

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070522\
 Data File : VU049622.D
 Acq On : 05 Jul 2022 16:46
 Operator : SY/MD
 Sample : N3564-16 10X
 Misc : 4.87g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WC-16-2-6

Quant Time: Jul 06 07:48:49 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)

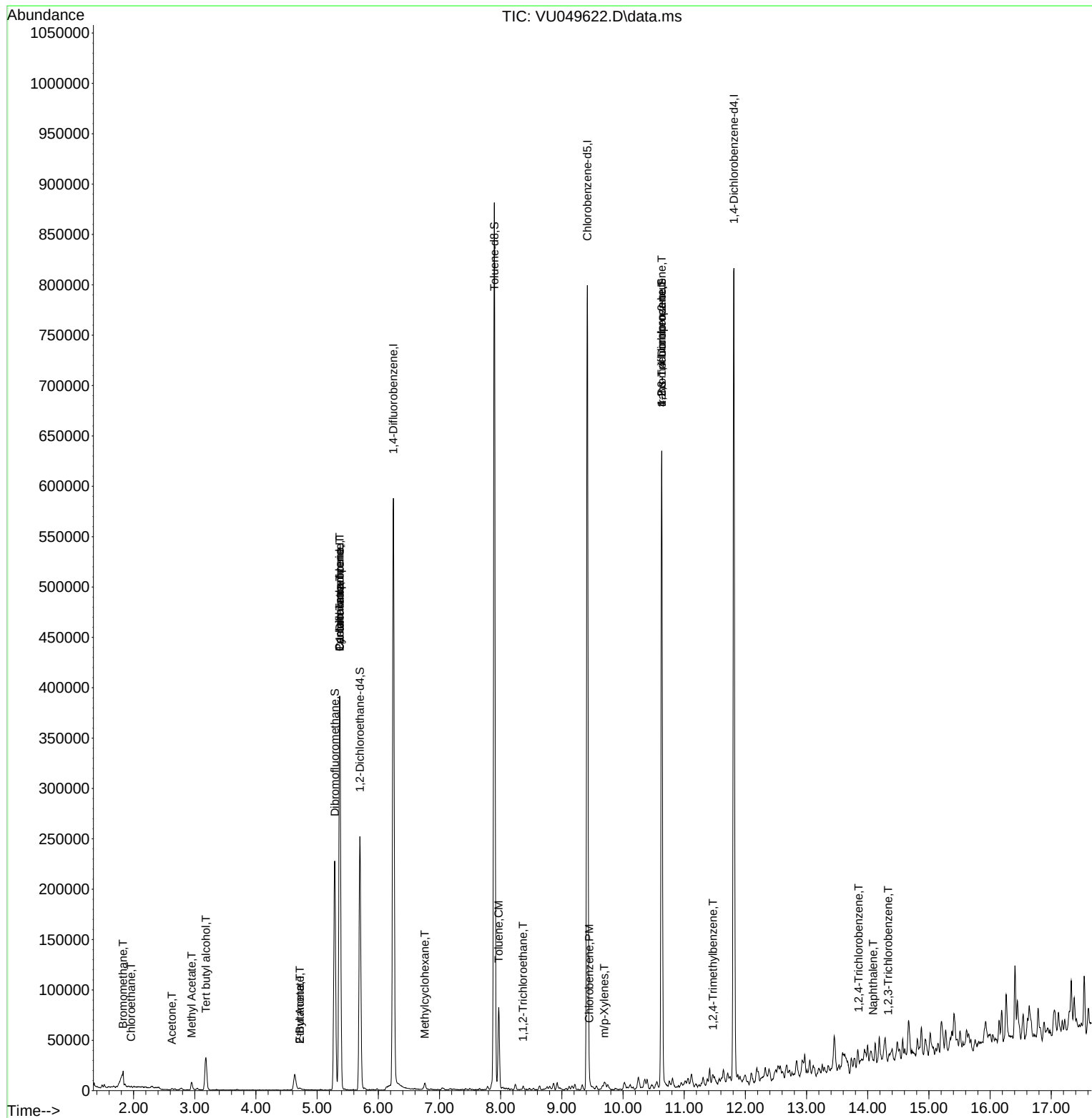
Internal Standards						
1) Pentafluorobenzene	5.369	168	273651	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	477436	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	437718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	212909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	184478	43.773	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.540%		
35) Dibromofluoromethane	5.288	113	149505	44.758	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.520%		
50) Toluene-d8	7.896	98	573316	48.122	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.240%		
62) 4-Bromofluorobenzene	10.632	95	216265	47.387	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.780%		
Target Compounds						Qvalue
3) Chloromethane	1.523	50	2665	Below Cal		88
5) Bromomethane	1.826	94	420	0.305 ug/l	#	62
6) Chloroethane	1.961	64	20	1.925 ug/l	#	44
11) Tert butyl alcohol	3.182	59	20412	20.693 ug/l	#	38
16) Acetone	2.626	43	1561	0.734 ug/l	#	79
18) Methyl Acetate	2.948	43	10312	1.792 ug/l		92
20) Methylene Chloride	3.044	84	433	Below Cal		91
25) 2-Butanone	4.716	43	3174	0.997 ug/l	#	85
31) Cyclohexane	5.369	56	6110	0.966 ug/l	#	1
36) 1,1-Dichloropropene	5.369	75	23112	4.772 ug/l	#	49
37) Ethyl Acetate	4.716	43	3174	0.480 ug/l	#	71
38) Carbon Tetrachloride	5.369	117	27828	5.479 ug/l	#	16
39) Methylcyclohexane	6.761	83	2485	0.428 ug/l		94
52) Toluene	7.967	92	33591	3.865 ug/l		100
55) 1,1,2-Trichloroethane	8.365	97	1161	0.323 ug/l	#	14
65) Chlorobenzene	9.449	112	2359	0.264 ug/l		95
68) m/p-Xylenes	9.693	106	1507	0.248 ug/l		76
76) 1,2,3-Trichloropropane	10.632	75	110543	15.316 ug/l	#	45
81) trans-1,4-Dichloro-2-b...	10.632	75	110543	56.561 ug/l	#	15
84) 1,2,4-Trimethylbenzene	11.471	105	2756	0.212 ug/l		100
93) 1,2,4-Trichlorobenzene	13.851	180	193	1.793 ug/l	#	1
95) Naphthalene	14.089	128	4339	1.987 ug/l	#	93
96) 1,2,3-Trichlorobenzene	14.333	180	151	1.207 ug/l	#	32

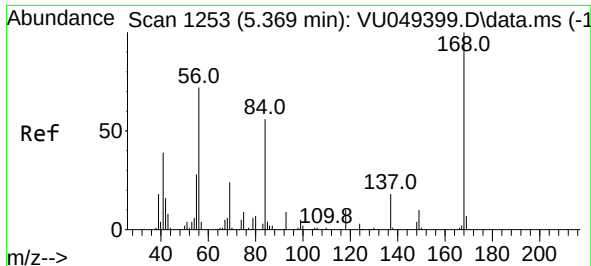
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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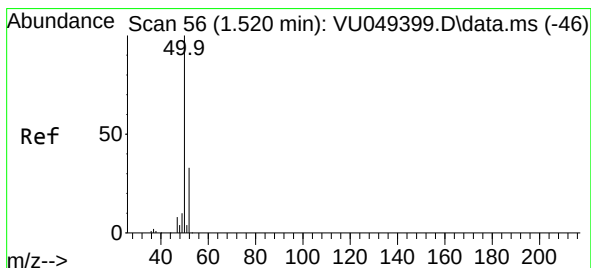
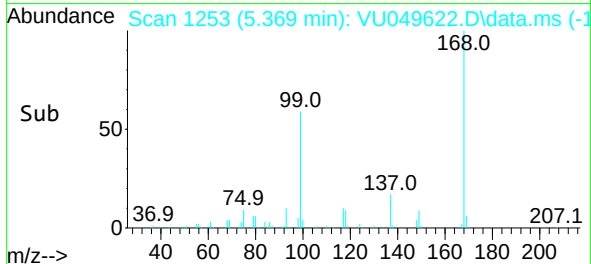
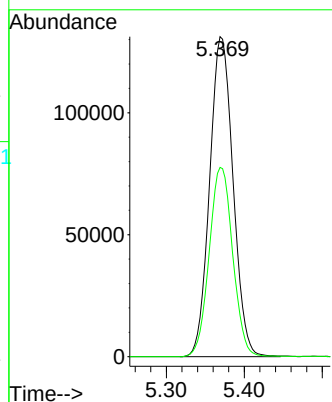
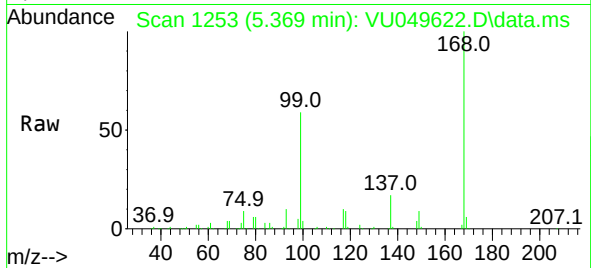




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU049622.D
Acq: 05 Jul 2022 16:46

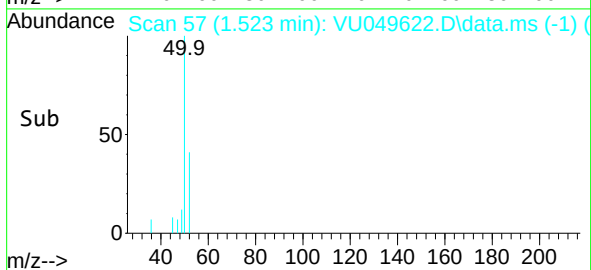
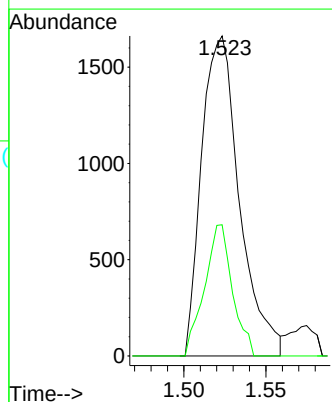
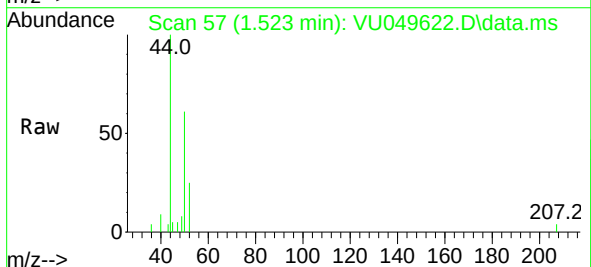
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-6

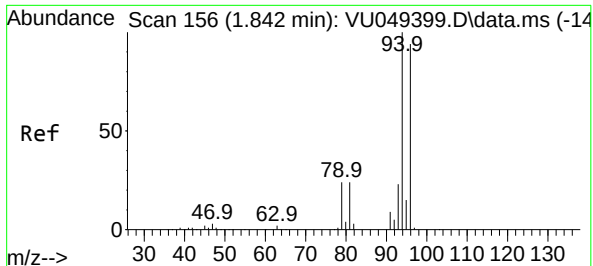
Tgt Ion:168 Resp: 273651
Ion Ratio Lower Upper
168 100
99 59.2 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU049622.D
Acq: 05 Jul 2022 16:46

Tgt Ion: 50 Resp: 2665
Ion Ratio Lower Upper
50 100
52 41.0 27.4 41.2

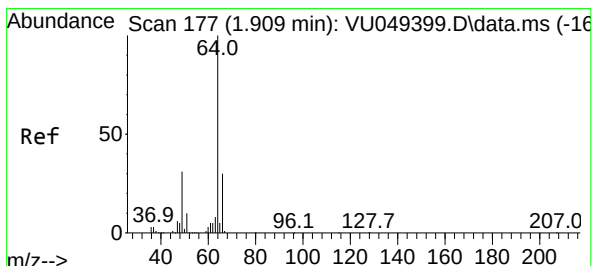
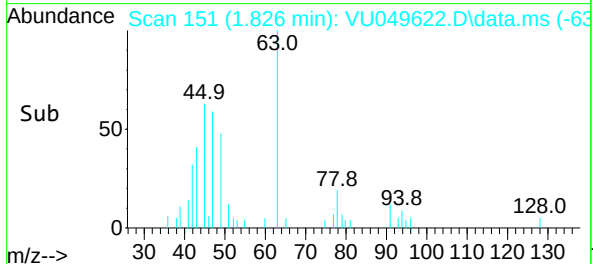
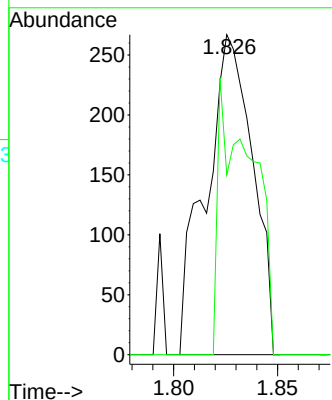
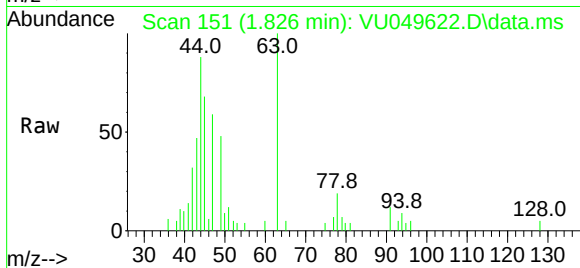




#5
Bromomethane
Concen: 0.305 ug/l
RT: 1.826 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU049622.D
Acq: 05 Jul 2022 16:46

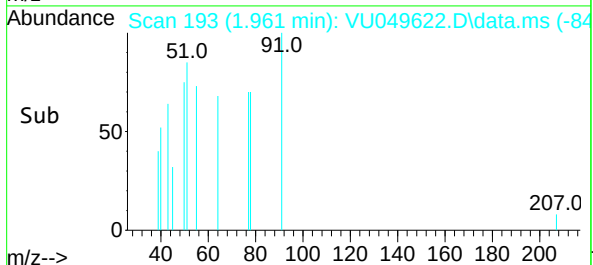
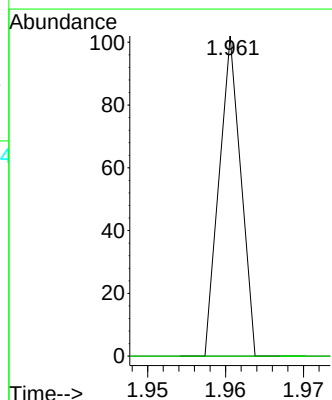
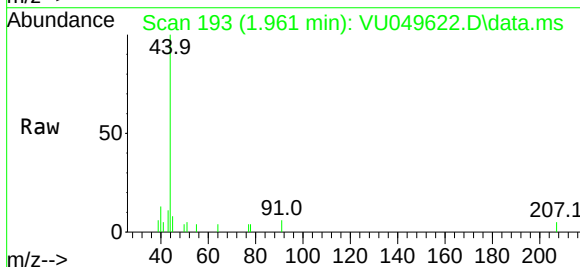
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-6

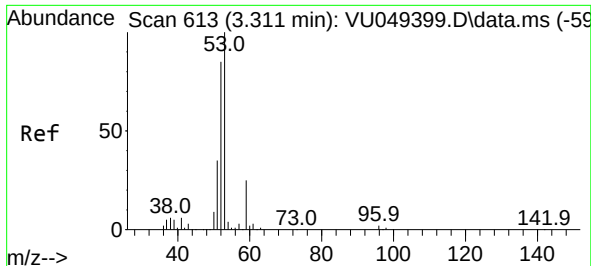
Tgt Ion: 94 Resp: 420
Ion Ratio Lower Upper
94 100
96 56.2 73.7 110.5#



#6
Chloroethane
Concen: 1.925 ug/l
RT: 1.961 min Scan# 193
Delta R.T. 0.051 min
Lab File: VU049622.D
Acq: 05 Jul 2022 16:46

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





#11

Tert butyl alcohol

Concen: 20.693 ug/l

RT: 3.182 min Scan# 51

Delta R.T. -0.129 min

Lab File: VU049622.D

Acq: 05 Jul 2022 16:46

Instrument :

MSVOA_U

ClientSampleId :

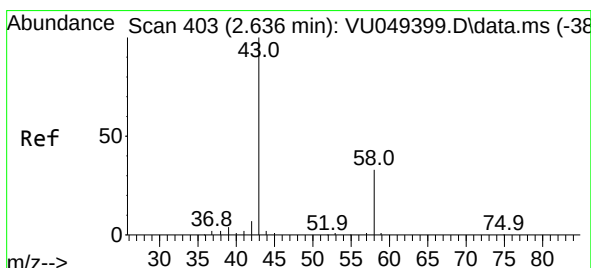
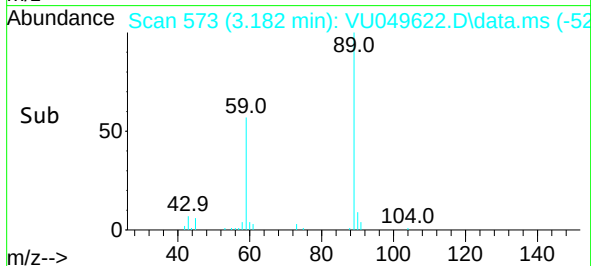
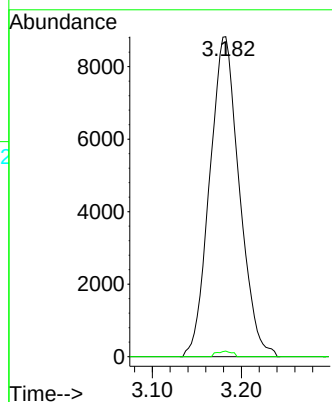
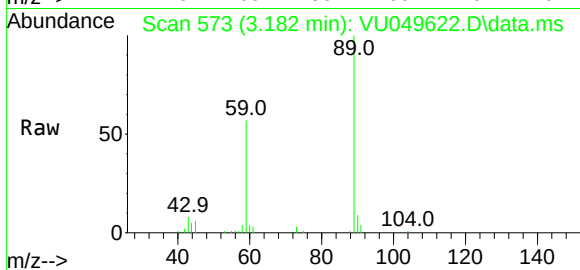
WC-16-2-6

Tgt Ion: 59 Resp: 20412

Ion Ratio Lower Upper

59 100

57 0.9 30.6 45.8#



#16

Acetone

Concen: 0.734 ug/l

RT: 2.626 min Scan# 400

Delta R.T. -0.010 min

Lab File: VU049622.D

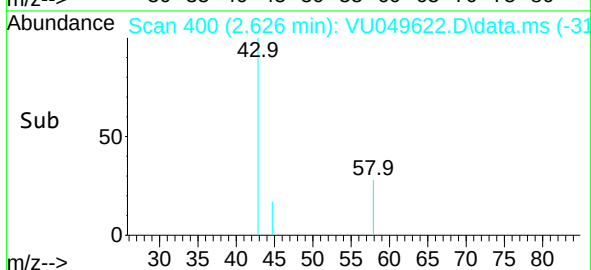
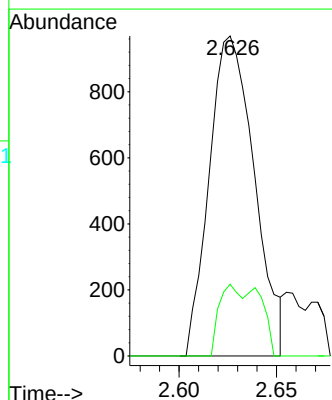
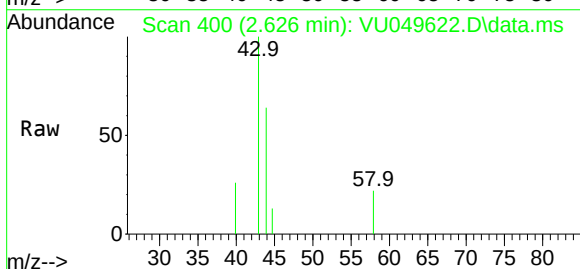
Acq: 05 Jul 2022 16:46

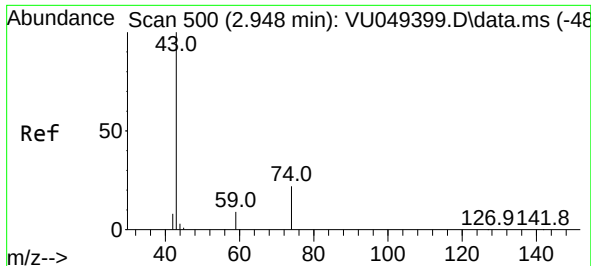
Tgt Ion: 43 Resp: 1561

Ion Ratio Lower Upper

43 100

58 22.4 27.5 41.3#

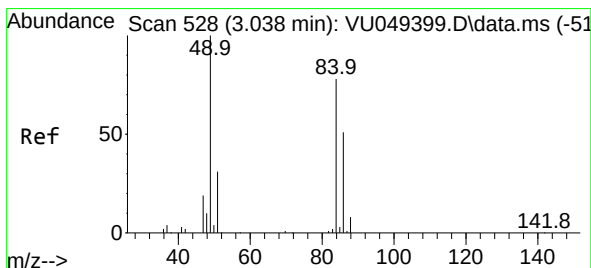
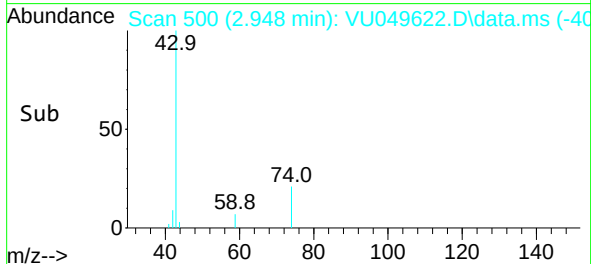
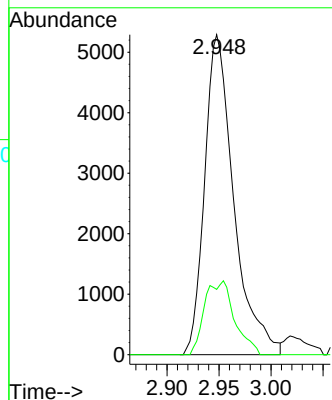
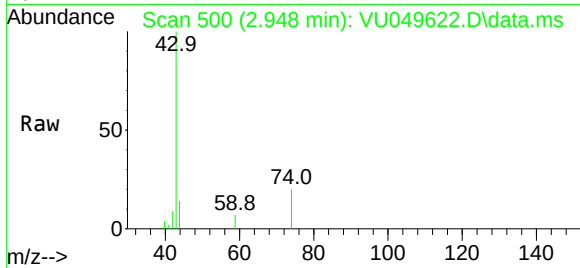




#18
Methyl Acetate
Concen: 1.792 ug/l
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU049622.D
Acq: 05 Jul 2022 16:46

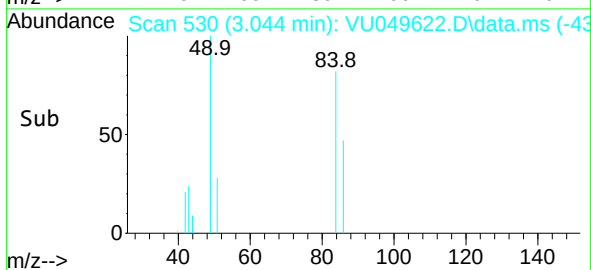
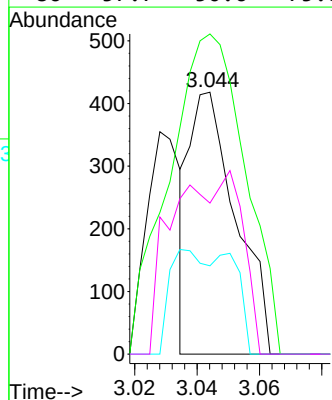
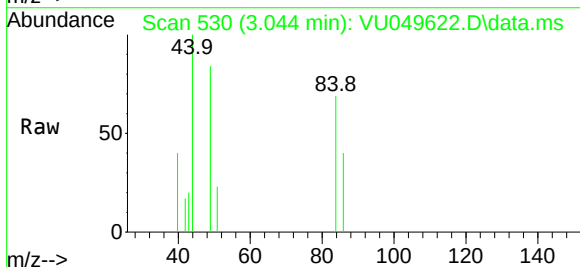
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-6

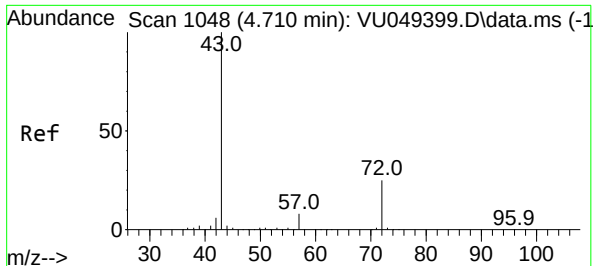
Tgt Ion: 43 Resp: 10312
Ion Ratio Lower Upper
43 100
74 23.7 22.5 33.7



#20
Methylene Chloride
Concen: Below Cal
RT: 3.044 min Scan# 530
Delta R.T. 0.006 min
Lab File: VU049622.D
Acq: 05 Jul 2022 16:46

Tgt Ion: 84 Resp: 433
Ion Ratio Lower Upper
84 100
49 122.2 86.6 129.8
51 33.7 26.6 40.0
86 57.7 50.6 75.8





#25

2-Butanone

Concen: 0.997 ug/l

RT: 4.716 min Scan# 1050

Delta R.T. 0.006 min

Lab File: VU049622.D

Acq: 05 Jul 2022 16:46

Instrument :

MSVOA_U

ClientSampleId :

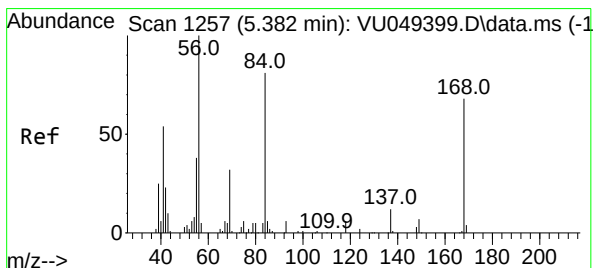
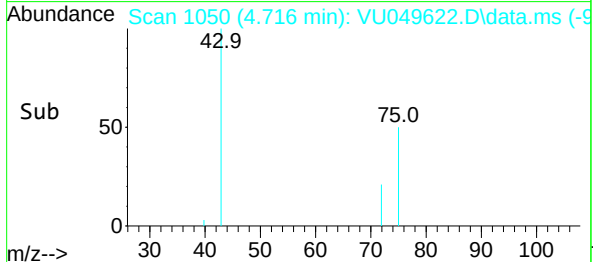
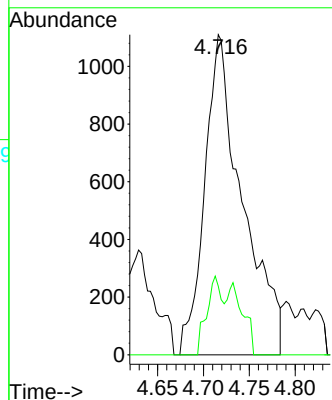
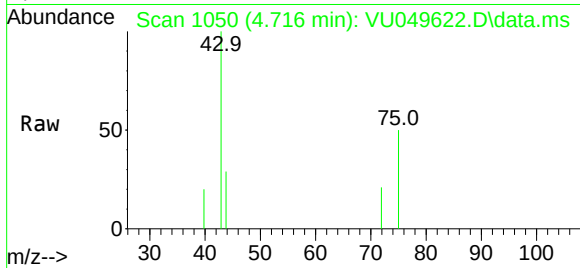
WC-16-2-6

Tgt Ion: 43 Resp: 3174

Ion Ratio Lower Upper

43 100

72 21.4 23.8 35.6#



#31

Cyclohexane

Concen: 0.966 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.013 min

Lab File: VU049622.D

Acq: 05 Jul 2022 16:46

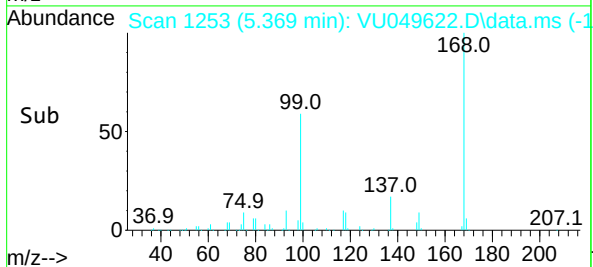
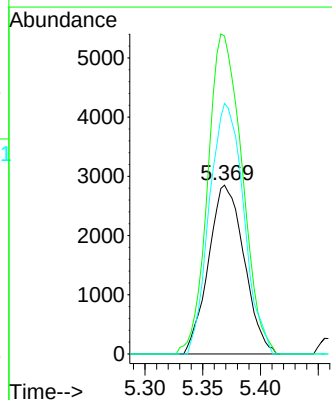
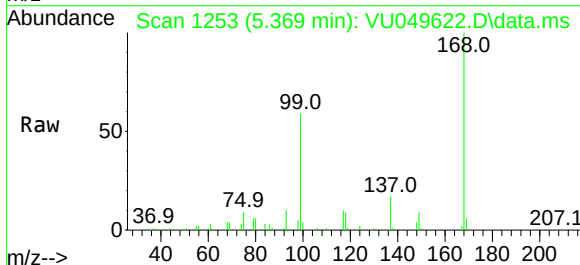
Tgt Ion: 56 Resp: 6110

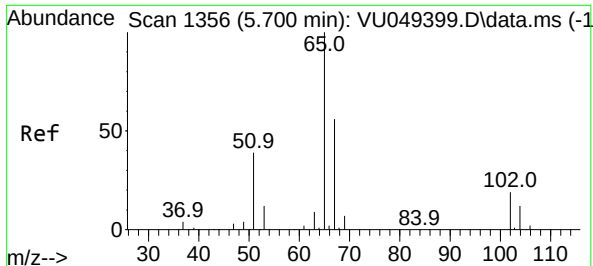
Ion Ratio Lower Upper

56 100

69 188.4 27.8 41.8#

84 148.4 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 43.773 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049622.D

Acq: 05 Jul 2022 16:46

Instrument :

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ClientSampleId :

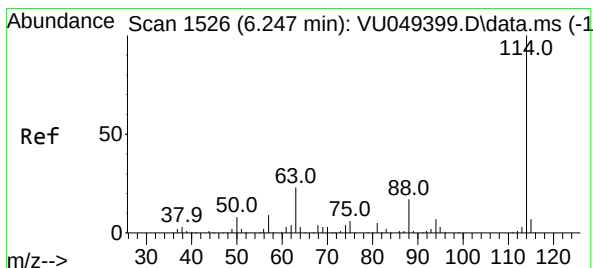
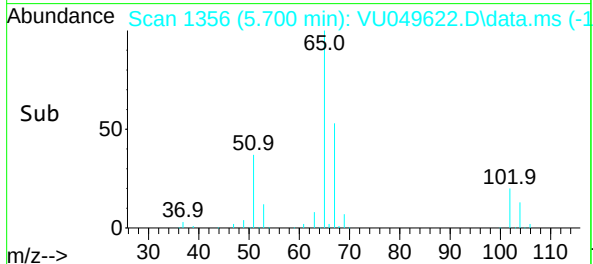
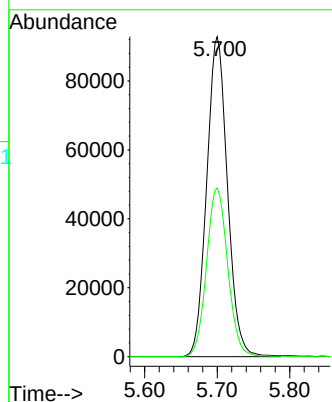
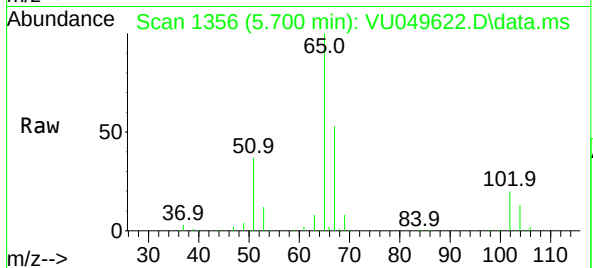
WC-16-2-6

Tgt Ion: 65 Resp: 184478

Ion Ratio Lower Upper

65 100

67 53.9 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1526

Delta R.T. 0.000 min

Lab File: VU049622.D

Acq: 05 Jul 2022 16:46

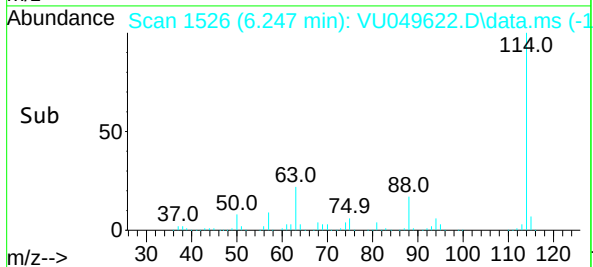
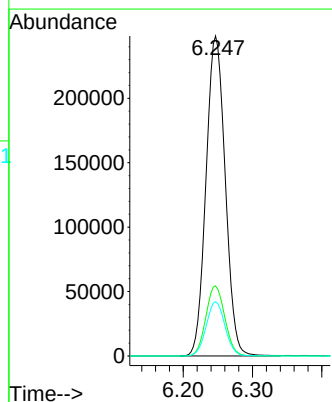
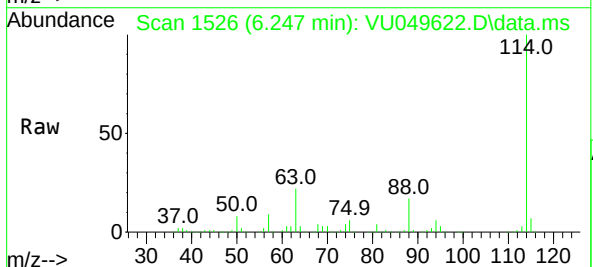
Tgt Ion: 114 Resp: 477436

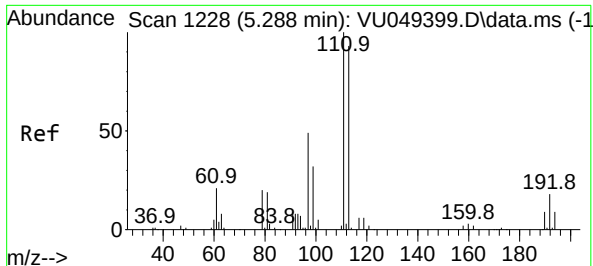
Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.8

88 17.0 0.0 29.2





#35

Dibromofluoromethane

Concen: 44.758 ug/l

RT: 5.288 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049622.D

Acq: 05 Jul 2022 16:46

Instrument :

MSVOA_U

ClientSampleId :

WC-16-2-6

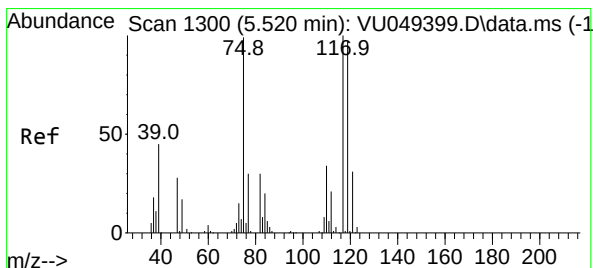
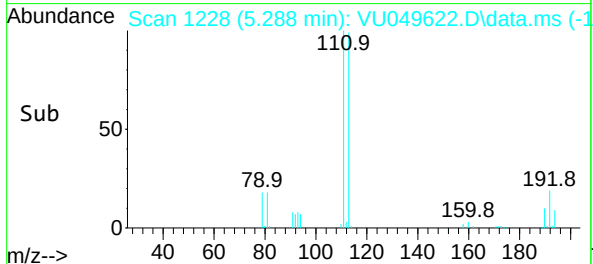
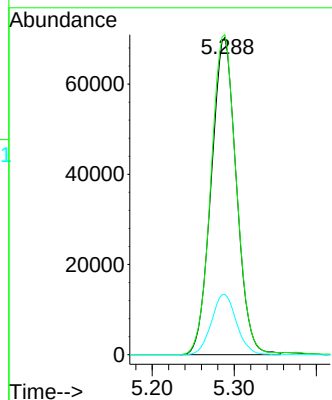
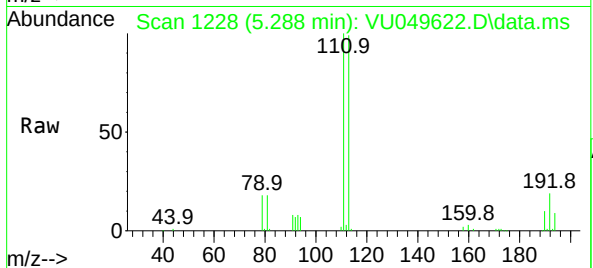
Tgt Ion:113 Resp: 149505

Ion Ratio Lower Upper

113 100

111 102.0 82.1 123.1

192 19.0 18.0 27.0



#36

1,1-Dichloropropene

Concen: 4.772 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.151 min

Lab File: VU049622.D

Acq: 05 Jul 2022 16:46

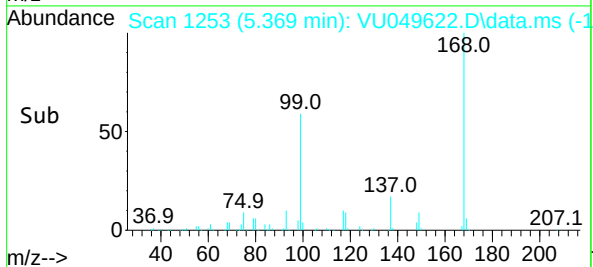
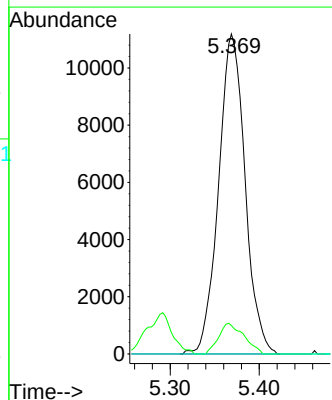
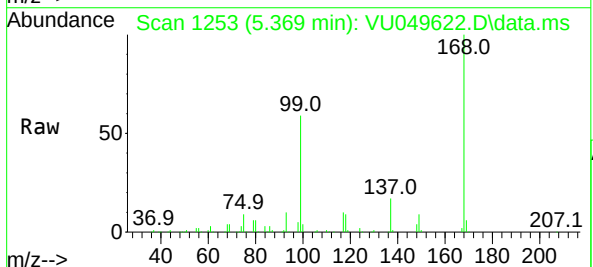
Tgt Ion: 75 Resp: 23112

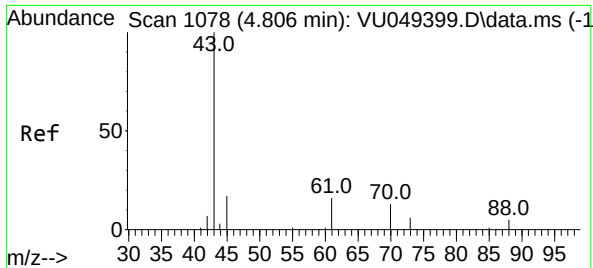
Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.2#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 0.480 ug/l

RT: 4.716 min Scan# 1

Delta R.T. -0.090 min

Lab File: VU049622.D

Acq: 05 Jul 2022 16:46

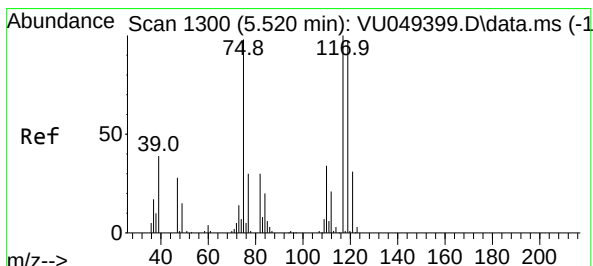
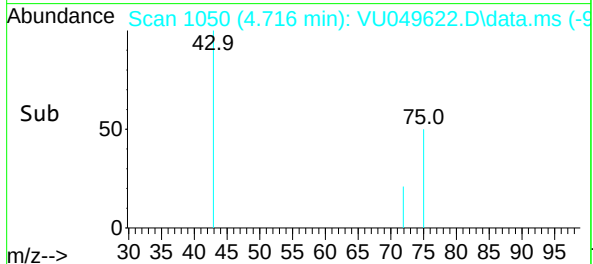
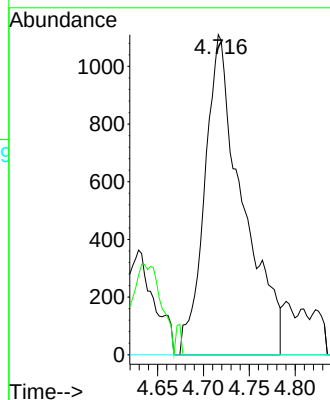
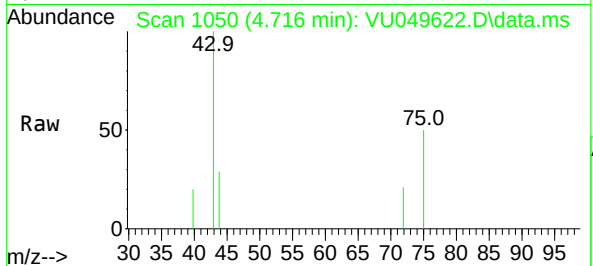
Instrument :

MSVOA_U

ClientSampleId :

WC-16-2-6

Tgt Ion: 43	Resp:	3174
Ion Ratio	Lower	Upper
43	100	
61	0.0	9.5 14.3#
70	0.0	7.5 11.3#



#38

Carbon Tetrachloride

Concen: 5.479 ug/l

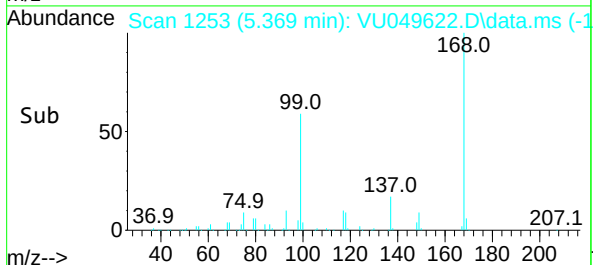
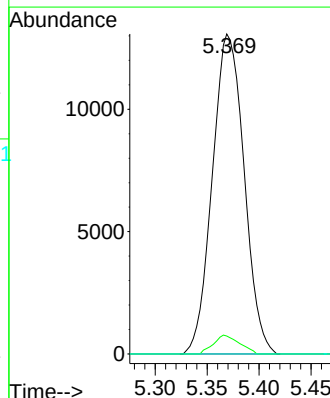
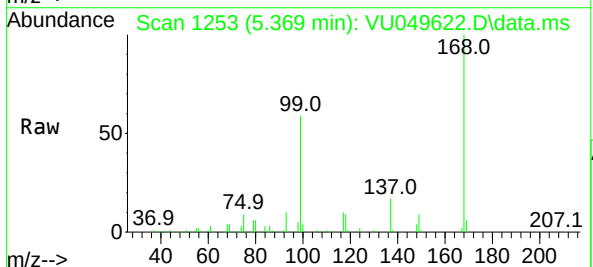
RT: 5.369 min Scan# 1253

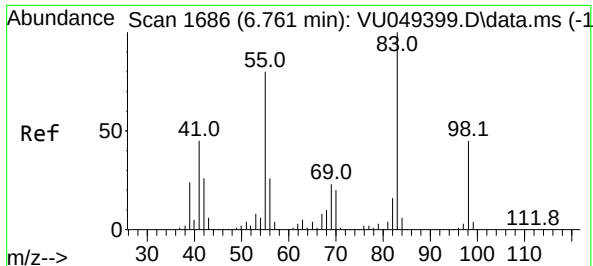
Delta R.T. -0.151 min

Lab File: VU049622.D

Acq: 05 Jul 2022 16:46

Tgt Ion: 117	Resp:	27828
Ion Ratio	Lower	Upper
117	100	
119	5.6	76.8 115.2#
121	0.0	24.7 37.1#





#39

Methylcyclohexane

Concen: 0.428 ug/l

RT: 6.761 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049622.D

Acq: 05 Jul 2022 16:46

Instrument :

MSVOA_U

ClientSampleId :

WC-16-2-6

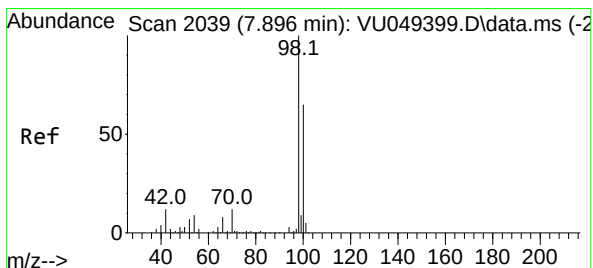
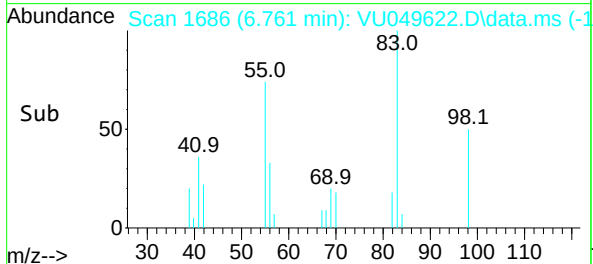
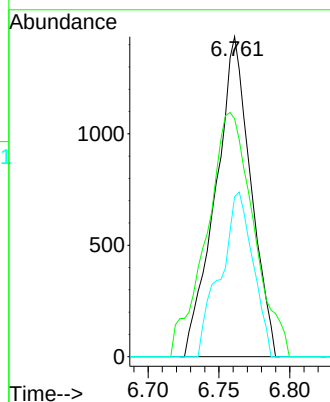
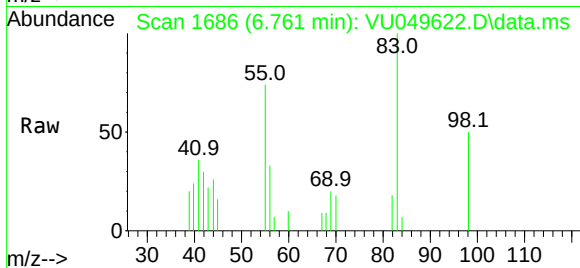
Tgt Ion: 83 Resp: 2485

Ion Ratio Lower Upper

83 100

55 63.6 55.3 82.9

98 49.9 37.3 55.9



#50

Toluene-d8

Concen: 48.122 ug/l

RT: 7.896 min Scan# 2039

Delta R.T. 0.000 min

Lab File: VU049622.D

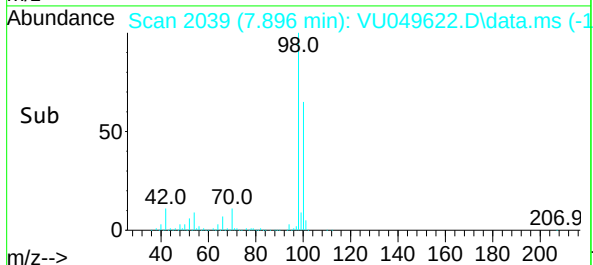
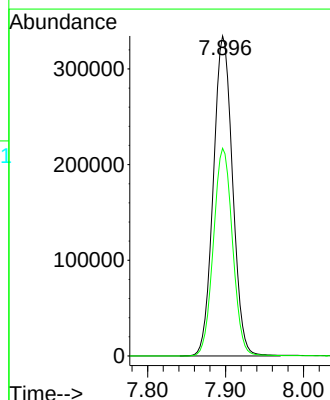
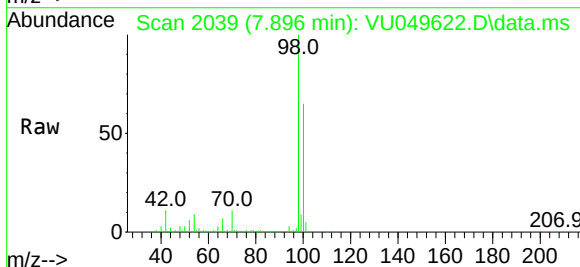
Acq: 05 Jul 2022 16:46

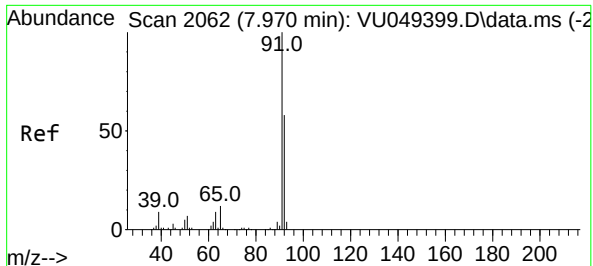
Tgt Ion: 98 Resp: 573316

Ion Ratio Lower Upper

98 100

100 64.4 51.7 77.5

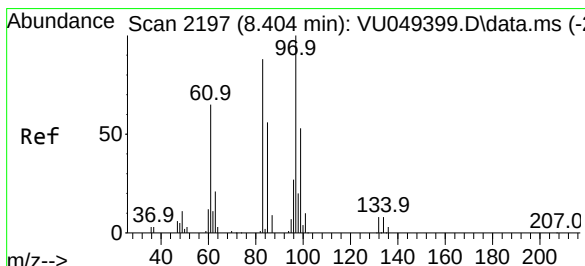
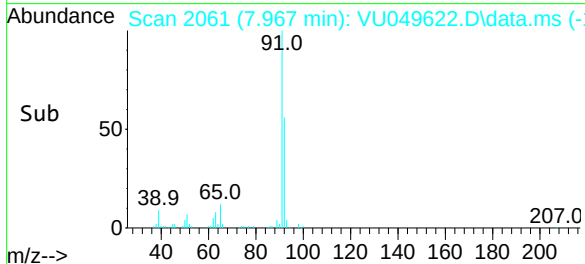
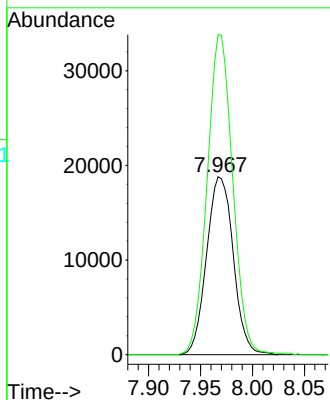
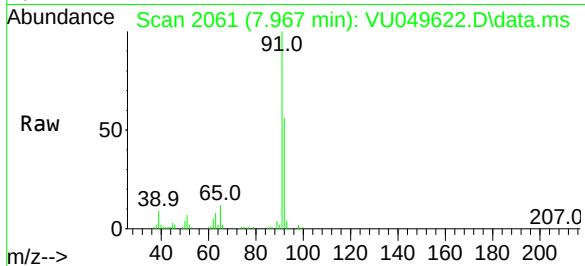




#52
Toluene
Concen: 3.865 ug/l
RT: 7.967 min Scan# 2062
Delta R.T. -0.003 min
Lab File: VU049622.D
Acq: 05 Jul 2022 16:46

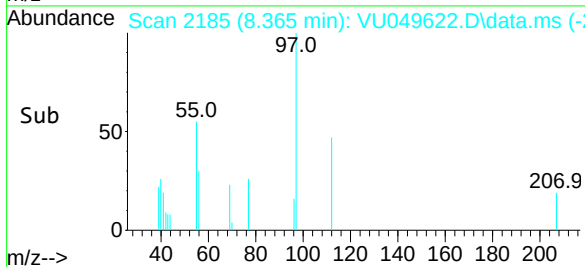
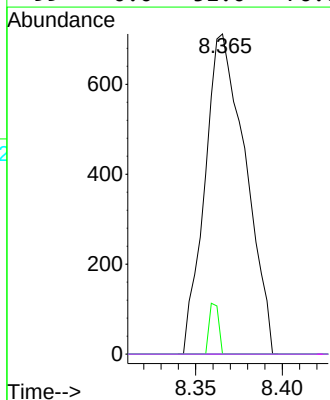
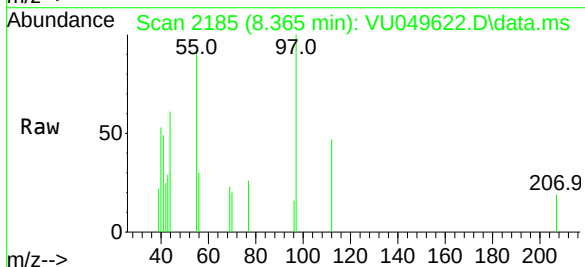
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-6

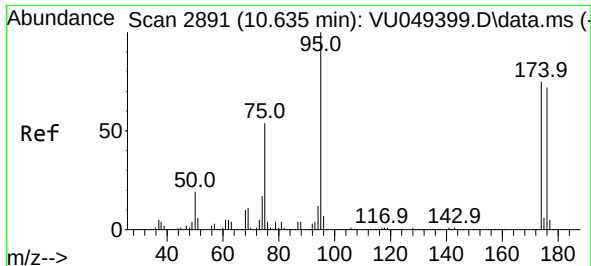
Tgt Ion: 92 Resp: 33591
Ion Ratio Lower Upper
92 100
91 172.2 138.2 207.4



#55
1,1,2-Trichloroethane
Concen: 0.323 ug/l
RT: 8.365 min Scan# 2185
Delta R.T. -0.039 min
Lab File: VU049622.D
Acq: 05 Jul 2022 16:46

Tgt Ion: 97 Resp: 1161
Ion Ratio Lower Upper
97 100
83 0.0 70.2 105.4#
85 0.0 44.6 66.8#
99 0.0 51.0 76.6#

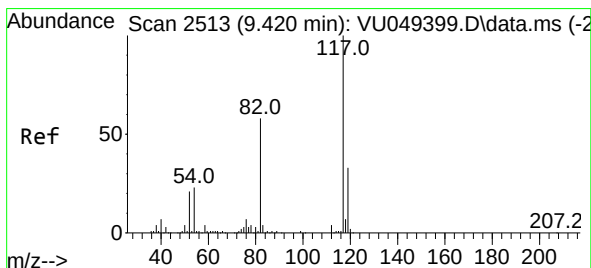
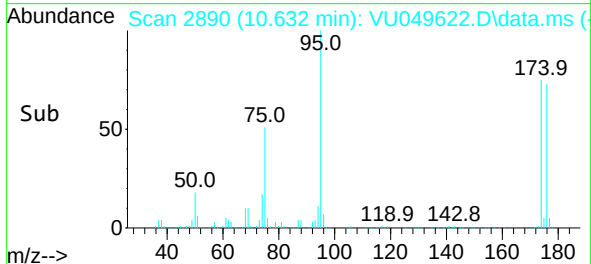
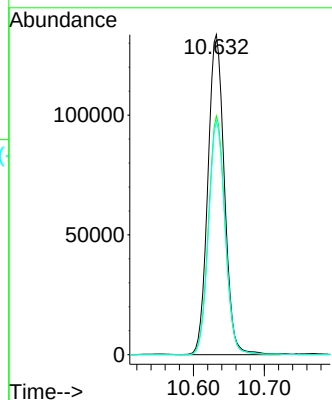
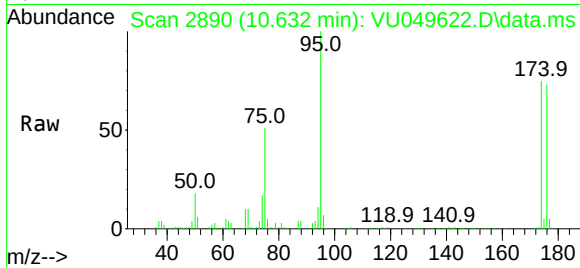




#62
4-Bromofluorobenzene
Concen: 47.387 ug/l
RT: 10.632 min Scan# 216265
Delta R.T. -0.003 min
Lab File: VU049622.D
Acq: 05 Jul 2022 16:46

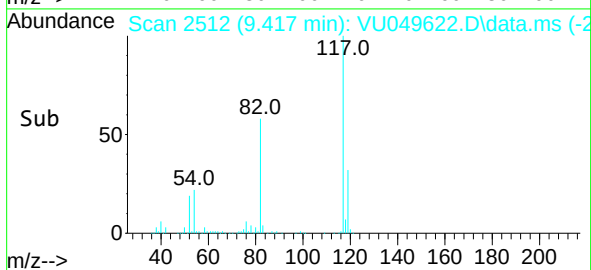
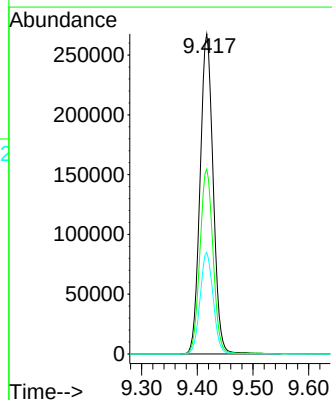
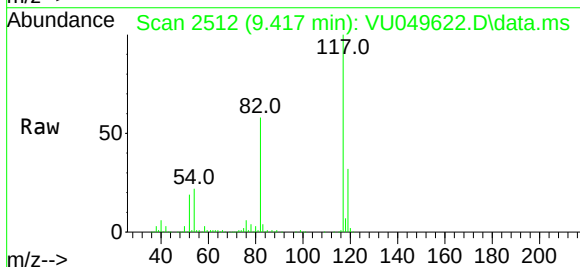
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-6

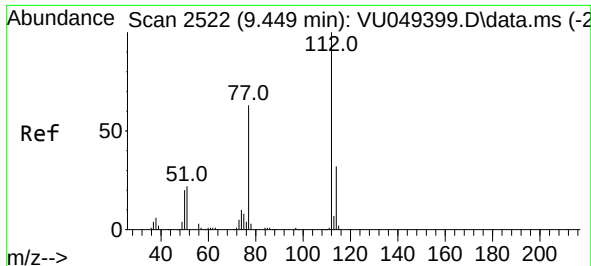
Tgt Ion: 95 Resp: 216265
Ion Ratio Lower Upper
95 100
174 74.9 0.0 182.0
176 72.8 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049622.D
Acq: 05 Jul 2022 16:46

Tgt Ion: 117 Resp: 437718
Ion Ratio Lower Upper
117 100
82 57.8 41.7 62.5
119 31.7 25.7 38.5

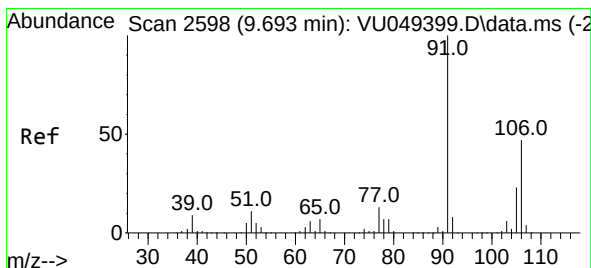
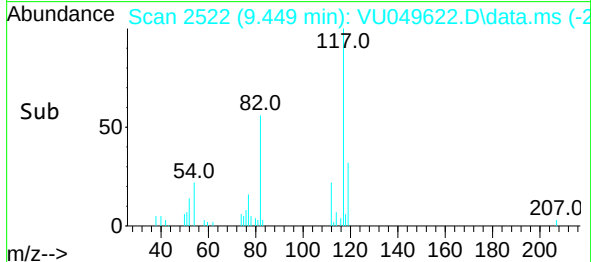
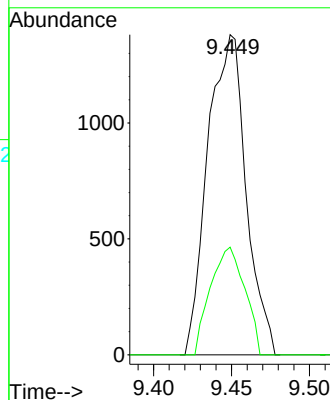
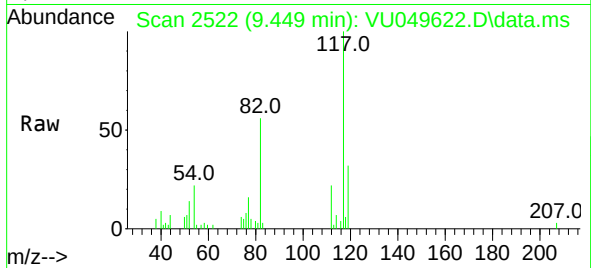




#65
Chlorobenzene
Concen: 0.264 ug/l
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU049622.D
Acq: 05 Jul 2022 16:46

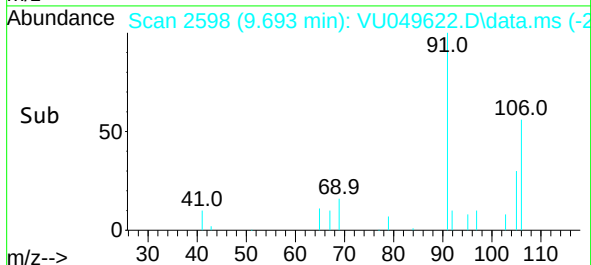
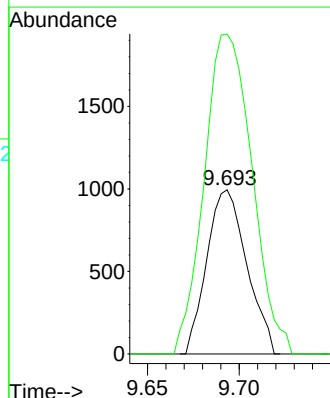
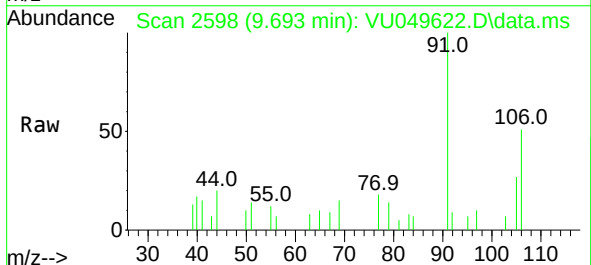
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-6

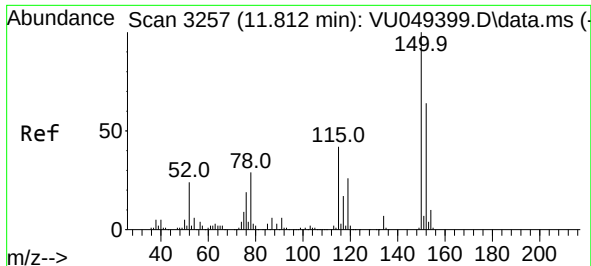
Tgt Ion:112 Resp: 2359
Ion Ratio Lower Upper
112 100
114 33.6 24.9 37.3



#68
m/p-Xylenes
Concen: 0.248 ug/l
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU049622.D
Acq: 05 Jul 2022 16:46

Tgt Ion:106 Resp: 1507
Ion Ratio Lower Upper
106 100
91 233.0 157.2 235.8

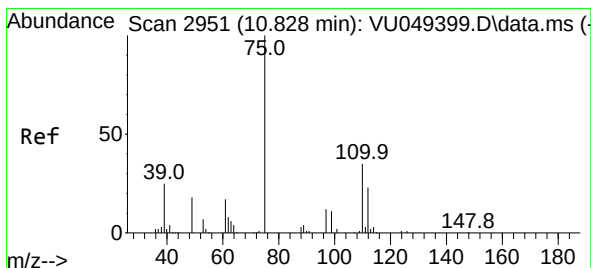
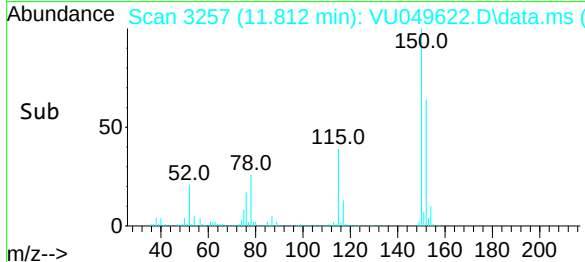
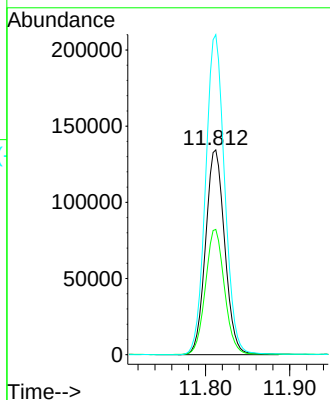
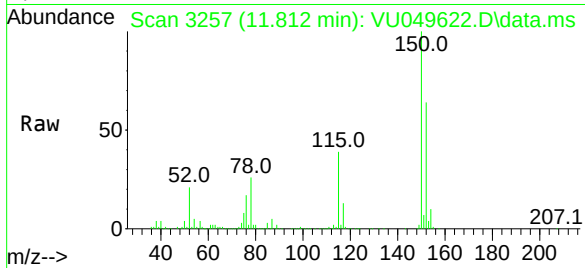




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049622.D
 Acq: 05 Jul 2022 16:46

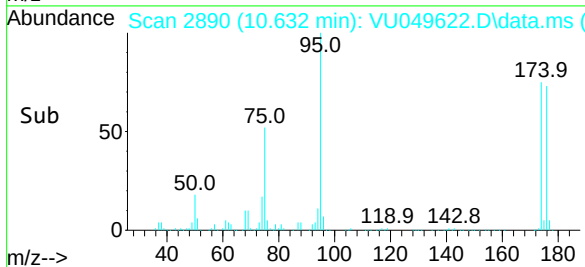
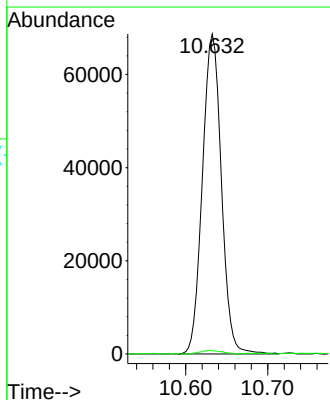
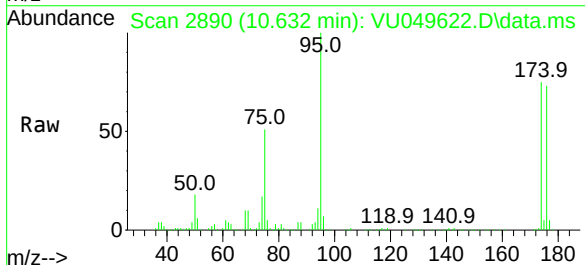
Instrument :
 MSVOA_U
 ClientSampleId :
 WC-16-2-6

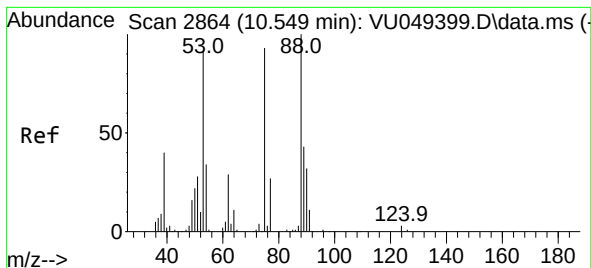
Tgt Ion:152 Resp: 212909
 Ion Ratio Lower Upper
 152 100
 115 60.8 37.0 110.9
 150 156.0 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.316 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049622.D
 Acq: 05 Jul 2022 16:46

Tgt Ion: 75 Resp: 110543
 Ion Ratio Lower Upper
 75 100
 77 1.2 15.8 47.3#

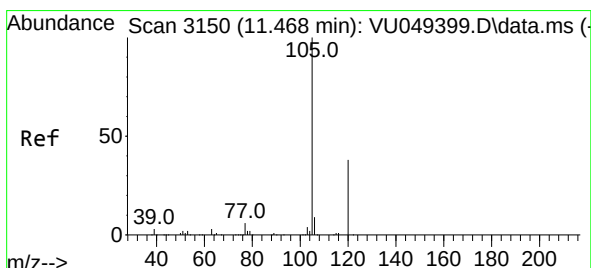
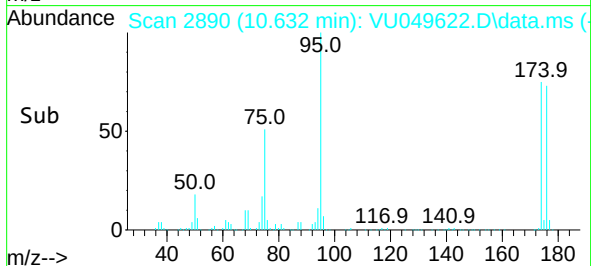
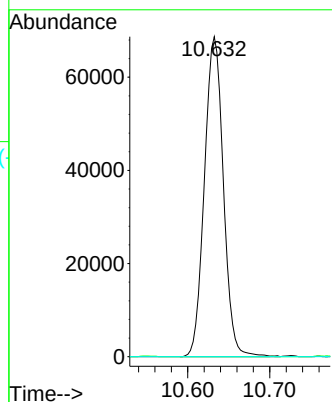
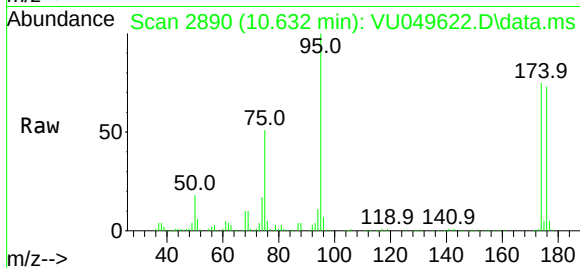




#81
trans-1,4-Dichloro-2-butene
Concen: 56.561 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049622.D
Acq: 05 Jul 2022 16:46

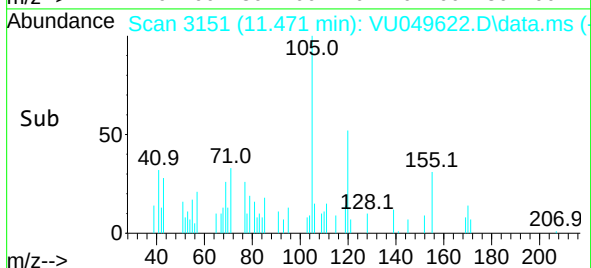
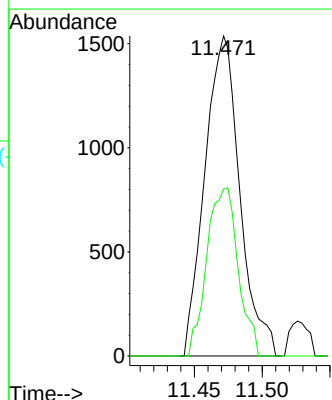
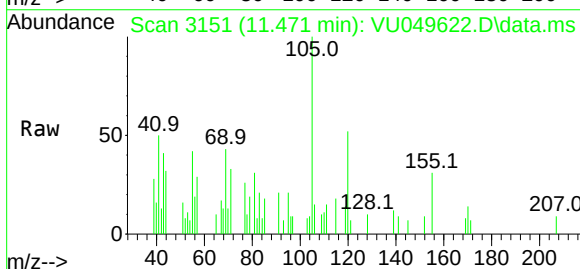
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-6

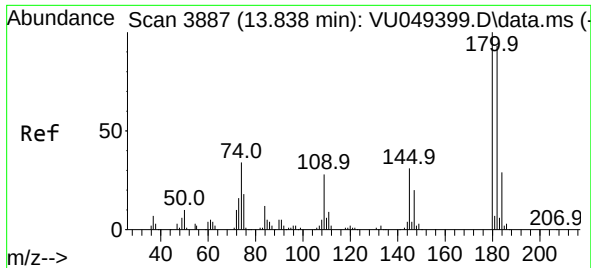
Tgt Ion: 75 Resp: 110543
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.212 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU049622.D
Acq: 05 Jul 2022 16:46

Tgt Ion: 105 Resp: 2756
Ion Ratio Lower Upper
105 100
120 47.0 23.4 70.3

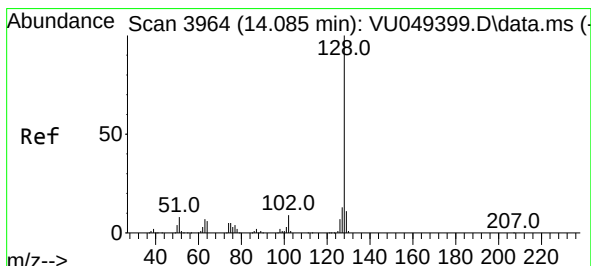
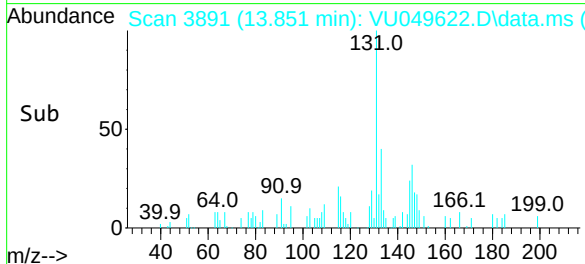
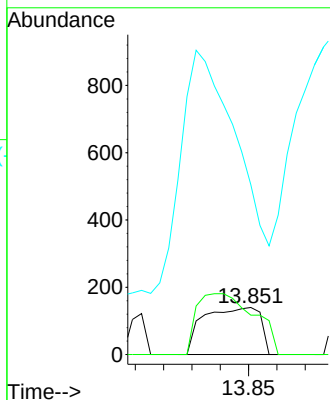
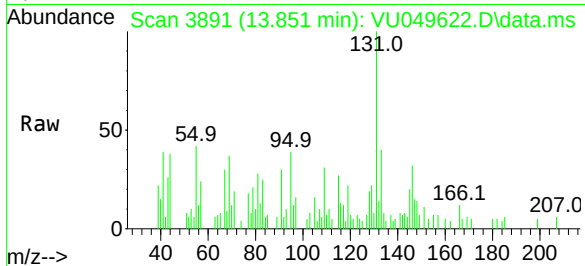




#93
1,2,4-Trichlorobenzene
Concen: 1.793 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.013 min
Lab File: VU049622.D
Acq: 05 Jul 2022 16:46

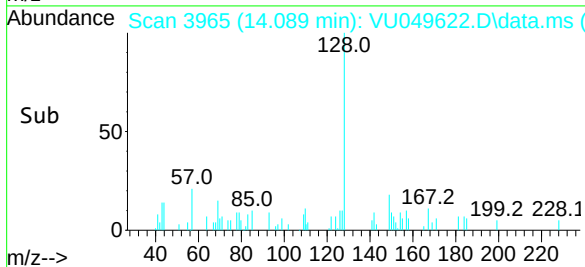
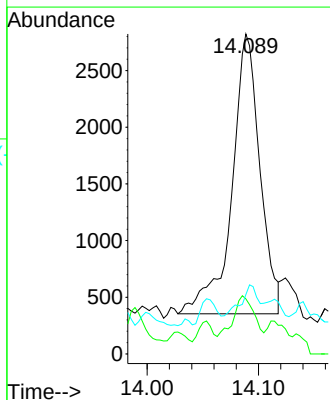
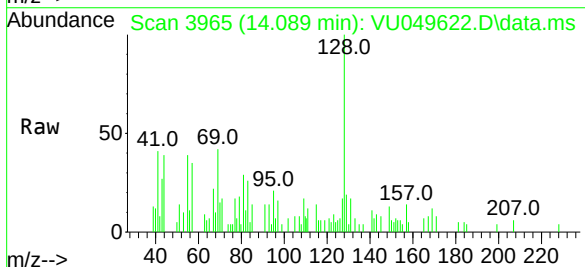
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-6

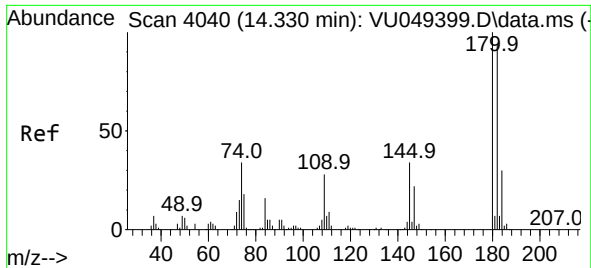
Tgt Ion:180 Resp: 193
Ion Ratio Lower Upper
180 100
182 132.1 47.9 143.6
145 526.4 14.0 41.9#



#95
Naphthalene
Concen: 1.987 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU049622.D
Acq: 05 Jul 2022 16:46

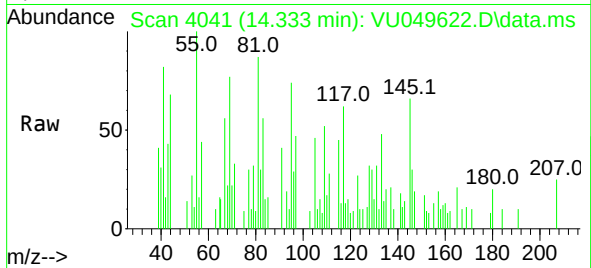
Tgt Ion:128 Resp: 4339
Ion Ratio Lower Upper
128 100
127 11.4 10.3 15.5
129 6.6 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.207 ug/l
 RT: 14.333 min Scan# 4040
 Delta R.T. 0.003 min
 Lab File: VU049622.D
 Acq: 05 Jul 2022 16:46

Instrument :
 MSVOA_U
 ClientSampleId :
 WC-16-2-6



Tgt Ion:180 Resp: 151
 Ion Ratio Lower Upper
 180 100
 182 26.5 48.4 145.0#
 145 0.0 14.8 44.4#

