

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U070522\
 Data File : U049621.D
 Acq On : 05 Jul 2022 16:23
 Operator : SY/MD
 Sample : N3564-21 10X
 Misc : 5.77g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WC-16-2-5

Quant Time: Jul 06 07:48:39 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)

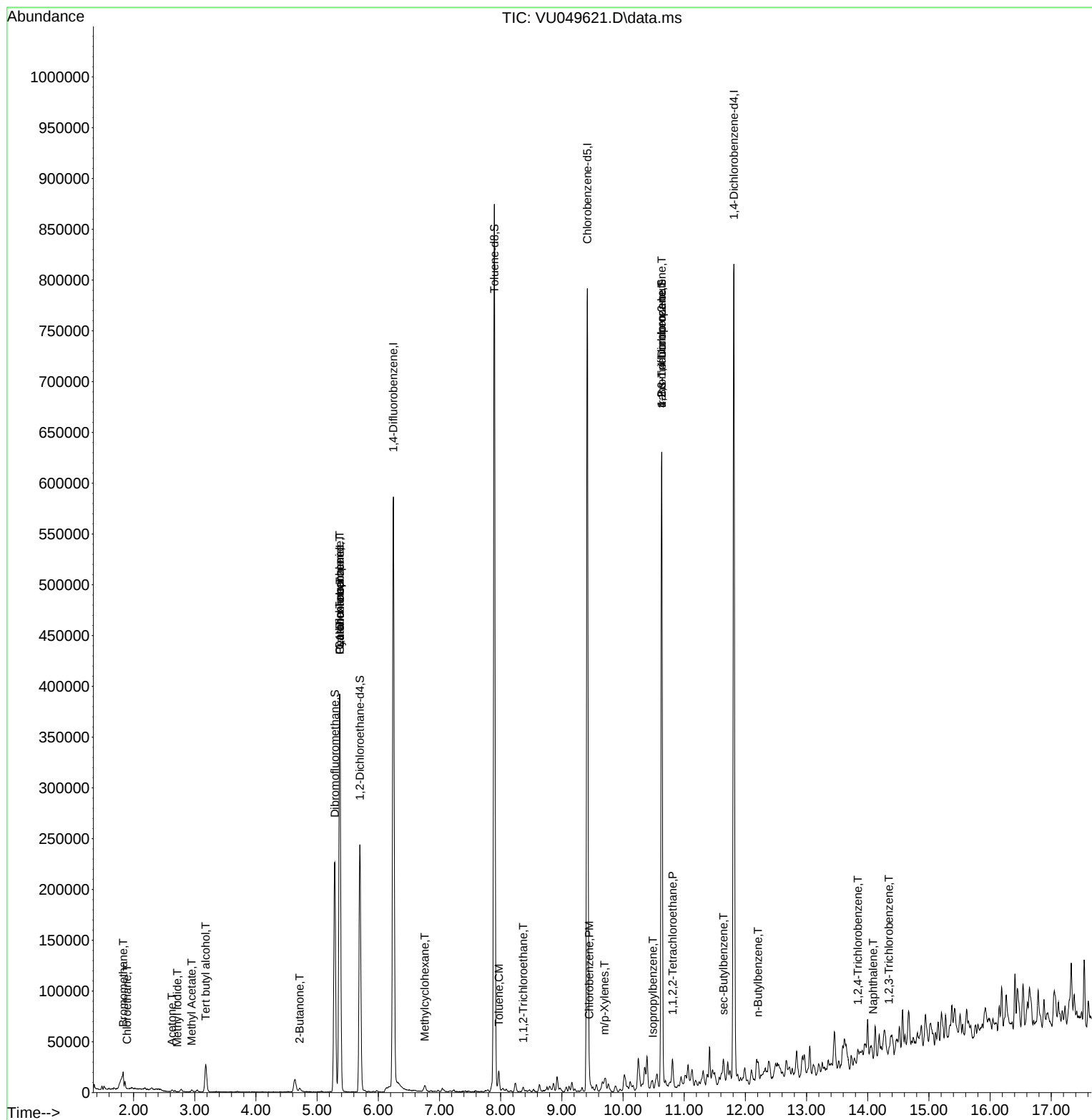
Internal Standards						
1) Pentafluorobenzene	5.372	168	268348	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	466431	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	427813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	207708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	180588	43.697	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.400%		
35) Dibromofluoromethane	5.289	113	146777	44.979	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.960%		
50) Toluene-d8	7.896	98	563788	48.439	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.880%		
62) 4-Bromofluorobenzene	10.632	95	216596	48.579	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.160%		
Target Compounds						
						Qvalue
3) Chloromethane	1.520	50	3509	Below Cal		96
5) Bromomethane	1.829	94	359	0.266 ug/l	#	57
6) Chloroethane	1.893	64	44	1.936 ug/l	#	44
10) Methyl Iodide	2.713	142	44	7.526 ug/l	#	43
11) Tert butyl alcohol	3.179	59	16562	17.122 ug/l	#	37
16) Acetone	2.623	43	2214	1.062 ug/l		93
18) Methyl Acetate	2.948	43	2918	0.517 ug/l	#	79
20) Methylene Chloride	3.041	84	842	Below Cal	#	86
25) 2-Butanone	4.713	43	5227	1.674 ug/l		98
31) Cyclohexane	5.372	56	6279	1.012 ug/l	#	1
36) 1,1-Dichloropropene	5.369	75	21683	4.583 ug/l	#	48
38) Carbon Tetrachloride	5.369	117	27513	5.544 ug/l	#	16
39) Methylcyclohexane	6.758	83	2480	0.437 ug/l		86
52) Toluene	7.970	92	7918	0.933 ug/l		95
55) 1,1,2-Trichloroethane	8.369	97	1547	0.441 ug/l	#	14
65) Chlorobenzene	9.449	112	5720	0.654 ug/l		91
68) m/p-Xylenes	9.697	106	1767	0.297 ug/l		94
73) Isopropylbenzene	10.488	105	3305	0.223 ug/l		95
75) 1,1,2,2-Tetrachloroethane	10.809	83	3088	0.493 ug/l	#	32
76) 1,2,3-Trichloropropane	10.632	75	108800	15.452 ug/l	#	46
81) trans-1,4-Dichloro-2-b...	10.632	75	108800	57.063 ug/l	#	15
85) sec-Butylbenzene	11.642	105	3647	0.228 ug/l		92
89) n-Butylbenzene	12.208	91	3503	0.293 ug/l		96
93) 1,2,4-Trichlorobenzene	13.838	180	118	1.778 ug/l	#	1
95) Naphthalene	14.089	128	5925	2.088 ug/l	#	86
96) 1,2,3-Trichlorobenzene	14.346	180	443	1.267 ug/l	#	1

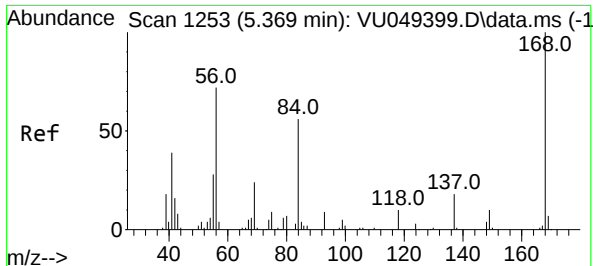
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070522\
Data File : VU049621.D
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Sample : N3564-21 10X
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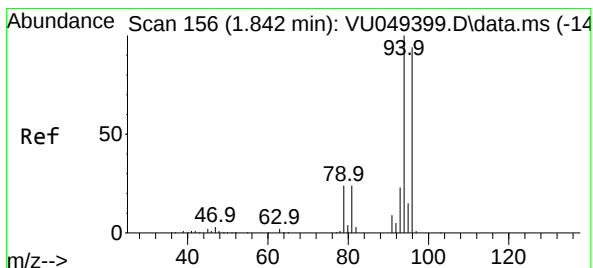
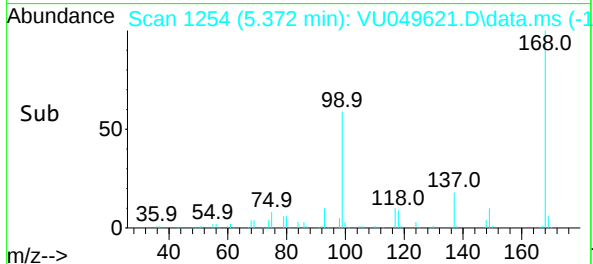
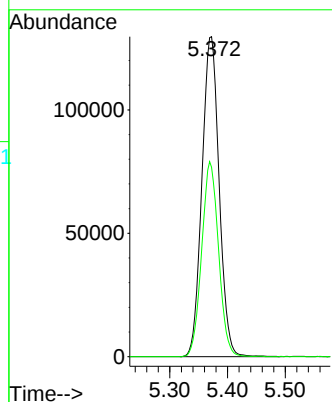
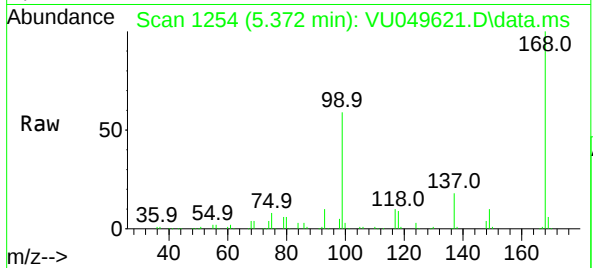




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

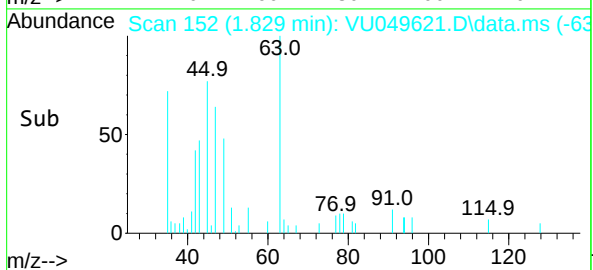
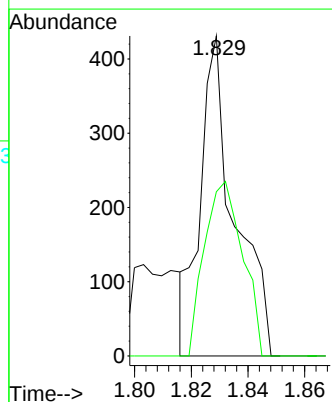
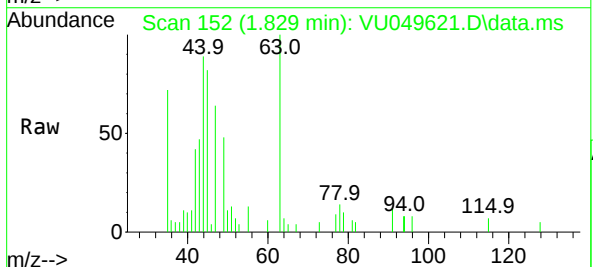
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5

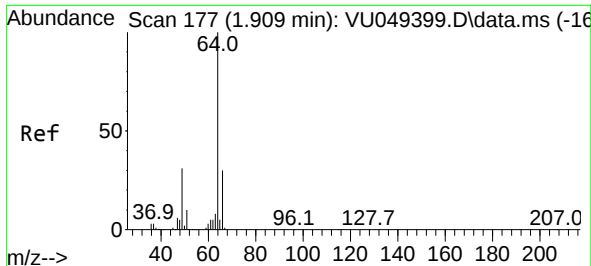
Tgt Ion:168 Resp: 268348
Ion Ratio Lower Upper
168 100
99 59.2 39.3 58.9#



#5
Bromomethane
Concen: 0.266 ug/l
RT: 1.829 min Scan# 152
Delta R.T. -0.013 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

Tgt Ion: 94 Resp: 359
Ion Ratio Lower Upper
94 100
96 51.3 73.7 110.5#

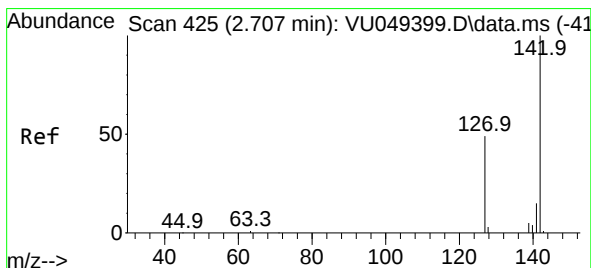
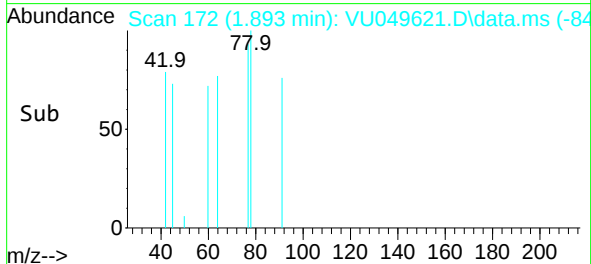
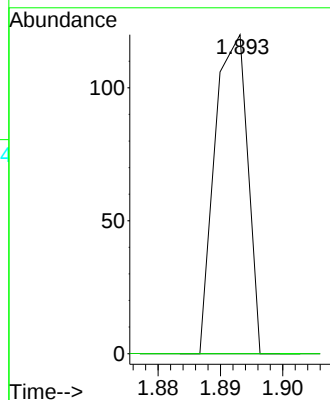
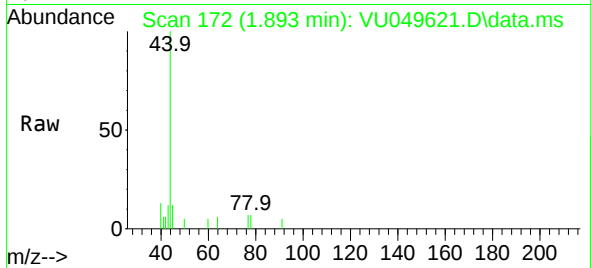




#6
Chloroethane
Concen: 1.936 ug/l
RT: 1.893 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

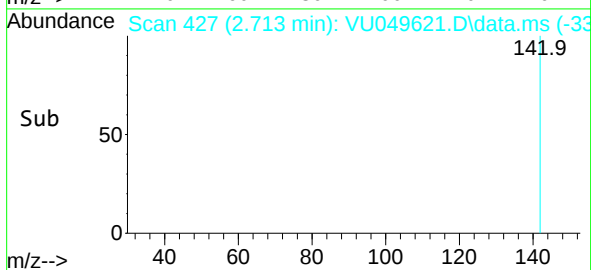
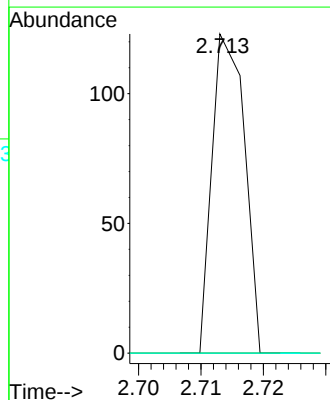
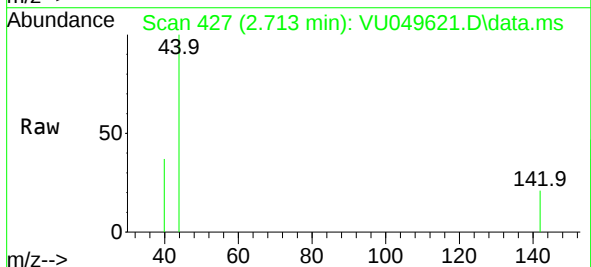
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5

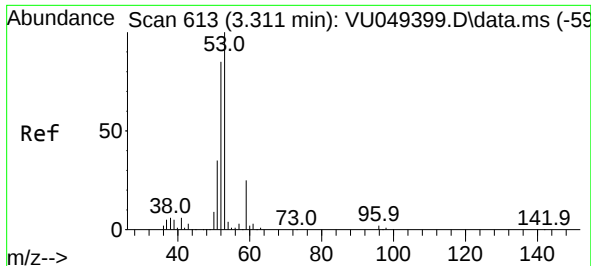
Tgt Ion: 64 Resp: 44
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#10
Methyl Iodide
Concen: 7.526 ug/l
RT: 2.713 min Scan# 427
Delta R.T. 0.007 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

Tgt Ion: 142 Resp: 44
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#

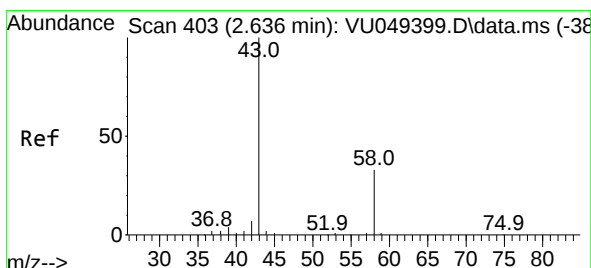
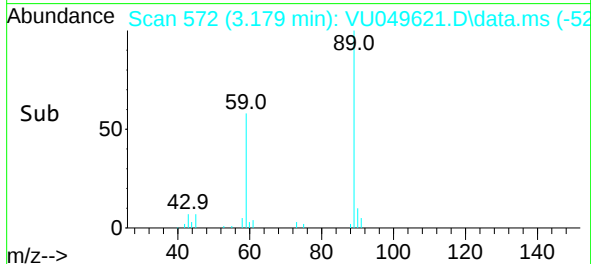
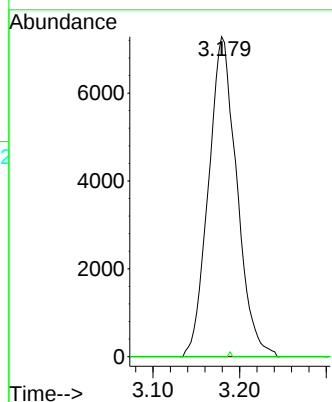
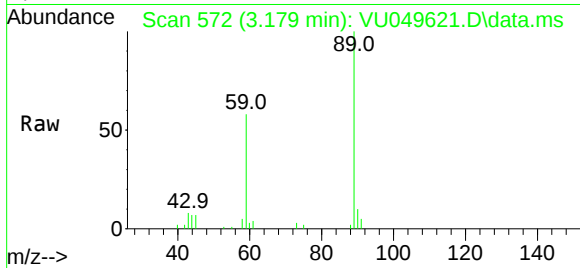




#11
Tert butyl alcohol
Concen: 17.122 ug/l
RT: 3.179 min Scan# 51
Delta R.T. -0.132 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

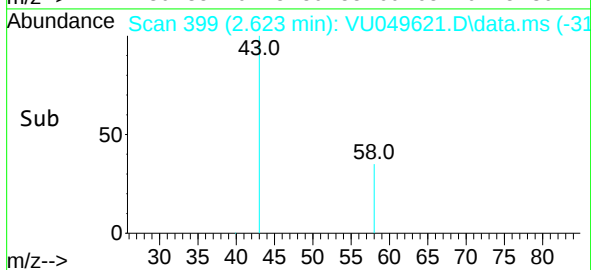
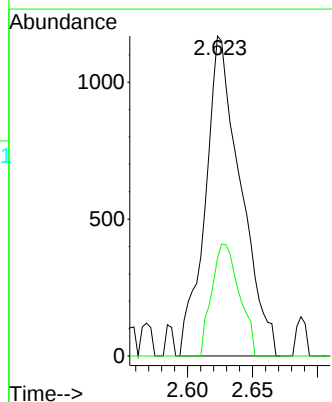
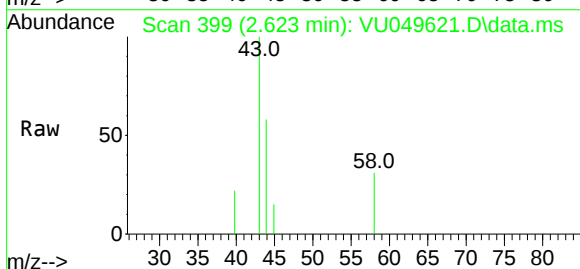
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5

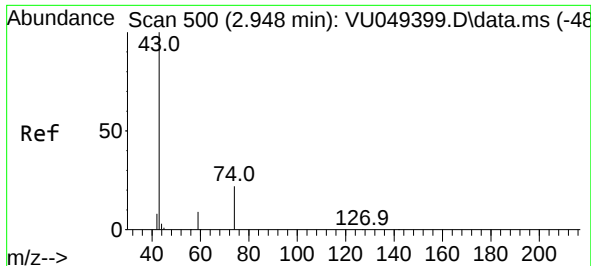
Tgt Ion: 59 Resp: 16562
Ion Ratio Lower Upper
59 100
57 0.1 30.6 45.8#



#16
Acetone
Concen: 1.062 ug/l
RT: 2.623 min Scan# 399
Delta R.T. -0.013 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

Tgt Ion: 43 Resp: 2214
Ion Ratio Lower Upper
43 100
58 30.5 27.5 41.3

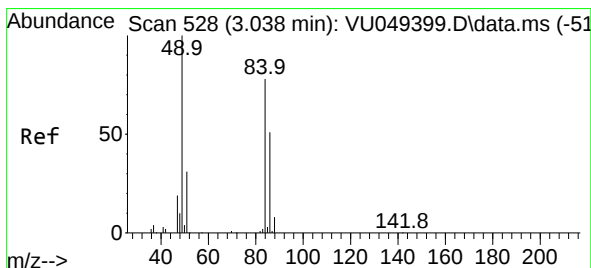
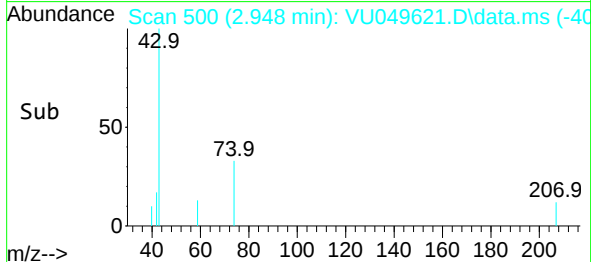
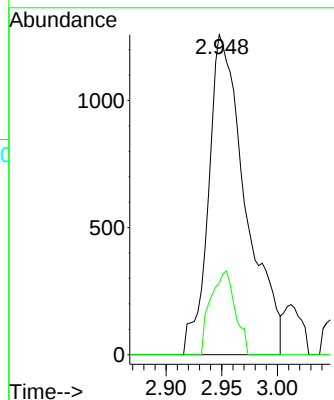
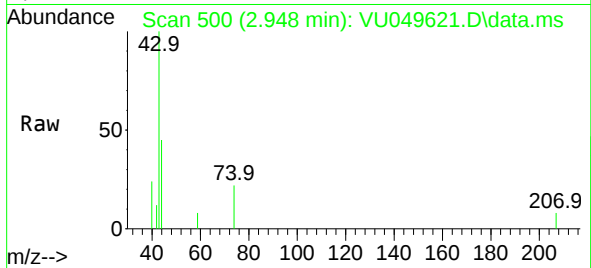




#18
Methyl Acetate
Concen: 0.517 ug/l
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

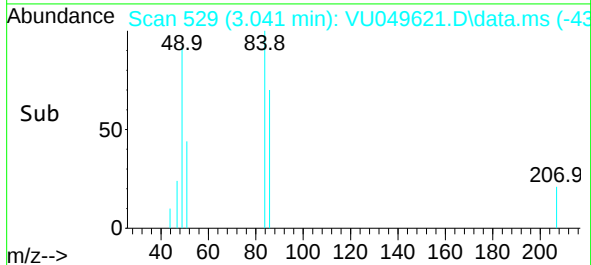
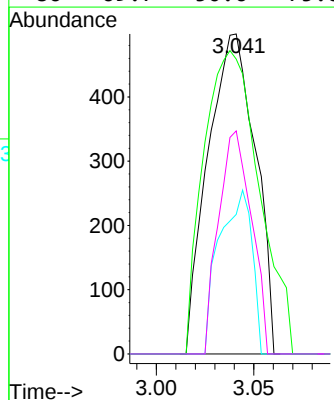
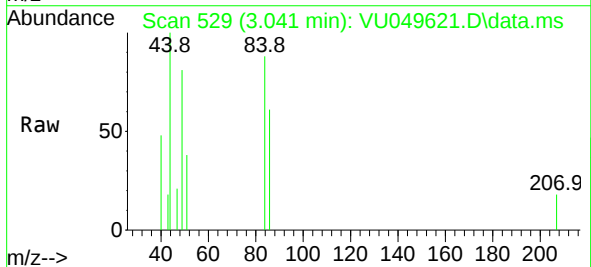
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5

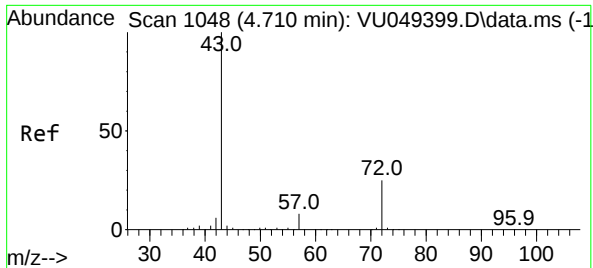
Tgt Ion: 43 Resp: 2918
Ion Ratio Lower Upper
43 100
74 17.3 22.5 33.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.041 min Scan# 529
Delta R.T. 0.003 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

Tgt Ion: 84 Resp: 842
Ion Ratio Lower Upper
84 100
49 92.2 86.6 129.8
51 43.6 26.6 40.0#
86 69.7 50.6 75.8





#25

2-Butanone

Concen: 1.674 ug/l

RT: 4.713 min Scan# 1048

Delta R.T. 0.003 min

Lab File: VU049621.D

Acq: 05 Jul 2022 16:23

Instrument :

MSVOA_U

ClientSampleId :

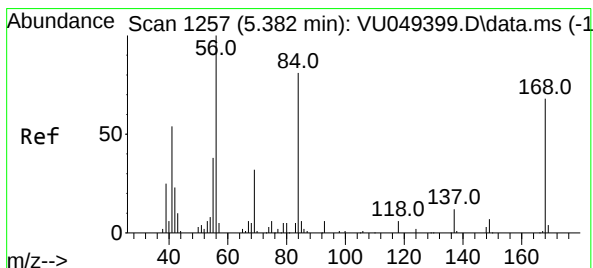
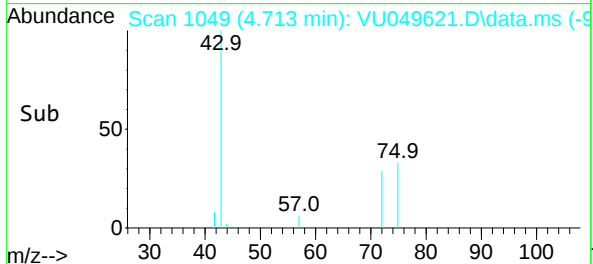
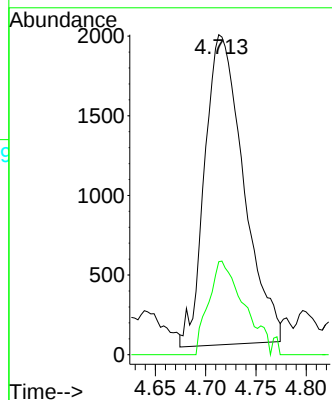
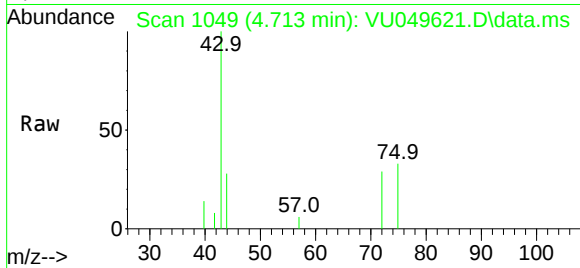
WC-16-2-5

Tgt Ion: 43 Resp: 5227

Ion Ratio Lower Upper

43 100

72 31.0 23.8 35.6



#31

Cyclohexane

Concen: 1.012 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.010 min

Lab File: VU049621.D

Acq: 05 Jul 2022 16:23

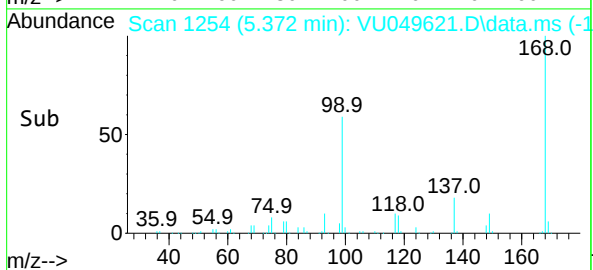
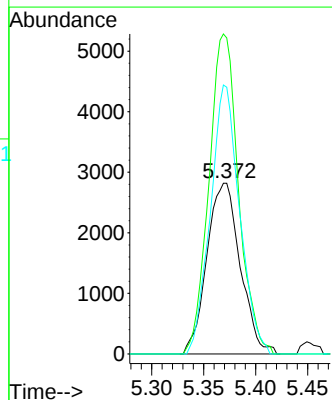
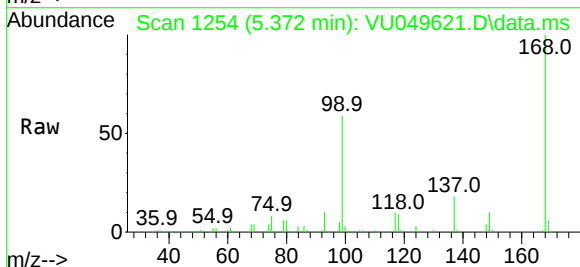
Tgt Ion: 56 Resp: 6279

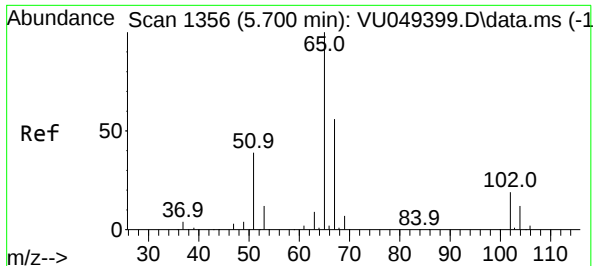
Ion Ratio Lower Upper

56 100

69 185.0 27.8 41.8#

84 156.1 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 43.697 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049621.D

Acq: 05 Jul 2022 16:23

Instrument :

MSVOA_U

ClientSampleId :

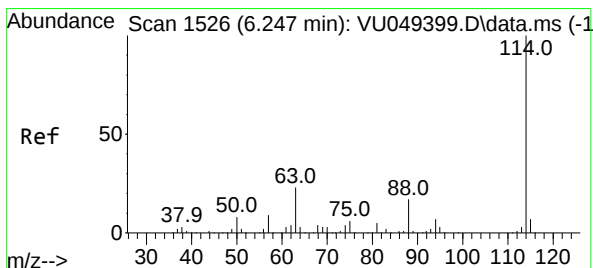
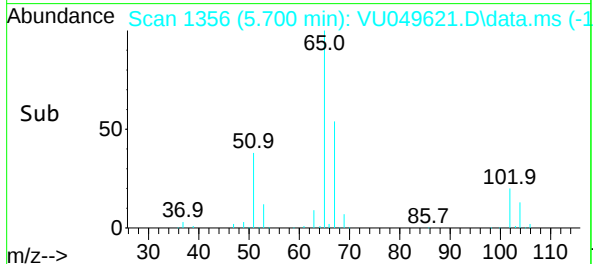
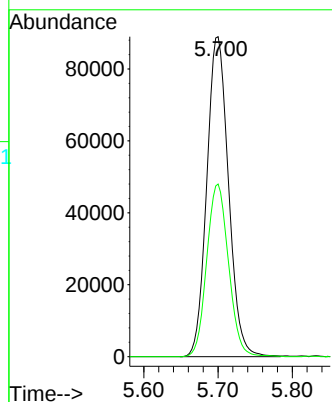
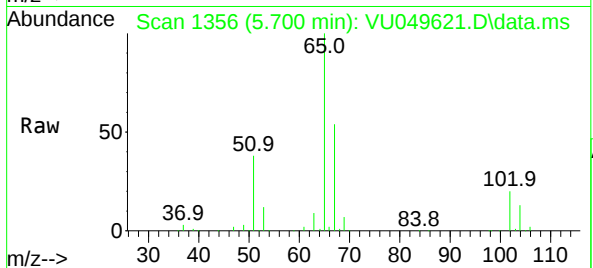
WC-16-2-5

Tgt Ion: 65 Resp: 180588

Ion Ratio Lower Upper

65 100

67 54.2 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: VU049621.D

Acq: 05 Jul 2022 16:23

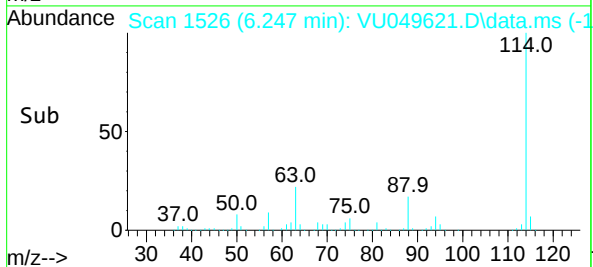
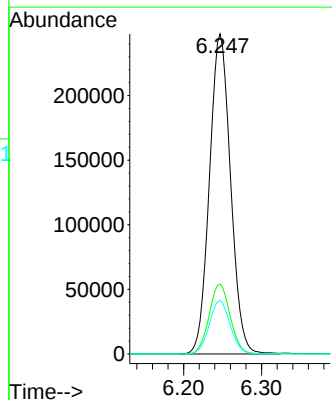
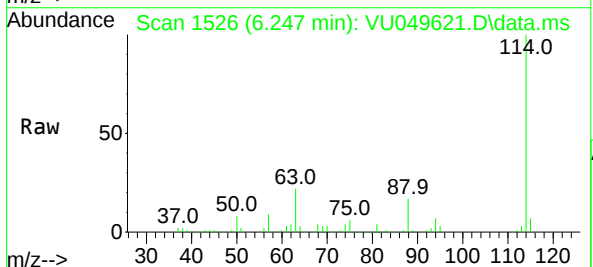
Tgt Ion: 114 Resp: 466431

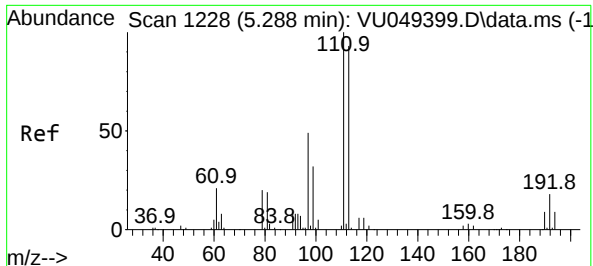
Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.8

88 16.7 0.0 29.2

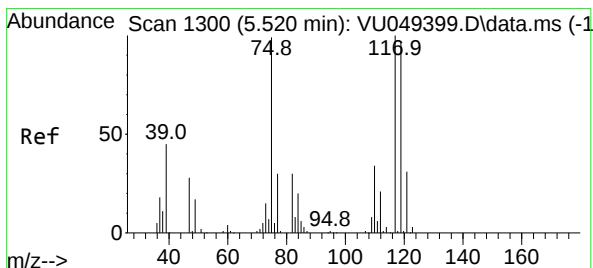
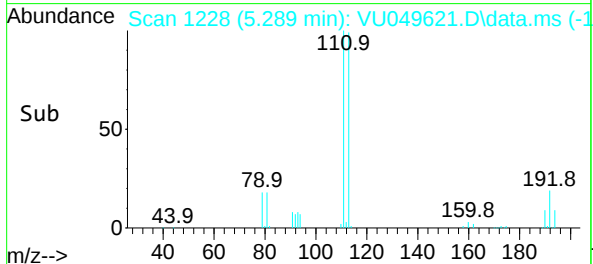
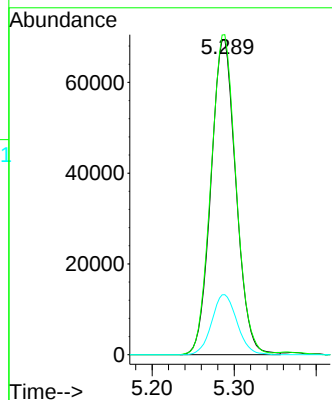
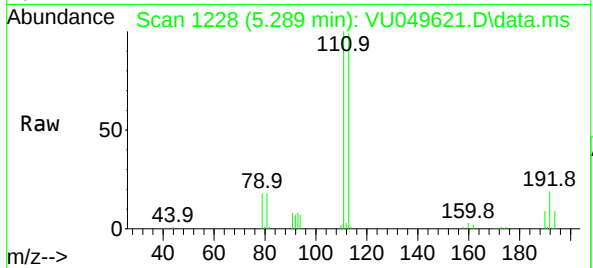




#35
Dibromofluoromethane
Concen: 44.979 ug/l
RT: 5.289 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

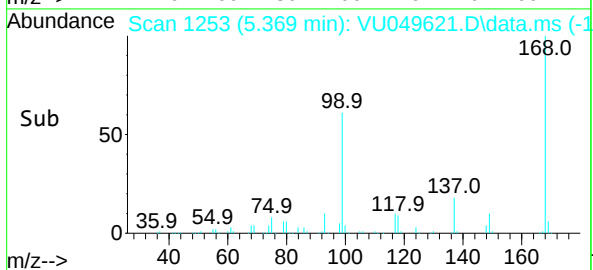
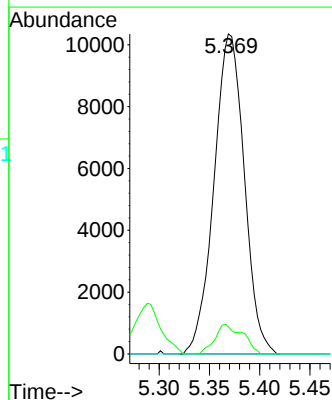
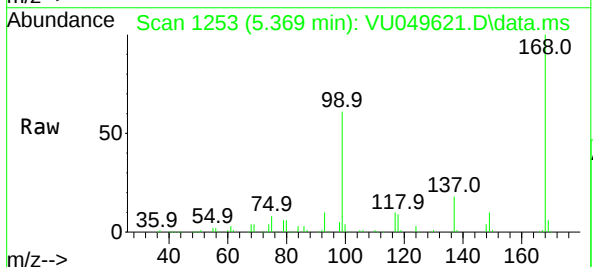
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5

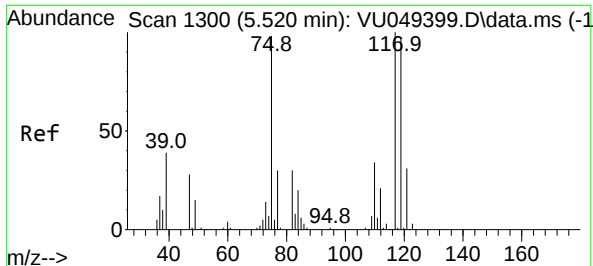
Tgt Ion:113 Resp: 146777
Ion Ratio Lower Upper
113 100
111 101.9 82.1 123.1
192 19.3 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.583 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.151 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

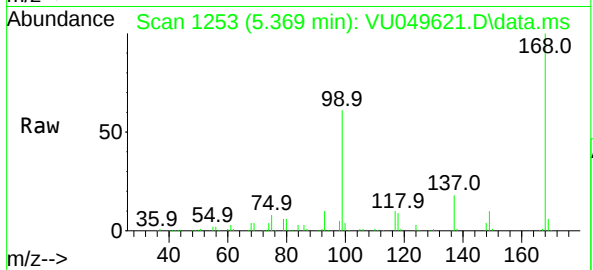
Tgt Ion: 75 Resp: 21683
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.0 25.1 37.7#



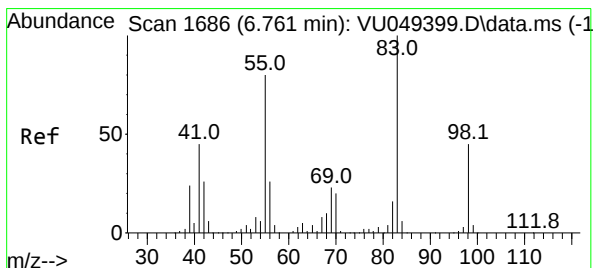
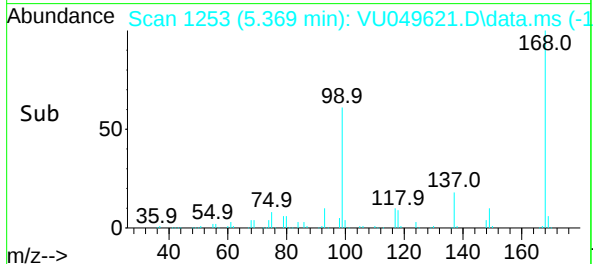
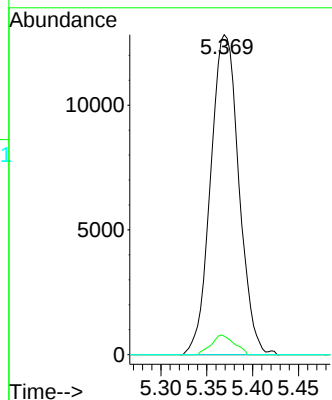


#38
Carbon Tetrachloride
Concen: 5.544 ug/l
RT: 5.369 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5

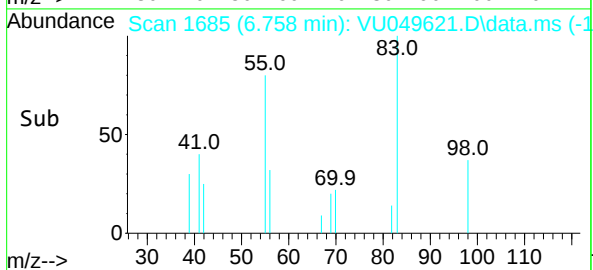
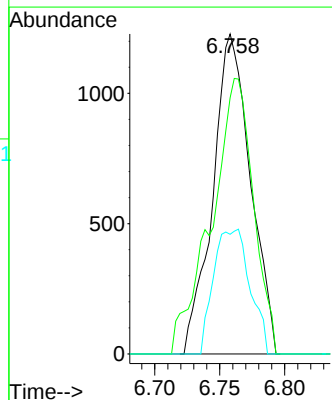
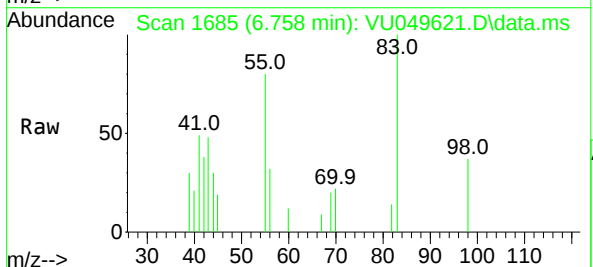


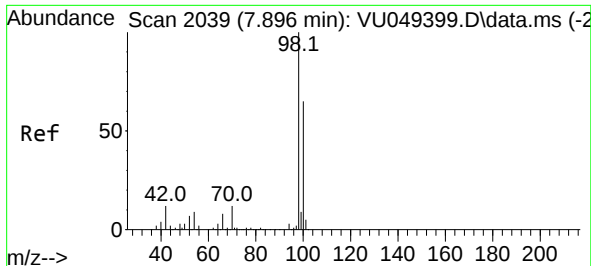
Tgt Ion:117 Resp: 27513
Ion Ratio Lower Upper
117 100
119 5.8 76.8 115.2#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 0.437 ug/l
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

Tgt Ion: 83 Resp: 2480
Ion Ratio Lower Upper
83 100
55 80.0 55.3 82.9
98 37.4 37.3 55.9

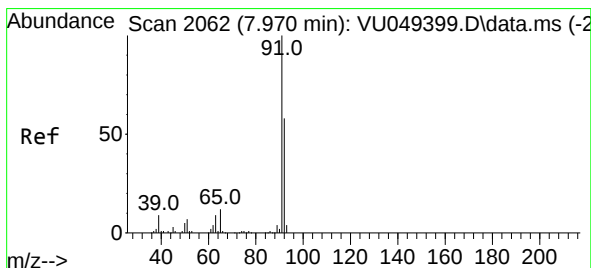
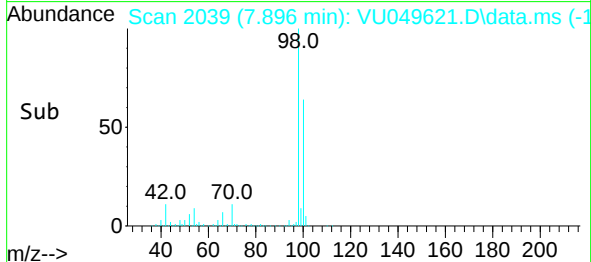
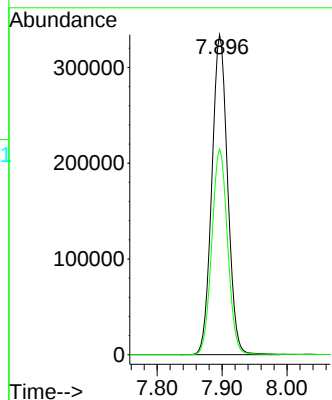
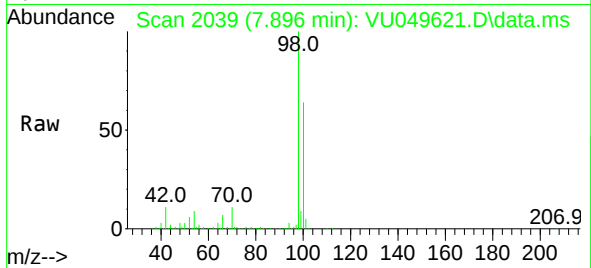




#50
Toluene-d8
Concen: 48.439 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

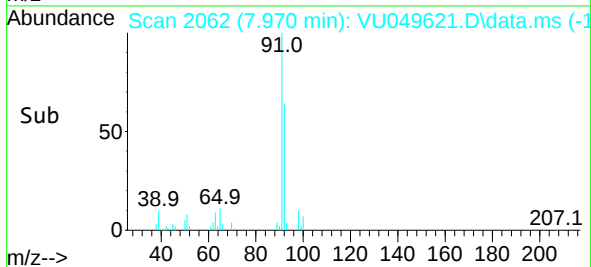
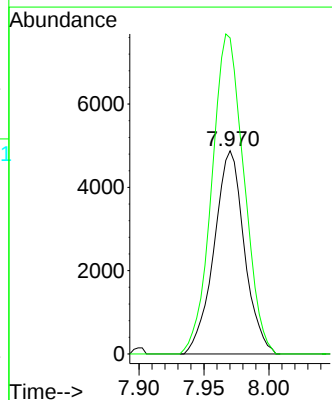
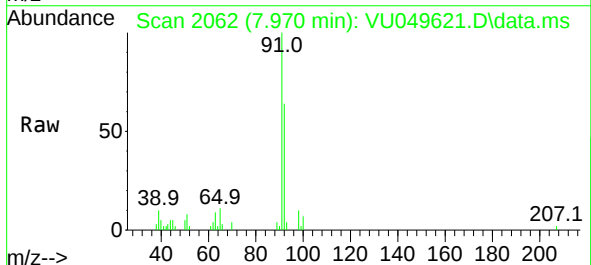
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5

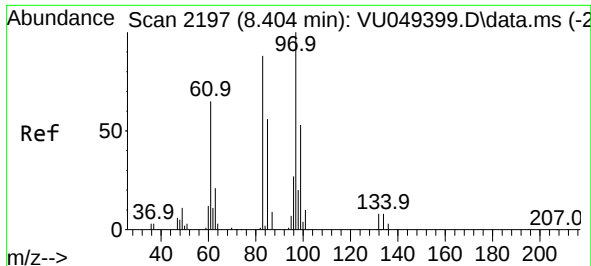
Tgt Ion: 98 Resp: 563788
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5



#52
Toluene
Concen: 0.933 ug/l
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

Tgt Ion: 92 Resp: 7918
Ion Ratio Lower Upper
92 100
91 166.5 138.2 207.4

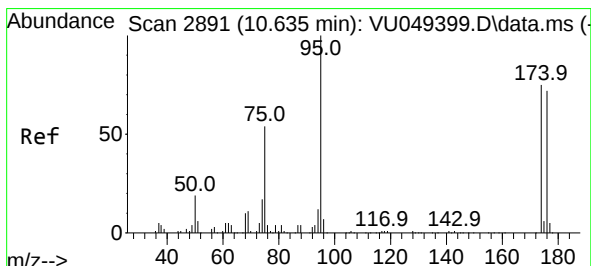
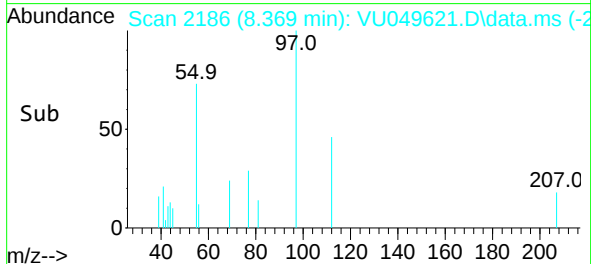
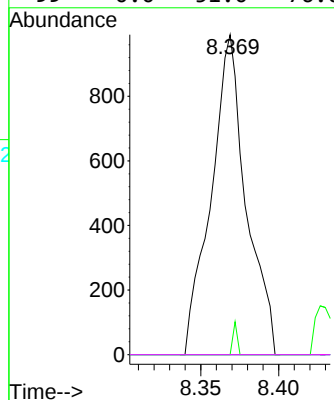
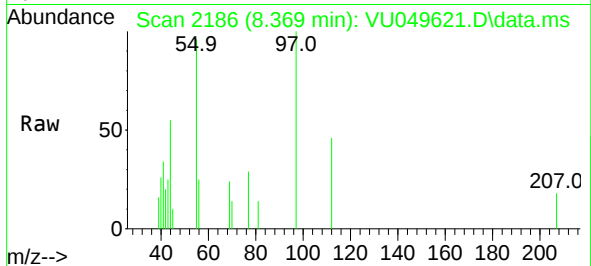




#55
1,1,2-Trichloroethane
Concen: 0.441 ug/l
RT: 8.369 min Scan# 2197
Delta R.T. -0.035 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

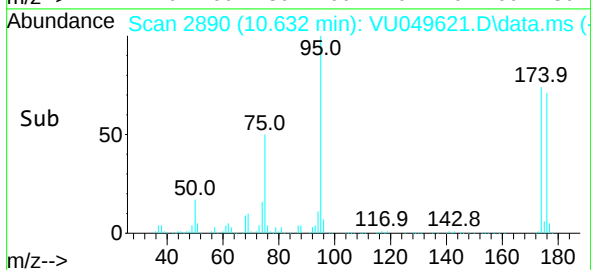
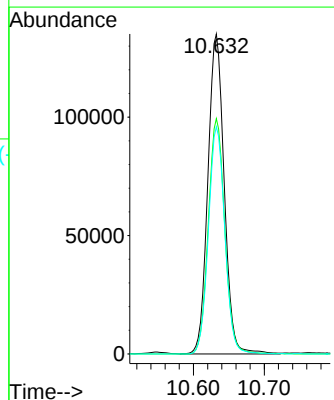
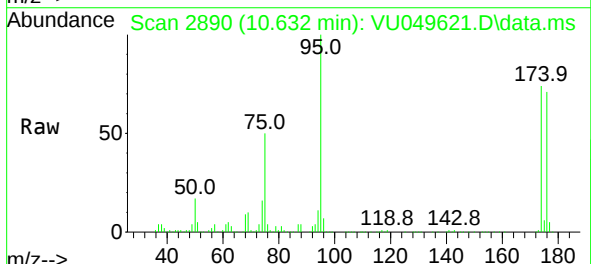
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5

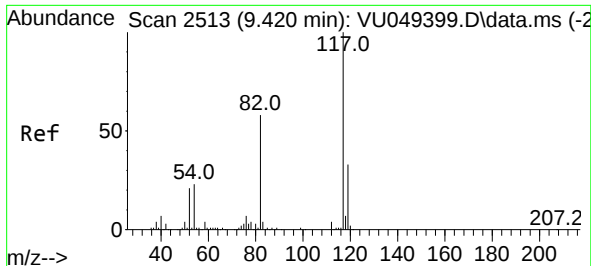
Tgt Ion: 97	Resp: 1547
Ion Ratio	Lower Upper
97 100	
83 0.0	70.2 105.4#
85 0.0	44.6 66.8#
99 0.0	51.0 76.6#



#62
4-Bromofluorobenzene
Concen: 48.579 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

Tgt Ion: 95	Resp: 216596
Ion Ratio	Lower Upper
95 100	
174 74.2	0.0 182.0
176 70.9	0.0 177.8

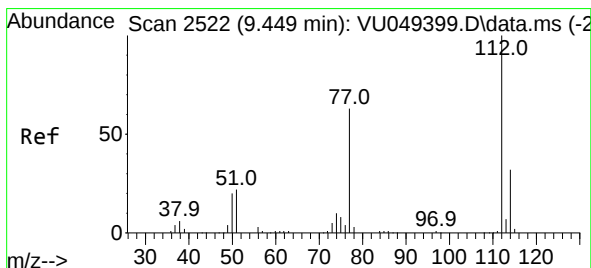
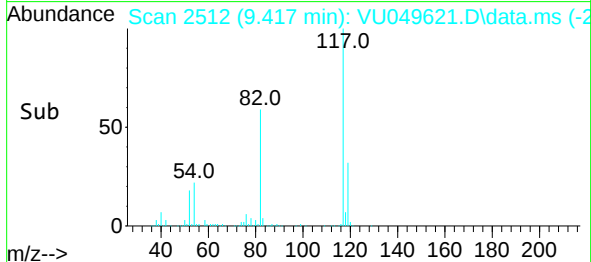
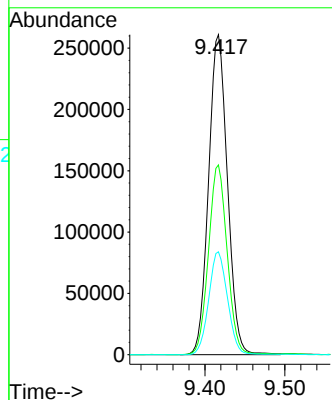
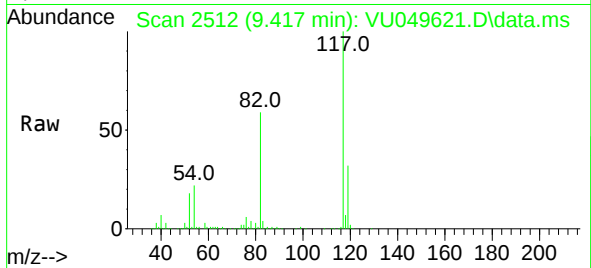




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

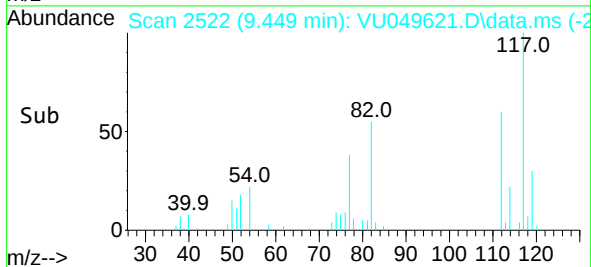
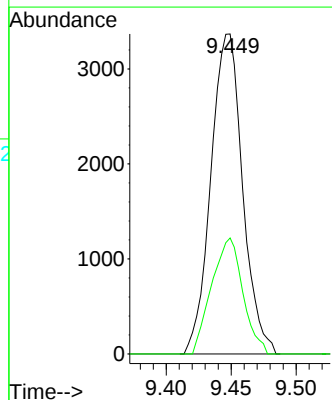
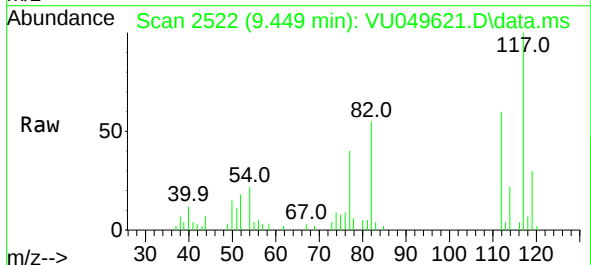
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5

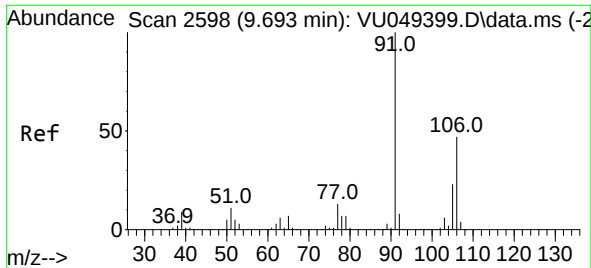
Tgt Ion:117 Resp: 427813
Ion Ratio Lower Upper
117 100
82 59.3 41.7 62.5
119 32.2 25.7 38.5



#65
Chlorobenzene
Concen: 0.654 ug/l
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

Tgt Ion:112 Resp: 5720
Ion Ratio Lower Upper
112 100
114 36.3 24.9 37.3

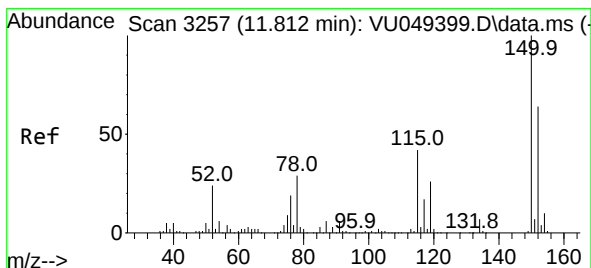
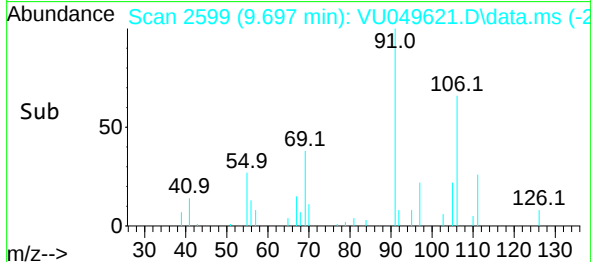
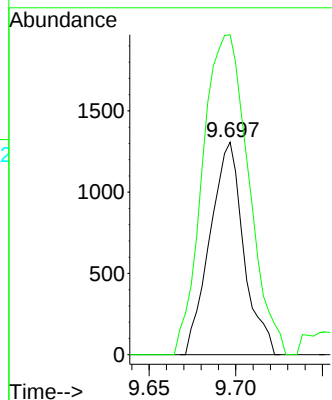
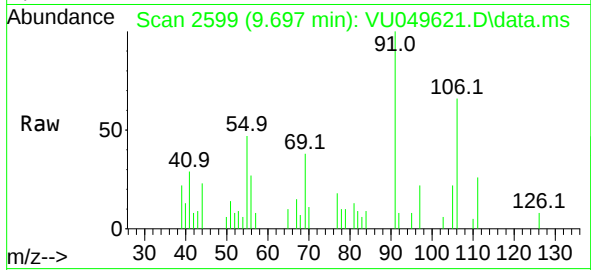




#68
m/p-Xylenes
Concen: 0.297 ug/l
RT: 9.697 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

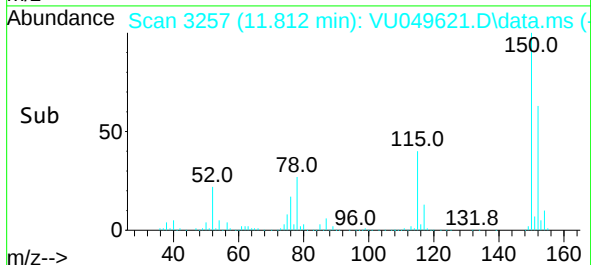
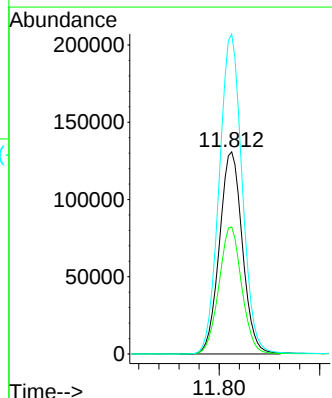
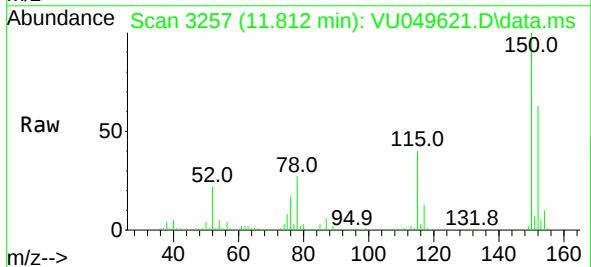
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5

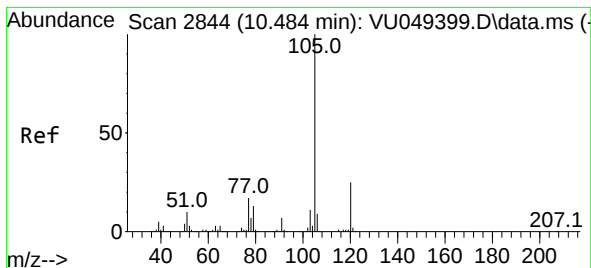
Tgt Ion:106 Resp: 1767
Ion Ratio Lower Upper
106 100
91 205.0 157.2 235.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

Tgt Ion:152 Resp: 207708
Ion Ratio Lower Upper
152 100
115 62.6 37.0 110.9
150 157.7 0.0 342.2





#73

Isopropylbenzene

Concen: 0.223 ug/l

RT: 10.488 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU049621.D

Acq: 05 Jul 2022 16:23

Instrument :

MSVOA_U

ClientSampleId :

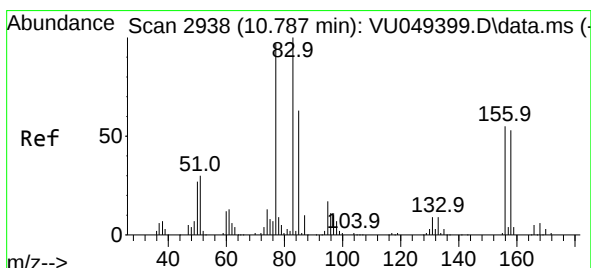
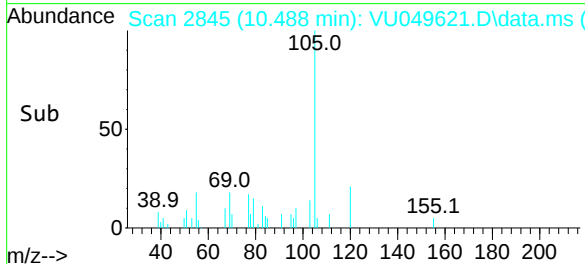
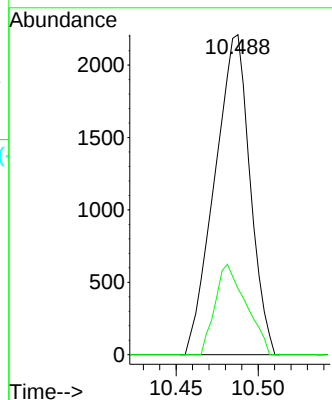
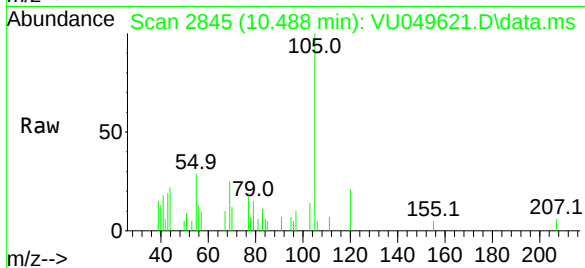
WC-16-2-5

Tgt Ion:105 Resp: 3305

Ion Ratio Lower Upper

105 100

120 24.8 13.8 41.4



#75

1,1,2,2-Tetrachloroethane

Concen: 0.493 ug/l

RT: 10.809 min Scan# 2945

Delta R.T. 0.023 min

Lab File: VU049621.D

Acq: 05 Jul 2022 16:23

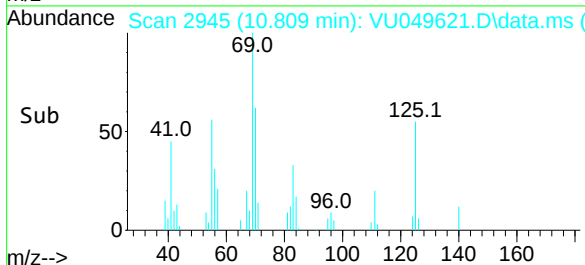
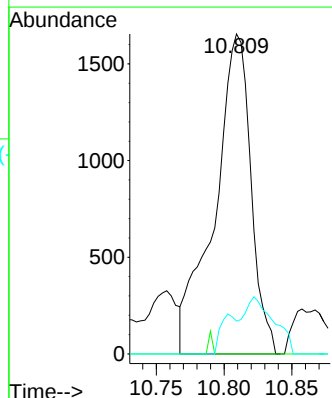
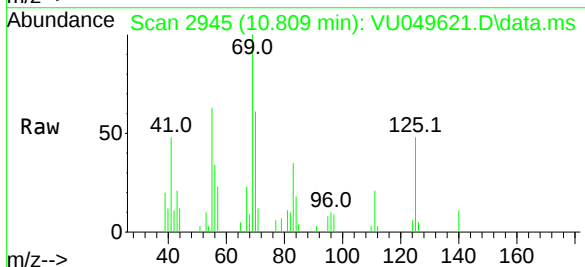
Tgt Ion: 83 Resp: 3088

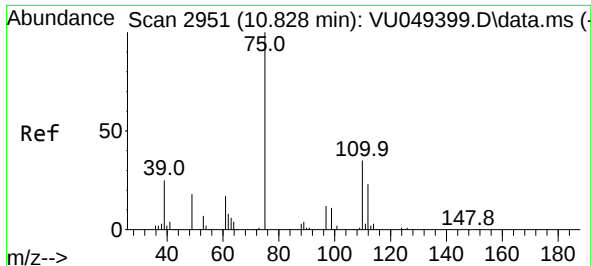
Ion Ratio Lower Upper

83 100

131 0.7 5.1 15.4#

85 5.4 32.2 96.6#

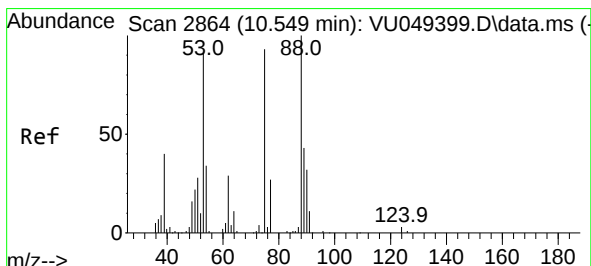
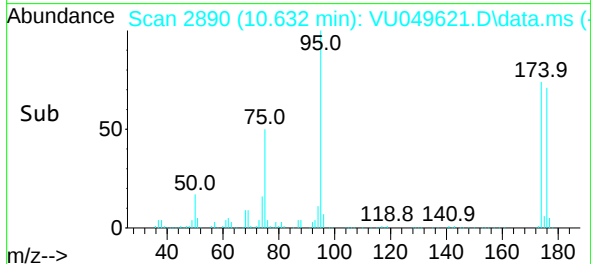
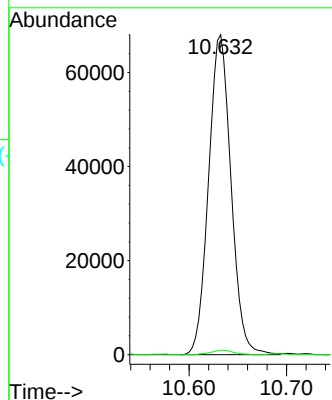
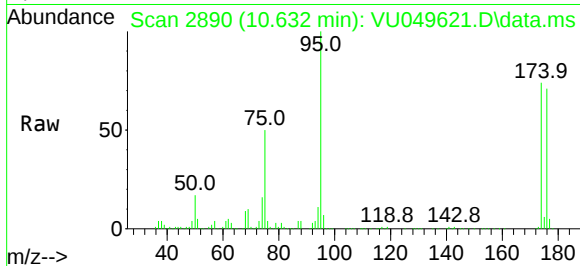




#76
1,2,3-Trichloropropane
Concen: 15.452 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

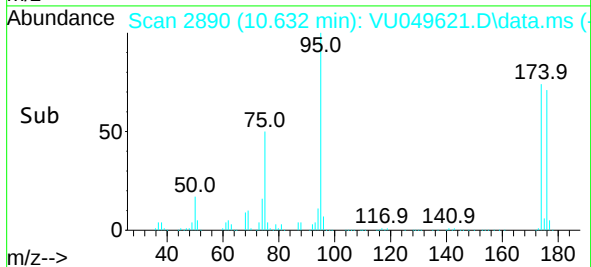
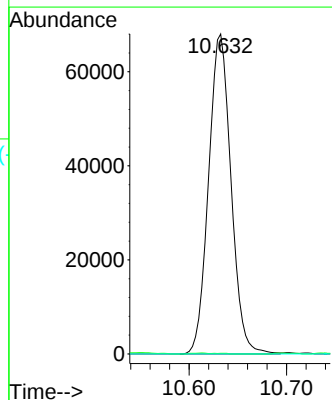
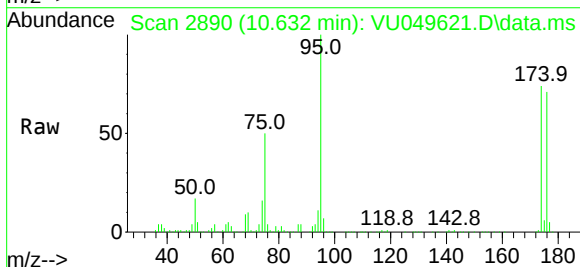
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5

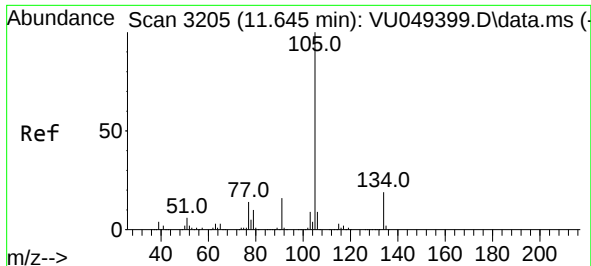
Tgt Ion: 75 Resp: 108800
Ion Ratio Lower Upper
75 100
77 1.4 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.063 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049621.D
Acq: 05 Jul 2022 16:23

Tgt Ion: 75 Resp: 108800
Ion Ratio Lower Upper
75 100
53 0.2 69.2 103.8#
89 0.0 37.0 55.6#

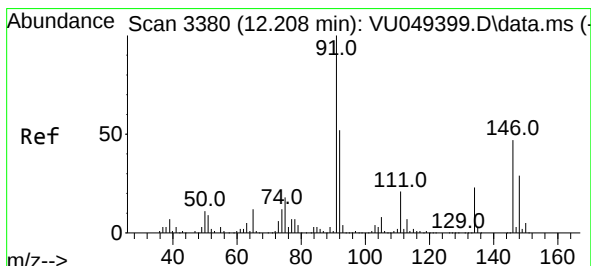
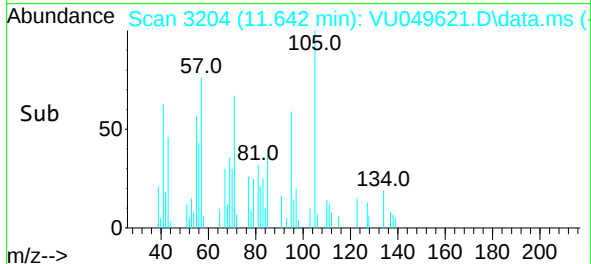
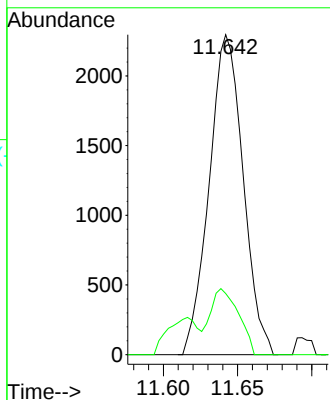
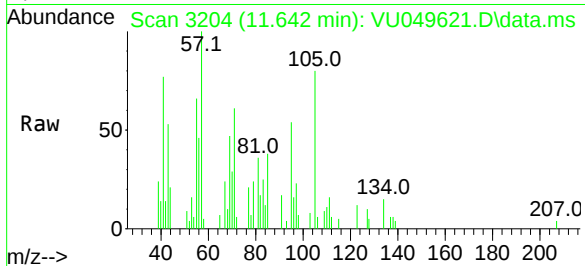




#85
 sec-Butylbenzene
 Concen: 0.228 ug/l
 RT: 11.642 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU049621.D
 Acq: 05 Jul 2022 16:23

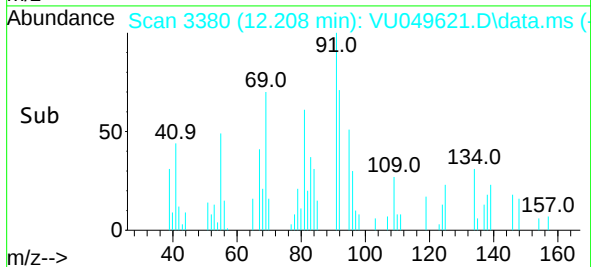
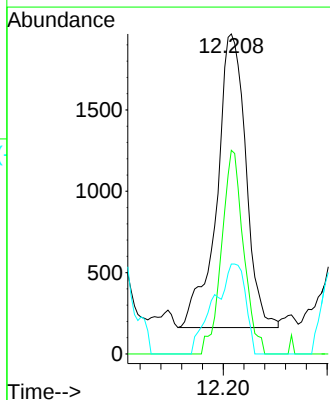
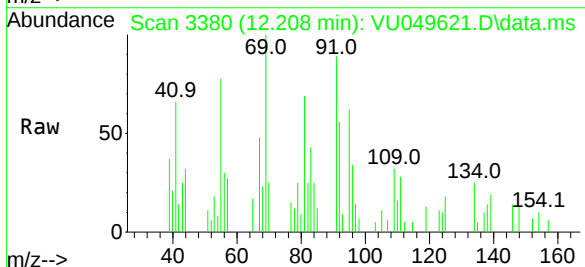
Instrument :
 MSVOA_U
 ClientSampleId :
 WC-16-2-5

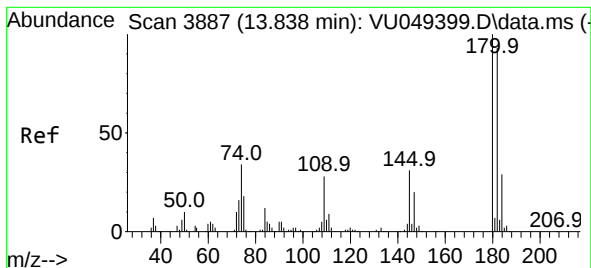
Tgt Ion:105 Resp: 3647
 Ion Ratio Lower Upper
 105 100
 134 17.1 10.4 31.1



#89
 n-Butylbenzene
 Concen: 0.293 ug/l
 RT: 12.208 min Scan# 3380
 Delta R.T. 0.000 min
 Lab File: VU049621.D
 Acq: 05 Jul 2022 16:23

Tgt Ion: 91 Resp: 3503
 Ion Ratio Lower Upper
 91 100
 92 52.3 26.2 78.6
 134 33.4 13.5 40.4





#93

1,2,4-Trichlorobenzene

Concen: 1.778 ug/l

RT: 13.838 min Scan# 3887

Delta R.T. 0.000 min

Lab File: VU049621.D

Acq: 05 Jul 2022 16:23

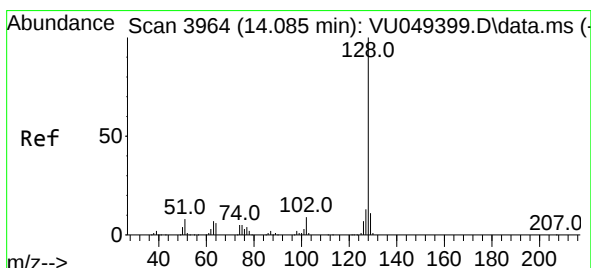
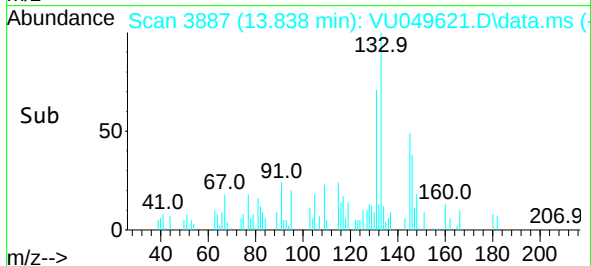
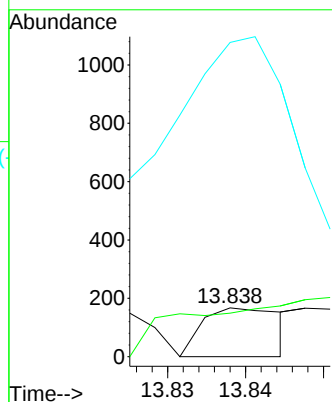
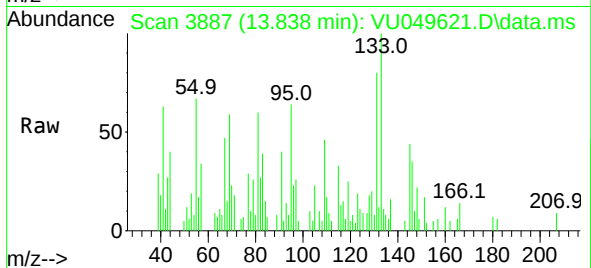
Instrument :

MSVOA_U

ClientSampleId :

WC-16-2-5

Tgt Ion:180	Resp:	118
Ion Ratio	Lower	Upper
180	100	
182	389.8	47.9 143.6#
145	1530.5	14.0 41.9#



#95

Naphthalene

Concen: 2.088 ug/l

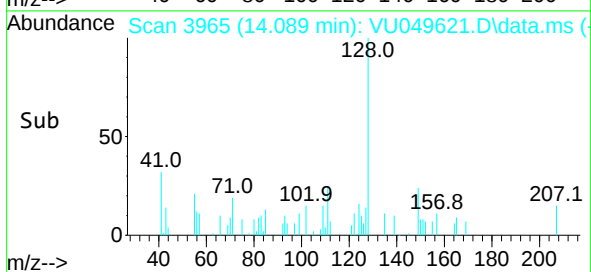
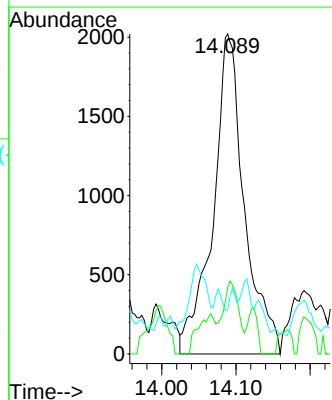
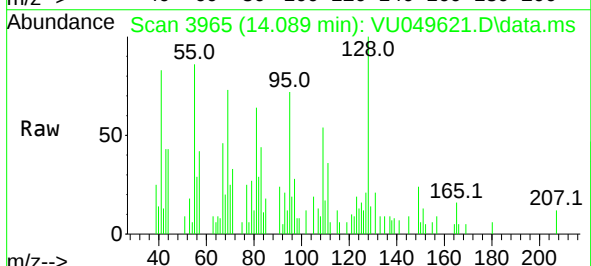
RT: 14.089 min Scan# 3965

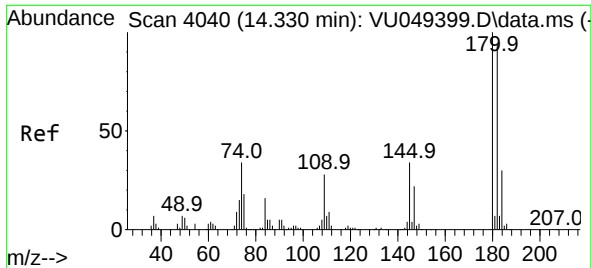
Delta R.T. 0.003 min

Lab File: VU049621.D

Acq: 05 Jul 2022 16:23

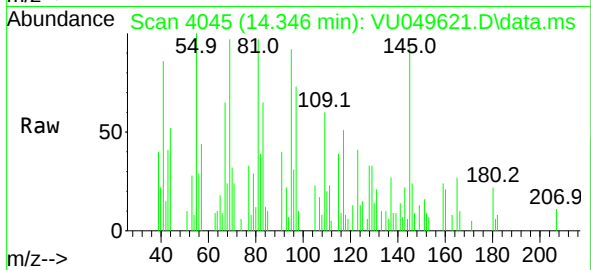
Tgt Ion:128	Resp:	5925
Ion Ratio	Lower	Upper
128	100	
127	11.1	10.3 15.5
129	1.3	8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.267 ug/l
 RT: 14.346 min Scan# 4040
 Delta R.T. 0.016 min
 Lab File: VU049621.D
 Acq: 05 Jul 2022 16:23

Instrument :
 MSVOA_U
 ClientSampleId :
 WC-16-2-5



Tgt Ion:180 Resp: 443
 Ion Ratio Lower Upper
 180 100
 182 37.0 48.4 145.0#
 145 662.8 14.8 44.4#

