

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062722\
 Data File : VU049427.D
 Acq On : 28 Jun 2022 01:30
 Operator : SY/MD
 Sample : N3386-01 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE105D2-20220613RE

Quant Time: Jun 28 07:12:50 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)

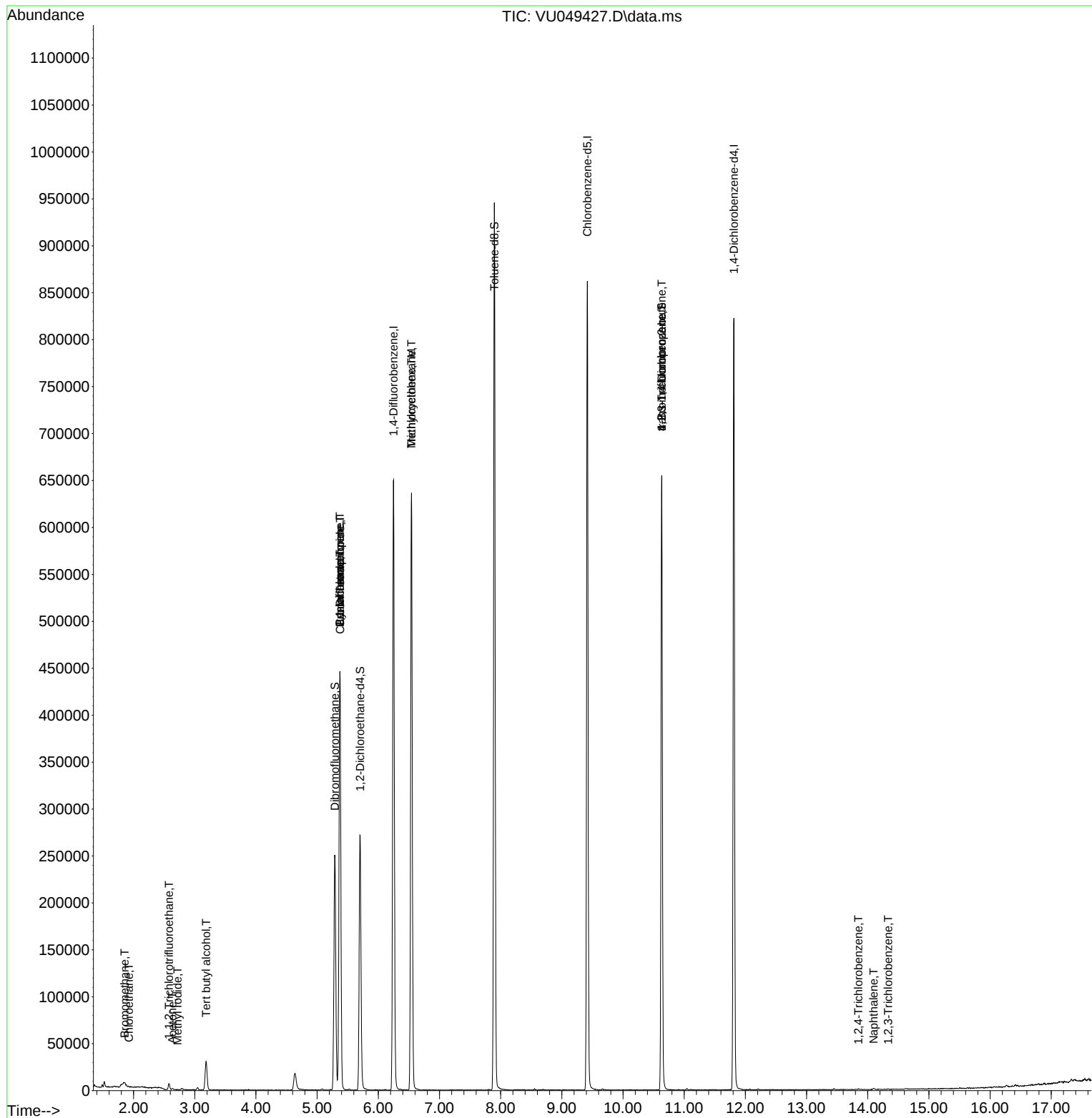
Internal Standards						
1) Pentafluorobenzene	5.372	168	308730	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	529977	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	468899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	217513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	204637	43.039	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.080%		
35) Dibromofluoromethane	5.288	113	162409	43.801	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.600%		
50) Toluene-d8	7.896	98	630341	47.663	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.320%		
62) 4-Bromofluorobenzene	10.632	95	226417	44.693	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.380%		
Target Compounds						Qvalue
5) Bromomethane	1.855	94	362	0.233	ug/l	# 74
6) Chloroethane	1.922	64	148	1.977	ug/l	# 44
9) 1,1,2-Trichlorotrifluo...	2.578	101	2002	0.585	ug/l	92
10) Methyl Iodide	2.719	142	68	7.530	ug/l	# 43
11) Tert butyl alcohol	3.186	59	18729	16.829	ug/l	# 40
16) Acetone	2.636	43	1675	0.699	ug/l	97
20) Methylene Chloride	3.051	84	1178	Below Cal	#	90
31) Cyclohexane	5.372	56	6572	0.921	ug/l	# 1
36) 1,1-Dichloropropene	5.372	75	24855	4.623	ug/l	# 48
38) Carbon Tetrachloride	5.375	117	31664	5.616	ug/l	# 16
39) Methylcyclohexane	6.542	83	2707	0.420	ug/l	# 1
44) Trichloroethene	6.542	130	214320	55.542	ug/l	88
76) 1,2,3-Trichloropropane	10.632	75	113433	15.384	ug/l	# 45
81) trans-1,4-Dichloro-2-b...	10.632	75	113433	56.811	ug/l	# 15
93) 1,2,4-Trichlorobenzene	13.848	180	323	1.818	ug/l	# 73
95) Naphthalene	14.095	128	1744	1.835	ug/l	# 75
96) 1,2,3-Trichlorobenzene	14.333	180	210	1.218	ug/l	76

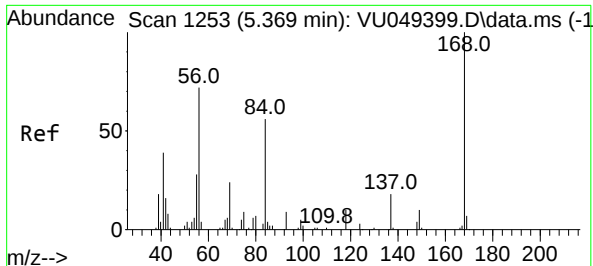
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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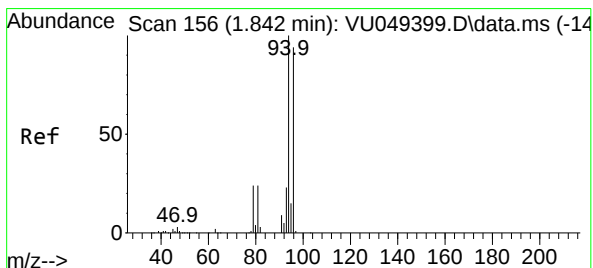
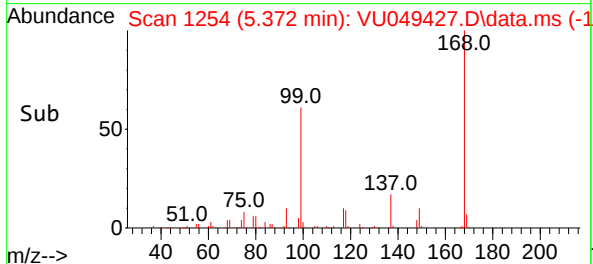
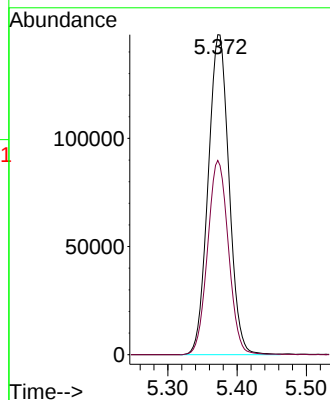
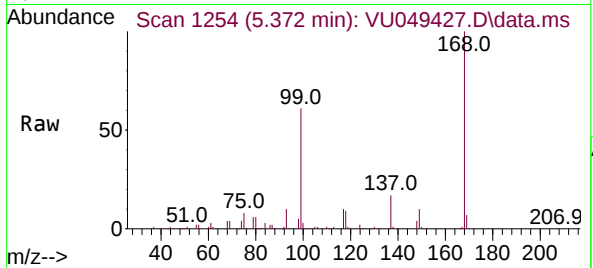




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049427.D
Acq: 28 Jun 2022 01:30

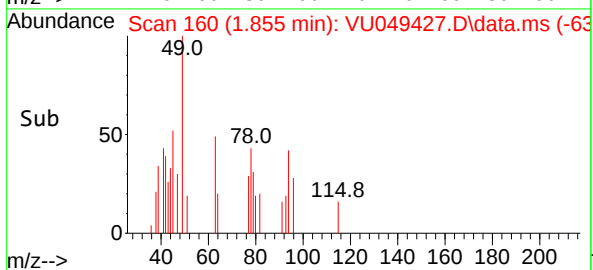
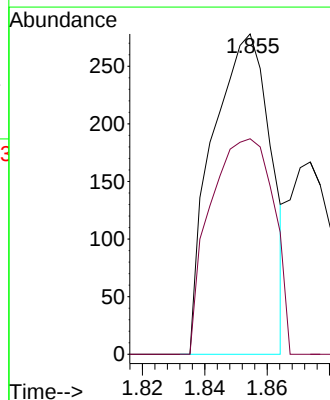
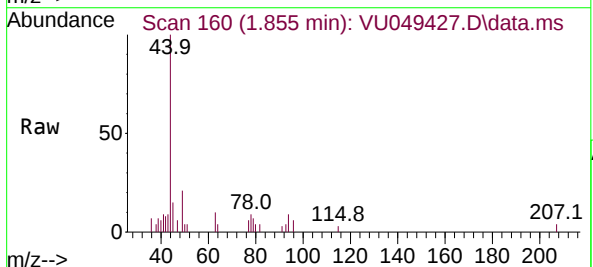
Instrument :
MSVOA_U
ClientSampleId :
RE105D2-20220613RE

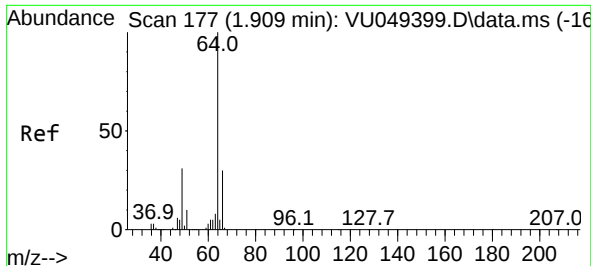
Tgt Ion:168 Resp: 308730
Ion Ratio Lower Upper
168 100
99 60.7 39.3 58.9#



#5
Bromomethane
Concen: 0.233 ug/l
RT: 1.855 min Scan# 160
Delta R.T. 0.013 min
Lab File: VU049427.D
Acq: 28 Jun 2022 01:30

Tgt Ion: 94 Resp: 362
Ion Ratio Lower Upper
94 100
96 67.3 73.7 110.5#

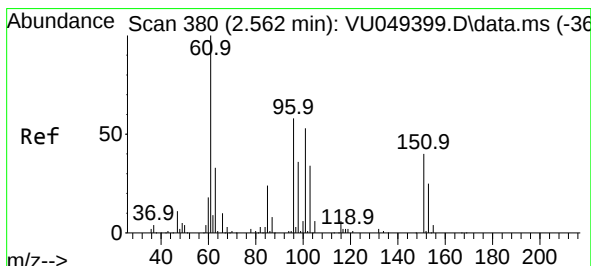
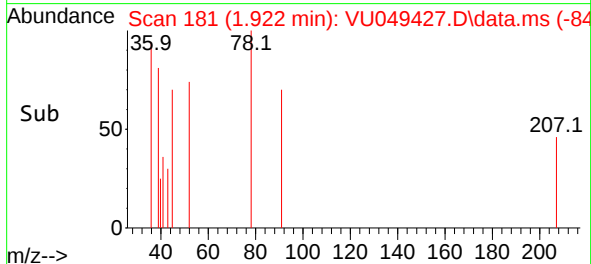
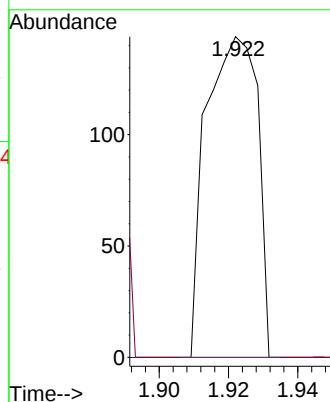
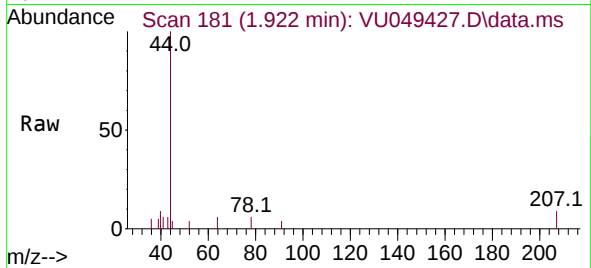




#6
Chloroethane
Concen: 1.977 ug/l
RT: 1.922 min Scan# 11
Delta R.T. 0.013 min
Lab File: VU049427.D
Acq: 28 Jun 2022 01:30

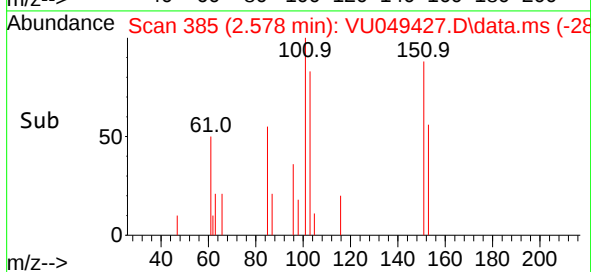
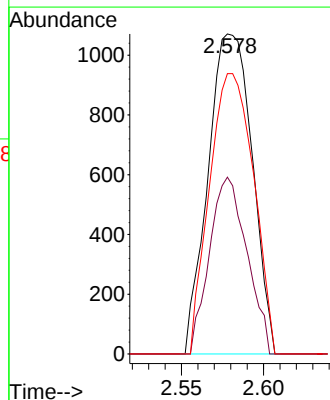
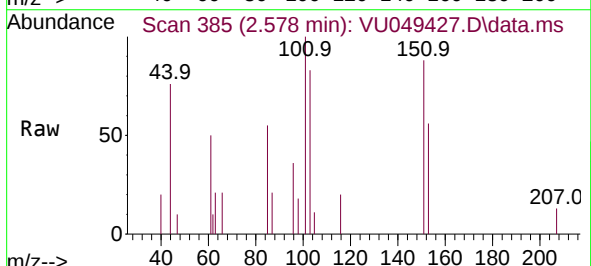
Instrument :
MSVOA_U
ClientSampleId :
RE105D2-20220613RE

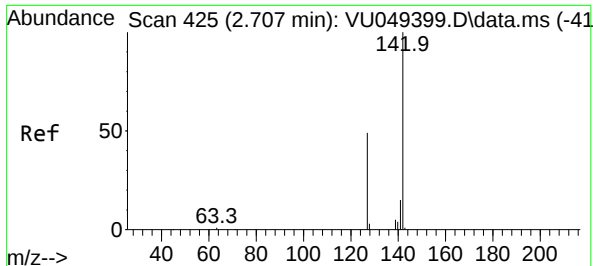
Tgt Ion: 64 Resp: 148
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.585 ug/l
RT: 2.578 min Scan# 385
Delta R.T. 0.016 min
Lab File: VU049427.D
Acq: 28 Jun 2022 01:30

Tgt Ion:101 Resp: 2002
Ion Ratio Lower Upper
101 100
85 46.9 33.9 50.9
151 87.4 64.0 96.0





#10

Methyl Iodide

Concen: 7.530 ug/l

RT: 2.719 min Scan# 41

Delta R.T. 0.013 min

Lab File: VU049427.D

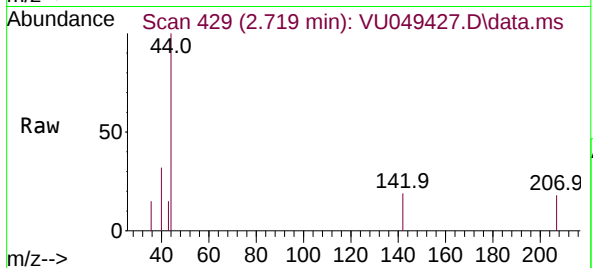
Acq: 28 Jun 2022 01:30

Instrument :

MSVOA_U

ClientSampleId :

RE105D2-20220613RE



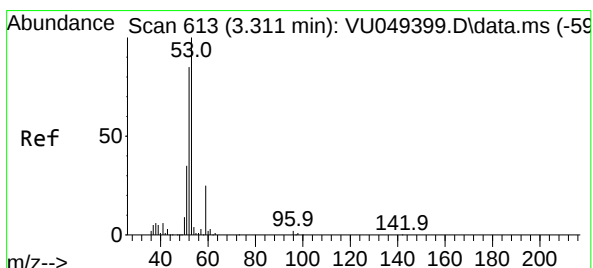
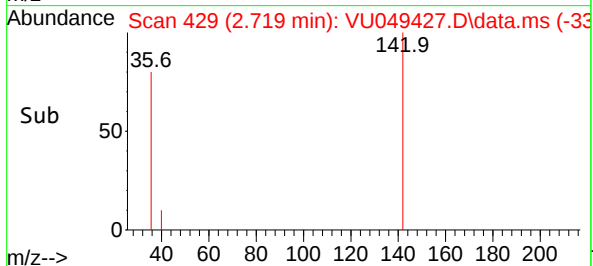
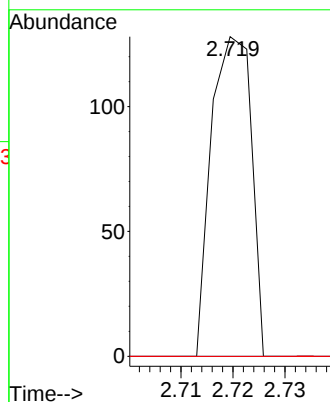
Tgt Ion:142 Resp: 68

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: 16.829 ug/l

RT: 3.186 min Scan# 574

Delta R.T. -0.125 min

Lab File: VU049427.D

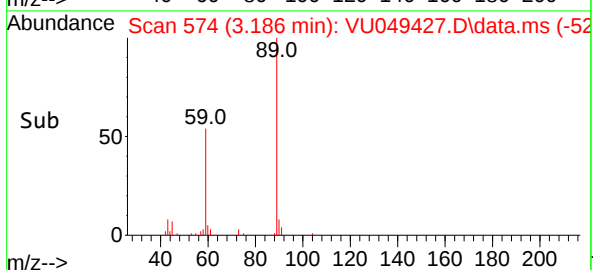
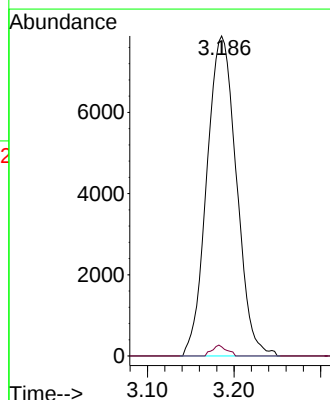
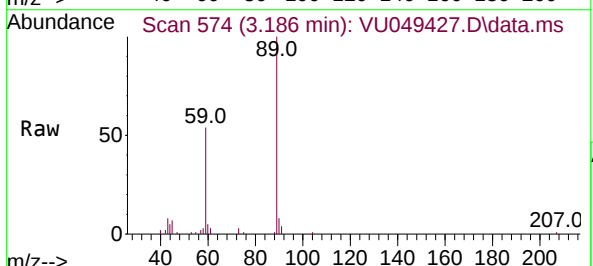
Acq: 28 Jun 2022 01:30

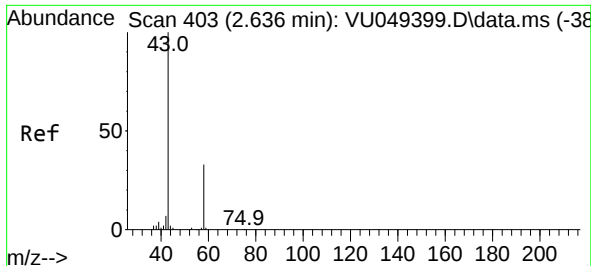
Tgt Ion: 59 Resp: 18729

Ion Ratio Lower Upper

59 100

57 1.7 30.6 45.8#





#16

Acetone

Concen: 0.699 ug/l

RT: 2.636 min Scan# 403

Delta R.T. 0.000 min

Lab File: VU049427.D

Acq: 28 Jun 2022 01:30

Instrument :

MSVOA_U

ClientSampleId :

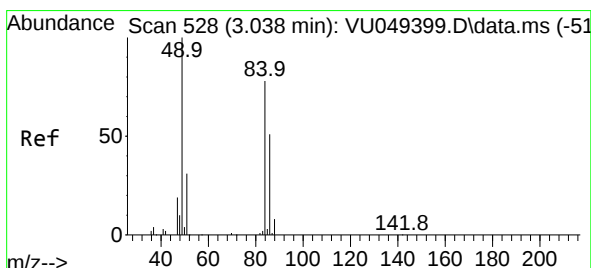
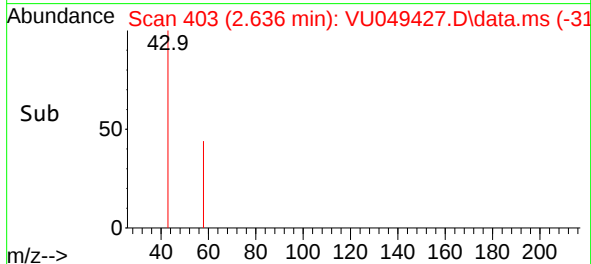
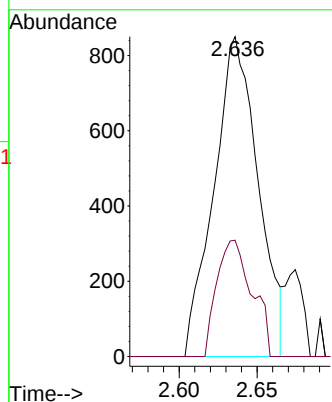
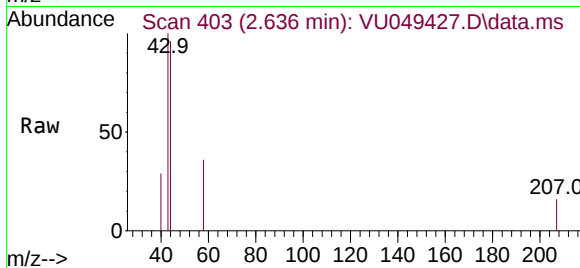
RE105D2-20220613RE

Tgt Ion: 43 Resp: 1675

Ion Ratio Lower Upper

43 100

58 36.4 27.5 41.3



#20

Methylene Chloride

Concen: Below Cal

RT: 3.051 min Scan# 532

Delta R.T. 0.013 min

Lab File: VU049427.D

Acq: 28 Jun 2022 01:30

Tgt Ion: 84 Resp: 1178

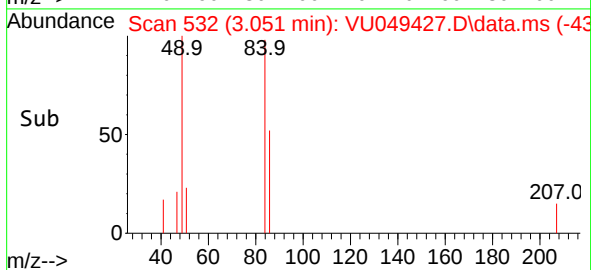
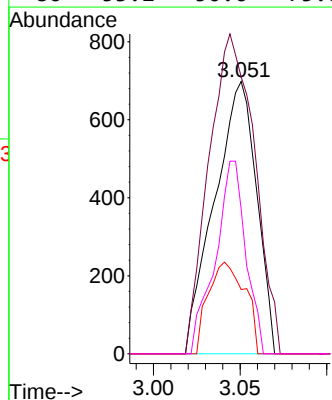
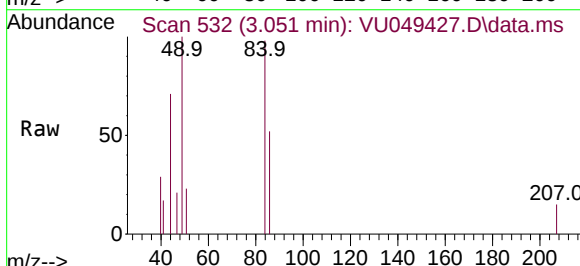
Ion Ratio Lower Upper

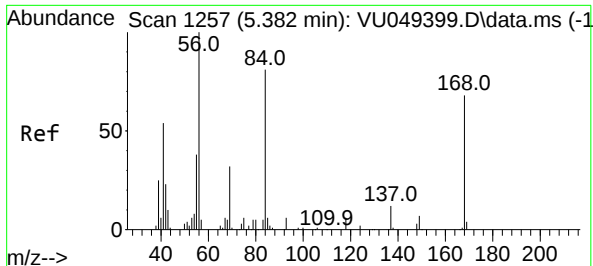
84 100

49 101.7 86.6 129.8

51 23.6 26.6 40.0#

86 53.2 50.6 75.8

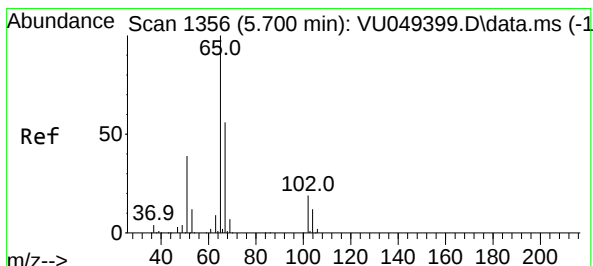
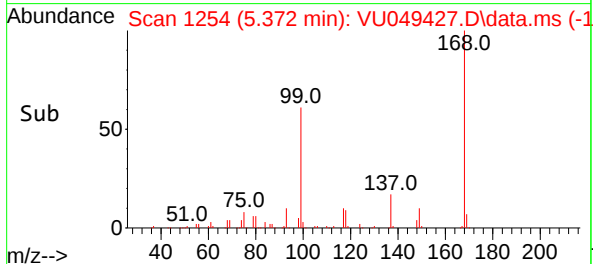
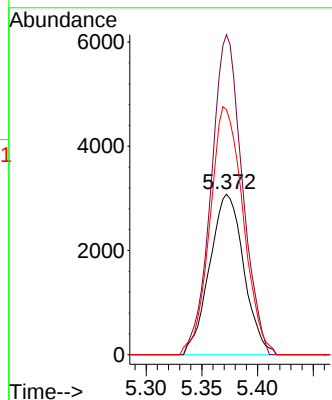
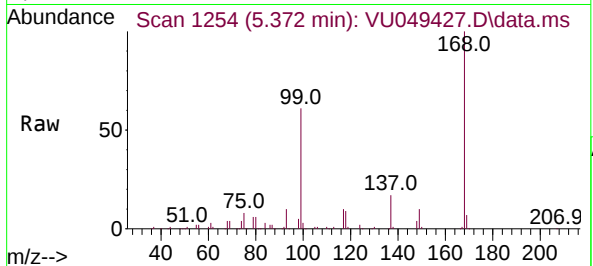




#31
Cyclohexane
Concen: 0.921 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU049427.D
Acq: 28 Jun 2022 01:30

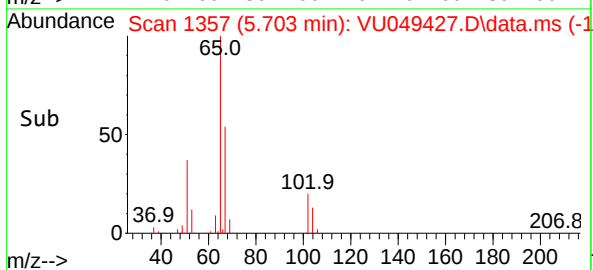
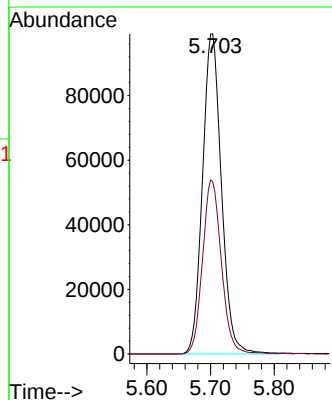
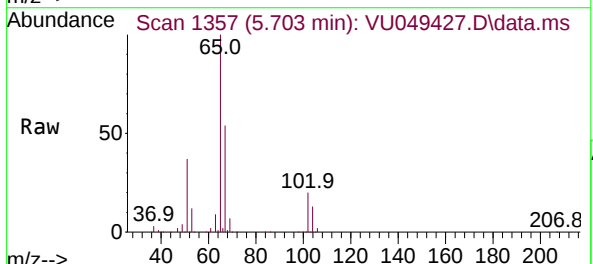
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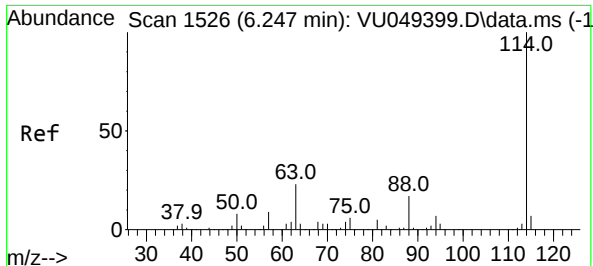
Tgt Ion: 56 Resp: 6572
Ion Ratio Lower Upper
56 100
69 199.4 27.8 41.8#
84 152.7 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 43.039 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VU049427.D
Acq: 28 Jun 2022 01:30

Tgt Ion: 65 Resp: 204637
Ion Ratio Lower Upper
65 100
67 54.0 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049427.D

Acq: 28 Jun 2022 01:30

Instrument :

MSVOA_U

ClientSampleId :

RE105D2-20220613RE

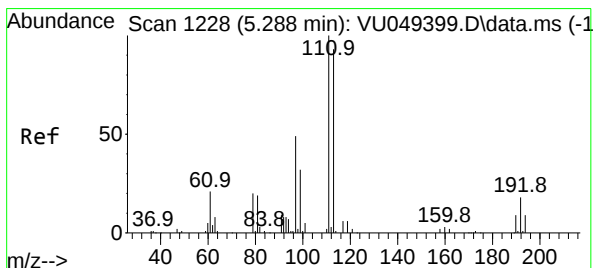
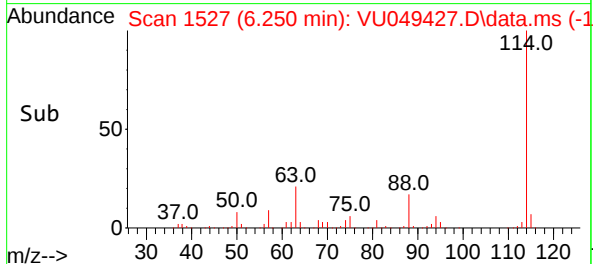
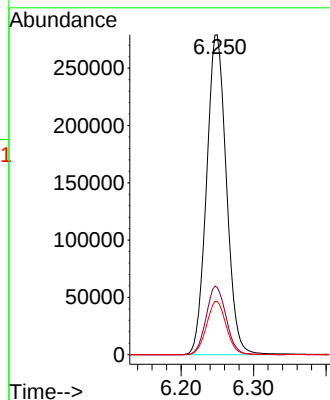
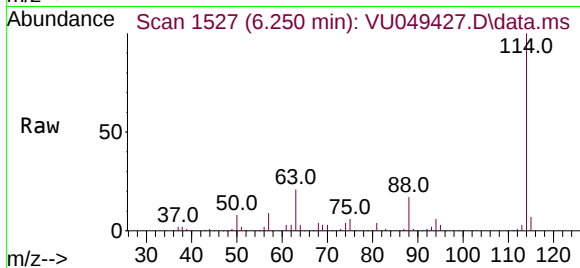
Tgt Ion:114 Resp: 529977

Ion Ratio Lower Upper

114 100

63 21.1 0.0 37.8

88 16.7 0.0 29.2



#35

Dibromofluoromethane

Concen: 43.801 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049427.D

Acq: 28 Jun 2022 01:30

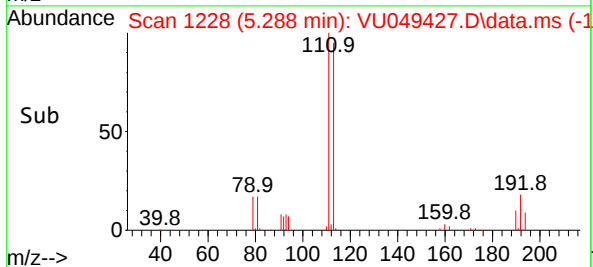
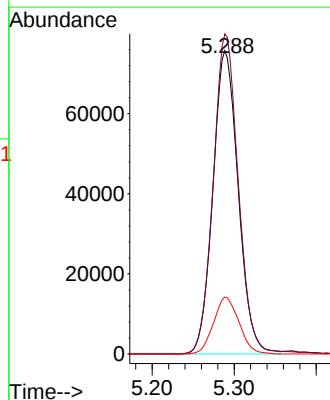
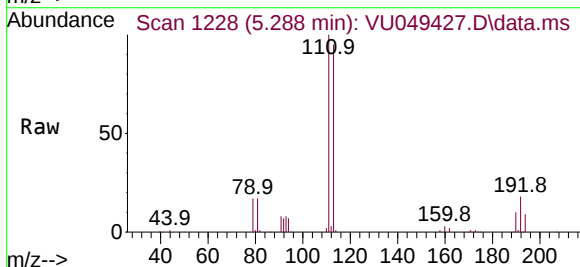
Tgt Ion:113 Resp: 162409

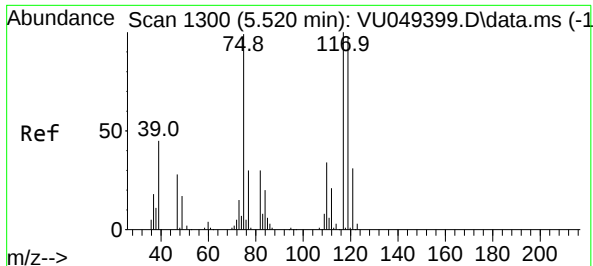
Ion Ratio Lower Upper

113 100

111 104.9 82.1 123.1

192 18.8 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.623 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.148 min

Lab File: VU049427.D

Acq: 28 Jun 2022 01:30

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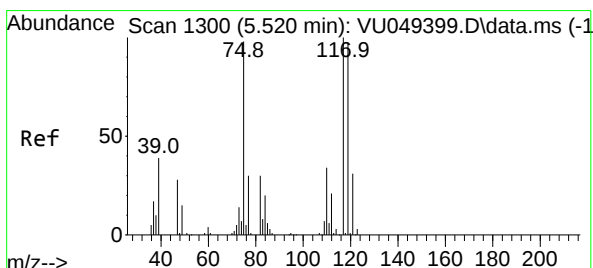
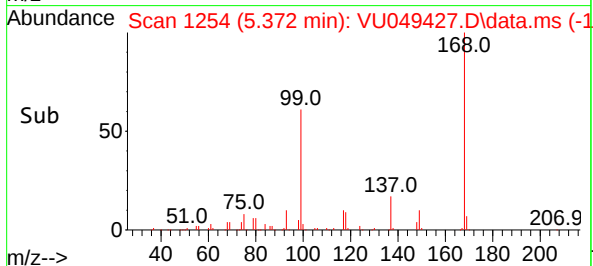
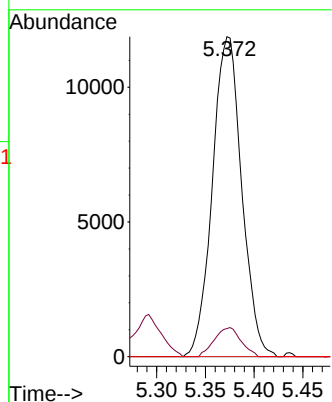
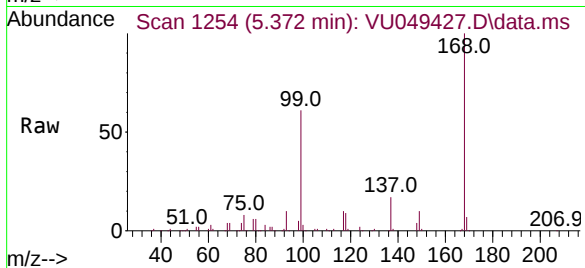
Tgt Ion: 75 Resp: 24855

Ion Ratio Lower Upper

75 100

110 8.3 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.616 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.145 min

Lab File: VU049427.D

Acq: 28 Jun 2022 01:30

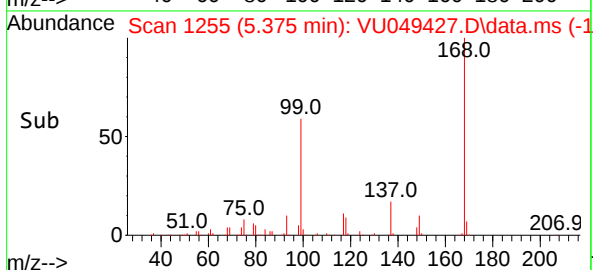
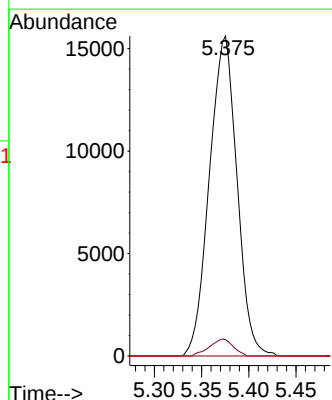
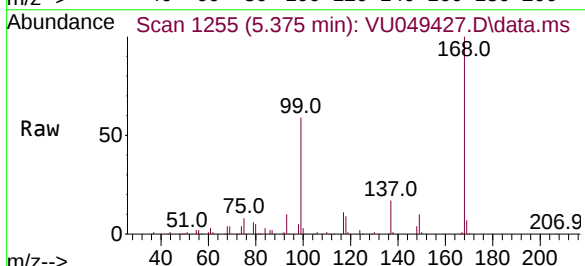
Tgt Ion: 117 Resp: 31664

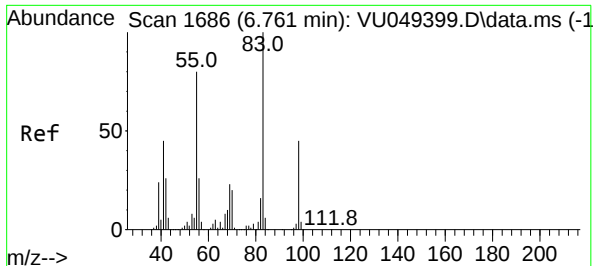
Ion Ratio Lower Upper

117 100

119 5.1 76.8 115.2#

121 0.0 24.7 37.1#





#39

Methylcyclohexane

Concen: 0.420 ug/l

RT: 6.542 min Scan# 1618

Delta R.T. -0.219 min

Lab File: VU049427.D

Acq: 28 Jun 2022 01:30

Instrument :

MSVOA_U

ClientSampleId :

RE105D2-20220613RE

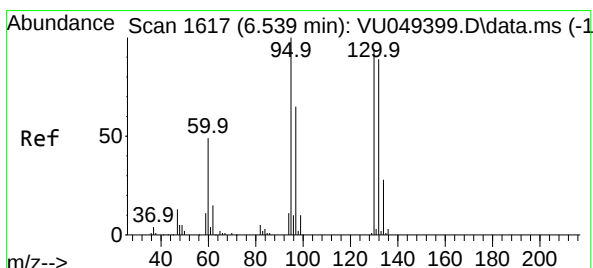
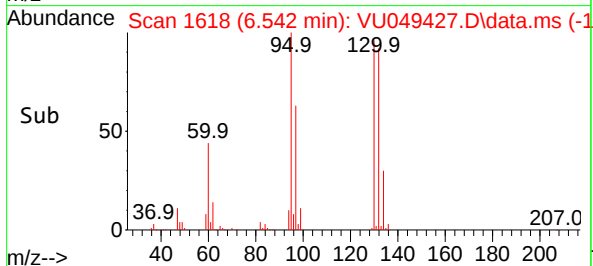
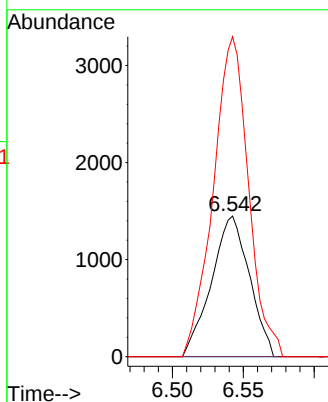
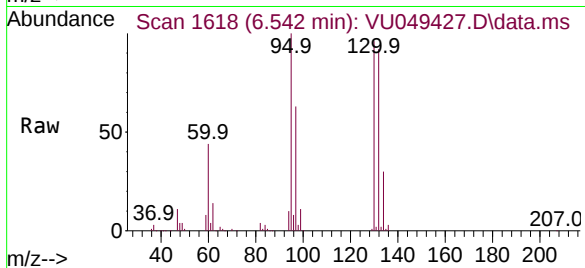
Tgt Ion: 83 Resp: 2707

Ion Ratio Lower Upper

83 100

55 0.0 55.3 82.9#

98 227.5 37.3 55.9#



#44

Trichloroethene

Concen: 55.542 ug/l

RT: 6.542 min Scan# 1618

Delta R.T. 0.003 min

Lab File: VU049427.D

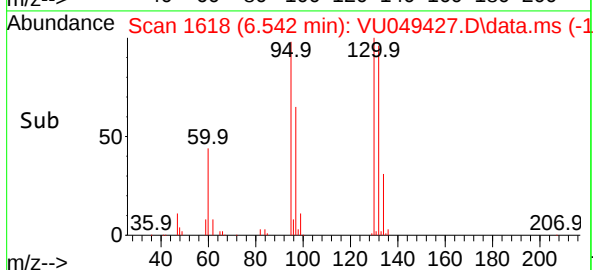
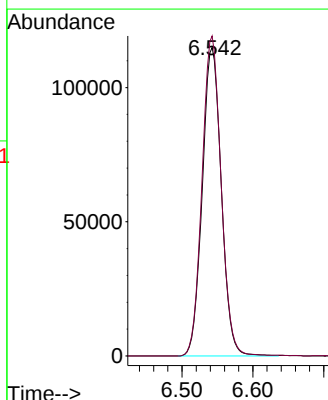
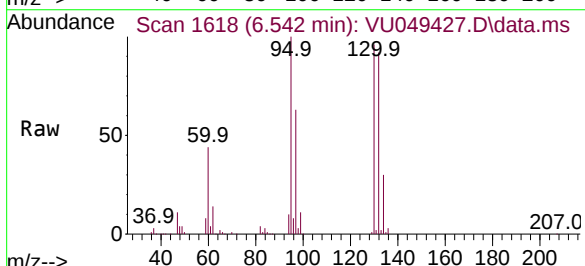
Acq: 28 Jun 2022 01:30

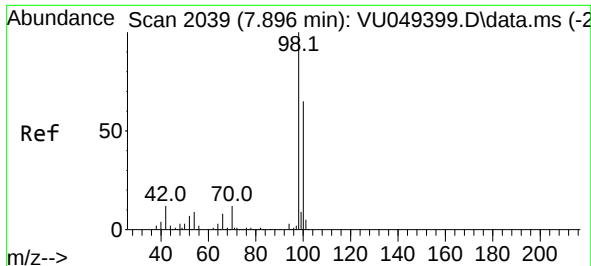
Tgt Ion:130 Resp: 214320

Ion Ratio Lower Upper

130 100

95 103.7 0.0 184.6

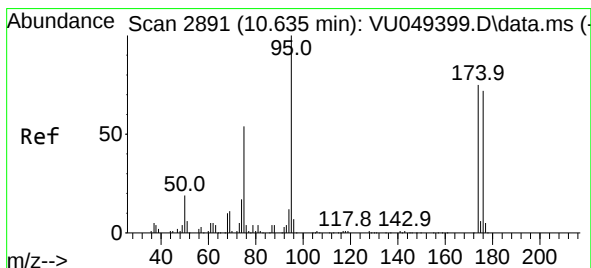
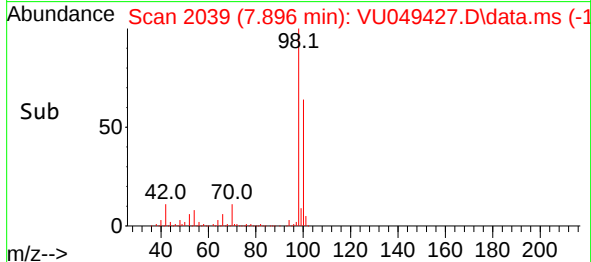
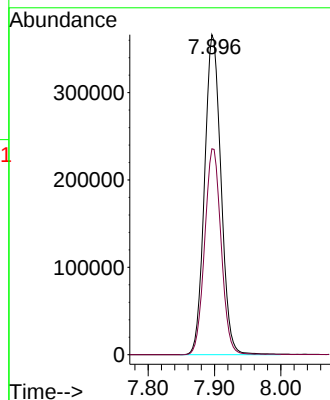
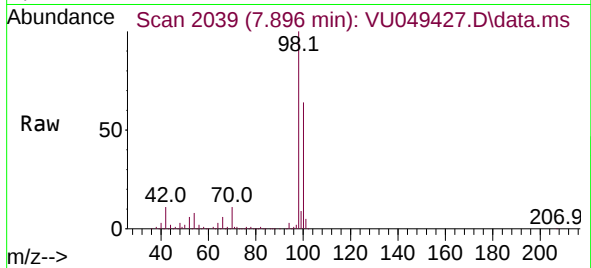




#50
Toluene-d8
Concen: 47.663 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049427.D
Acq: 28 Jun 2022 01:30

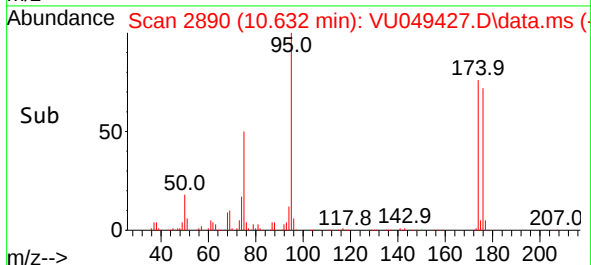
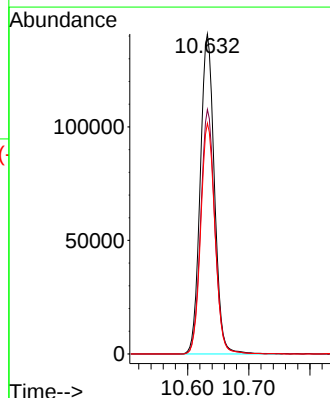
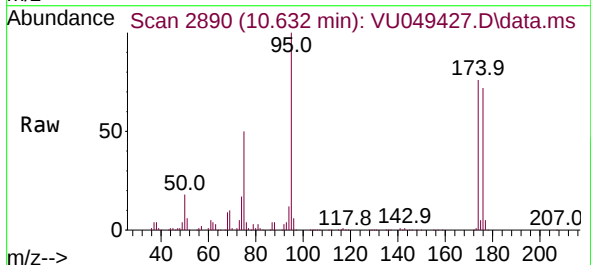
Instrument :
MSVOA_U
ClientSampleId :
RE105D2-20220613RE

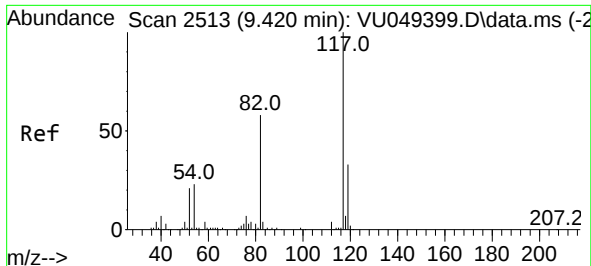
Tgt Ion: 98 Resp: 630341
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 44.693 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049427.D
Acq: 28 Jun 2022 01:30

Tgt Ion: 95 Resp: 226417
Ion Ratio Lower Upper
95 100
174 76.3 0.0 182.0
176 72.5 0.0 177.8

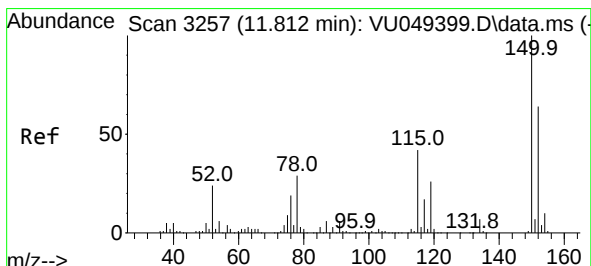
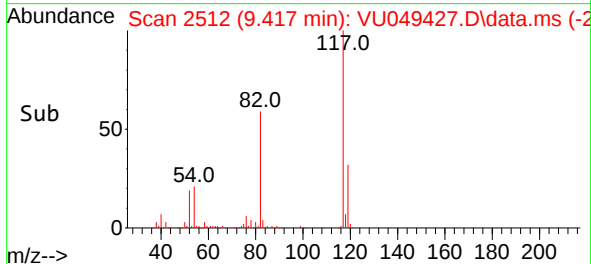
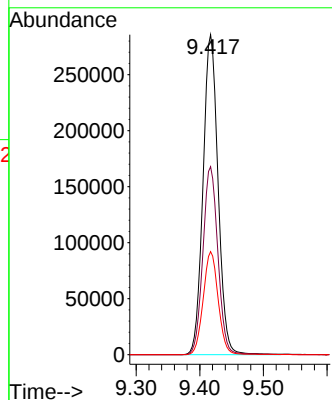
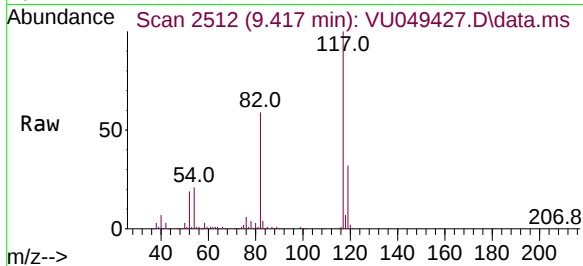




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049427.D
Acq: 28 Jun 2022 01:30

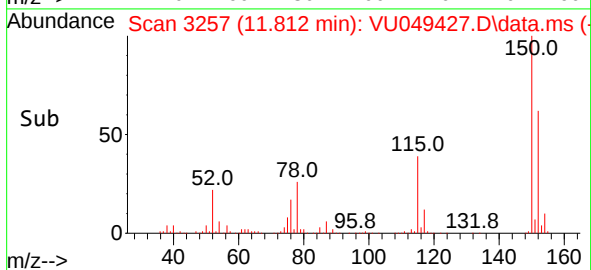
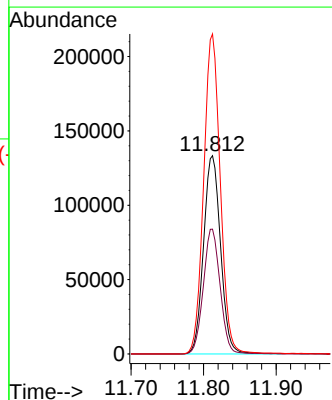
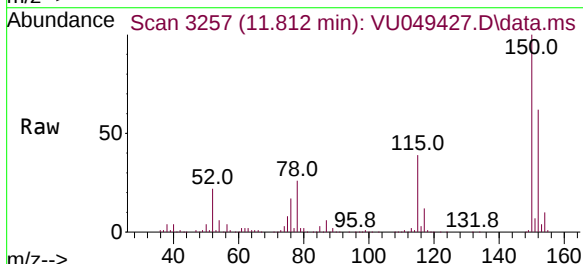
Instrument :
MSVOA_U
ClientSampleId :
RE105D2-20220613RE

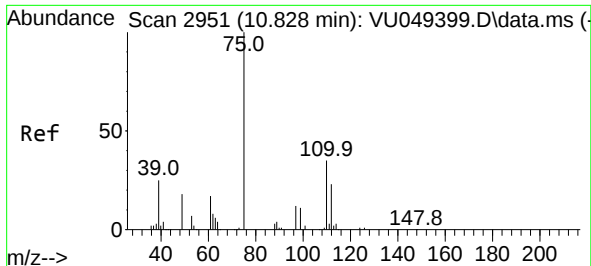
Tgt Ion:117 Resp: 468899
Ion Ratio Lower Upper
117 100
82 58.8 41.7 62.5
119 32.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049427.D
Acq: 28 Jun 2022 01:30

Tgt Ion:152 Resp: 217513
Ion Ratio Lower Upper
152 100
115 62.0 37.0 110.9
150 157.7 0.0 342.2

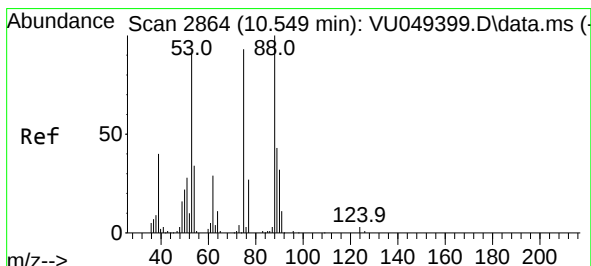
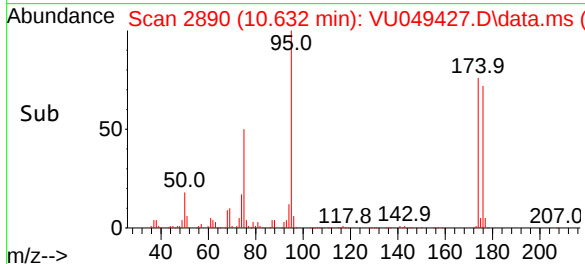
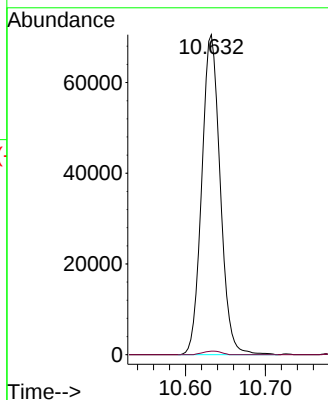
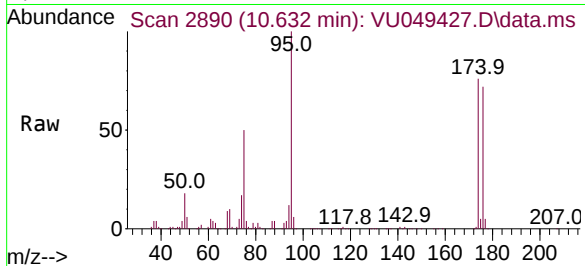




#76
1,2,3-Trichloropropane
Concen: 15.384 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049427.D
Acq: 28 Jun 2022 01:30

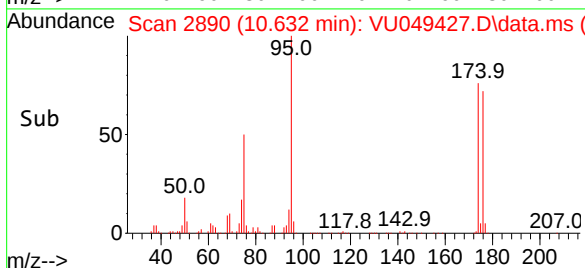
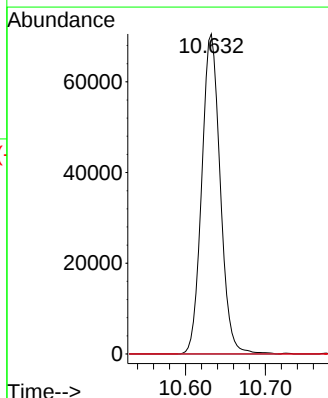
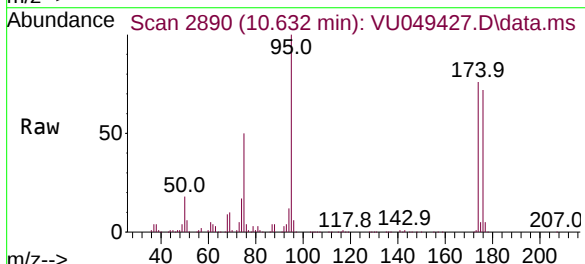
Instrument :
MSVOA_U
ClientSampleId :
RE105D2-20220613RE

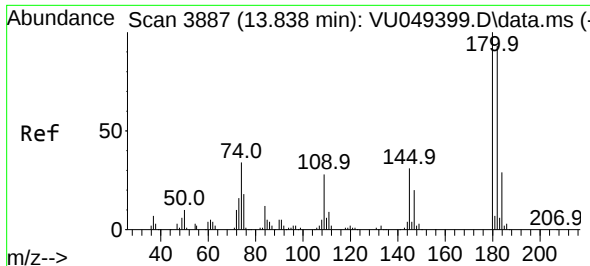
Tgt Ion: 75 Resp: 113433
Ion Ratio Lower Upper
75 100
77 1.1 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.811 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049427.D
Acq: 28 Jun 2022 01:30

Tgt Ion: 75 Resp: 113433
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#

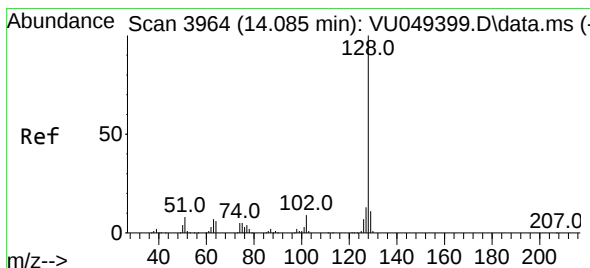
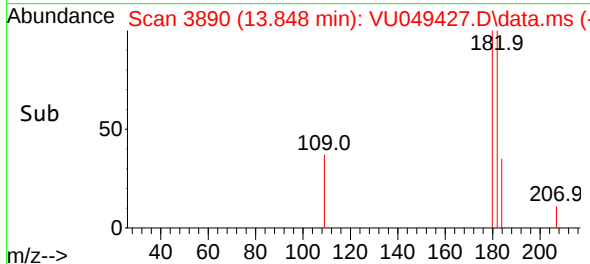
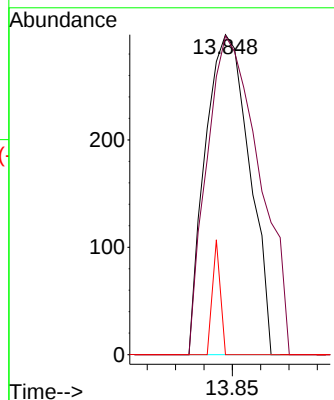
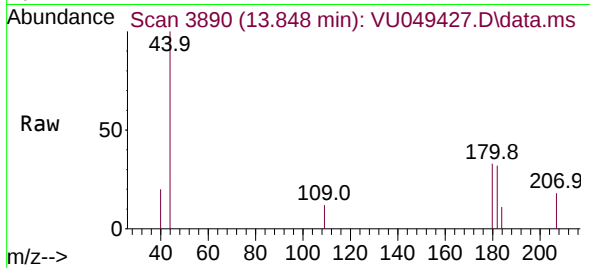




#93
1,2,4-Trichlorobenzene
Concen: 1.818 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.010 min
Lab File: VU049427.D
Acq: 28 Jun 2022 01:30

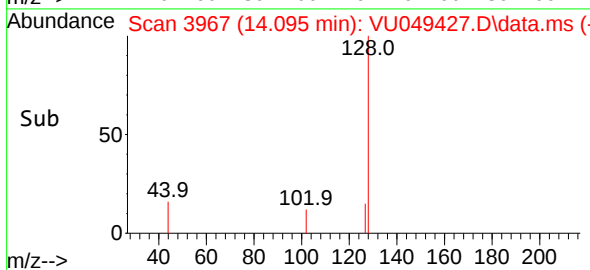
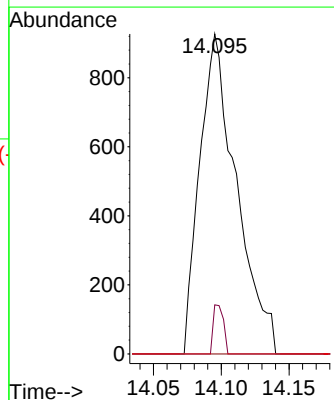
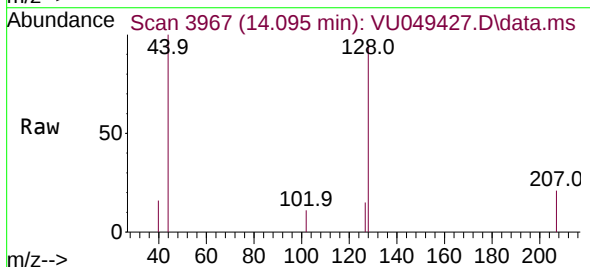
Instrument :
MSVOA_U
ClientSampleId :
RE105D2-20220613RE

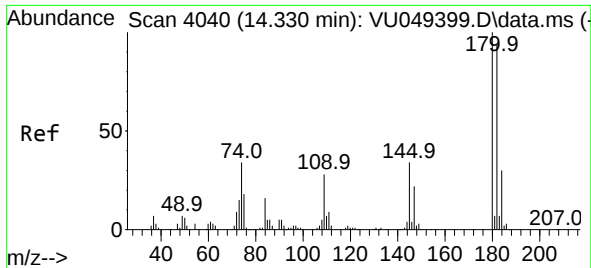
Tgt Ion:180 Resp: 323
Ion Ratio Lower Upper
180 100
182 118.0 47.9 143.6
145 6.5 14.0 41.9#



#95
Naphthalene
Concen: 1.835 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.010 min
Lab File: VU049427.D
Acq: 28 Jun 2022 01:30

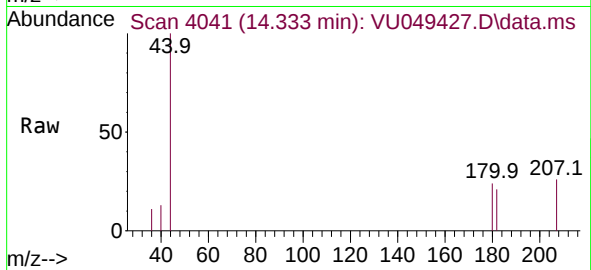
Tgt Ion:128 Resp: 1744
Ion Ratio Lower Upper
128 100
127 4.2 10.3 15.5#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.218 ug/l
 RT: 14.333 min Scan# 40
 Delta R.T. 0.003 min
 Lab File: VU049427.D
 Acq: 28 Jun 2022 01:30

Instrument :
 MSVOA_U
 ClientSampleId :
 RE105D2-20220613RE



Tgt Ion:	180	Resp:	210
Ion	Ratio	Lower	Upper
180	100		
182	122.9	48.4	145.0
145	21.0	14.8	44.4

