

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049547.D
 Acq On : 30 Jun 2022 05:53
 Operator : SY/MD
 Sample : N3507-04 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE137-20220624

Quant Time: Jun 30 09:13:57 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)

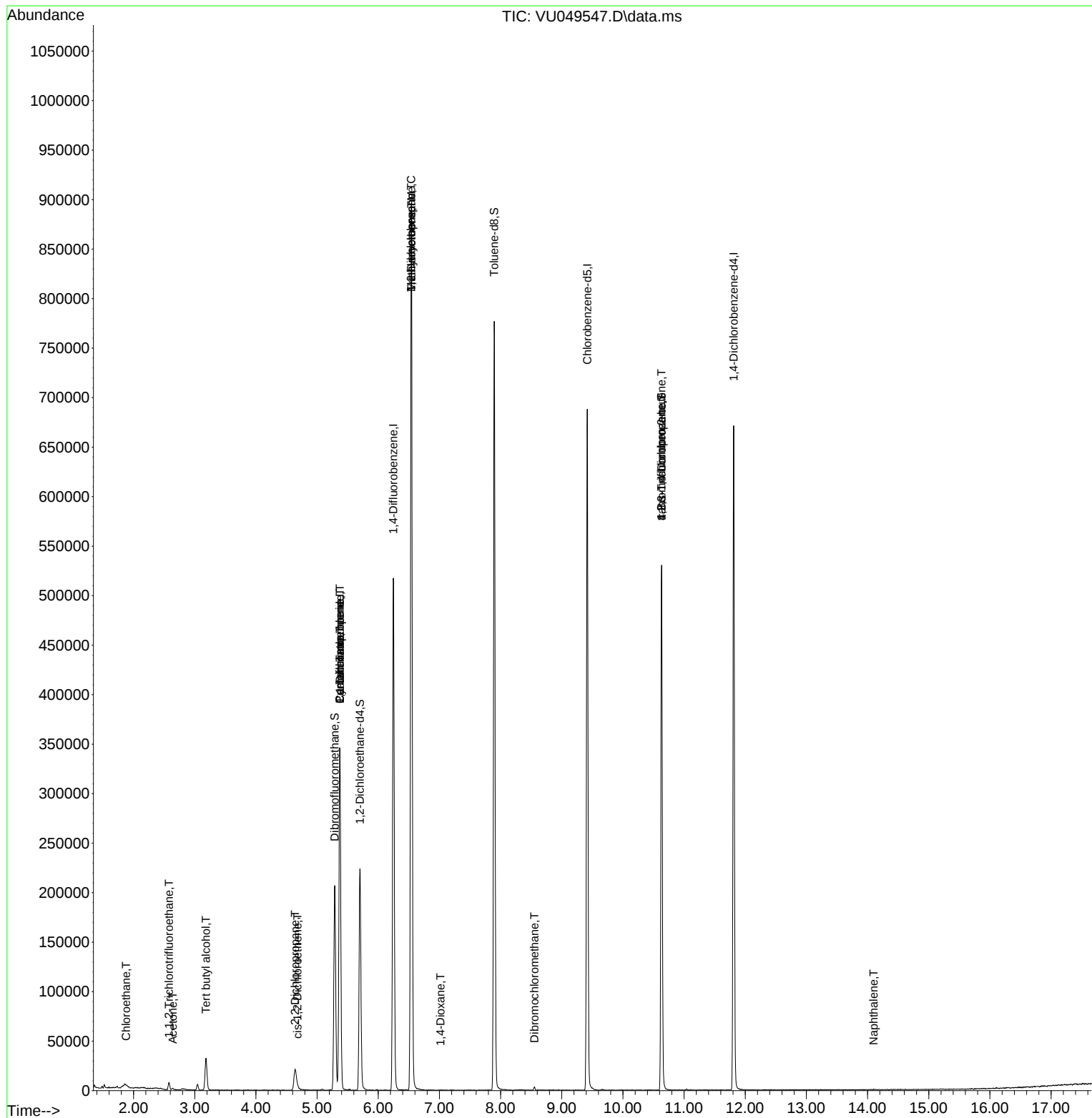
Internal Standards						
1) Pentafluorobenzene	5.372	168	237642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	417868	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	385690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	177042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	170169	46.496	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.000%
35) Dibromofluoromethane	5.289	113	135658	46.402	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.800%
50) Toluene-d8	7.896	98	507479	48.668	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.340%
62) 4-Bromofluorobenzene	10.632	95	181650	45.476	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.960%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	2619	Below Cal		95
6) Chloroethane	1.877	64	40	1.937	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.578	101	3072	1.165	ug/l	95
11) Tert butyl alcohol	3.183	59	19693	22.989	ug/l #	37
16) Acetone	2.642	43	2132	1.155	ug/l #	76
26) 2,2-Dichloropropane	4.642	77	1545	0.324	ug/l #	52
27) cis-1,2-Dichloroethene	4.678	96	703	0.219	ug/l	71
31) Cyclohexane	5.372	56	5222	0.950	ug/l #	10
36) 1,1-Dichloropropene	5.372	75	20238	4.774	ug/l #	49
38) Carbon Tetrachloride	5.372	117	23727	5.337	ug/l #	17
39) Methylcyclohexane	6.539	83	3972	0.782	ug/l #	1
44) Trichloroethene	6.543	130	299872	98.563	ug/l	90
45) 1,2-Dichloropropane	6.539	63	1135	0.320	ug/l #	1
49) 1,4-Dioxane	7.018	88	45	0.442	ug/l #	58
60) Dibromochloromethane	8.552	129	759	0.232	ug/l #	11
76) 1,2,3-Trichloropropane	10.632	75	93590	15.594	ug/l #	46
81) trans-1,4-Dichloro-2-b...	10.632	75	93590	57.588	ug/l #	15
95) Naphthalene	14.098	128	76	1.741	ug/l #	69

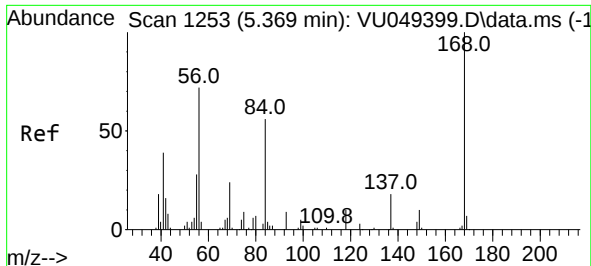
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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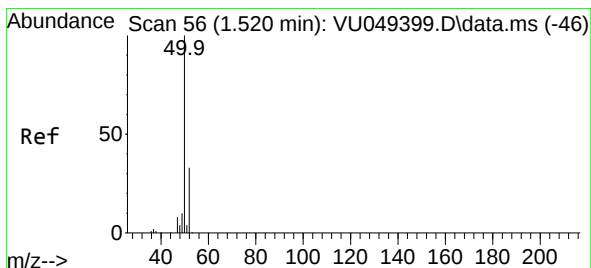
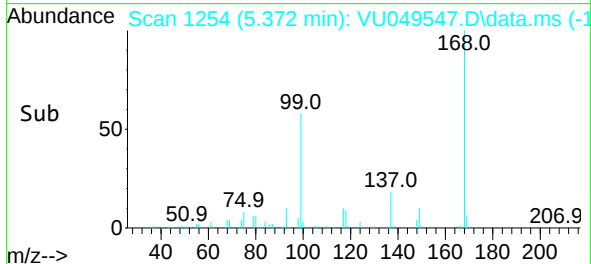
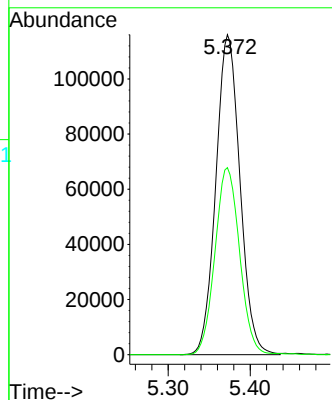
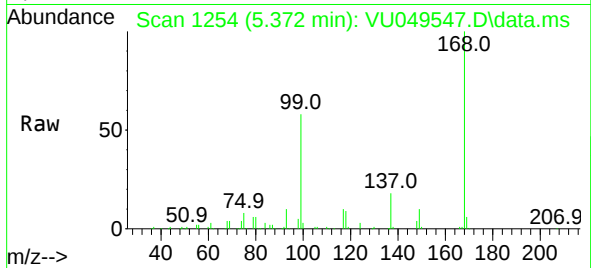




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049547.D
Acq: 30 Jun 2022 05:53

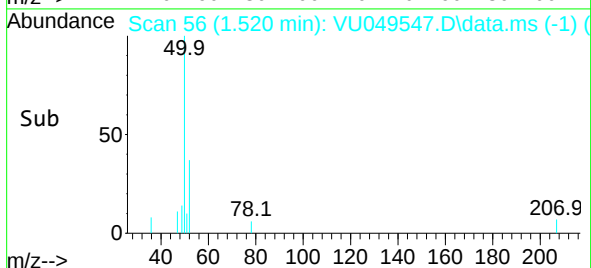
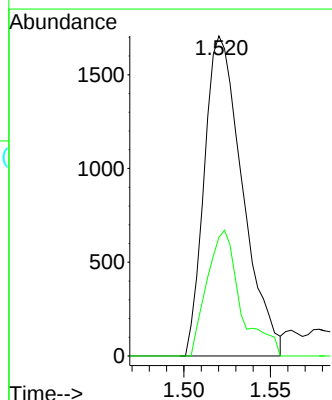
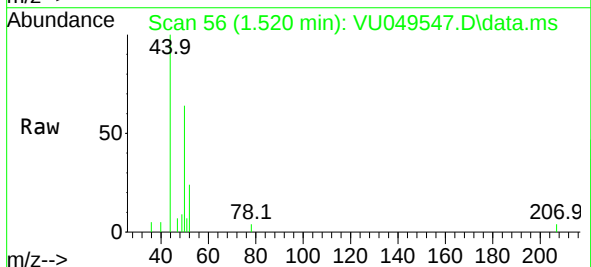
Instrument :
MSVOA_U
ClientSampleId :
RE137-20220624

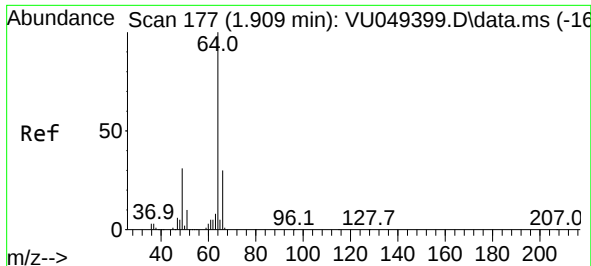
Tgt Ion:168 Resp: 237642
Ion Ratio Lower Upper
168 100
99 58.5 39.3 58.9



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049547.D
Acq: 30 Jun 2022 05:53

Tgt Ion: 50 Resp: 2619
Ion Ratio Lower Upper
50 100
52 37.1 27.4 41.2

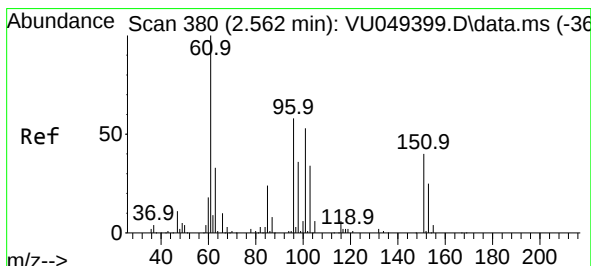
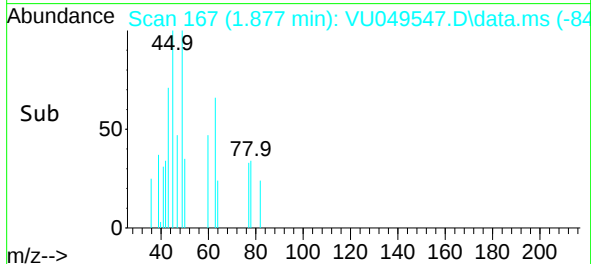
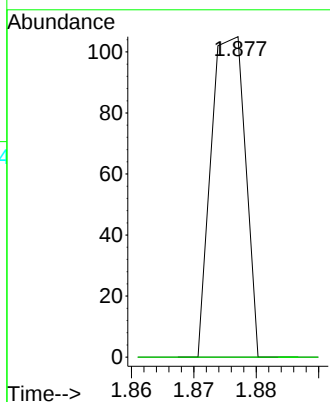
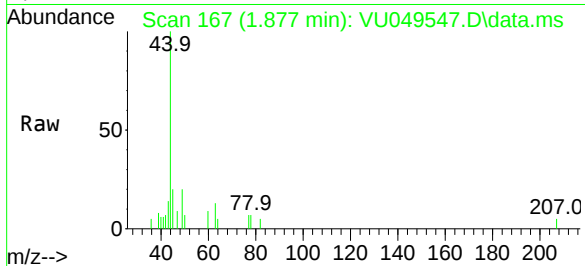




#6
Chloroethane
Concen: 1.937 ug/l
RT: 1.877 min Scan# 1
Delta R.T. -0.032 min
Lab File: VU049547.D
Acq: 30 Jun 2022 05:53

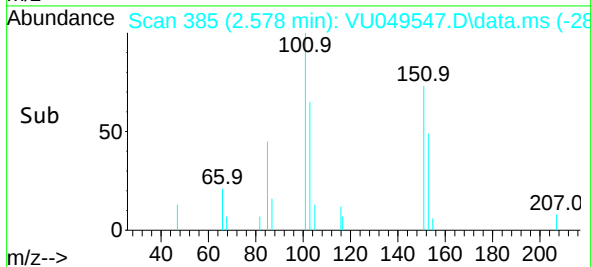
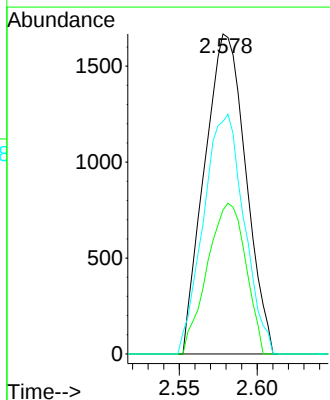
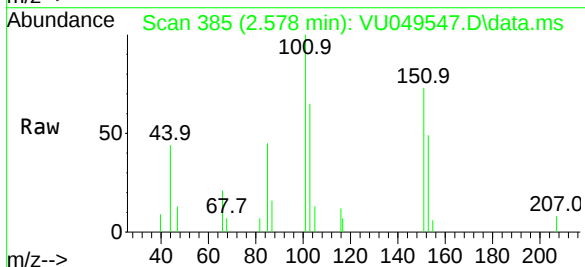
Instrument :
MSVOA_U
ClientSampleId :
RE137-20220624

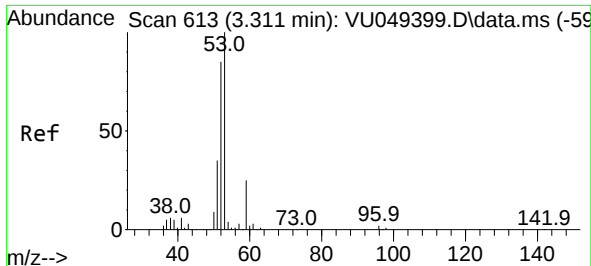
Tgt Ion: 64 Resp: 40
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.165 ug/l
RT: 2.578 min Scan# 385
Delta R.T. 0.016 min
Lab File: VU049547.D
Acq: 30 Jun 2022 05:53

Tgt Ion:101 Resp: 3072
Ion Ratio Lower Upper
101 100
85 43.9 33.9 50.9
151 73.8 64.0 96.0





#11

Tert butyl alcohol

Concen: 22.989 ug/l

RT: 3.183 min Scan# 51

Delta R.T. -0.128 min

Lab File: VU049547.D

Acq: 30 Jun 2022 05:53

Instrument :

MSVOA_U

ClientSampleId :

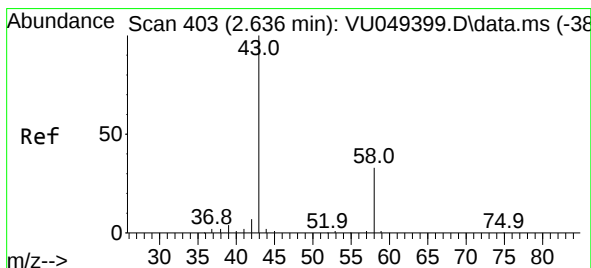
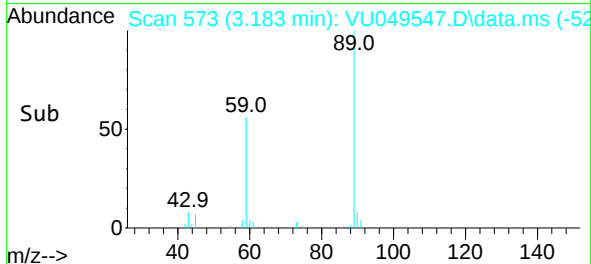
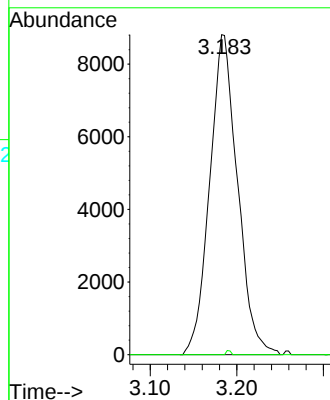
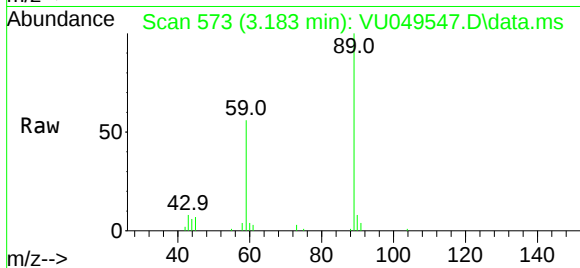
RE137-20220624

Tgt Ion: 59 Resp: 19693

Ion Ratio Lower Upper

59 100

57 0.2 30.6 45.8#



#16

Acetone

Concen: 1.155 ug/l

RT: 2.642 min Scan# 405

Delta R.T. 0.007 min

Lab File: VU049547.D

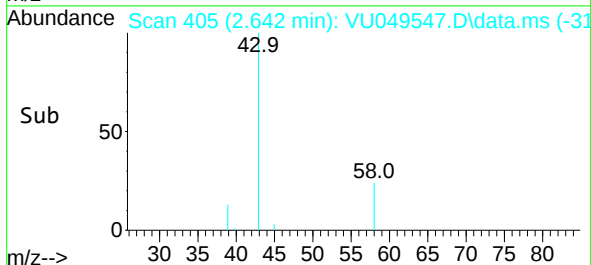
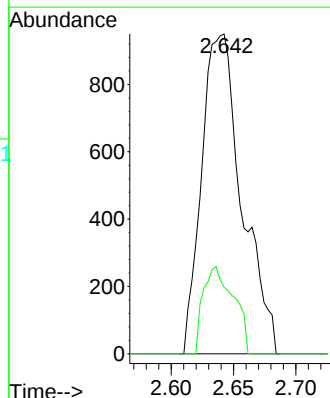
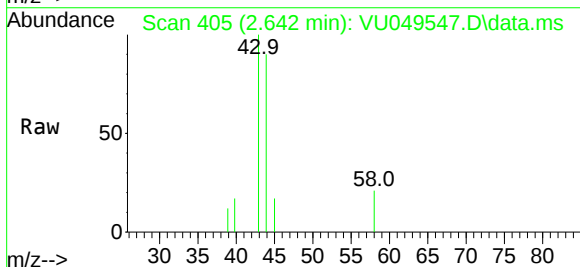
Acq: 30 Jun 2022 05:53

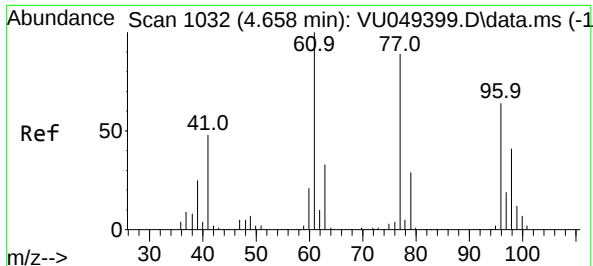
Tgt Ion: 43 Resp: 2132

Ion Ratio Lower Upper

43 100

58 20.8 27.5 41.3#





#26

2,2-Dichloropropane

Concen: 0.324 ug/l

RT: 4.642 min Scan# 1032

Delta R.T. -0.016 min

Lab File: VU049547.D

Acq: 30 Jun 2022 05:53

Instrument :

MSVOA_U

ClientSampleId :

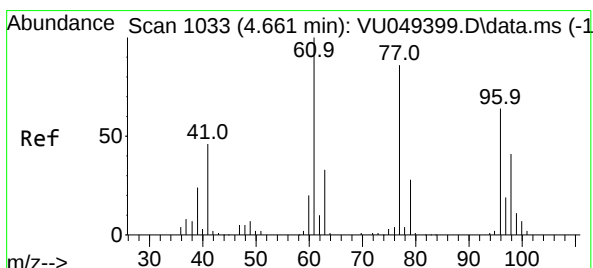
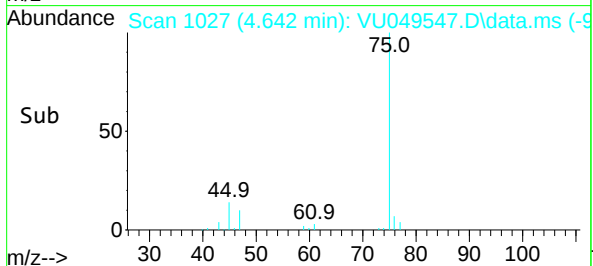
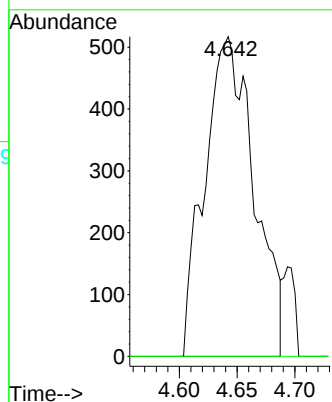
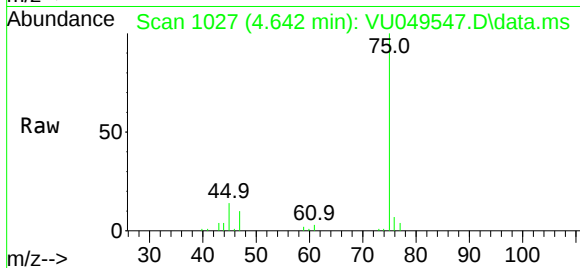
RE137-20220624

Tgt Ion: 77 Resp: 1545

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#



#27

cis-1,2-Dichloroethene

Concen: 0.219 ug/l

RT: 4.678 min Scan# 1038

Delta R.T. 0.016 min

Lab File: VU049547.D

Acq: 30 Jun 2022 05:53

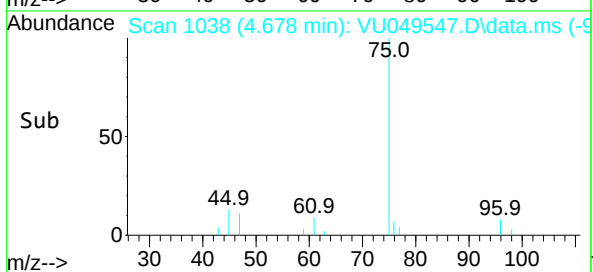
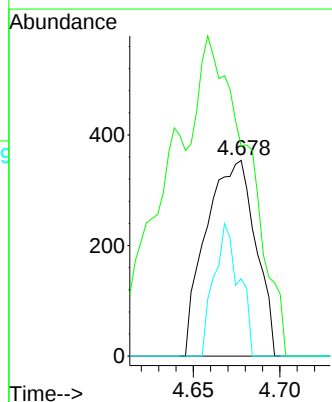
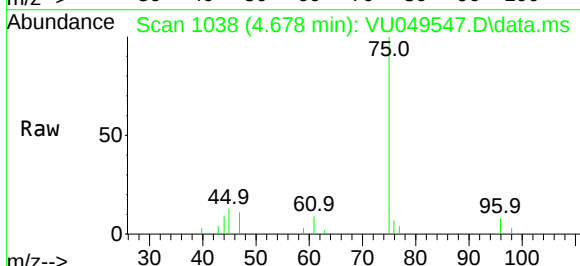
Tgt Ion: 96 Resp: 703

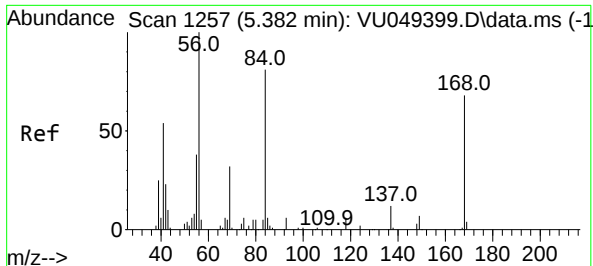
Ion Ratio Lower Upper

96 100

61 164.9 0.0 271.6

98 34.4 0.0 128.2

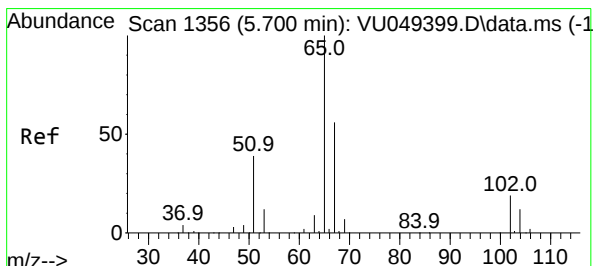
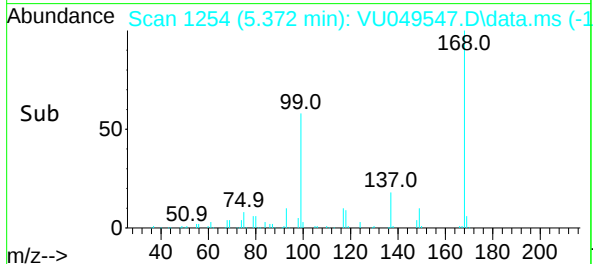
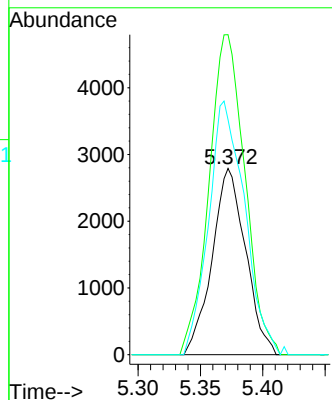
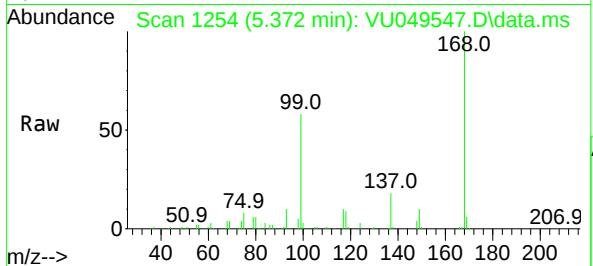




#31
Cyclohexane
Concen: 0.950 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.010 min
Lab File: VU049547.D
Acq: 30 Jun 2022 05:53

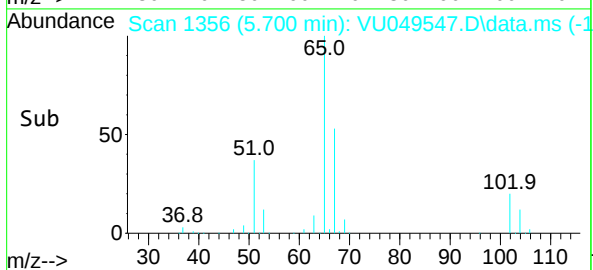
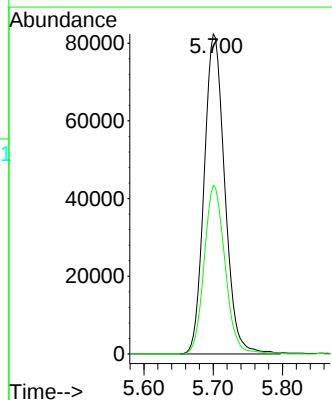
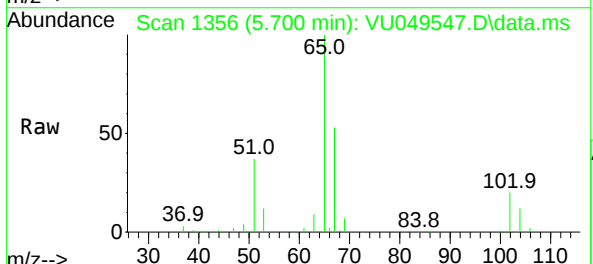
Instrument :
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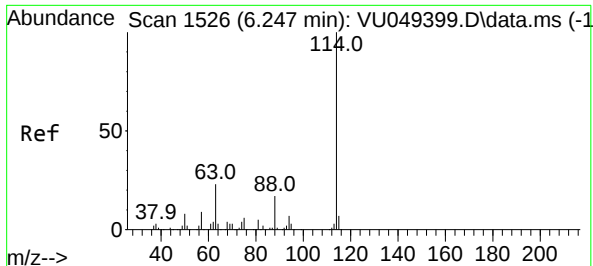
Tgt Ion: 56 Resp: 5222
Ion Ratio Lower Upper
56 100
69 171.9 27.8 41.8#
84 126.2 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 46.496 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU049547.D
Acq: 30 Jun 2022 05:53

Tgt Ion: 65 Resp: 170169
Ion Ratio Lower Upper
65 100
67 53.1 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049547.D

Acq: 30 Jun 2022 05:53

Instrument :

MSVOA_U

ClientSampleId :

RE137-20220624

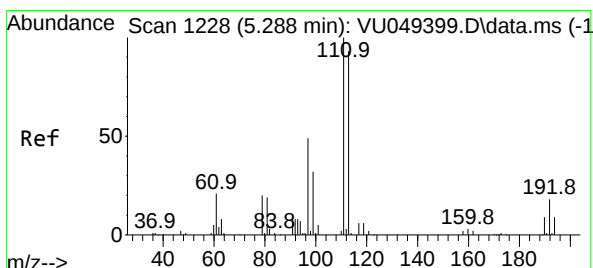
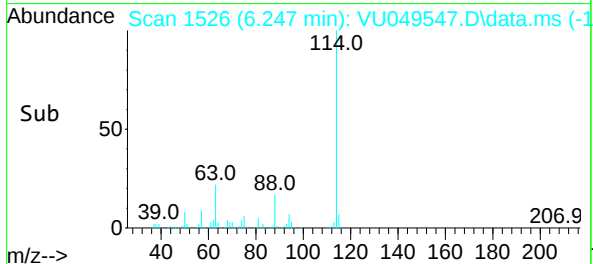
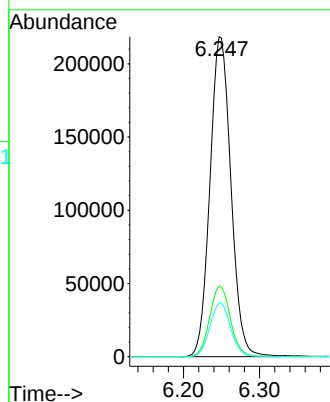
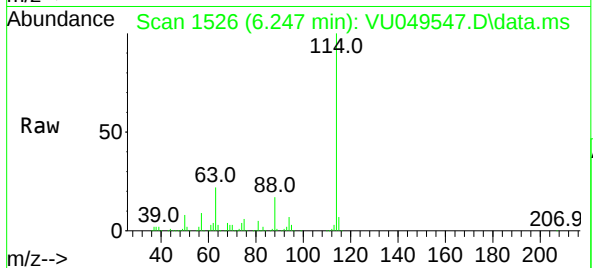
Tgt Ion:114 Resp: 417868

Ion Ratio Lower Upper

114 100

63 22.0 0.0 37.8

88 16.7 0.0 29.2



#35

Dibromofluoromethane

Concen: 46.402 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049547.D

Acq: 30 Jun 2022 05:53

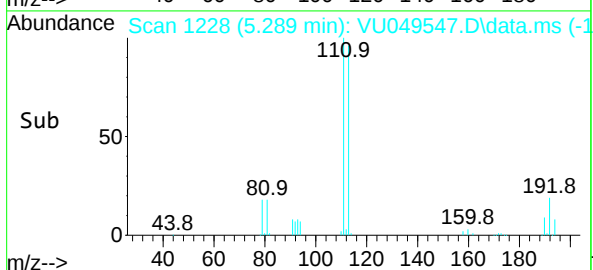
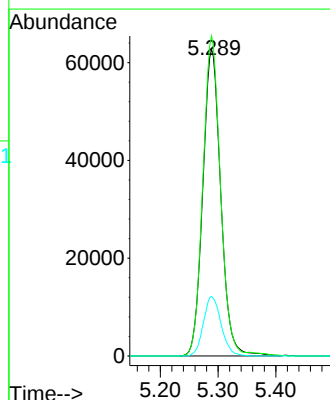
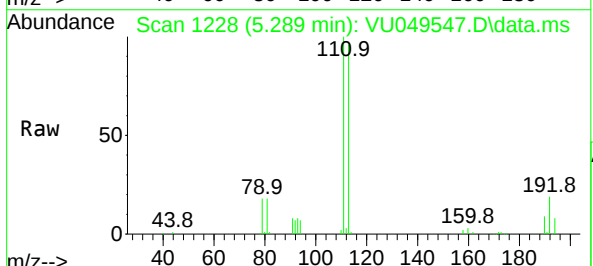
Tgt Ion:113 Resp: 135658

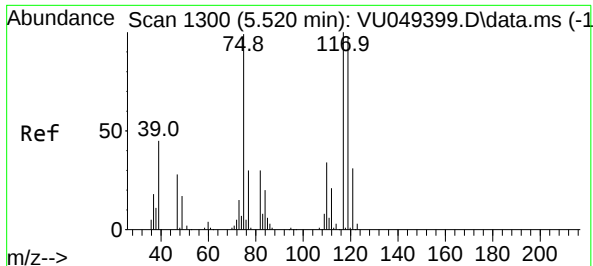
Ion Ratio Lower Upper

113 100

111 101.5 82.1 123.1

192 19.1 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.774 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.148 min

Lab File: VU049547.D

Acq: 30 Jun 2022 05:53

Instrument :

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ClientSampleId :

RE137-20220624

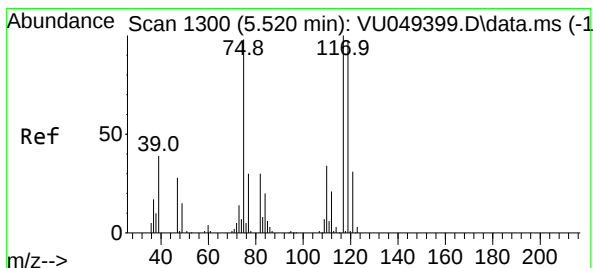
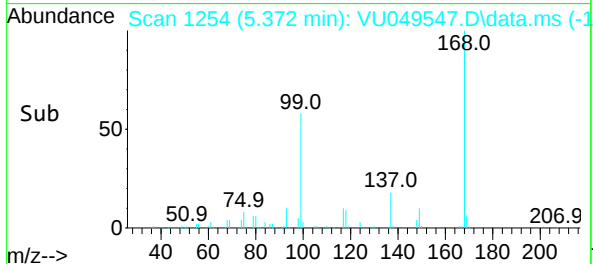
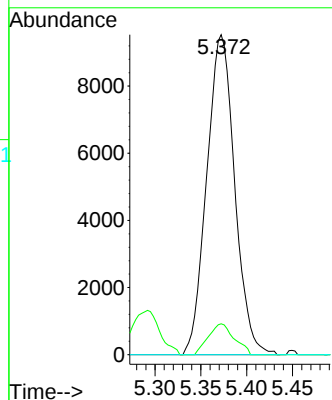
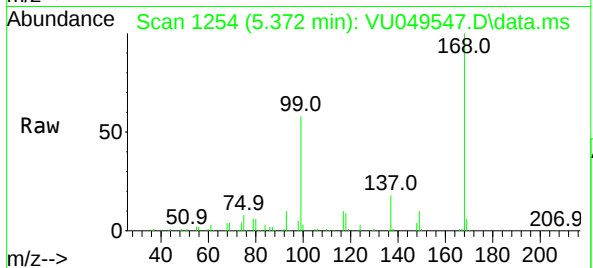
Tgt Ion: 75 Resp: 20238

Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.337 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049547.D

Acq: 30 Jun 2022 05:53

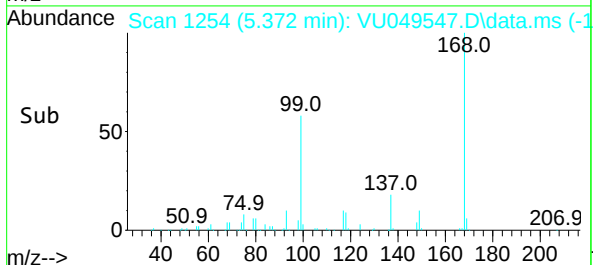
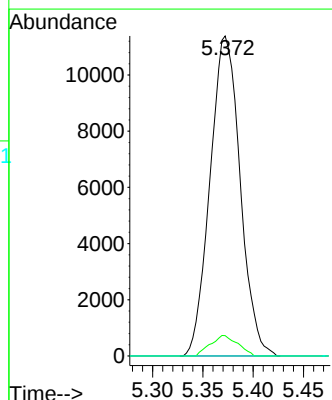
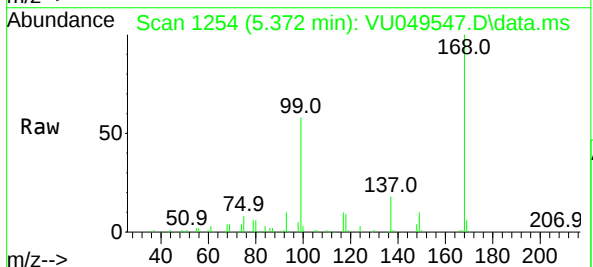
Tgt Ion: 117 Resp: 23727

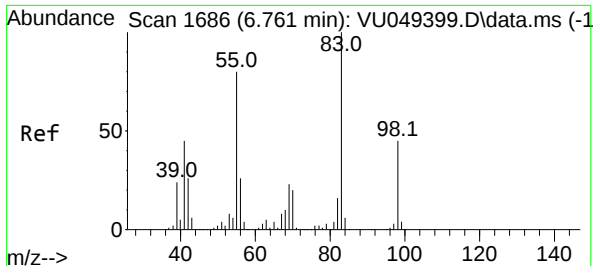
Ion Ratio Lower Upper

117 100

119 6.3 76.8 115.2#

121 0.0 24.7 37.1#





#39

Methylcyclohexane

Concen: 0.782 ug/l

RT: 6.539 min Scan# 1

Delta R.T. -0.222 min

Lab File: VU049547.D

Acq: 30 Jun 2022 05:53

Instrument :

MSVOA_U

ClientSampleId :

RE137-20220624

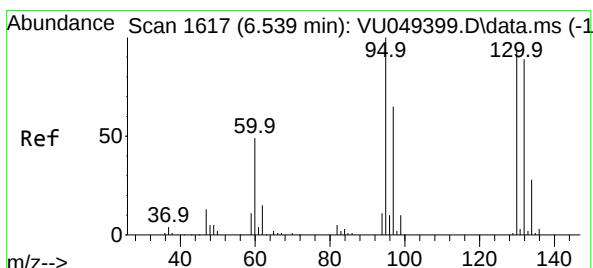
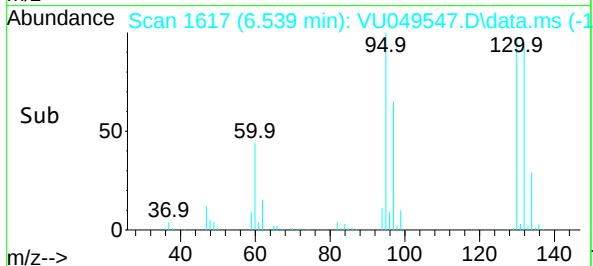
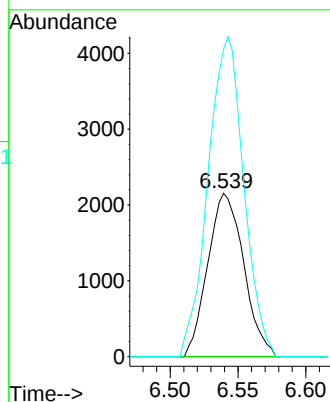
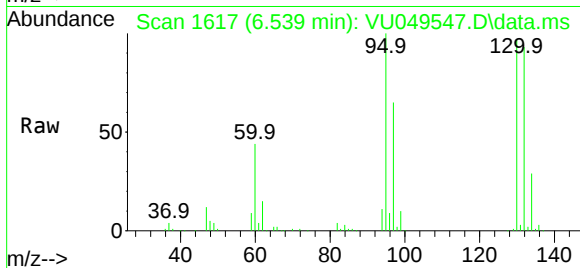
Tgt Ion: 83 Resp: 3972

Ion Ratio Lower Upper

83 100

55 0.0 55.3 82.9#

98 188.1 37.3 55.9#



#44

Trichloroethene

Concen: 98.563 ug/l

RT: 6.543 min Scan# 1618

Delta R.T. 0.003 min

Lab File: VU049547.D

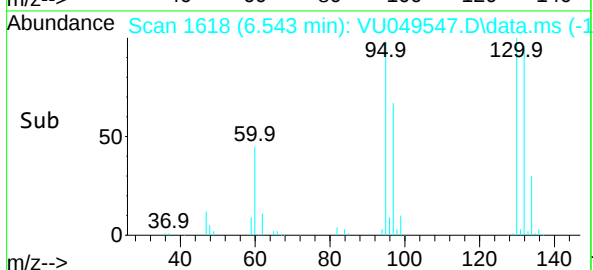
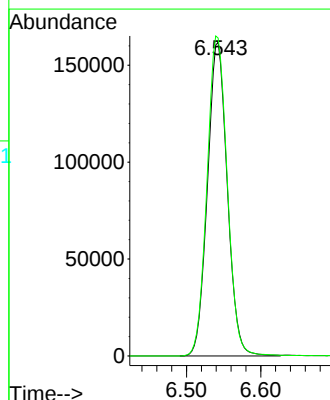
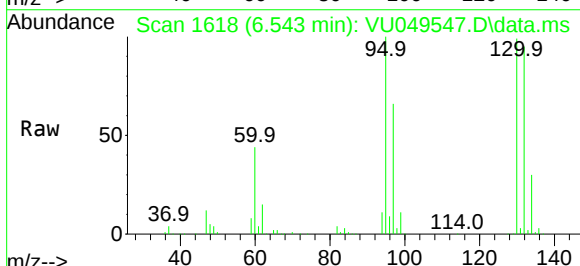
Acq: 30 Jun 2022 05:53

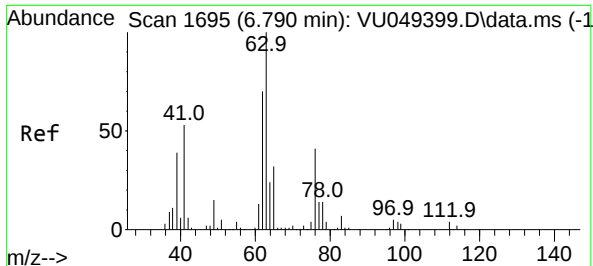
Tgt Ion:130 Resp: 299872

Ion Ratio Lower Upper

130 100

95 101.4 0.0 184.6





#45

1,2-Dichloropropane

Concen: 0.320 ug/l

RT: 6.539 min Scan# 1

Delta R.T. -0.251 min

Lab File: VU049547.D

Acq: 30 Jun 2022 05:53

Instrument :

MSVOA_U

ClientSampleId :

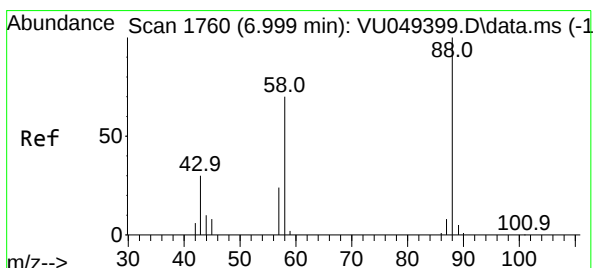
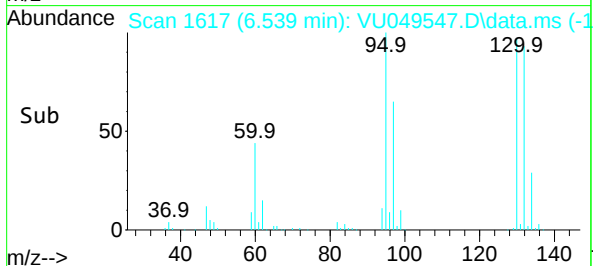
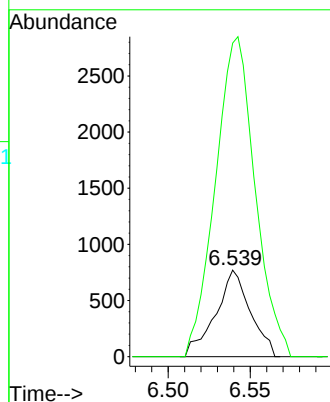
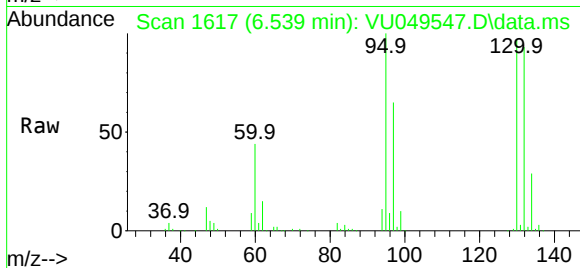
RE137-20220624

Tgt Ion: 63 Resp: 1135

Ion Ratio Lower Upper

63 100

65 362.3 25.0 37.4#



#49

1,4-Dioxane

Concen: 0.442 ug/l

RT: 7.018 min Scan# 1766

Delta R.T. 0.019 min

Lab File: VU049547.D

Acq: 30 Jun 2022 05:53

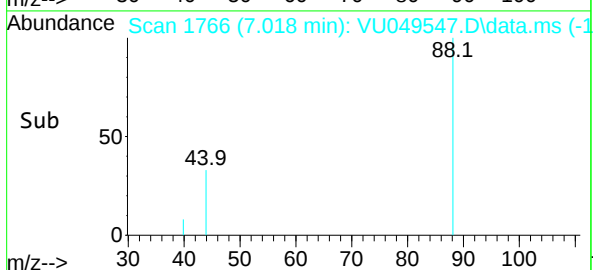
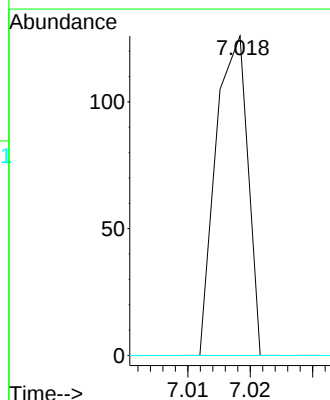
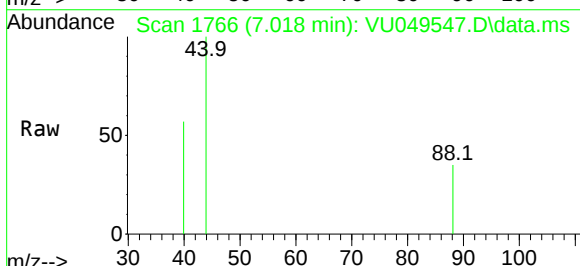
Tgt Ion: 88 Resp: 45

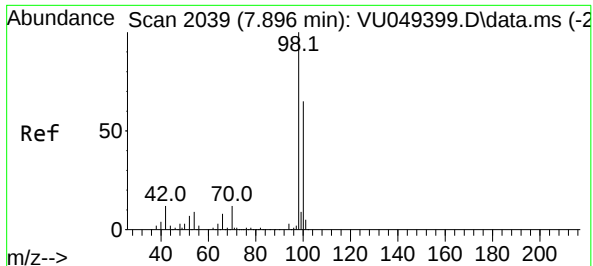
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 15.4 23.0#

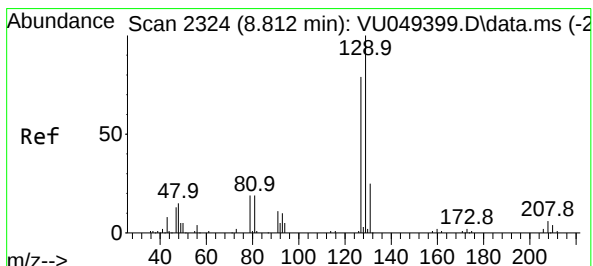
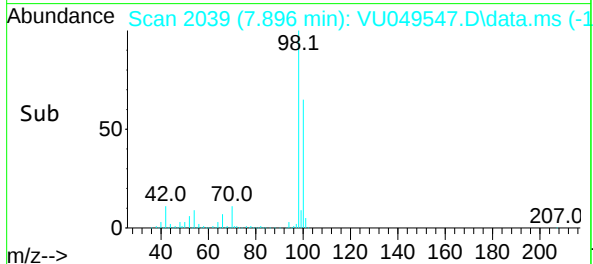
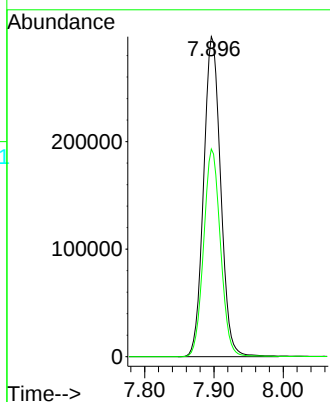
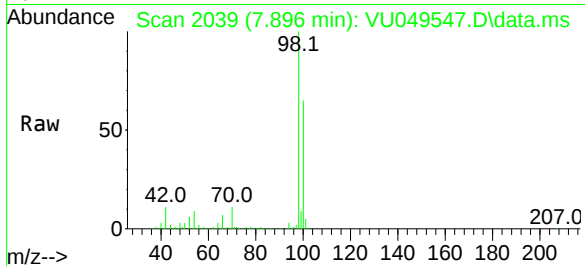




#50
Toluene-d8
Concen: 48.668 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049547.D
Acq: 30 Jun 2022 05:53

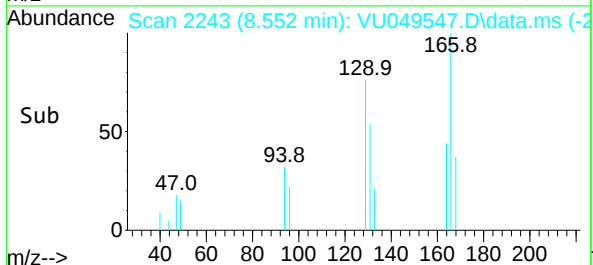
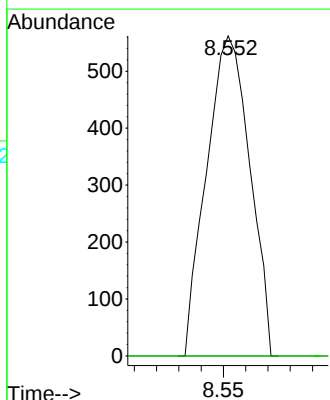
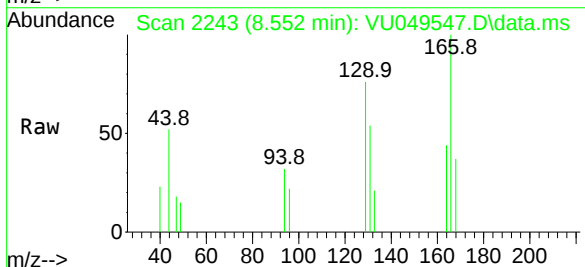
Instrument :
MSVOA_U
ClientSampleId :
RE137-20220624

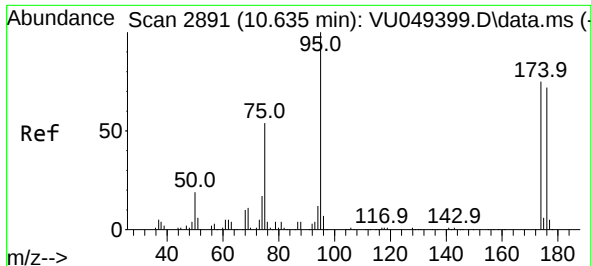
Tgt Ion: 98 Resp: 507479
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



#60
Dibromochloromethane
Concen: 0.232 ug/l
RT: 8.552 min Scan# 2243
Delta R.T. -0.260 min
Lab File: VU049547.D
Acq: 30 Jun 2022 05:53

Tgt Ion: 129 Resp: 759
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

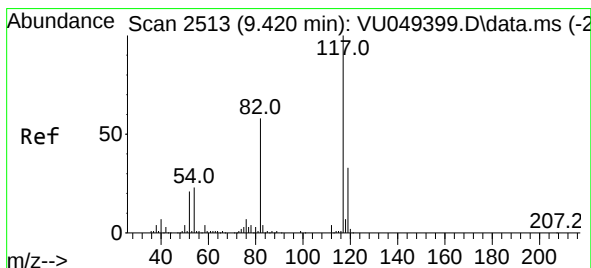
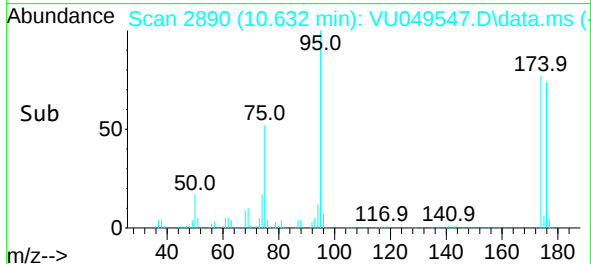
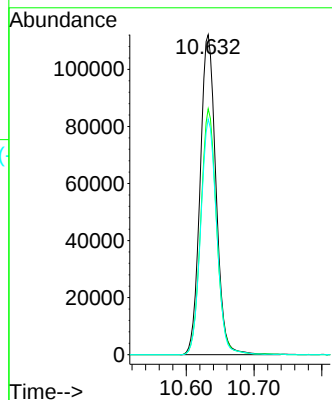
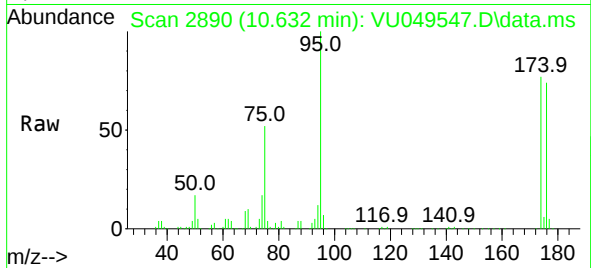




#62
4-Bromofluorobenzene
Concen: 45.476 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049547.D
Acq: 30 Jun 2022 05:53

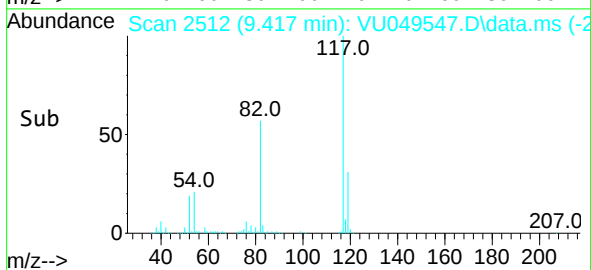
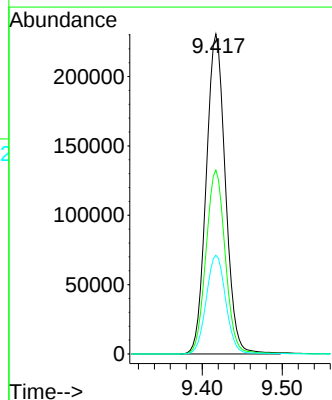
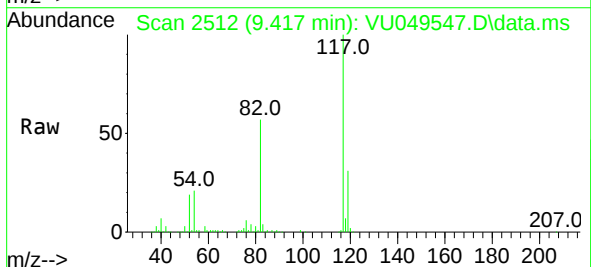
Instrument :
MSVOA_U
ClientSampleId :
RE137-20220624

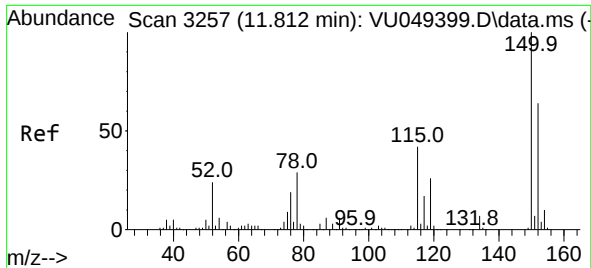
Tgt Ion: 95 Resp: 181650
Ion Ratio Lower Upper
95 100
174 76.5 0.0 182.0
176 74.1 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049547.D
Acq: 30 Jun 2022 05:53

Tgt Ion: 117 Resp: 385690
Ion Ratio Lower Upper
117 100
82 57.5 41.7 62.5
119 30.9 25.7 38.5

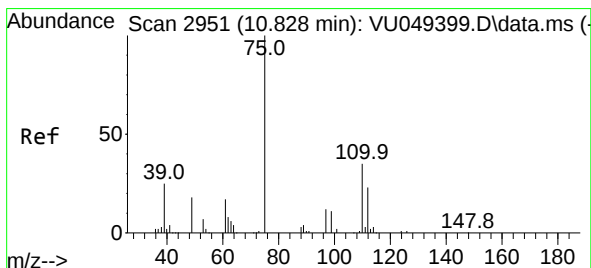
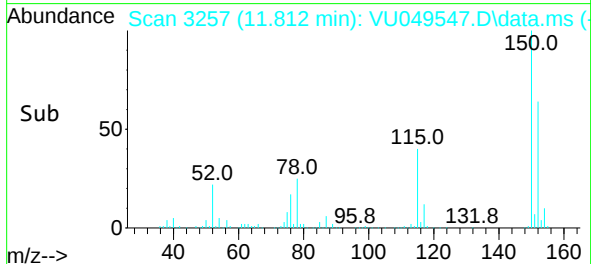
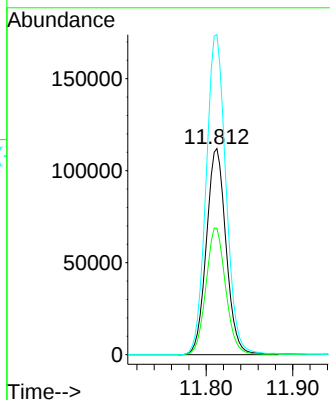
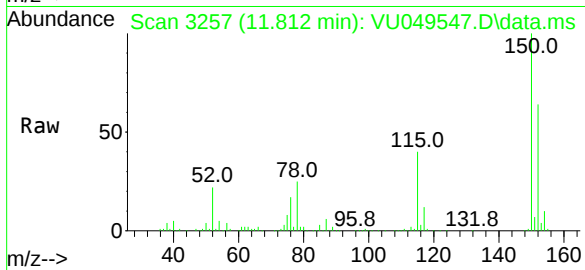




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049547.D
 Acq: 30 Jun 2022 05:53

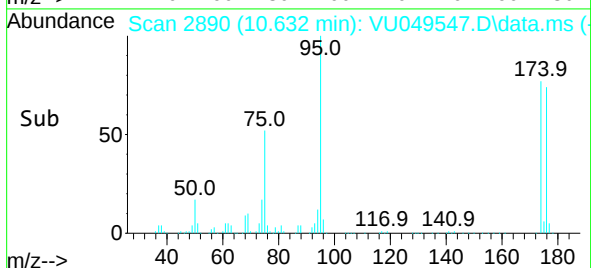
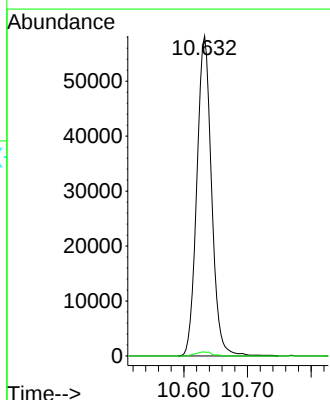
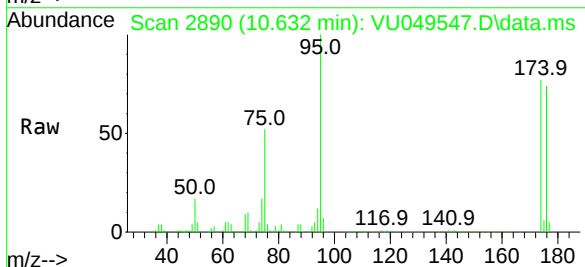
Instrument :
 MSVOA_U
 ClientSampleId :
 RE137-20220624

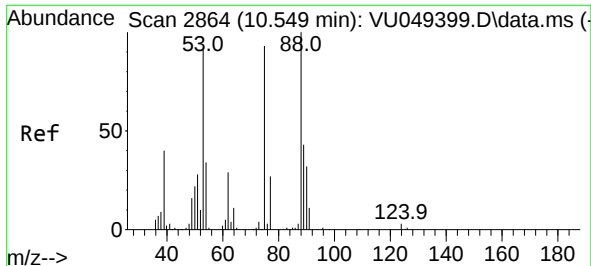
Tgt Ion:152 Resp: 177042
 Ion Ratio Lower Upper
 152 100
 115 61.4 37.0 110.9
 150 157.3 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.594 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049547.D
 Acq: 30 Jun 2022 05:53

Tgt Ion: 75 Resp: 93590
 Ion Ratio Lower Upper
 75 100
 77 1.4 15.8 47.3#

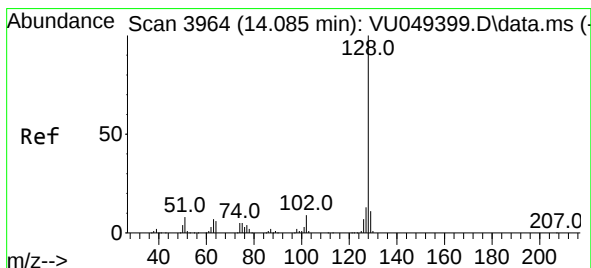
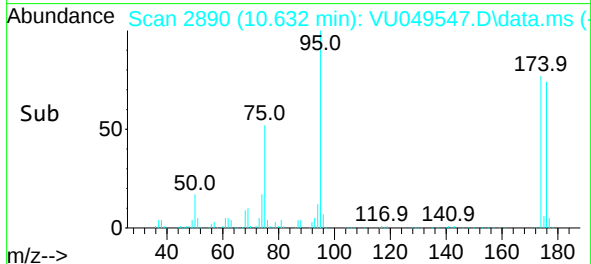
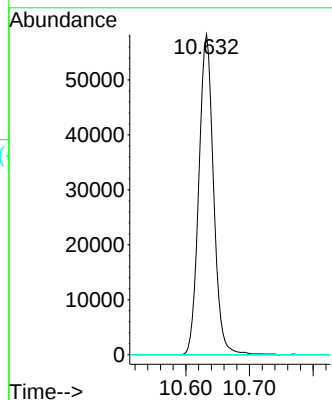
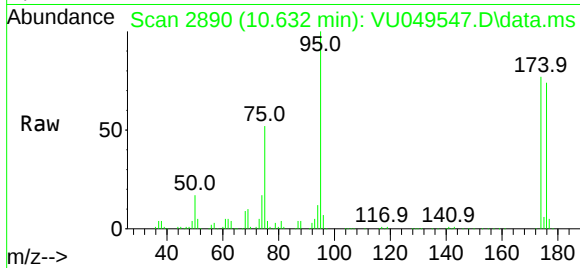




#81
trans-1,4-Dichloro-2-butene
Concen: 57.588 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049547.D
Acq: 30 Jun 2022 05:53

Instrument :
MSVOA_U
ClientSampleId :
RE137-20220624

Tgt Ion: 75 Resp: 93590
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 1.741 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.013 min
Lab File: VU049547.D
Acq: 30 Jun 2022 05:53

Tgt Ion: 128 Resp: 76
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

