

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070122\
 Data File : VU049596.D
 Acq On : 01 Jul 2022 20:54
 Operator : SY/MD
 Sample : N3564-19
 Misc : 2.83g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Jul 04 06:51:01 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)

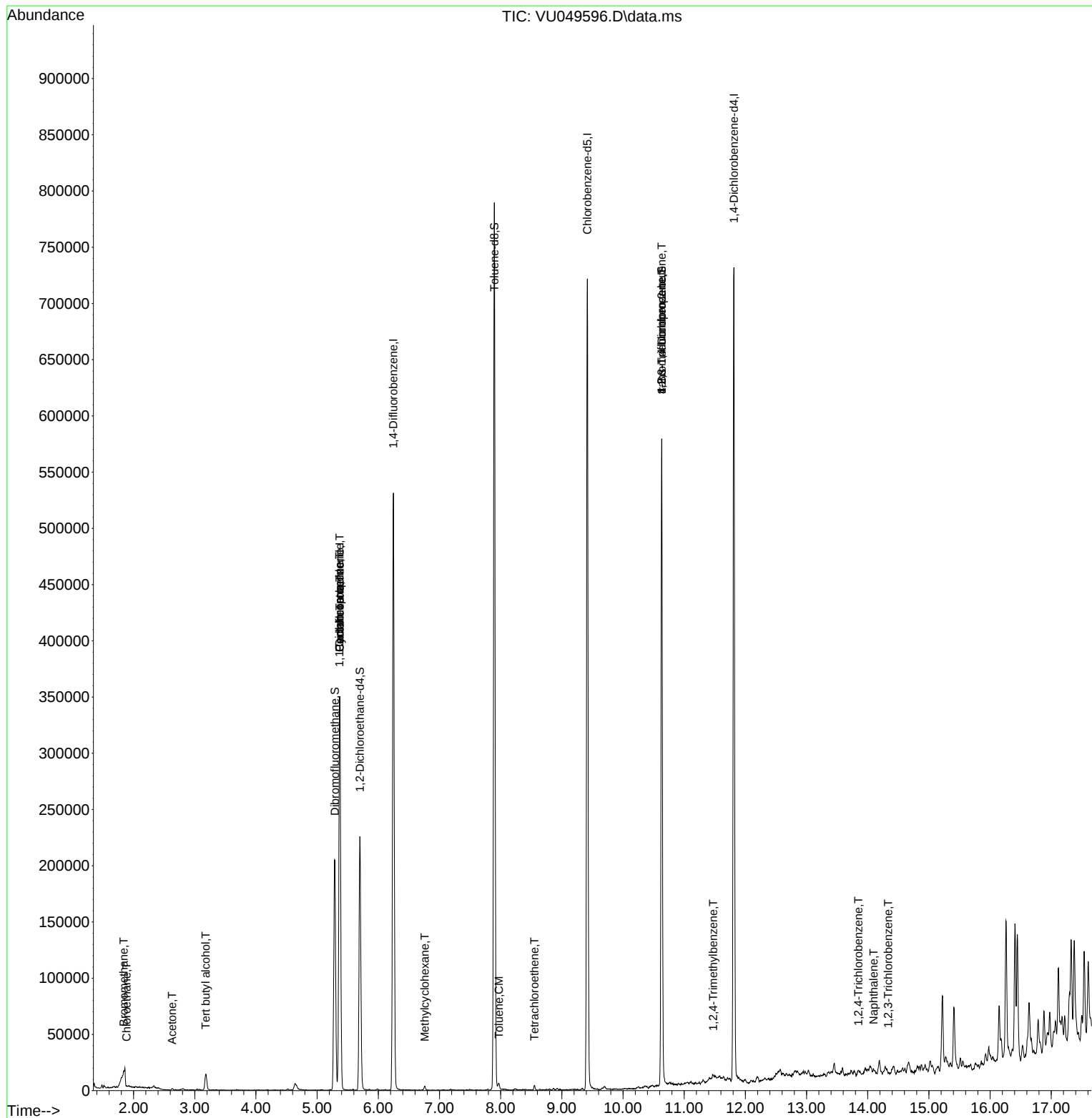
Internal Standards						
1) Pentafluorobenzene	5.369	168	236419	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	418336	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	389526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	185321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	166152	45.634	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.260%		
35) Dibromofluoromethane	5.289	113	132757	45.359	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.720%		
50) Toluene-d8	7.896	98	512727	49.116	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.240%		
62) 4-Bromofluorobenzene	10.632	95	190388	47.611	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.220%		
Target Compounds						
						Qvalue
3) Chloromethane	1.517	50	1812	Below Cal		96
5) Bromomethane	1.839	94	449	0.378 ug/l	#	56
6) Chloroethane	1.887	64	22	1.927 ug/l	#	44
11) Tert butyl alcohol	3.179	59	9200	10.795 ug/l	#	38
16) Acetone	2.630	43	1230	0.670 ug/l		90
20) Methylene Chloride	3.044	84	282	Below Cal	#	60
31) Cyclohexane	5.369	56	6161	1.127 ug/l	#	8
36) 1,1-Dichloropropene	5.366	75	20130	4.743 ug/l	#	47
38) Carbon Tetrachloride	5.369	117	23798	5.347 ug/l	#	16
39) Methylcyclohexane	6.758	83	1523	0.299 ug/l	#	79
52) Toluene	7.970	92	2124	0.279 ug/l		97
64) Tetrachloroethene	8.552	164	862	0.345 ug/l	#	77
76) 1,2,3-Trichloropropane	10.632	75	98758	15.720 ug/l	#	44
81) trans-1,4-Dichloro-2-b...	10.632	75	98758	58.053 ug/l	#	15
84) 1,2,4-Trimethylbenzene	11.475	105	2307	0.204 ug/l		76
93) 1,2,4-Trichlorobenzene	13.848	180	81	1.773 ug/l	#	3
95) Naphthalene	14.095	128	991	1.802 ug/l	#	67
96) 1,2,3-Trichlorobenzene	14.336	180	44	1.187 ug/l	#	1

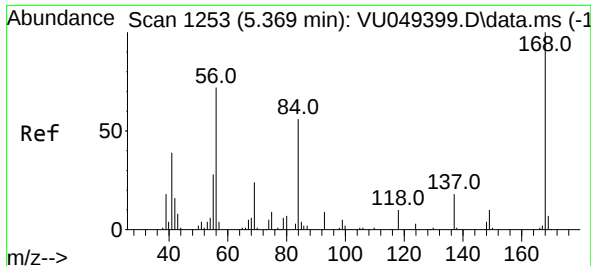
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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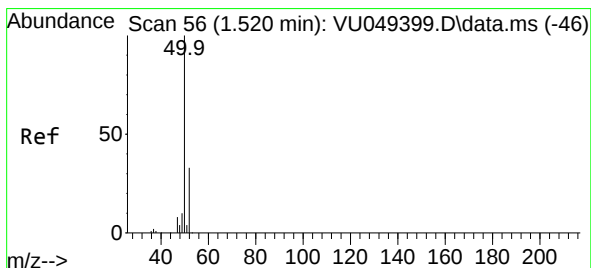
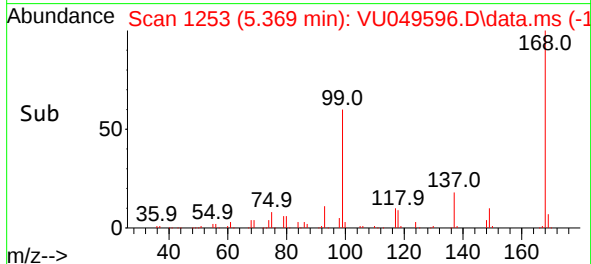
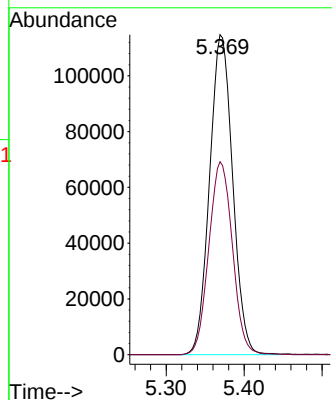
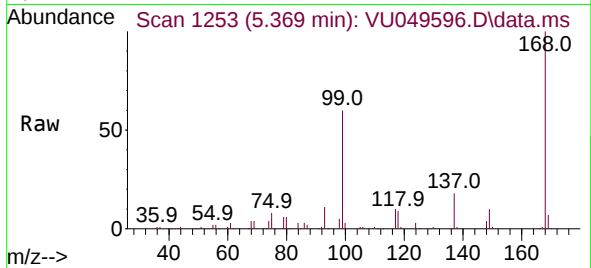




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU049596.D
Acq: 01 Jul 2022 20:54

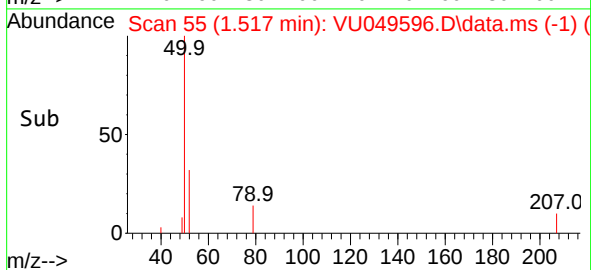
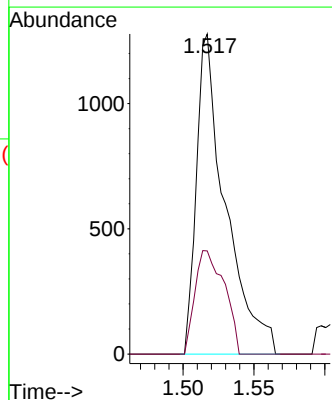
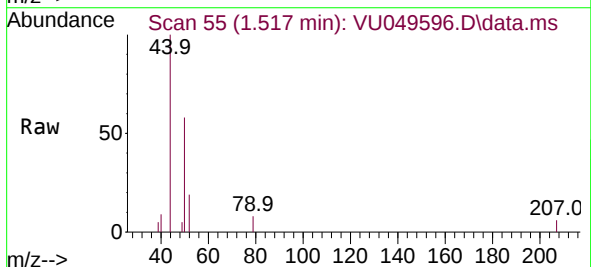
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-6-GR

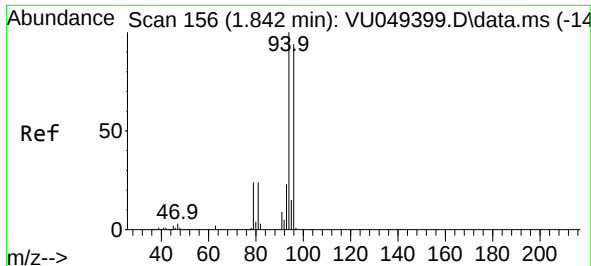
Tgt Ion:168 Resp: 236419
Ion Ratio Lower Upper
168 100
99 60.3 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU049596.D
Acq: 01 Jul 2022 20:54

Tgt Ion: 50 Resp: 1812
Ion Ratio Lower Upper
50 100
52 32.2 27.4 41.2

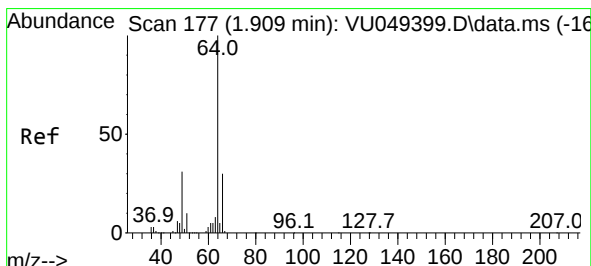
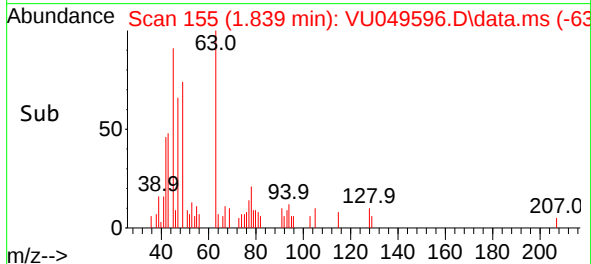
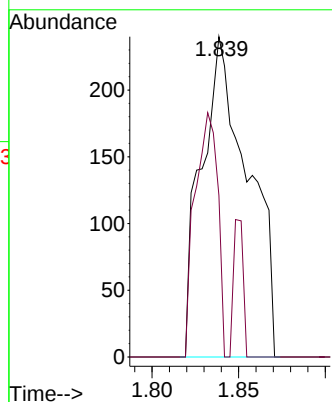
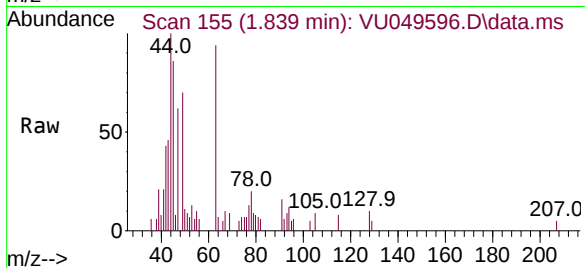




#5
Bromomethane
Concen: 0.378 ug/l
RT: 1.839 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049596.D
Acq: 01 Jul 2022 20:54

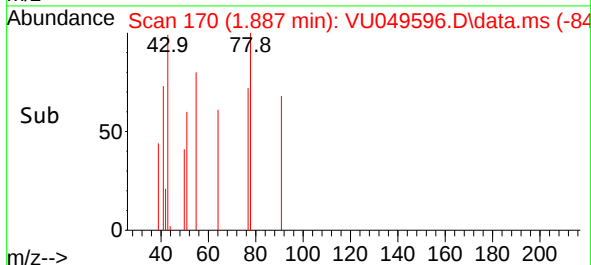
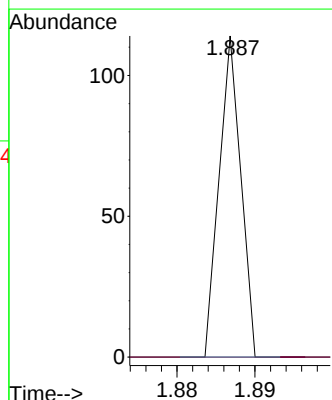
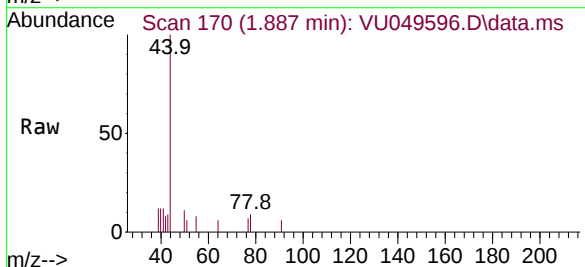
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-6-GR

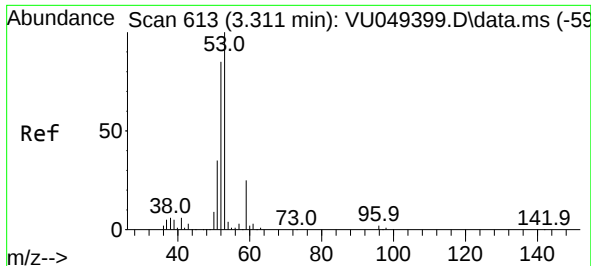
Tgt Ion: 94 Resp: 449
Ion Ratio Lower Upper
94 100
96 50.4 73.7 110.5#



#6
Chloroethane
Concen: 1.927 ug/l
RT: 1.887 min Scan# 170
Delta R.T. -0.022 min
Lab File: VU049596.D
Acq: 01 Jul 2022 20:54

Tgt Ion: 64 Resp: 22
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#





#11

Tert butyl alcohol

Concen: 10.795 ug/l

RT: 3.179 min Scan# 51

Delta R.T. -0.132 min

Lab File: VU049596.D

Acq: 01 Jul 2022 20:54

Instrument :

MSVOA_U

ClientSampleId :

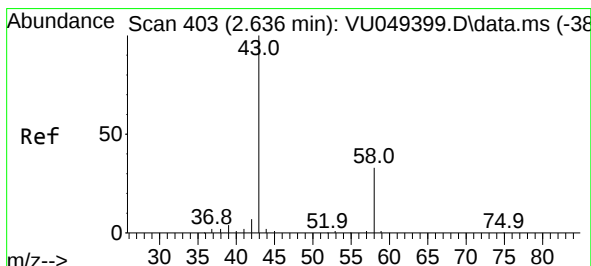
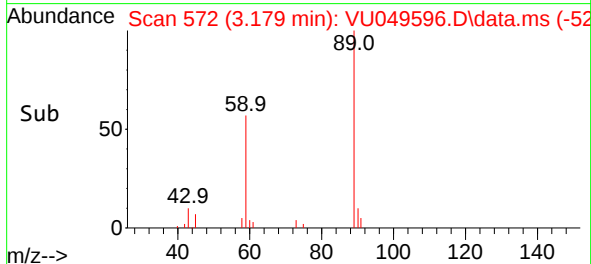
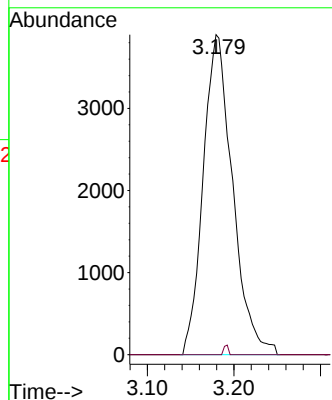
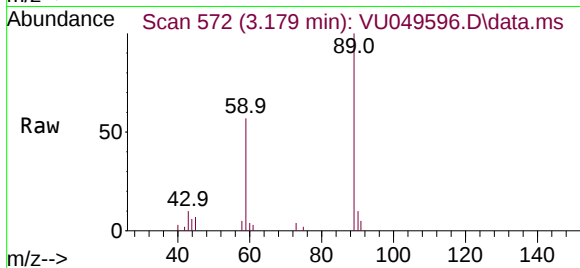
WC-16-2-6-GR

Tgt Ion: 59 Resp: 9200

Ion Ratio Lower Upper

59 100

57 0.5 30.6 45.8#



#16

Acetone

Concen: 0.670 ug/l

RT: 2.630 min Scan# 401

Delta R.T. -0.006 min

Lab File: VU049596.D

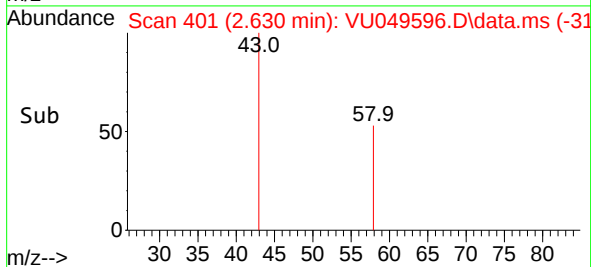
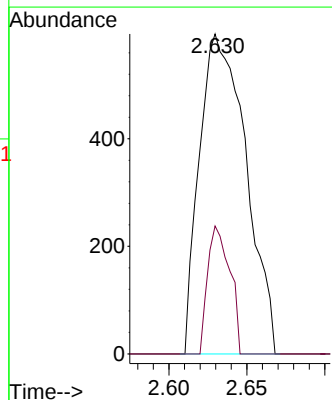
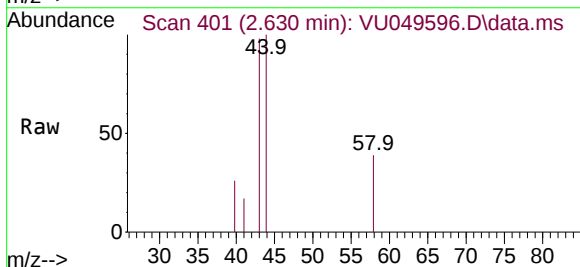
Acq: 01 Jul 2022 20:54

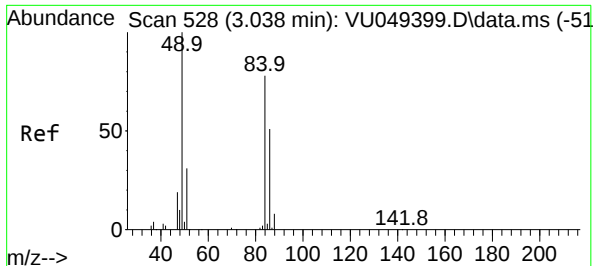
Tgt Ion: 43 Resp: 1230

Ion Ratio Lower Upper

43 100

58 40.0 27.5 41.3

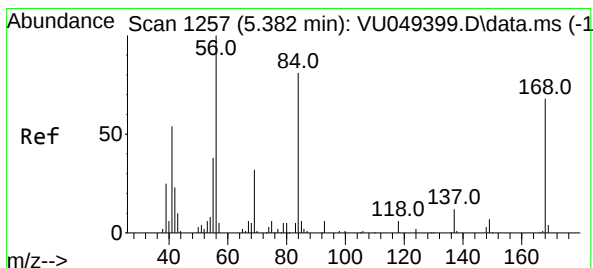
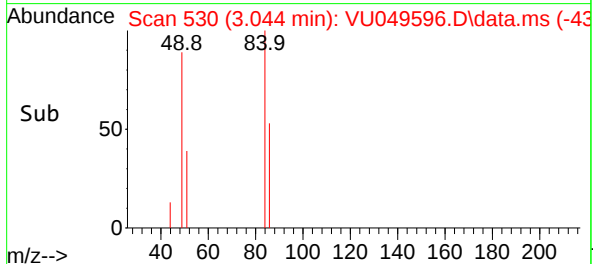
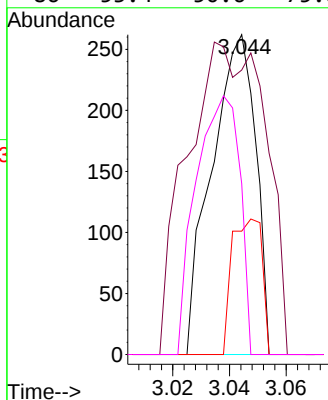
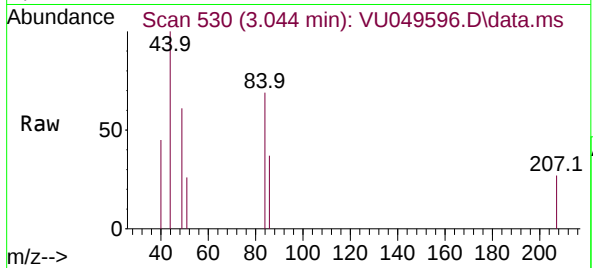




#20
Methylene Chloride
Concen: Below Cal
RT: 3.044 min Scan# 51
Delta R.T. 0.007 min
Lab File: VU049596.D
Acq: 01 Jul 2022 20:54

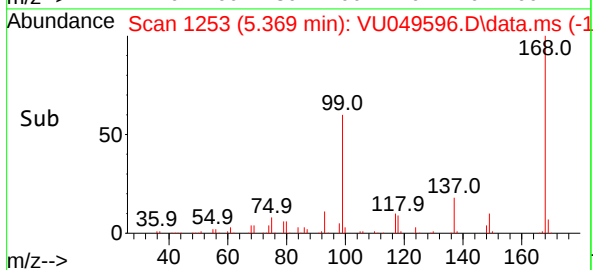
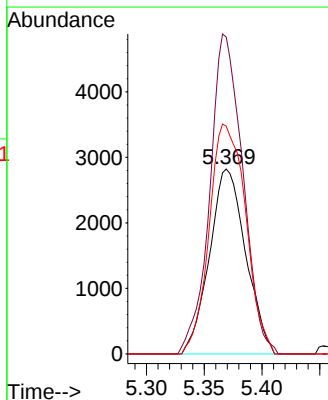
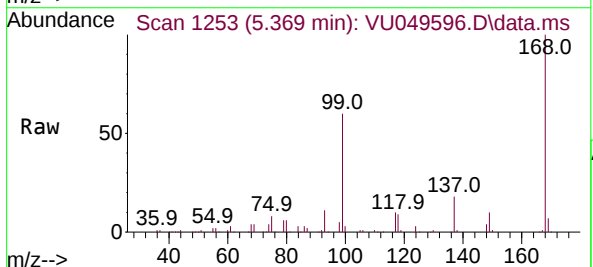
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-6-GR

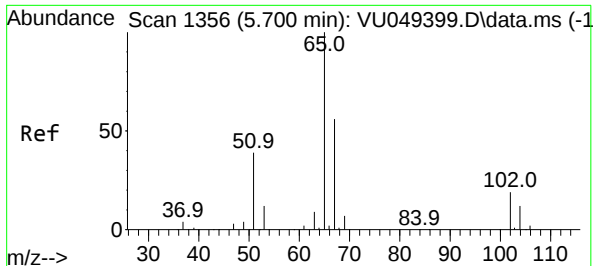
Tgt Ion:	84	Resp:	282
Ion	Ratio	Lower	Upper
84	100		
49	38.9	86.6	129.8#
51	38.5	26.6	40.0
86	53.4	50.6	75.8



#31
Cyclohexane
Concen: 1.127 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.013 min
Lab File: VU049596.D
Acq: 01 Jul 2022 20:54

Tgt Ion:	56	Resp:	6161
Ion	Ratio	Lower	Upper
56	100		
69	171.4	27.8	41.8#
84	129.3	74.2	111.4#





#33

1,2-Dichloroethane-d4

Concen: 45.634 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049596.D

Acq: 01 Jul 2022 20:54

Instrument :

MSVOA_U

ClientSampleId :

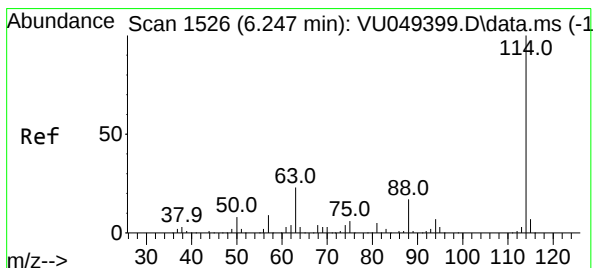
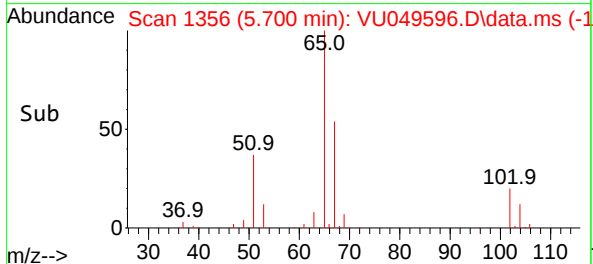
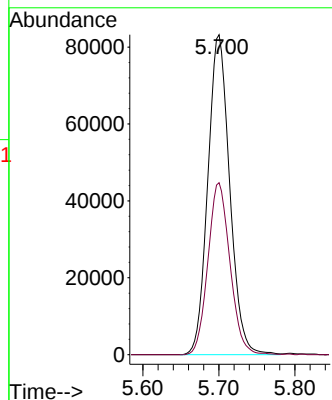
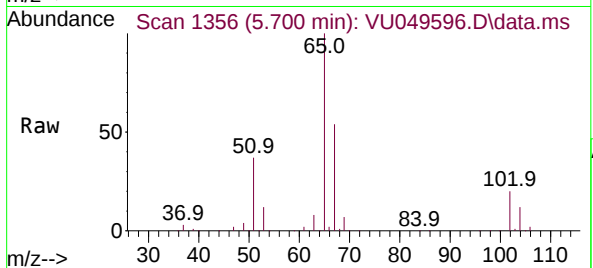
WC-16-2-6-GR

Tgt Ion: 65 Resp: 166152

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: VU049596.D

Acq: 01 Jul 2022 20:54

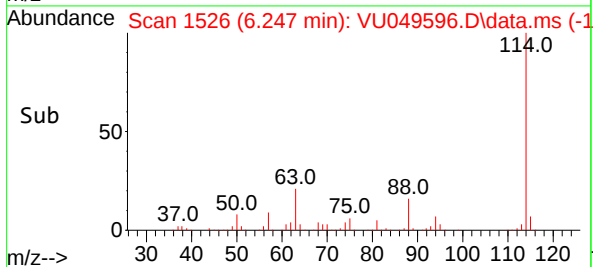
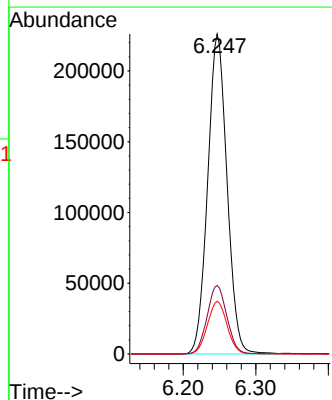
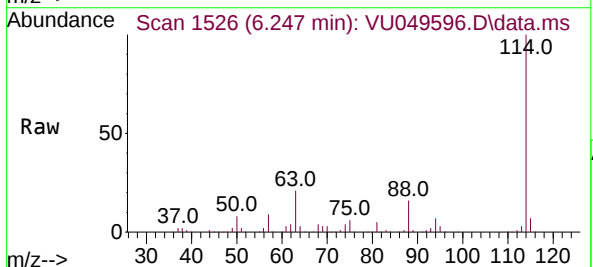
Tgt Ion: 114 Resp: 418336

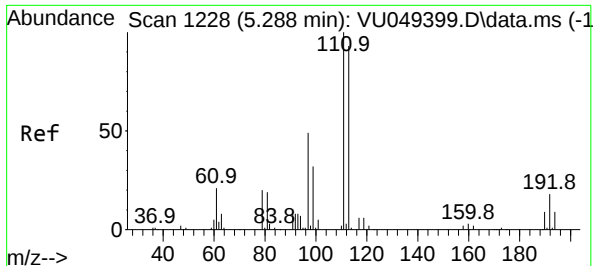
Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.8

88 16.4 0.0 29.2





#35

Dibromofluoromethane

Concen: 45.359 ug/l

RT: 5.289 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049596.D

Acq: 01 Jul 2022 20:54

Instrument :

MSVOA_U

ClientSampleId :

WC-16-2-6-GR

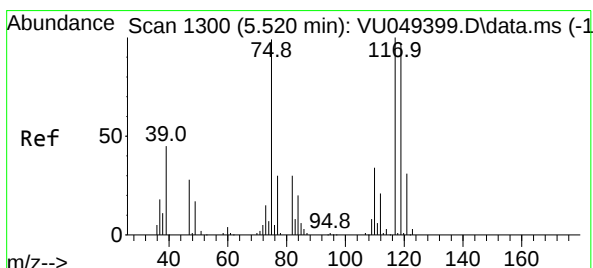
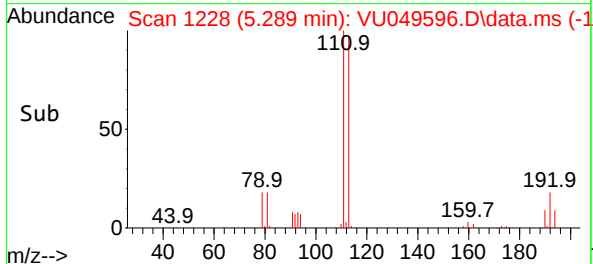
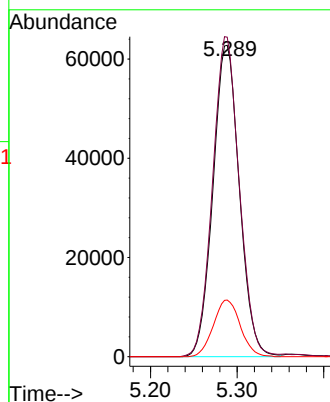
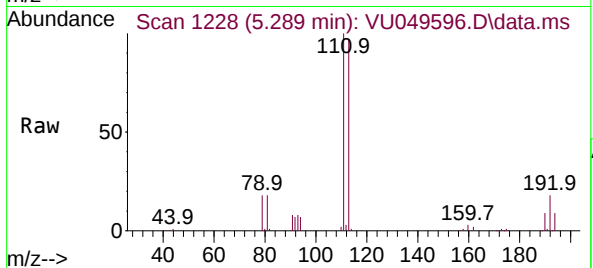
Tgt Ion:113 Resp: 132757

Ion Ratio Lower Upper

113 100

111 103.7 82.1 123.1

192 18.6 18.0 27.0



#36

1,1-Dichloropropene

Concen: 4.743 ug/l

RT: 5.366 min Scan# 1252

Delta R.T. -0.154 min

Lab File: VU049596.D

Acq: 01 Jul 2022 20:54

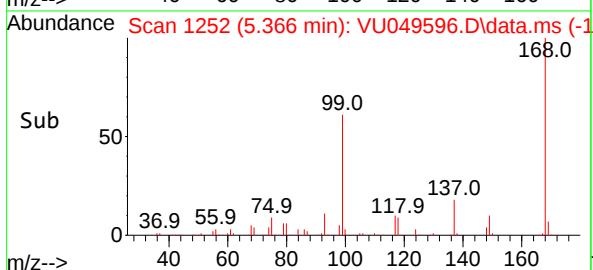
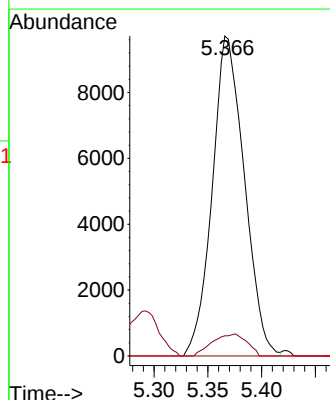
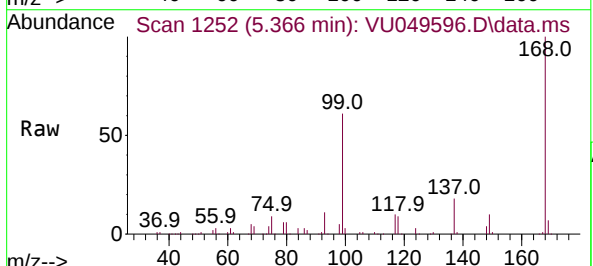
Tgt Ion: 75 Resp: 20130

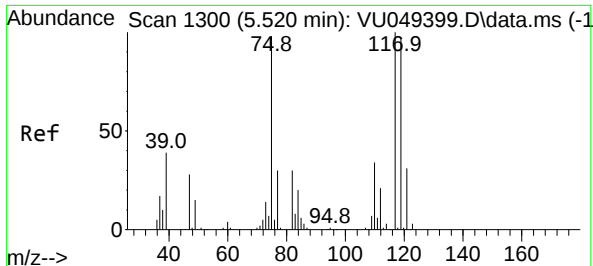
Ion Ratio Lower Upper

75 100

110 7.4 18.4 55.2#

77 0.0 25.1 37.7#

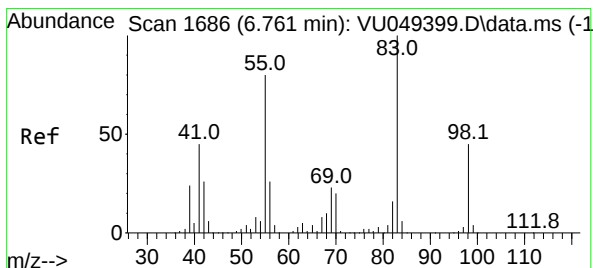
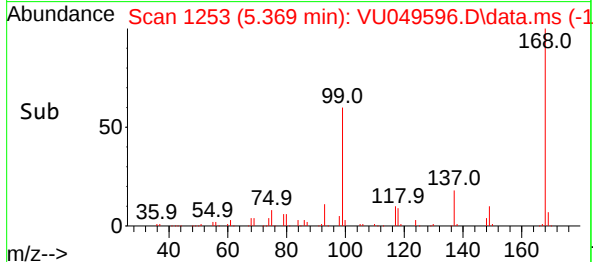
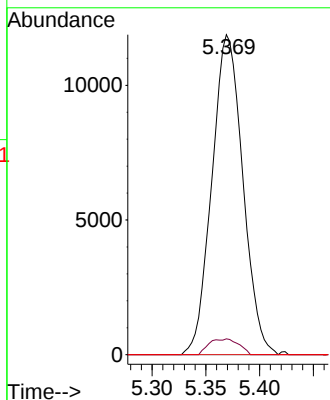
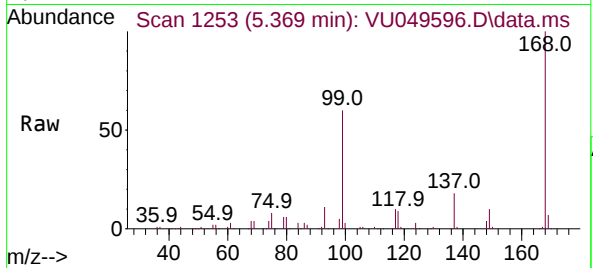




#38
Carbon Tetrachloride
Concen: 5.347 ug/l
RT: 5.369 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU049596.D
Acq: 01 Jul 2022 20:54

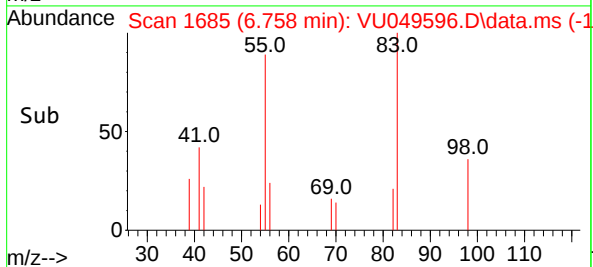
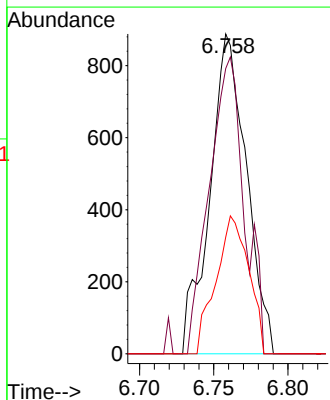
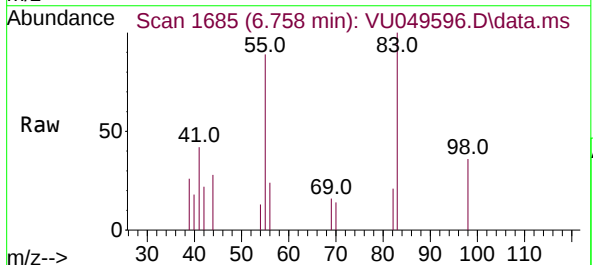
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-6-GR

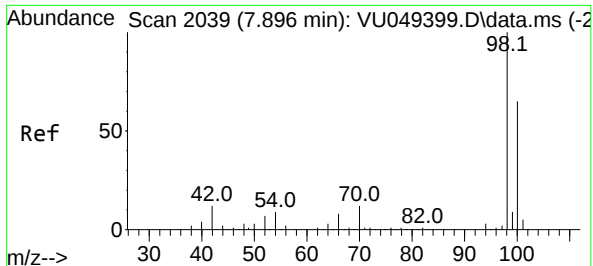
Tgt Ion:117 Resp: 23798
Ion Ratio Lower Upper
117 100
119 5.0 76.8 115.2#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 0.299 ug/l
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU049596.D
Acq: 01 Jul 2022 20:54

Tgt Ion: 83 Resp: 1523
Ion Ratio Lower Upper
83 100
55 89.2 55.3 82.9#
98 36.5 37.3 55.9#

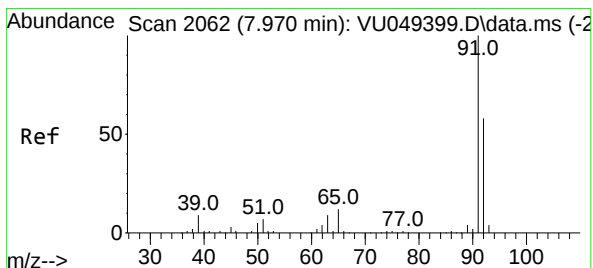
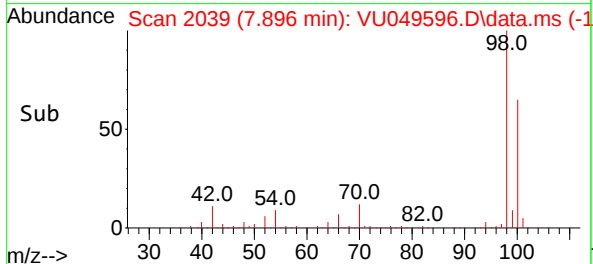
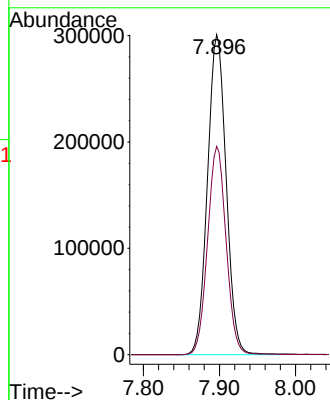
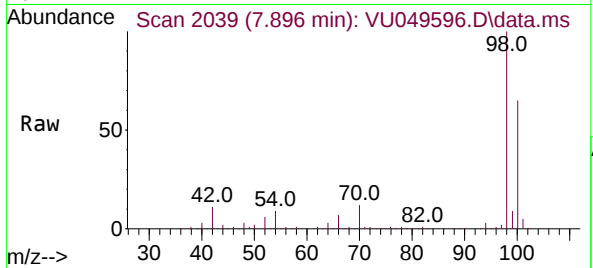




#50
Toluene-d8
Concen: 49.116 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049596.D
Acq: 01 Jul 2022 20:54

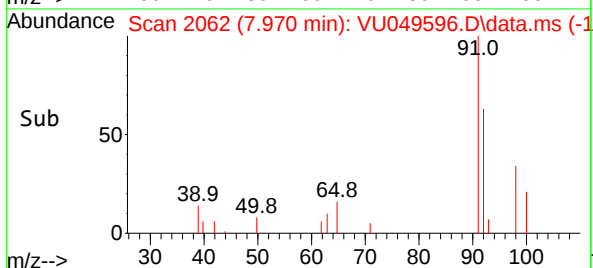
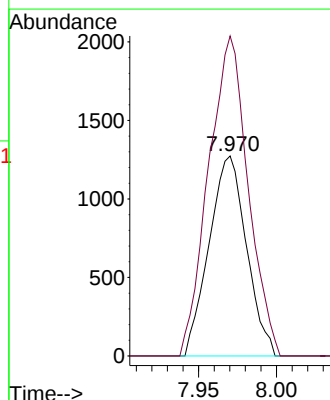
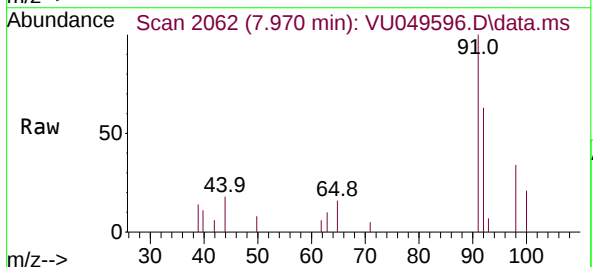
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-6-GR

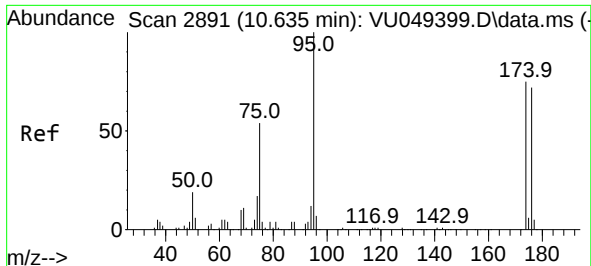
Tgt Ion: 98 Resp: 512727
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



#52
Toluene
Concen: 0.279 ug/l
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU049596.D
Acq: 01 Jul 2022 20:54

Tgt Ion: 92 Resp: 2124
Ion Ratio Lower Upper
92 100
91 169.3 138.2 207.4

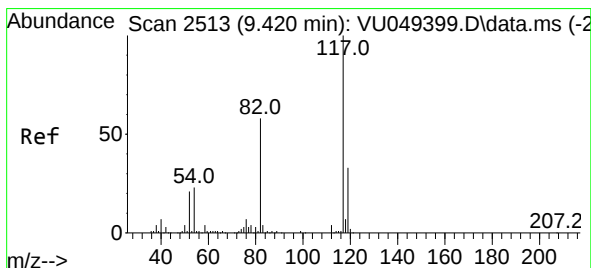
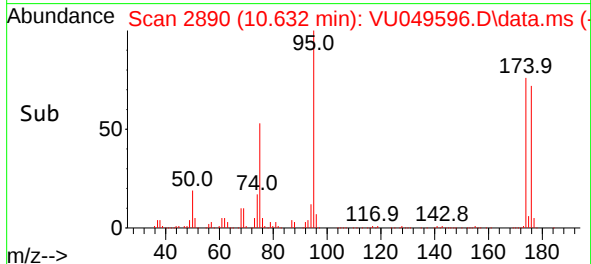
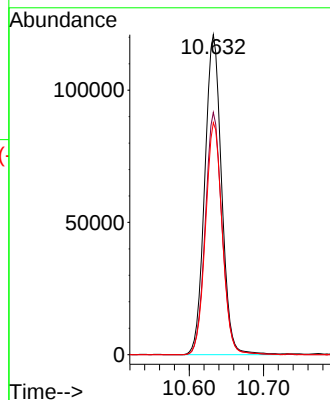
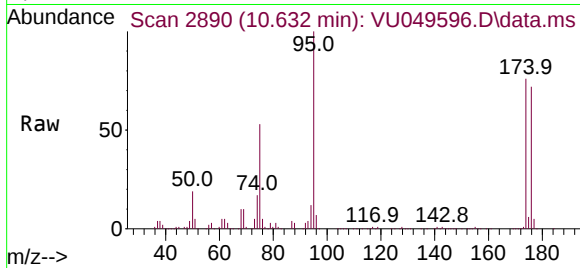




#62
4-Bromofluorobenzene
Concen: 47.611 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049596.D
Acq: 01 Jul 2022 20:54

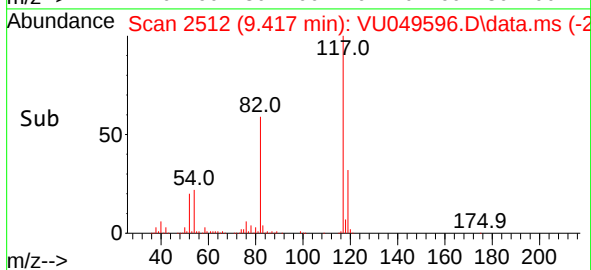
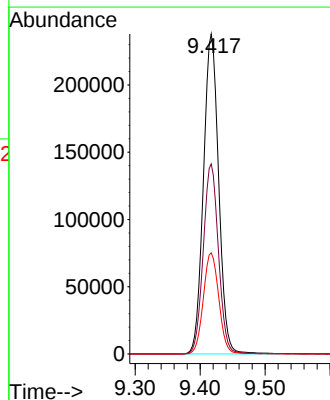
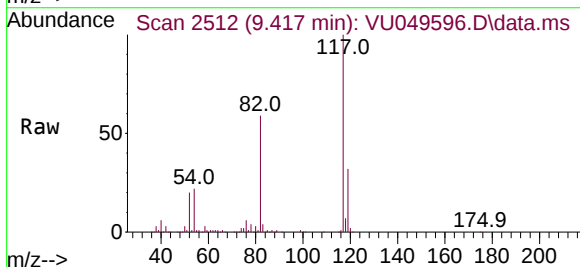
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-6-GR

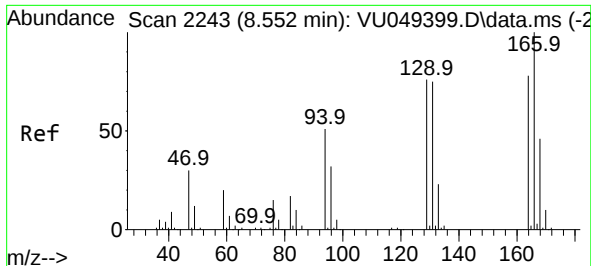
Tgt Ion:	95	Resp:	190388
Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	182.0
176	72.1	0.0	177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049596.D
Acq: 01 Jul 2022 20:54

Tgt Ion:	117	Resp:	389526
Ion	Ratio	Lower	Upper
117	100		
82	59.4	41.7	62.5
119	31.6	25.7	38.5

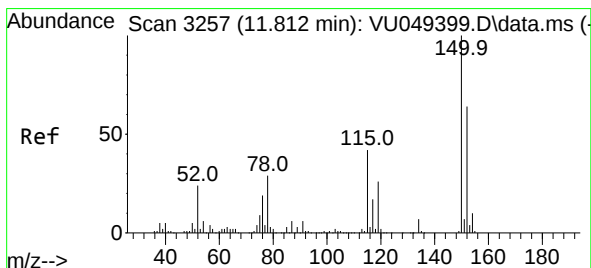
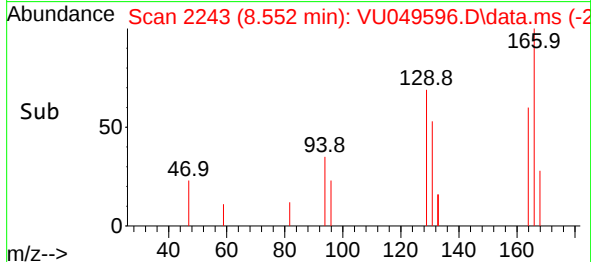
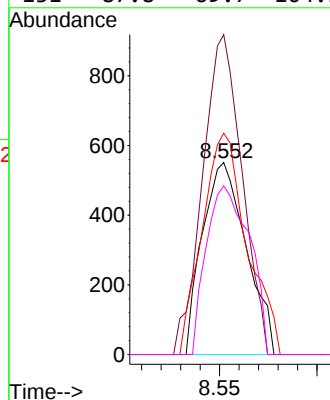
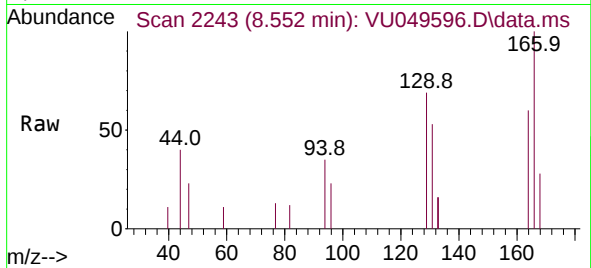




#64
Tetrachloroethene
Concen: 0.345 ug/l
RT: 8.552 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049596.D
Acq: 01 Jul 2022 20:54

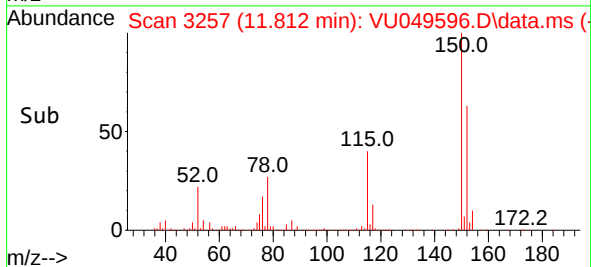
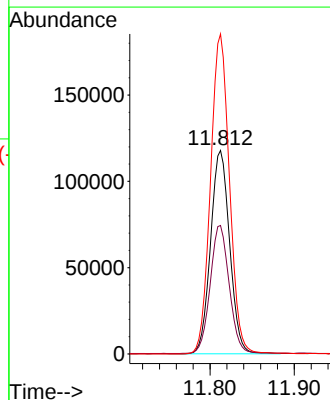
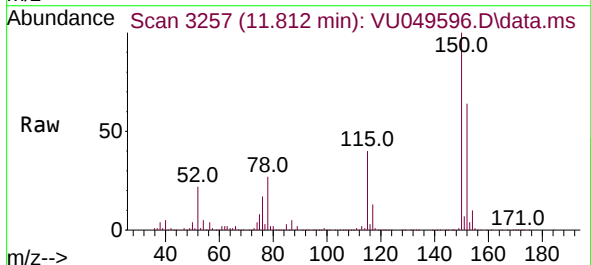
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-6-GR

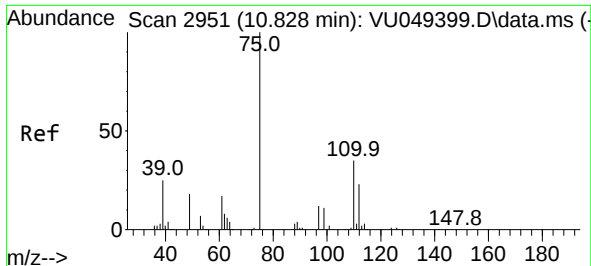
Tgt Ion:164 Resp: 862
Ion Ratio Lower Upper
164 100
166 166.6 100.0 150.0#
129 115.2 72.0 108.0#
131 87.8 69.7 104.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049596.D
Acq: 01 Jul 2022 20:54

Tgt Ion:152 Resp: 185321
Ion Ratio Lower Upper
152 100
115 62.6 37.0 110.9
150 156.5 0.0 342.2

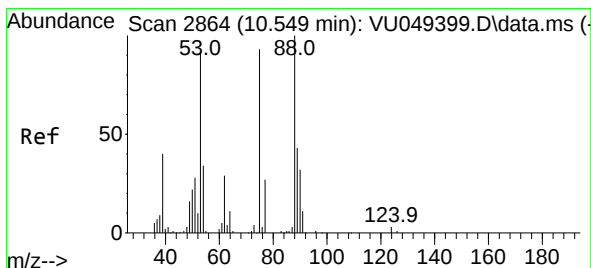
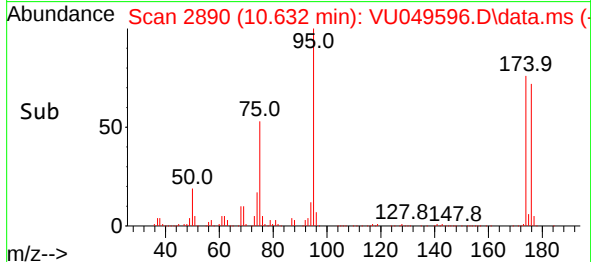
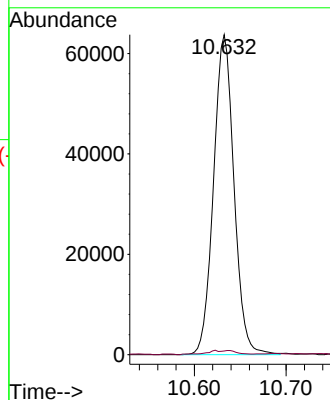
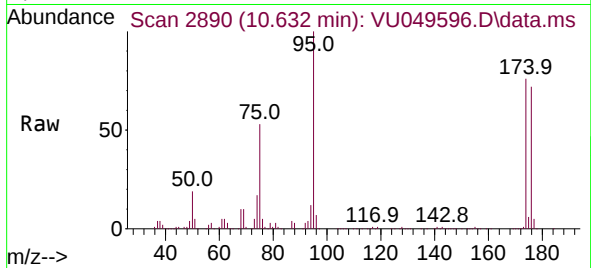




#76
1,2,3-Trichloropropane
Concen: 15.720 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049596.D
Acq: 01 Jul 2022 20:54

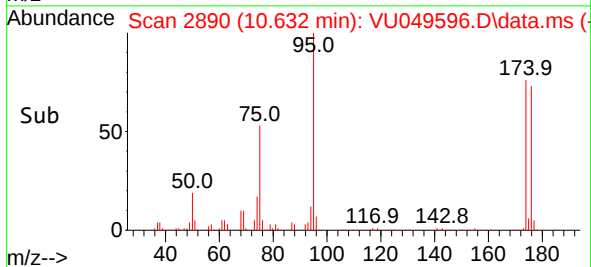
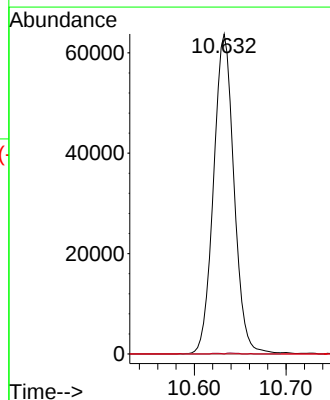
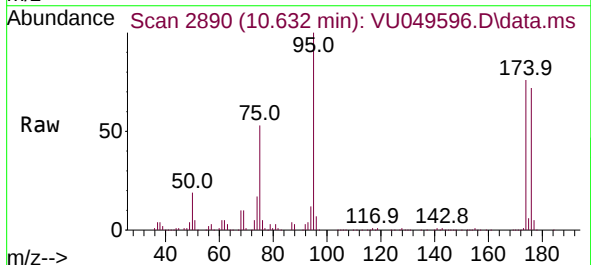
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-6-GR

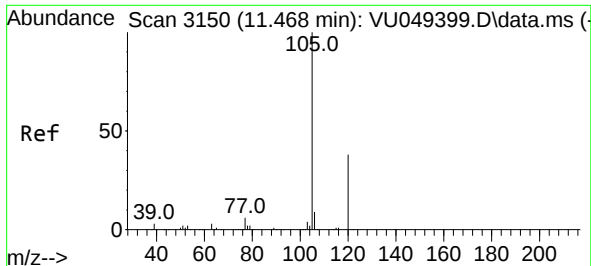
Tgt Ion: 75 Resp: 98758
Ion Ratio Lower Upper
75 100
77 0.7 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.053 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049596.D
Acq: 01 Jul 2022 20:54

Tgt Ion: 75 Resp: 98758
Ion Ratio Lower Upper
75 100
53 0.1 69.2 103.8#
89 0.0 37.0 55.6#

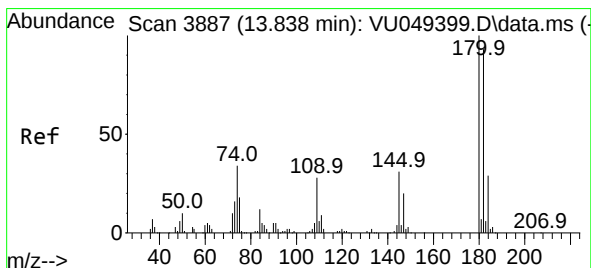
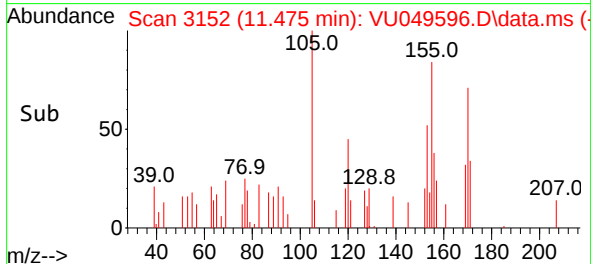
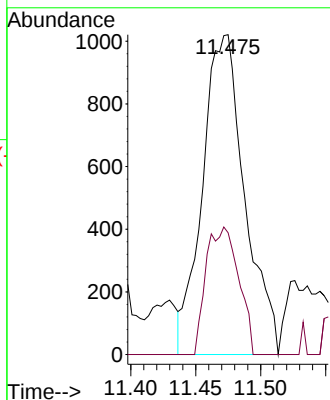
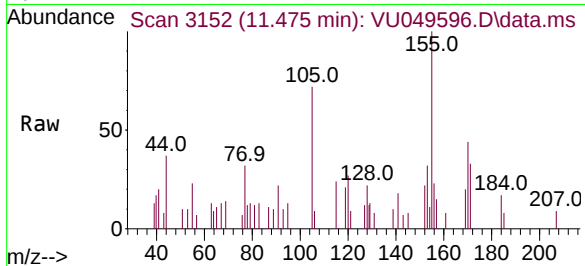




#84
1,2,4-Trimethylbenzene
Concen: 0.204 ug/l
RT: 11.475 min Scan# 3150
Delta R.T. 0.007 min
Lab File: VU049596.D
Acq: 01 Jul 2022 20:54

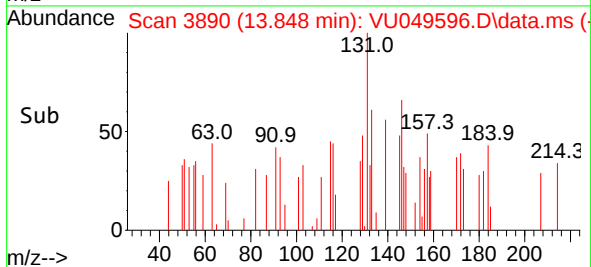
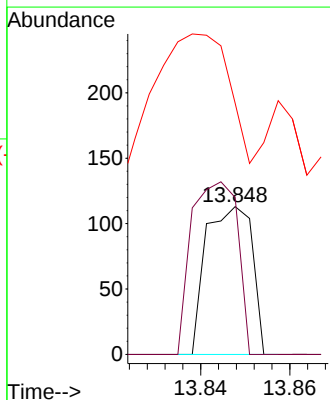
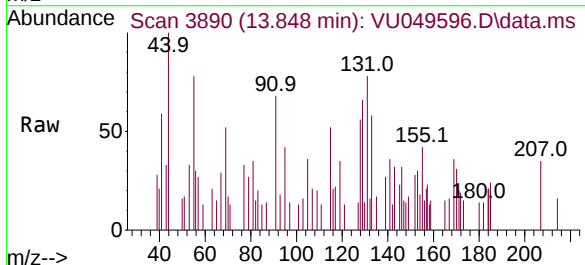
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-6-GR

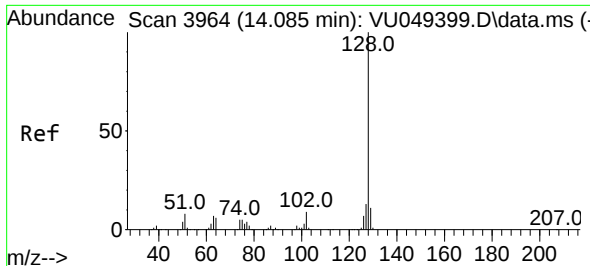
Tgt Ion:105 Resp: 2307
Ion Ratio Lower Upper
105 100
120 30.6 23.4 70.3



#93
1,2,4-Trichlorobenzene
Concen: 1.773 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.010 min
Lab File: VU049596.D
Acq: 01 Jul 2022 20:54

Tgt Ion:180 Resp: 81
Ion Ratio Lower Upper
180 100
182 117.3 47.9 143.6
145 213.6 14.0 41.9#

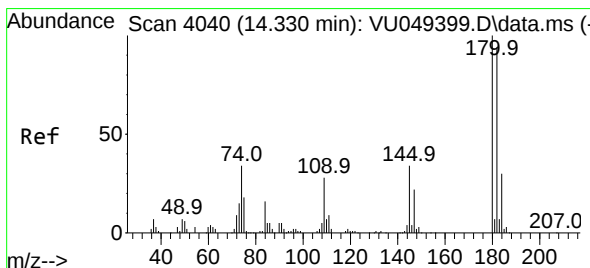
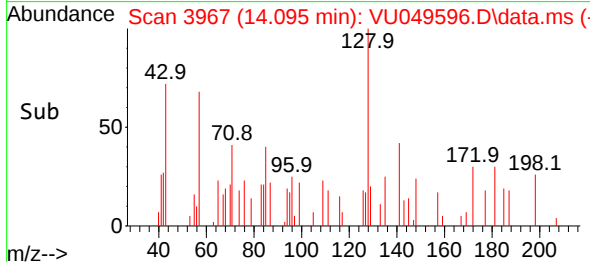
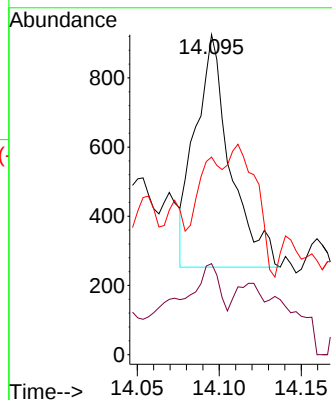
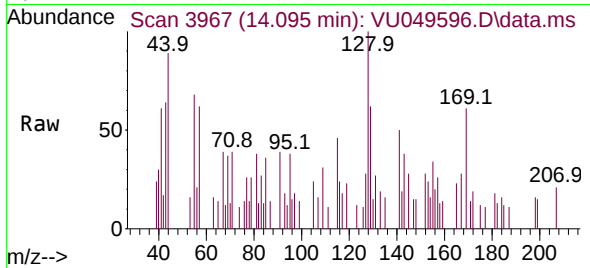




#95
Naphthalene
Concen: 1.802 ug/l
RT: 14.095 min Scan# 3964
Delta R.T. 0.010 min
Lab File: VU049596.D
Acq: 01 Jul 2022 20:54

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

Tgt Ion:128 Resp: 991
Ion Ratio Lower Upper
128 100
127 28.7 10.3 15.5#
129 20.4 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.187 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. 0.007 min
Lab File: VU049596.D
Acq: 01 Jul 2022 20:54

Tgt Ion:180 Resp: 44
Ion Ratio Lower Upper
180 100
182 661.4 48.4 145.0#
145 2125.0 14.8 44.4#

