq: 28 Jun 2022 03:28

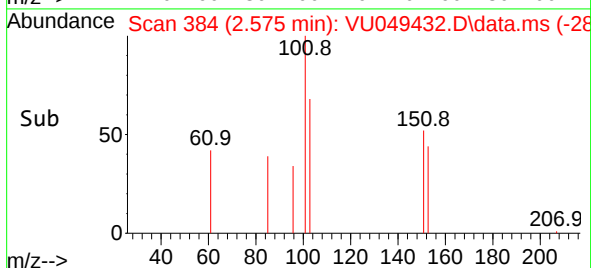
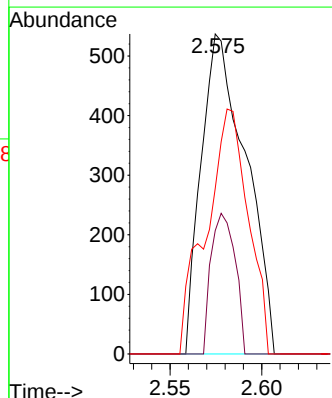
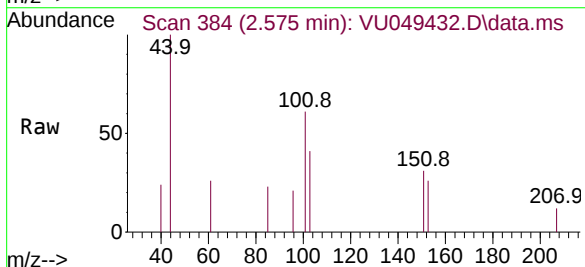
Instrument :
MSVOA_U
ClientSampleId :
RE108D1-20220614

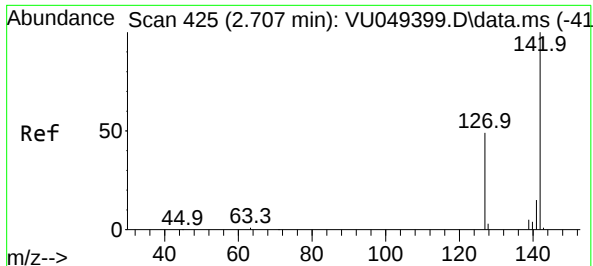
Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.262 ug/l
RT: 2.575 min Scan# 384
Delta R.T. 0.013 min
Lab File: VU049432.D
Acq: 28 Jun 2022 03:28

Tgt Ion: 101 Resp: 909
Ion Ratio Lower Upper
101 100
85 23.7 33.9 50.9#
151 72.3 64.0 96.0





#10

Methyl Iodide

Concen: 7.524 ug/l

RT: 2.716 min Scan# 41

Delta R.T. 0.010 min

Lab File: VU049432.D

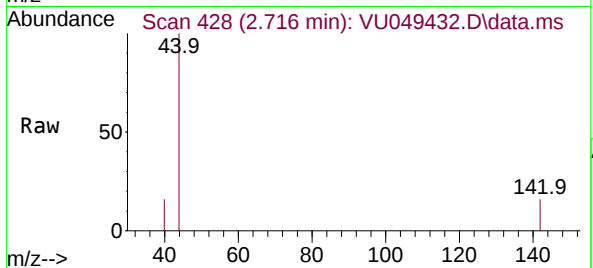
Acq: 28 Jun 2022 03:28

Instrument :

MSVOA_U

ClientSampleId :

RE108D1-20220614



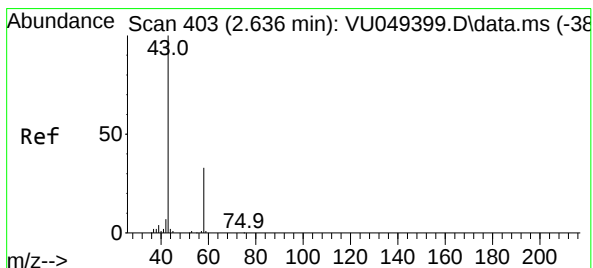
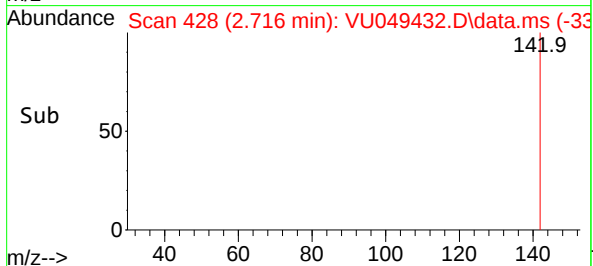
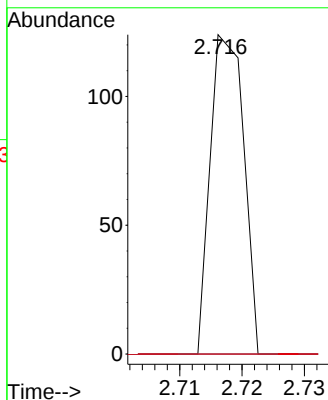
Tgt Ion:142 Resp: 46

Ion Ratio Lower Upper

142 100

127 0.0 32.5 48.7#

141 0.0 11.4 17.0#



#16

Acetone

Concen: 0.795 ug/l

RT: 2.636 min Scan# 403

Delta R.T. -0.000 min

Lab File: VU049432.D

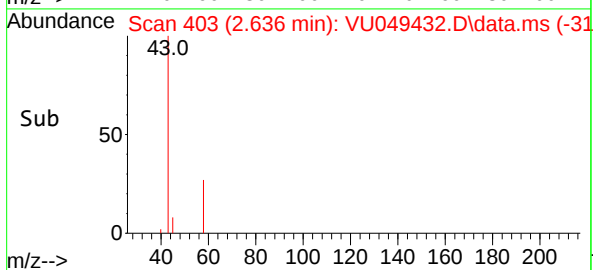
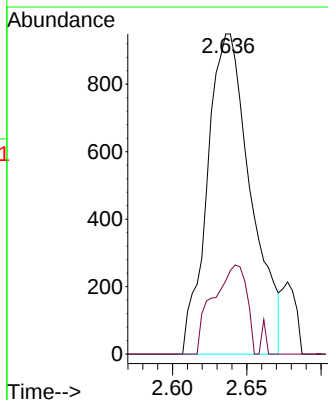
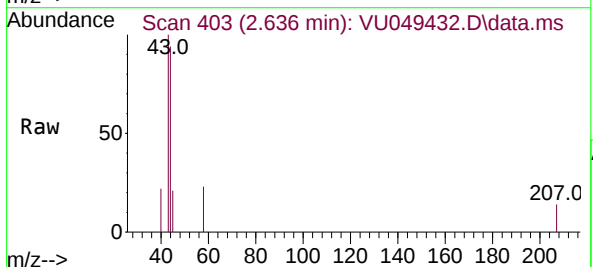
Acq: 28 Jun 2022 03:28

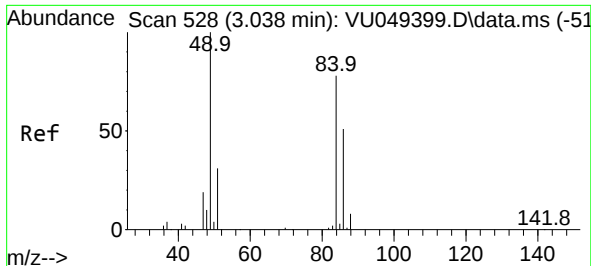
Tgt Ion: 43 Resp: 1931

Ion Ratio Lower Upper

43 100

58 22.9 27.5 41.3#

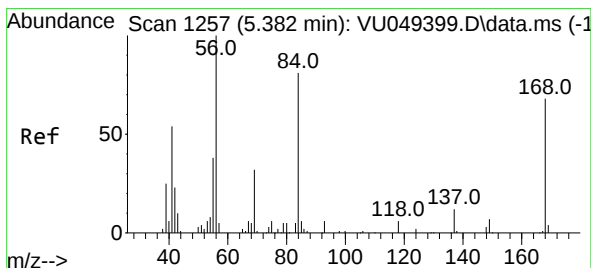
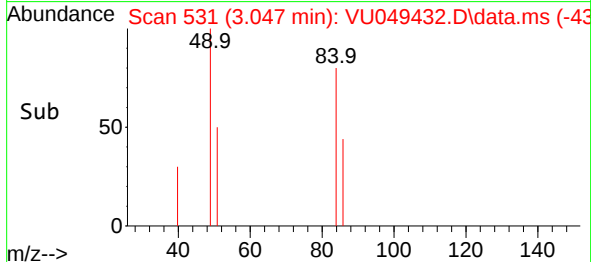
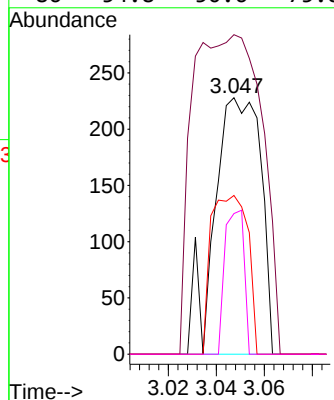
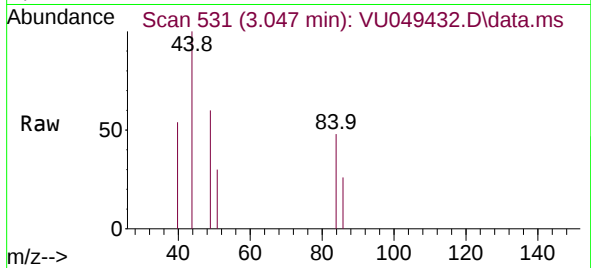




#20
Methylene Chloride
Concen: Below Cal
RT: 3.047 min Scan# 51
Delta R.T. 0.010 min
Lab File: VU049432.D
Acq: 28 Jun 2022 03:28

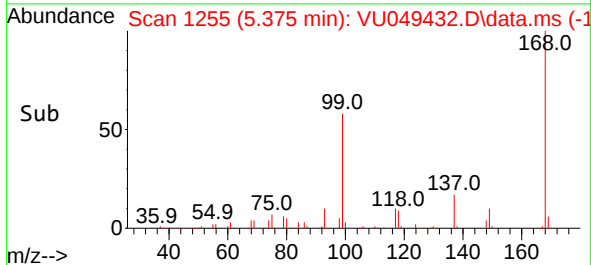
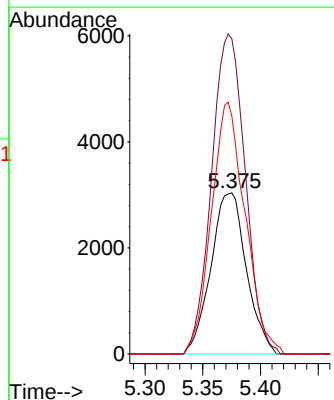
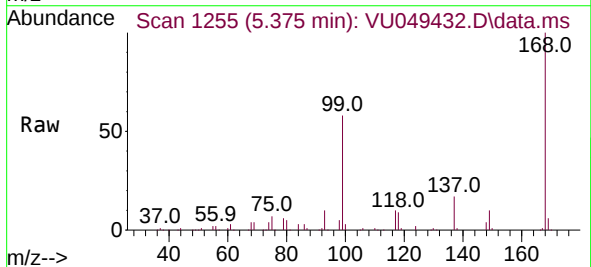
Instrument :
MSVOA_U
ClientSampleId :
RE108D1-20220614

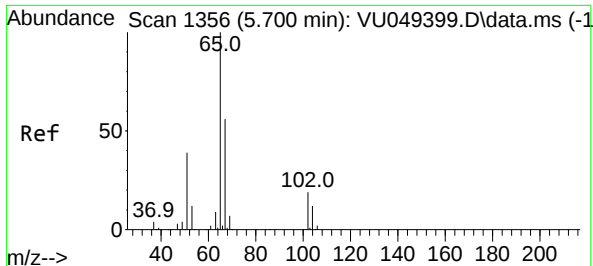
Tgt Ion:	84	Resp:	307
Ion	Ratio	Lower	Upper
84	100		
49	124.6	86.6	129.8
51	61.8	26.6	40.0#
86	54.8	50.6	75.8



#31
Cyclohexane
Concen: 0.898 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.006 min
Lab File: VU049432.D
Acq: 28 Jun 2022 03:28

Tgt Ion:	56	Resp:	6494
Ion	Ratio	Lower	Upper
56	100		
69	195.6	27.8	41.8#
84	147.5	74.2	111.4#





#33

1,2-Dichloroethane-d4

Concen: 42.398 ug/l

RT: 5.703 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049432.D

Acq: 28 Jun 2022 03:28

Instrument :

MSVOA_U

ClientSampleId :

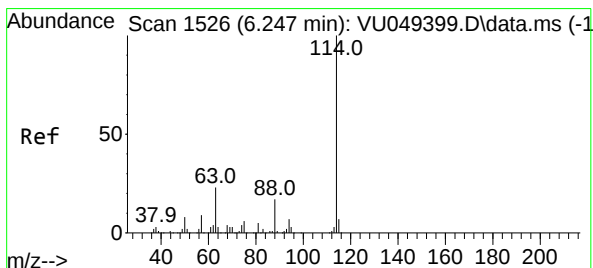
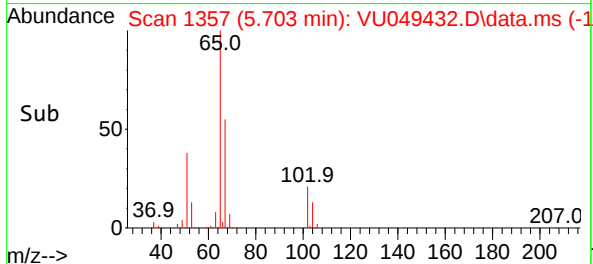
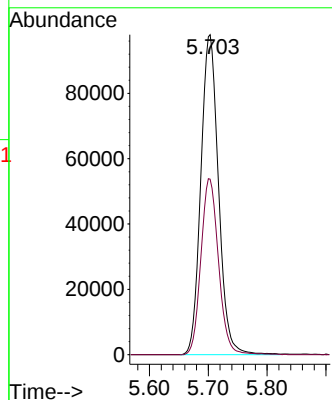
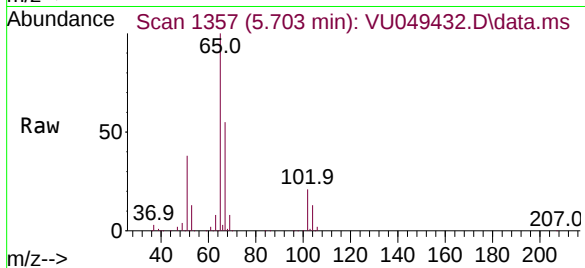
RE108D1-20220614

Tgt Ion: 65 Resp: 204136

Ion Ratio Lower Upper

65 100

67 54.8 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: VU049432.D

Acq: 28 Jun 2022 03:28

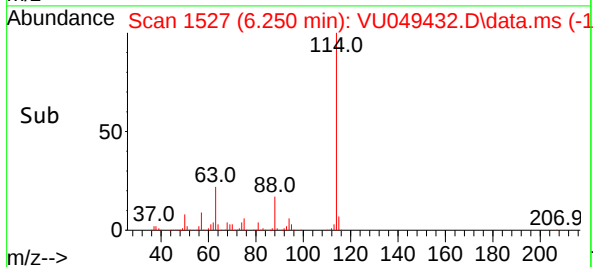
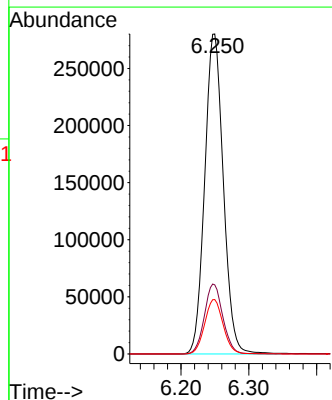
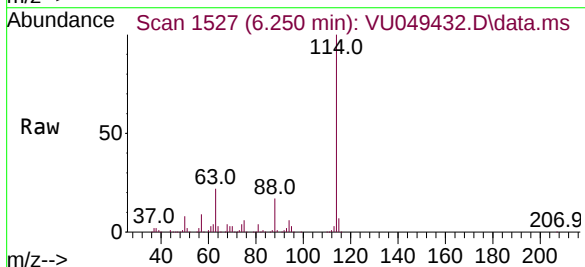
Tgt Ion: 114 Resp: 534489

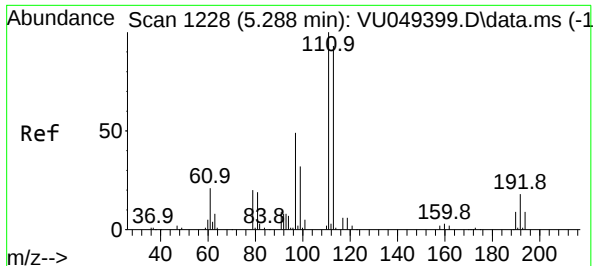
Ion Ratio Lower Upper

114 100

63 21.6 0.0 37.8

88 17.0 0.0 29.2





#35

Dibromofluoromethane

Concen: 44.652 ug/l

RT: 5.288 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049432.D

Acq: 28 Jun 2022 03:28

Instrument :

MSVOA_U

ClientSampleId :

RE108D1-20220614

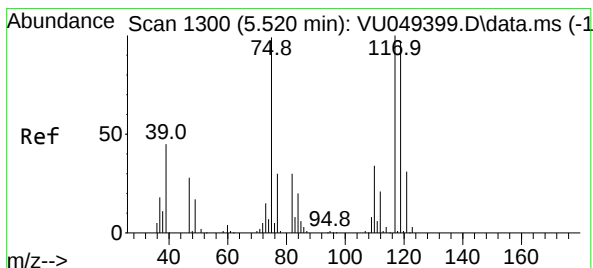
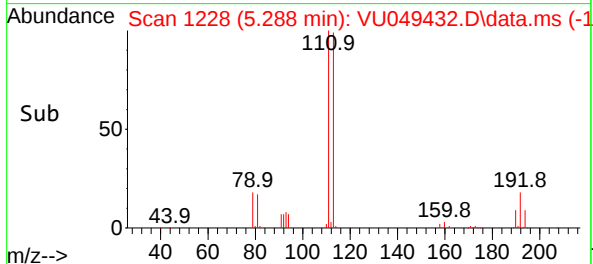
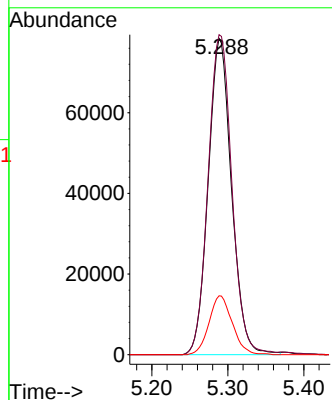
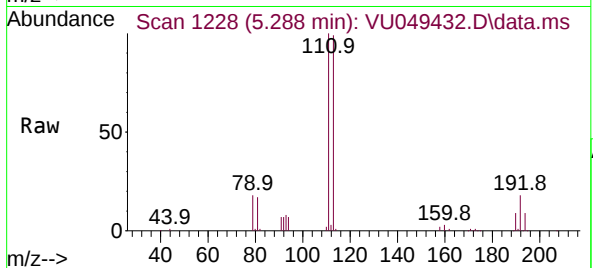
Tgt Ion:113 Resp: 166972

Ion Ratio Lower Upper

113 100

111 103.2 82.1 123.1

192 18.6 18.0 27.0



#36

1,1-Dichloropropene

Concen: 4.547 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.151 min

Lab File: VU049432.D

Acq: 28 Jun 2022 03:28

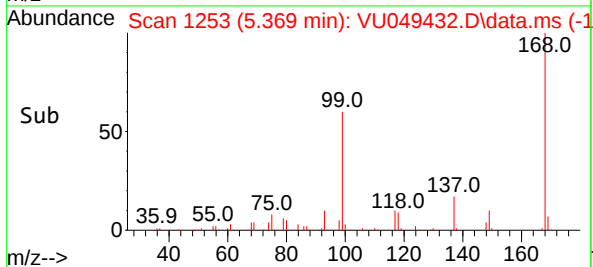
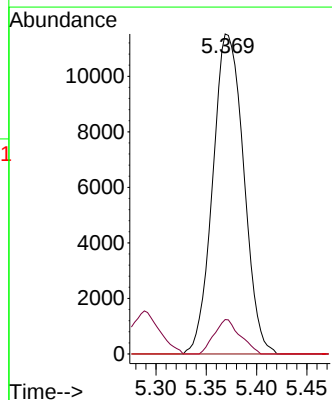
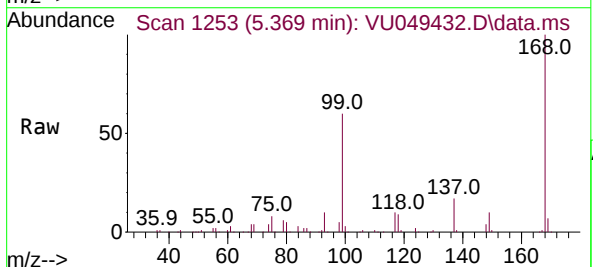
Tgt Ion: 75 Resp: 24652

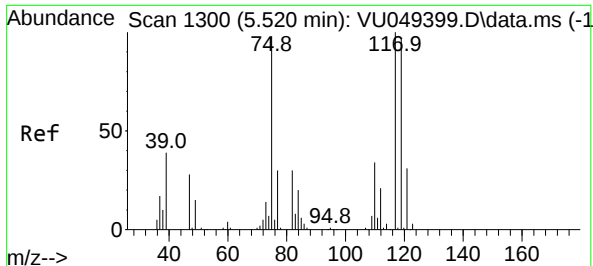
Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.2#

77 0.0 25.1 37.7#

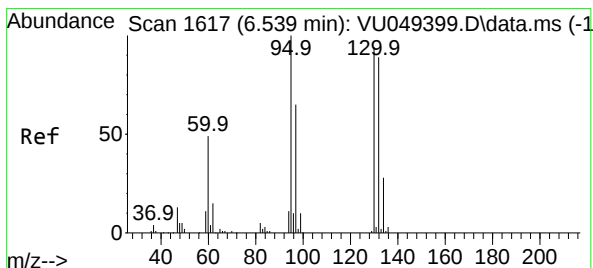
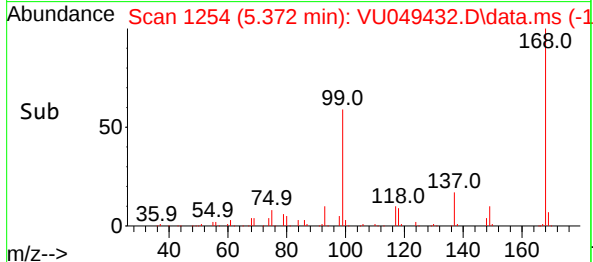
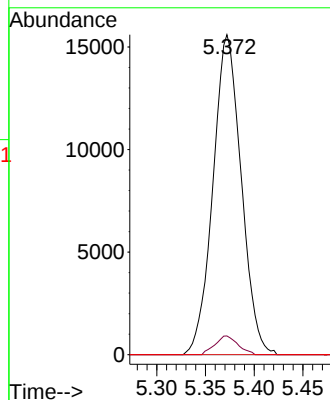
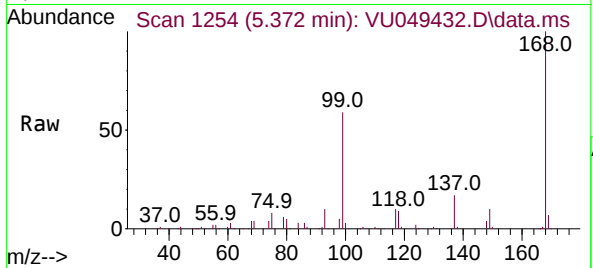




#38
Carbon Tetrachloride
Concen: 5.531 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.148 min
Lab File: VU049432.D
Acq: 28 Jun 2022 03:28

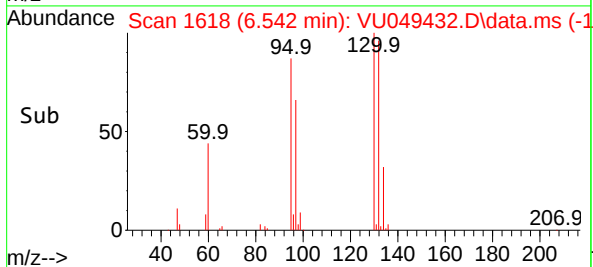
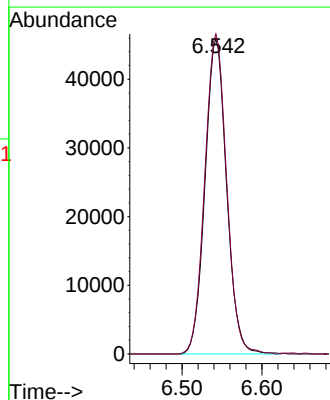
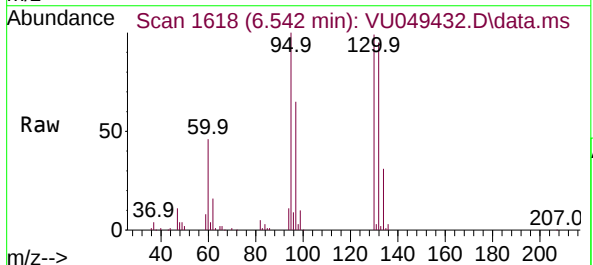
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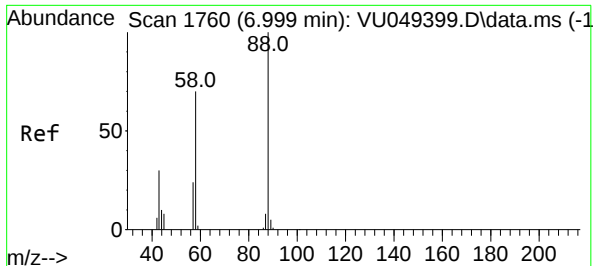
Tgt Ion:117 Resp: 31454
Ion Ratio Lower Upper
117 100
119 5.9 76.8 115.2#
121 0.0 24.7 37.1#



#44
Trichloroethene
Concen: 22.055 ug/l
RT: 6.542 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU049432.D
Acq: 28 Jun 2022 03:28

Tgt Ion:130 Resp: 85829
Ion Ratio Lower Upper
130 100
95 101.5 0.0 184.6





#49

1,4-Dioxane

Concen: 2.547 ug/l

RT: 6.999 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049432.D

Acq: 28 Jun 2022 03:28

Instrument :

MSVOA_U

ClientSampleId :

RE108D1-20220614

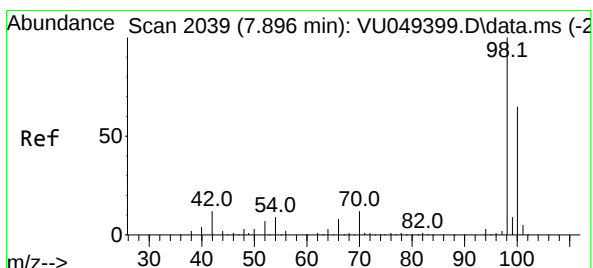
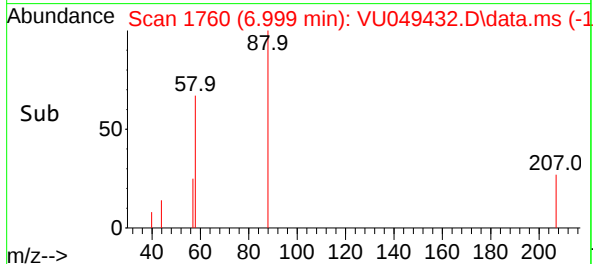
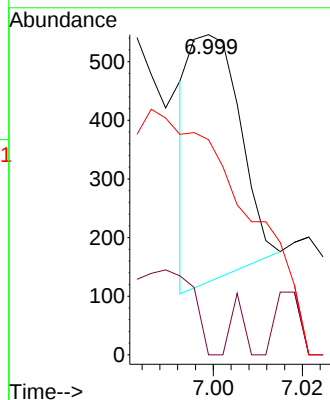
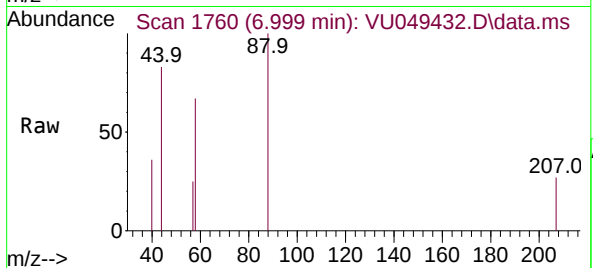
Tgt Ion: 88 Resp: 332

Ion Ratio Lower Upper

88 100

43 6.0 0.0 0.0#

58 0.0 15.4 23.0#



#50

Toluene-d8

Concen: 47.656 ug/l

RT: 7.896 min Scan# 2039

Delta R.T. 0.000 min

Lab File: VU049432.D

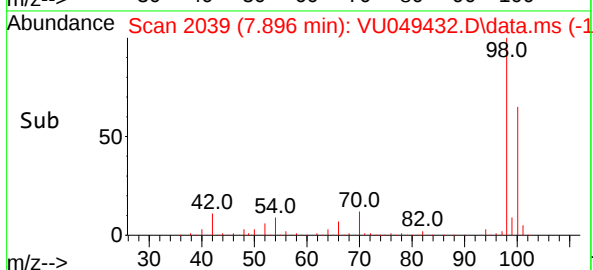
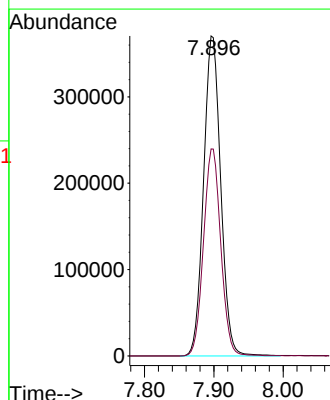
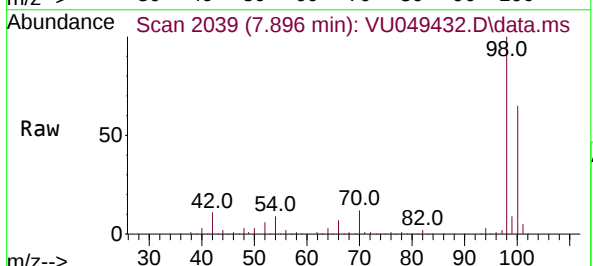
Acq: 28 Jun 2022 03:28

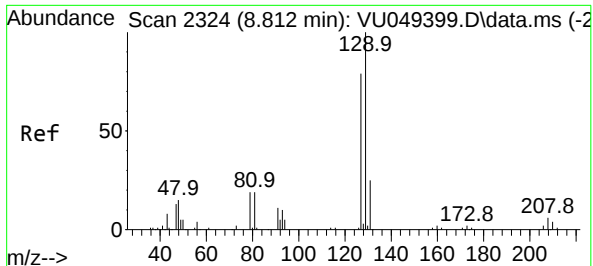
Tgt Ion: 98 Resp: 635612

Ion Ratio Lower Upper

98 100

100 65.2 51.7 77.5

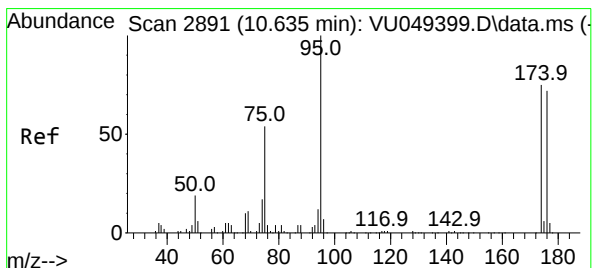
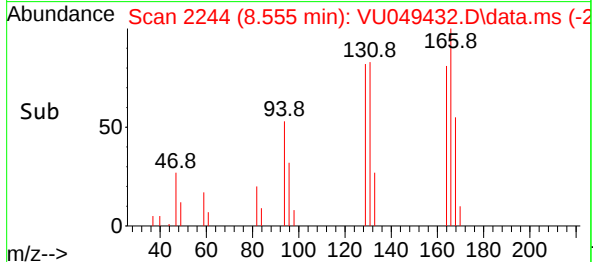
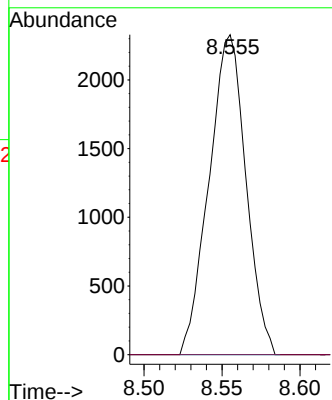
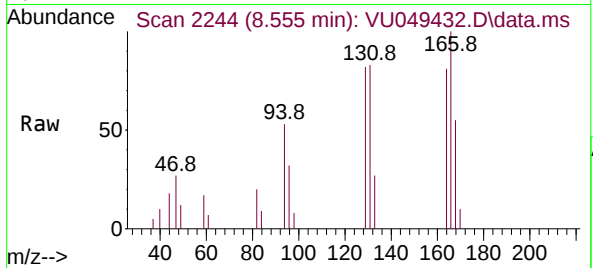




#60
Dibromochloromethane
Concen: 0.915 ug/l
RT: 8.555 min Scan# 211
Delta R.T. -0.257 min
Lab File: VU049432.D
Acq: 28 Jun 2022 03:28

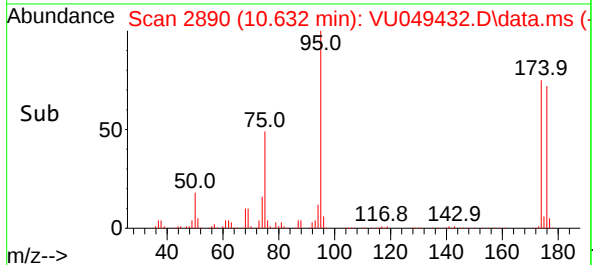
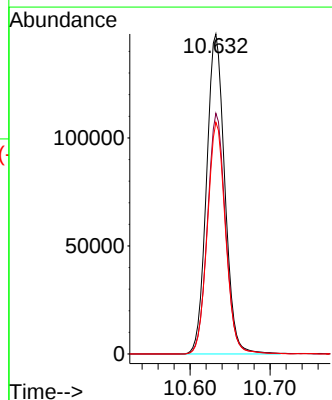
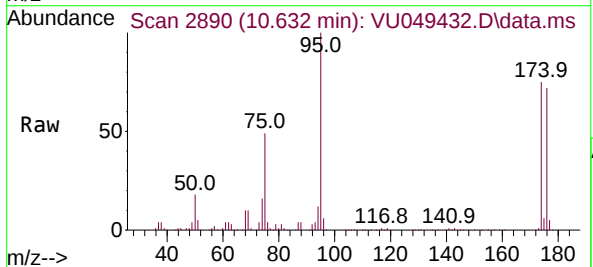
Instrument :
MSVOA_U
ClientSampleId :
RE108D1-20220614

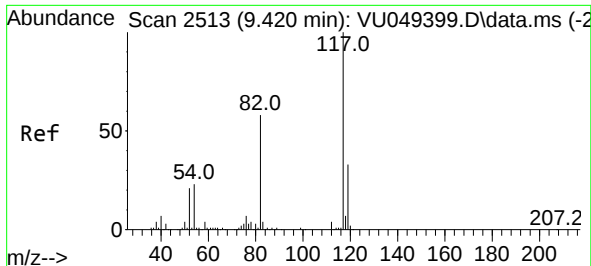
Tgt Ion:129 Resp: 3828
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 45.978 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049432.D
Acq: 28 Jun 2022 03:28

Tgt Ion: 95 Resp: 234911
Ion Ratio Lower Upper
95 100
174 74.8 0.0 182.0
176 72.0 0.0 177.8

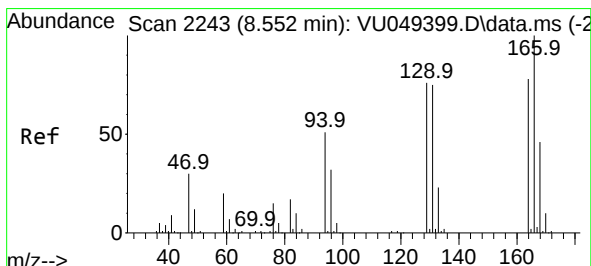
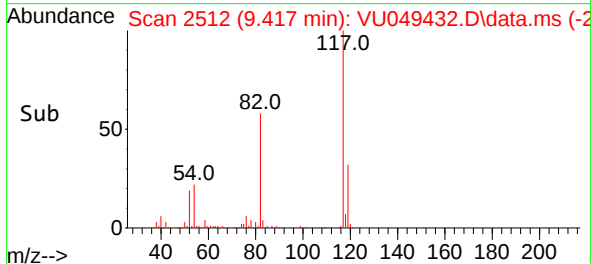
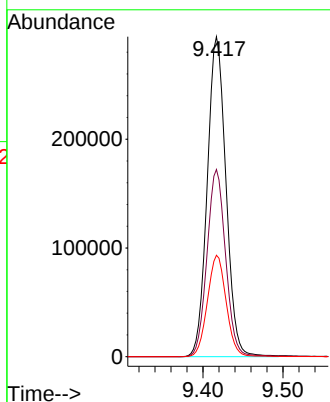
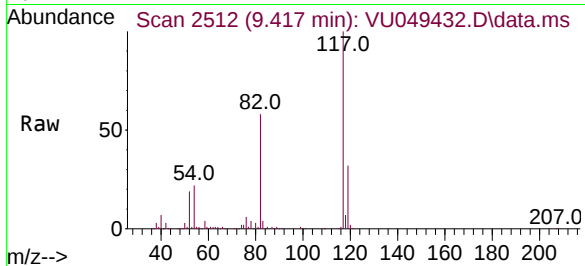




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049432.D
Acq: 28 Jun 2022 03:28

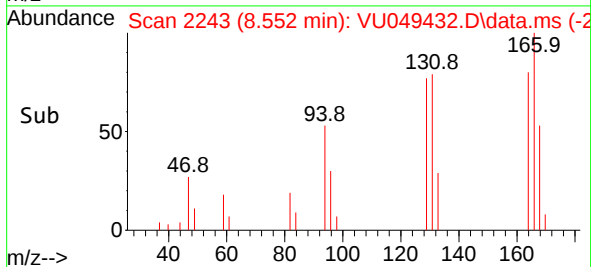
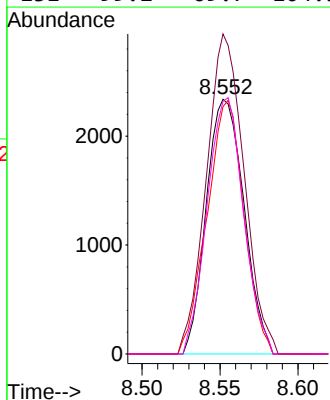
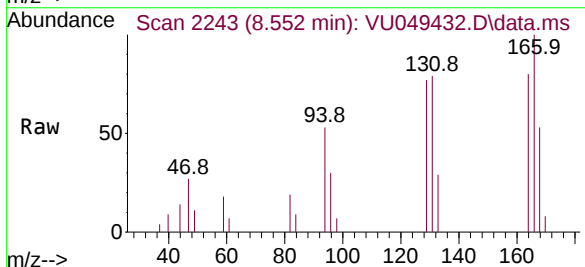
Instrument :
MSVOA_U
ClientSampleId :
RE108D1-20220614

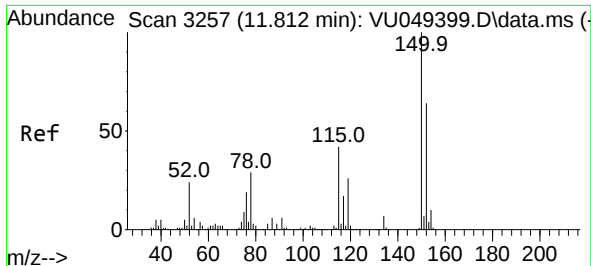
Tgt Ion:117 Resp: 479006
Ion Ratio Lower Upper
117 100
82 58.5 41.7 62.5
119 31.7 25.7 38.5



#64
Tetrachloroethene
Concen: 1.280 ug/l
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049432.D
Acq: 28 Jun 2022 03:28

Tgt Ion:164 Resp: 3933
Ion Ratio Lower Upper
164 100
166 125.6 100.0 150.0
129 97.1 72.0 108.0
131 99.2 69.7 104.5

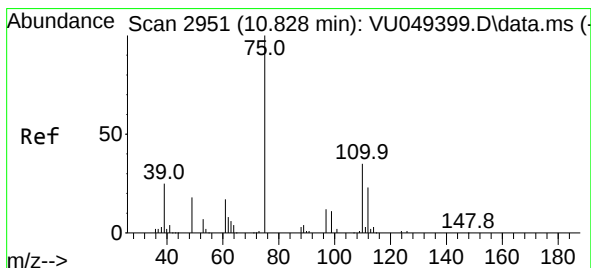
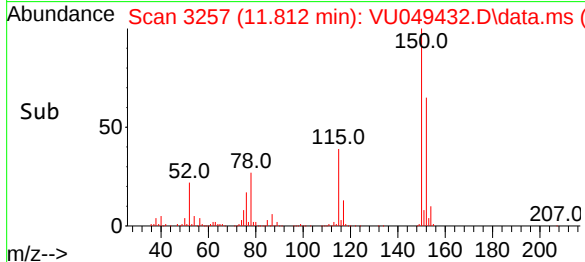
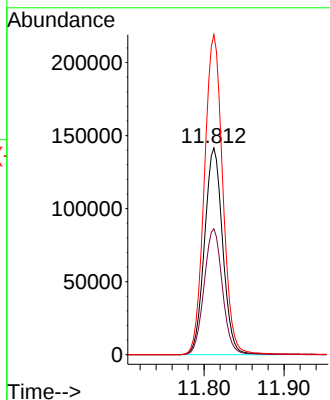
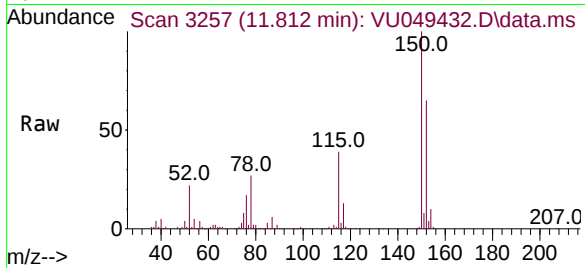




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU049432.D
Acq: 28 Jun 2022 03:28

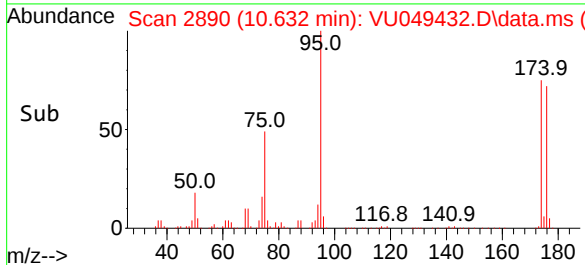
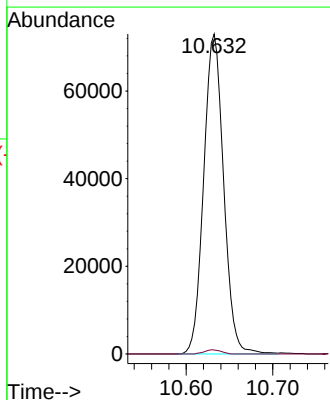
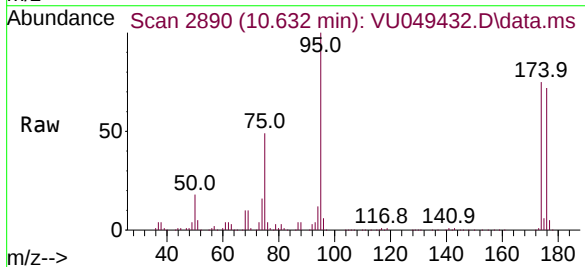
Instrument :
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ClientSampleId :
RE108D1-20220614

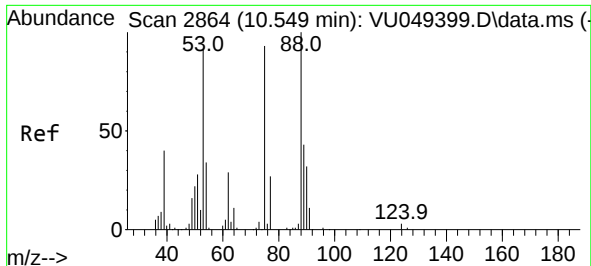
Tgt Ion:152 Resp: 223991
Ion Ratio Lower Upper
152 100
115 61.4 37.0 110.9
150 156.5 0.0 342.2



#76
1,2,3-Trichloropropane
Concen: 15.375 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049432.D
Acq: 28 Jun 2022 03:28

Tgt Ion: 75 Resp: 116740
Ion Ratio Lower Upper
75 100
77 1.1 15.8 47.3#

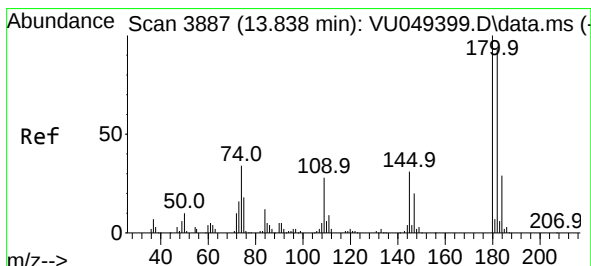
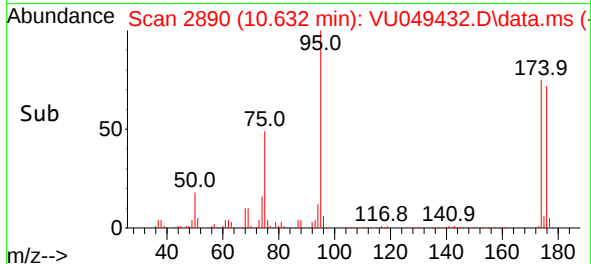
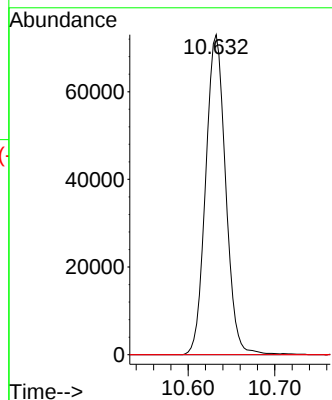
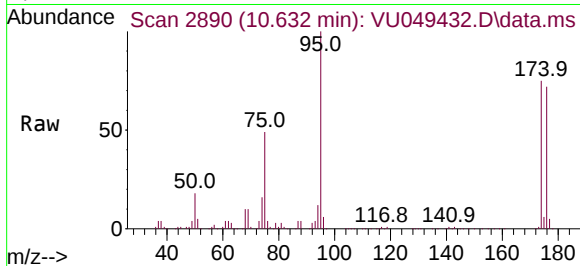




#81
trans-1,4-Dichloro-2-butene
Concen: 56.776 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049432.D
Acq: 28 Jun 2022 03:28

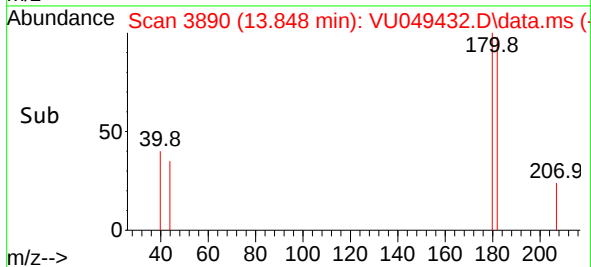
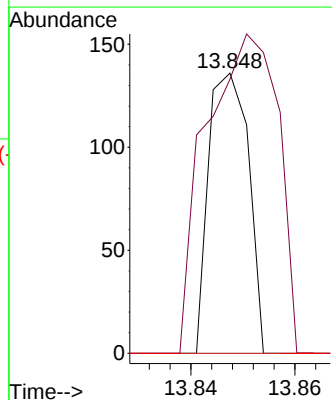
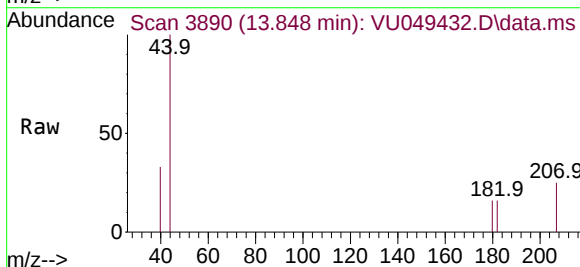
Instrument :
MSVOA_U
ClientSampleId :
RE108D1-20220614

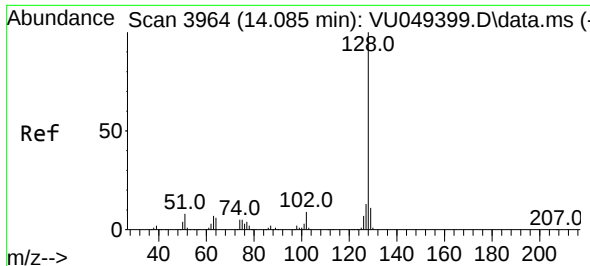
Tgt Ion: 75 Resp: 116740
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.768 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.010 min
Lab File: VU049432.D
Acq: 28 Jun 2022 03:28

Tgt Ion: 180 Resp: 72
Ion Ratio Lower Upper
180 100
182 206.9 47.9 143.6#
145 0.0 14.0 41.9#

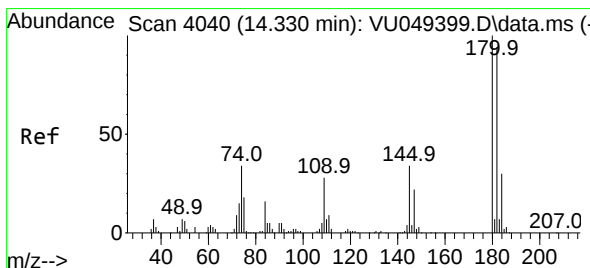
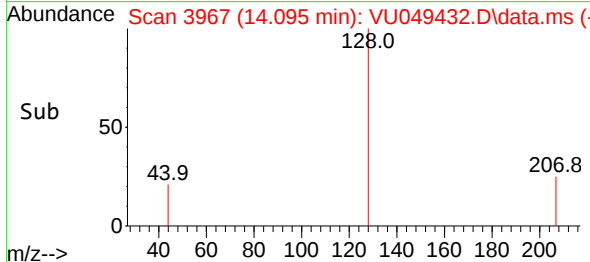
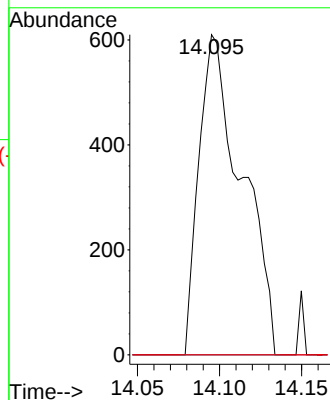
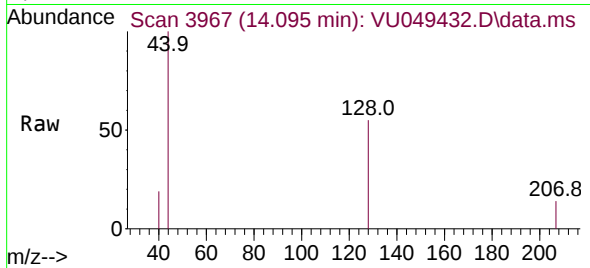




#95
Naphthalene
Concen: 1.797 ug/l
RT: 14.095 min Scan# 3964
Delta R.T. 0.010 min
Lab File: VU049432.D
Acq: 28 Jun 2022 03:28

Instrument :
MSVOA_U
ClientSampleId :
RE108D1-20220614

Tgt Ion:128 Resp: 1106
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.191 ug/l
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU049432.D
Acq: 28 Jun 2022 03:28

Tgt Ion:180 Resp: 73
Ion Ratio Lower Upper
180 100
182 145.2 48.4 145.0#
145 0.0 14.8 44.4#

