

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070122\
 Data File : VU049599.D
 Acq On : 01 Jul 2022 22:05
 Operator : SY/MD
 Sample : N3564-29
 Misc : 6.89g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WC-16-2-4-GR

Quant Time: Jul 04 06:52:09 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)

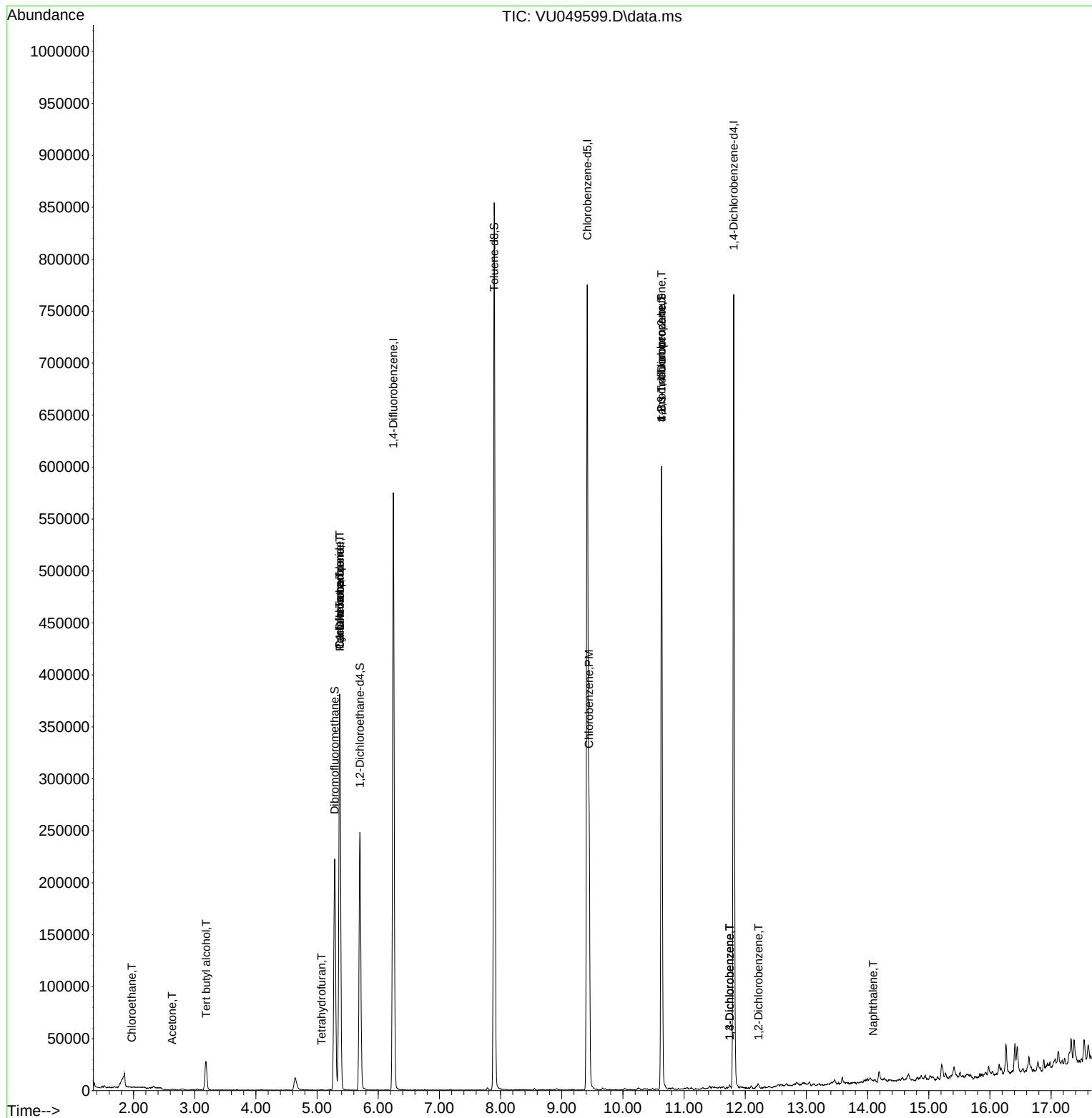
Internal Standards						
1) Pentafluorobenzene	5.372	168	264647	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	466173	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	421497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	199135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	181858	44.620	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.240%		
35) Dibromofluoromethane	5.288	113	145101	44.490	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.980%		
50) Toluene-d8	7.896	98	560153	48.153	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.300%		
62) 4-Bromofluorobenzene	10.632	95	203570	45.683	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.360%		
Target Compounds						Qvalue
3) Chloromethane	1.517	50	1904	Below Cal		97
6) Chloroethane	1.970	64	45	1.937 ug/l	#	44
11) Tert butyl alcohol	3.186	59	17830	18.690 ug/l	#	39
16) Acetone	2.629	43	1133	0.551 ug/l		98
20) Methylene Chloride	3.044	84	450	Below Cal	#	93
29) Tetrahydrofuran	5.073	42	527	0.249 ug/l	#	32
31) Cyclohexane	5.369	56	5579	0.912 ug/l	#	1
36) 1,1-Dichloropropene	5.369	75	22251	4.705 ug/l	#	48
38) Carbon Tetrachloride	5.369	117	27833	5.612 ug/l	#	16
65) Chlorobenzene	9.446	112	136101	15.795 ug/l		97
76) 1,2,3-Trichloropropane	10.632	75	101759	15.074 ug/l	#	45
81) trans-1,4-Dichloro-2-b...	10.632	75	101759	55.668 ug/l	#	15
87) 1,3-Dichlorobenzene	11.745	146	1403	0.212 ug/l		92
88) 1,4-Dichlorobenzene	11.745	146	1403	0.211 ug/l		92
91) 1,2-Dichlorobenzene	12.217	146	1792	0.269 ug/l		93
95) Naphthalene	14.092	128	995	1.798 ug/l	#	89

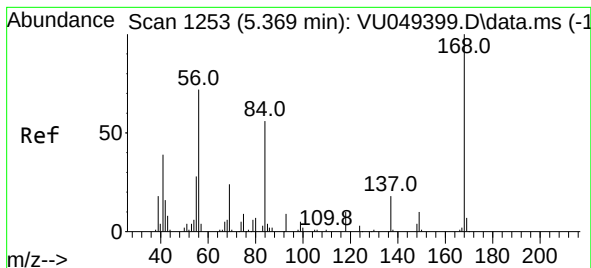
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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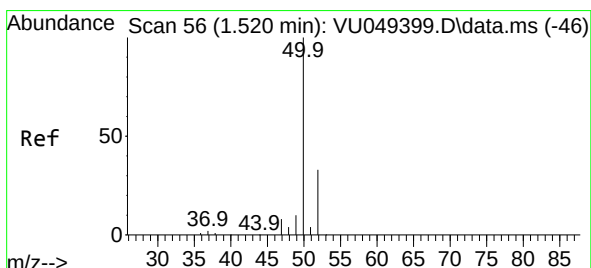
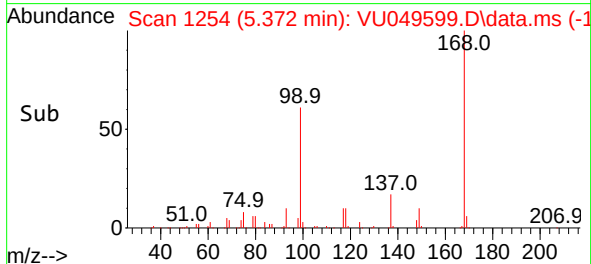
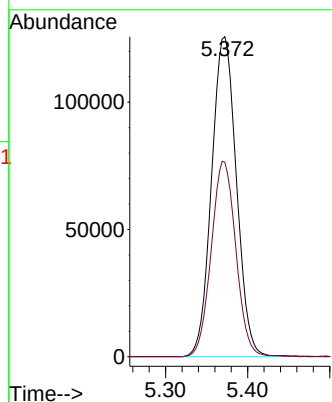
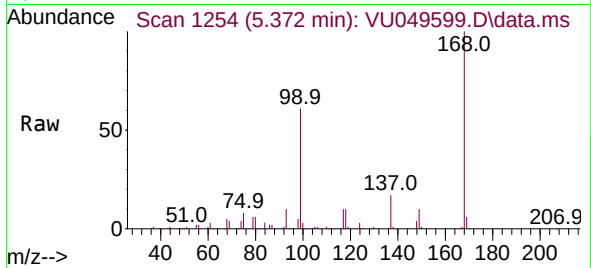




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049599.D
Acq: 01 Jul 2022 22:05

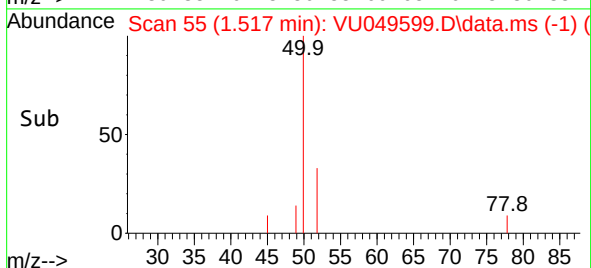
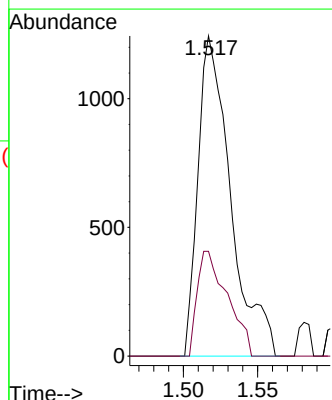
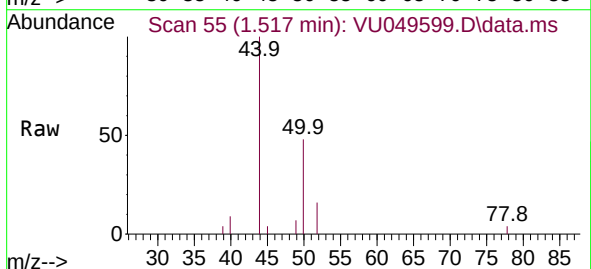
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-4-GR

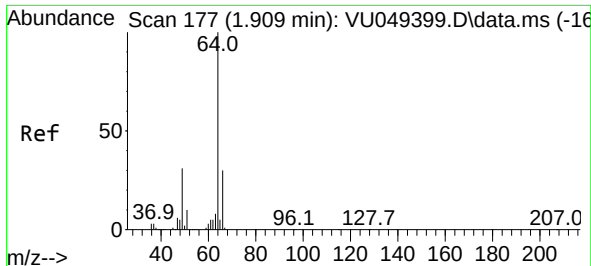
Tgt Ion:168 Resp: 264647
Ion Ratio Lower Upper
168 100
99 60.8 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU049599.D
Acq: 01 Jul 2022 22:05

Tgt Ion: 50 Resp: 1904
Ion Ratio Lower Upper
50 100
52 32.7 27.4 41.2

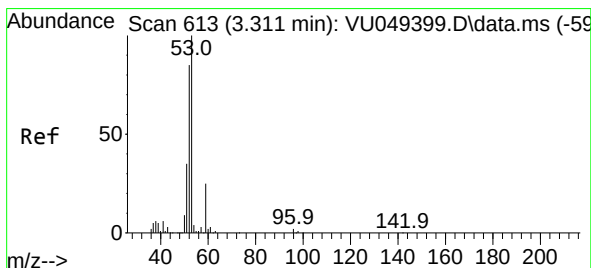
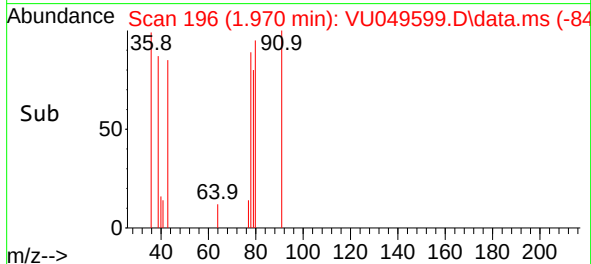
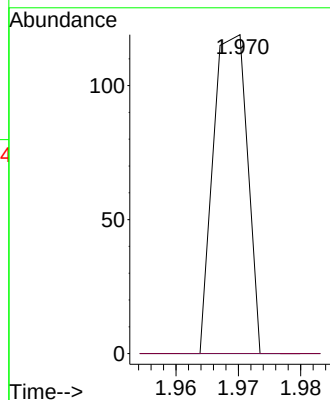
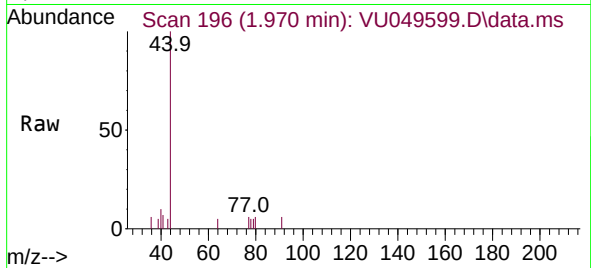




#6
Chloroethane
Concen: 1.937 ug/l
RT: 1.970 min Scan# 11
Delta R.T. 0.061 min
Lab File: VU049599.D
Acq: 01 Jul 2022 22:05

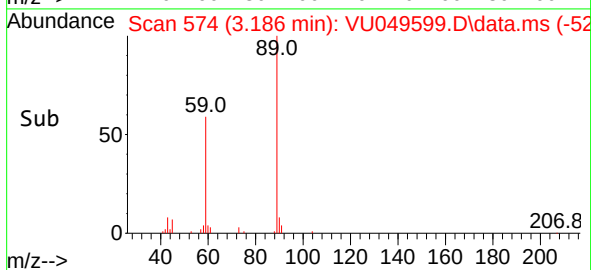
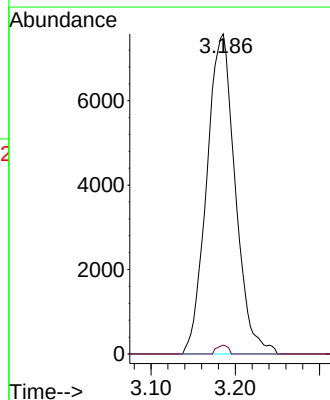
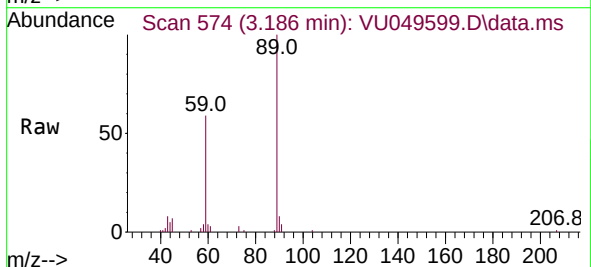
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-4-GR

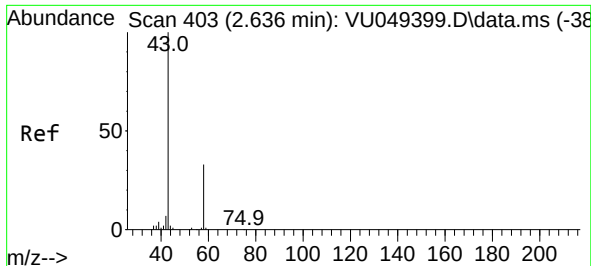
Tgt Ion: 64 Resp: 45
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 18.690 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.125 min
Lab File: VU049599.D
Acq: 01 Jul 2022 22:05

Tgt Ion: 59 Resp: 17830
Ion Ratio Lower Upper
59 100
57 1.1 30.6 45.8#

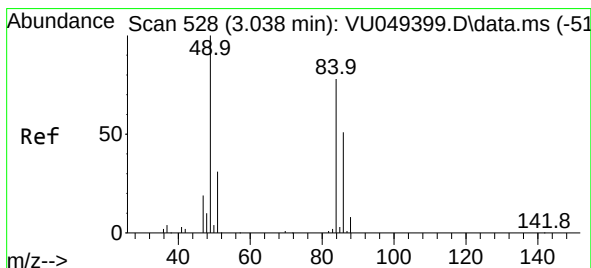
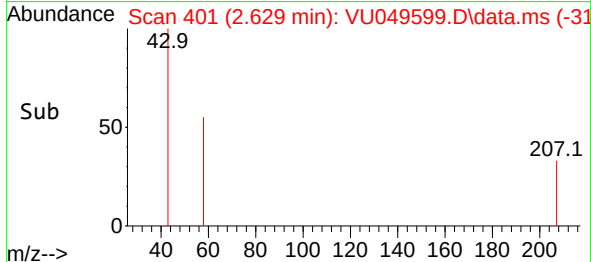
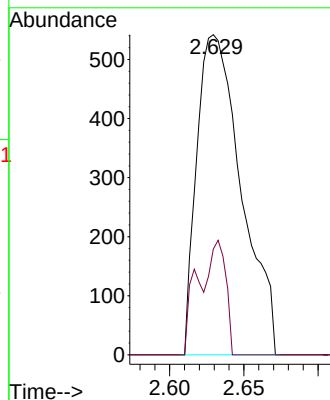
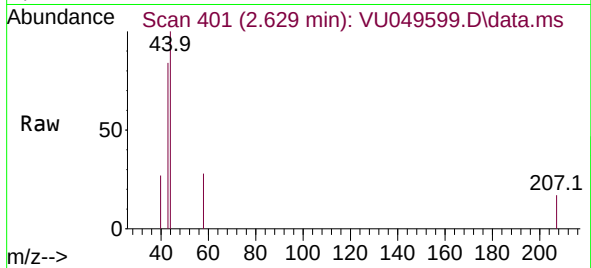




#16
Acetone
Concen: 0.551 ug/l
RT: 2.629 min Scan# 40
Delta R.T. -0.006 min
Lab File: VU049599.D
Acq: 01 Jul 2022 22:05

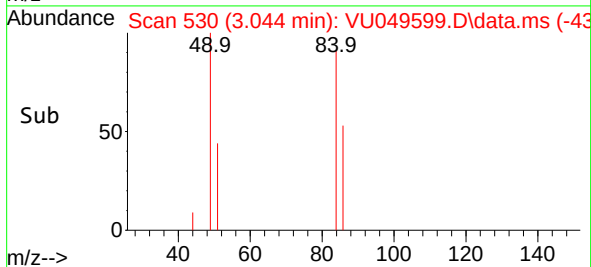
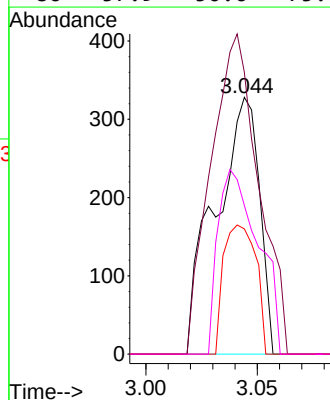
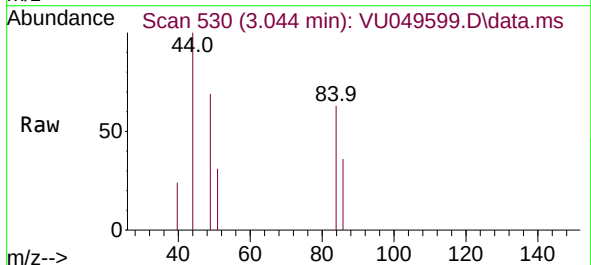
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-4-GR

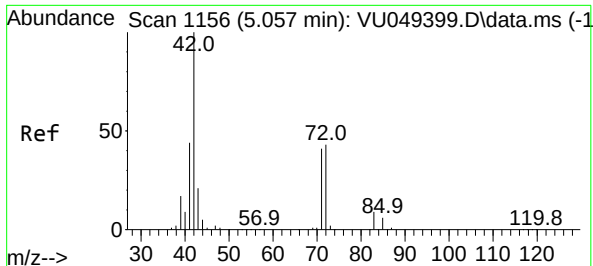
Tgt Ion: 43 Resp: 1133
Ion Ratio Lower Upper
43 100
58 33.0 27.5 41.3



#20
Methylene Chloride
Concen: Below Cal
RT: 3.044 min Scan# 530
Delta R.T. 0.006 min
Lab File: VU049599.D
Acq: 01 Jul 2022 22:05

Tgt Ion: 84 Resp: 450
Ion Ratio Lower Upper
84 100
49 109.8 86.6 129.8
51 48.8 26.6 40.0#
86 57.9 50.6 75.8





#29

Tetrahydrofuran

Concen: 0.249 ug/l

RT: 5.073 min Scan# 1161

Delta R.T. 0.016 min

Lab File: VU049599.D

Acq: 01 Jul 2022 22:05

Instrument :

MSVOA_U

ClientSampleId :

WC-16-2-4-GR

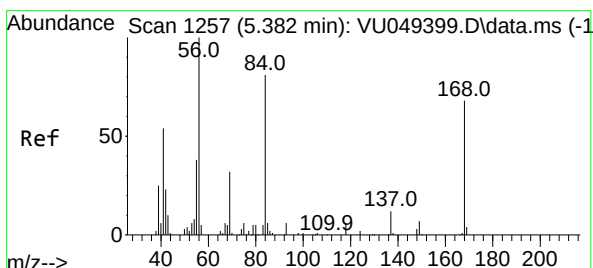
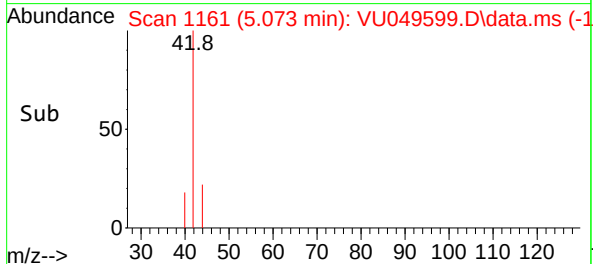
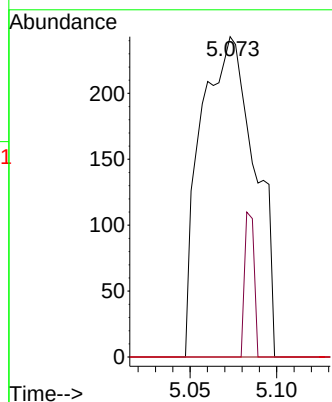
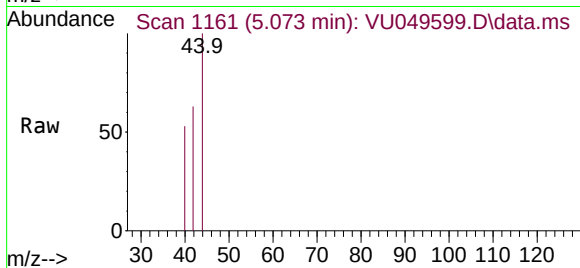
Tgt Ion: 42 Resp: 527

Ion Ratio Lower Upper

42 100

72 7.8 42.6 63.8#

71 0.0 40.3 60.5#



#31

Cyclohexane

Concen: 0.912 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.013 min

Lab File: VU049599.D

Acq: 01 Jul 2022 22:05

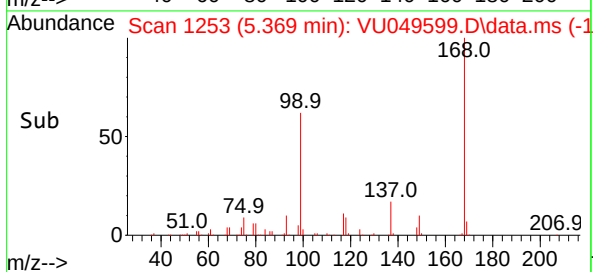
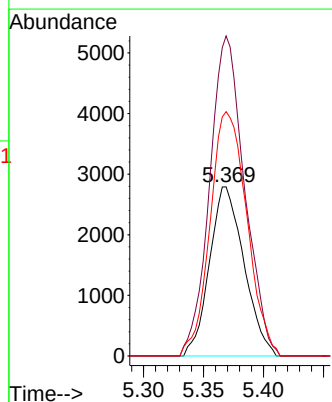
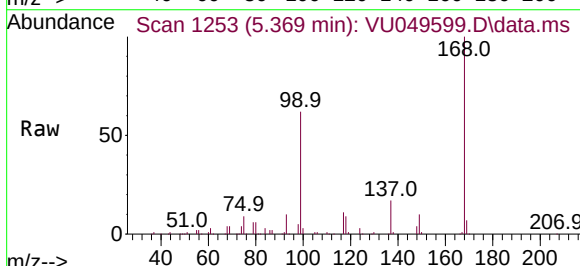
Tgt Ion: 56 Resp: 5579

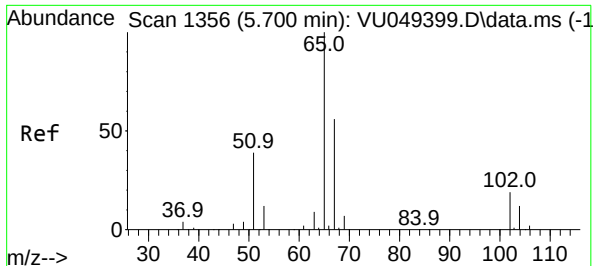
Ion Ratio Lower Upper

56 100

69 189.1 27.8 41.8#

84 144.4 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 44.620 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049599.D

Acq: 01 Jul 2022 22:05

Instrument :

MSVOA_U

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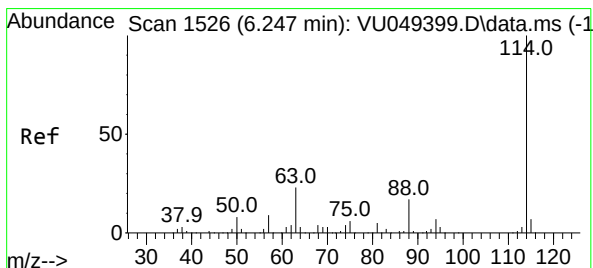
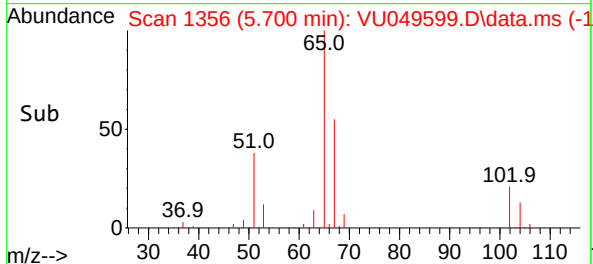
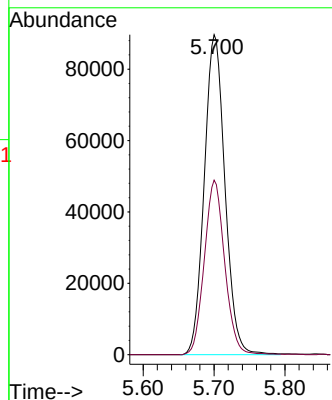
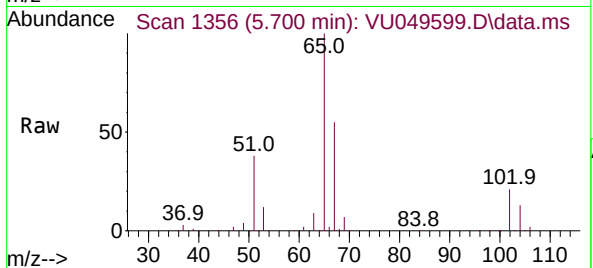
WC-16-2-4-GR

Tgt Ion: 65 Resp: 181858

Ion Ratio Lower Upper

65 100

67 53.7 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: VU049599.D

Acq: 01 Jul 2022 22:05

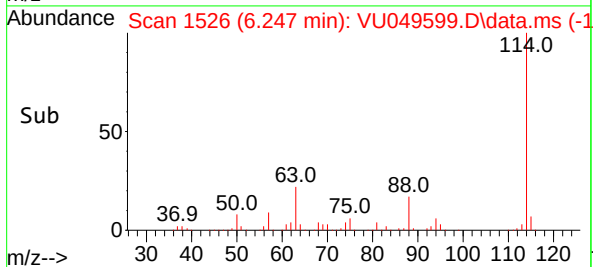
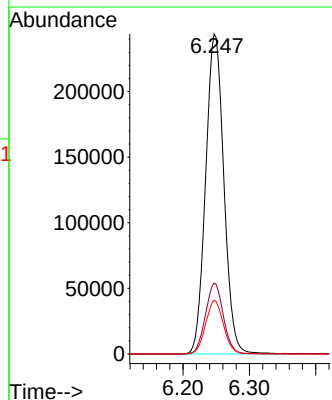
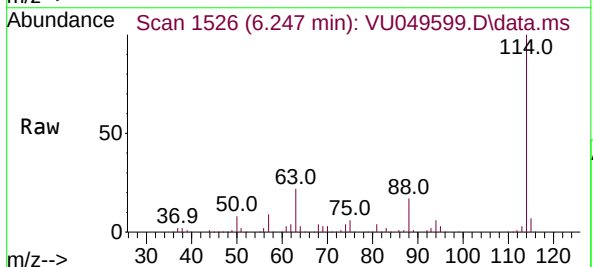
Tgt Ion: 114 Resp: 466173

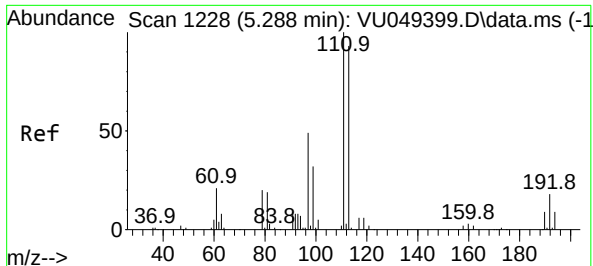
Ion Ratio Lower Upper

114 100

63 22.1 0.0 37.8

88 16.8 0.0 29.2

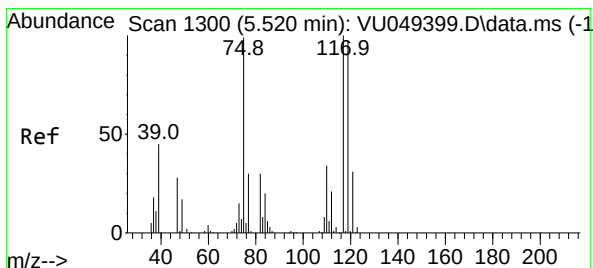
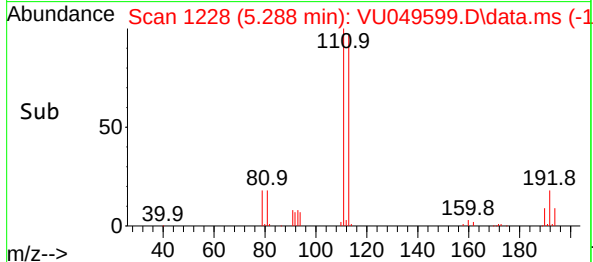
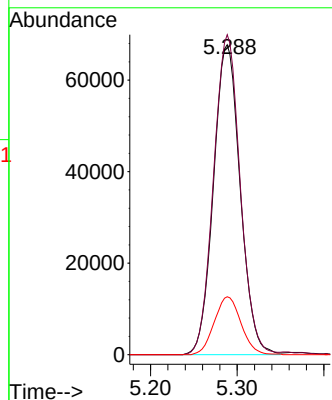
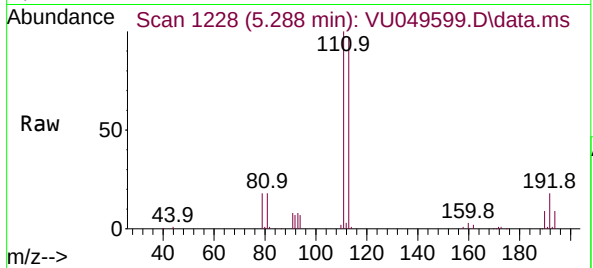




#35
Dibromofluoromethane
Concen: 44.490 ug/l
RT: 5.288 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049599.D
Acq: 01 Jul 2022 22:05

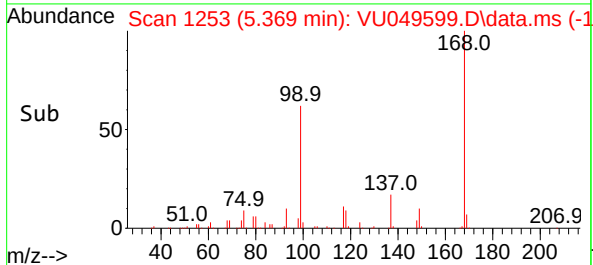
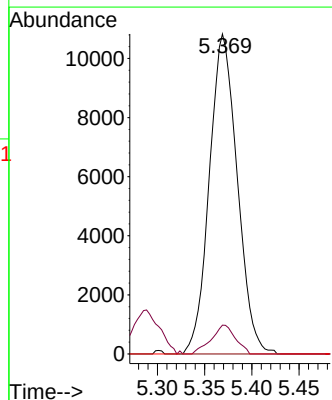
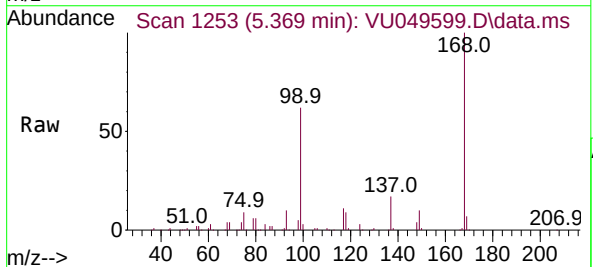
Instrument :
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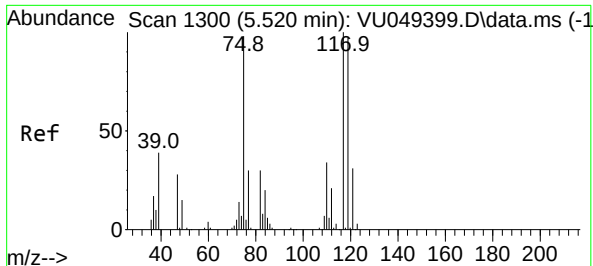
Tgt Ion:113 Resp: 145101
Ion Ratio Lower Upper
113 100
111 102.9 82.1 123.1
192 18.8 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.705 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.151 min
Lab File: VU049599.D
Acq: 01 Jul 2022 22:05

Tgt Ion: 75 Resp: 22251
Ion Ratio Lower Upper
75 100
110 7.8 18.4 55.2#
77 0.0 25.1 37.7#

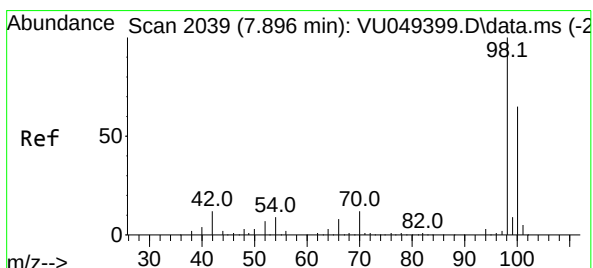
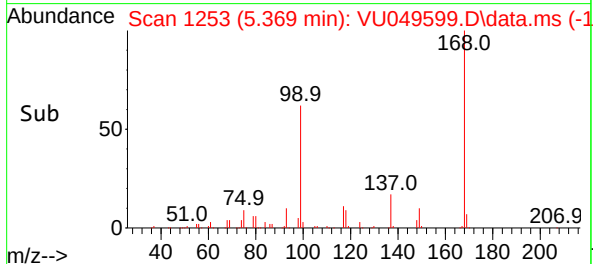
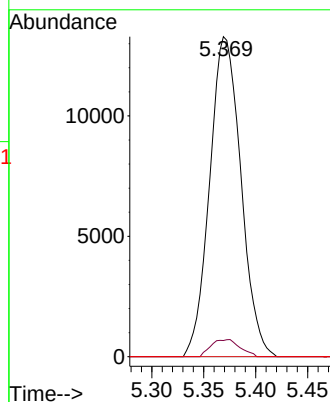
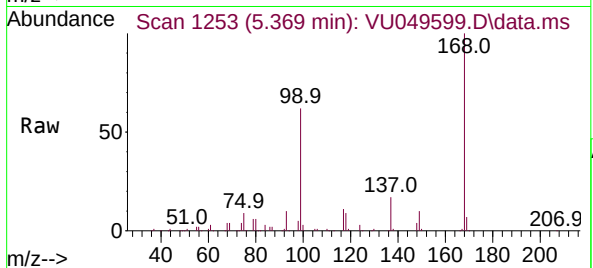




#38
Carbon Tetrachloride
Concen: 5.612 ug/l
RT: 5.369 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU049599.D
Acq: 01 Jul 2022 22:05

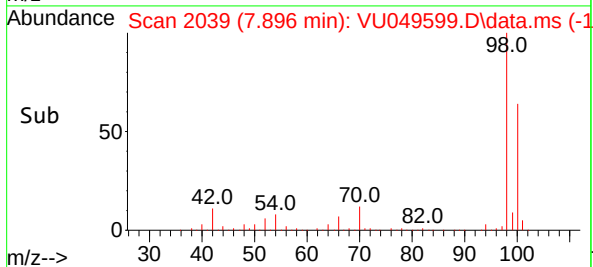
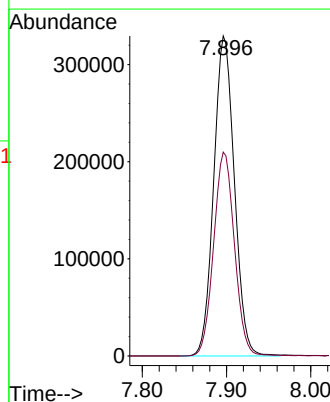
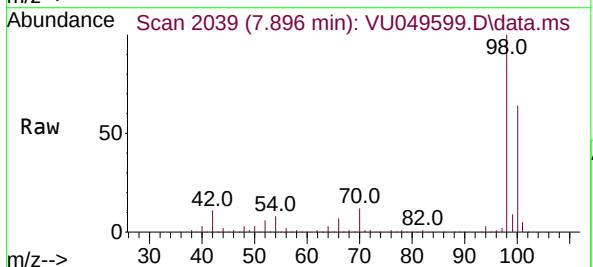
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-4-GR

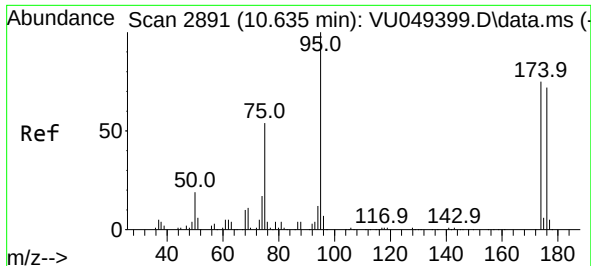
Tgt Ion:117 Resp: 27833
Ion Ratio Lower Upper
117 100
119 5.1 76.8 115.2#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.153 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049599.D
Acq: 01 Jul 2022 22:05

Tgt Ion: 98 Resp: 560153
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5

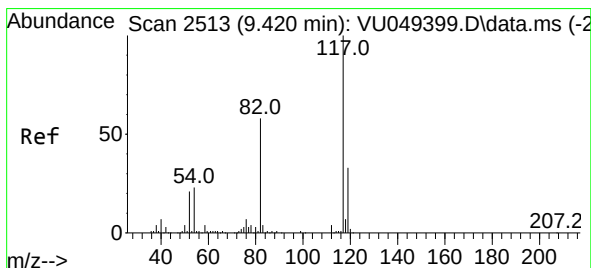
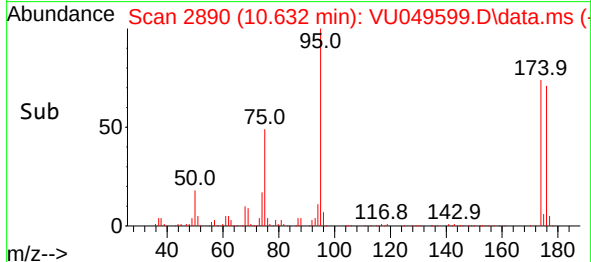
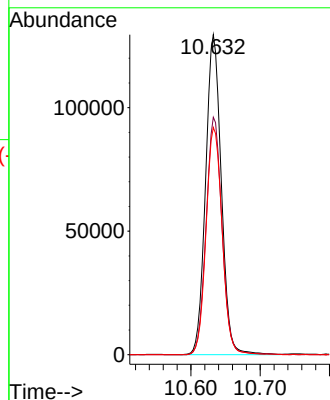
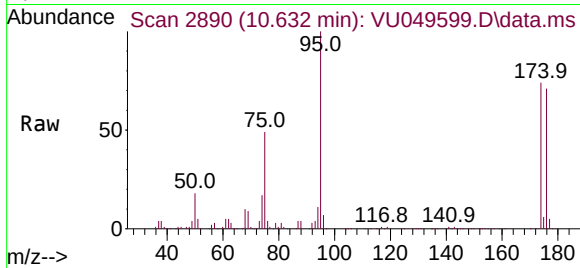




#62
4-Bromofluorobenzene
Concen: 45.683 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049599.D
Acq: 01 Jul 2022 22:05

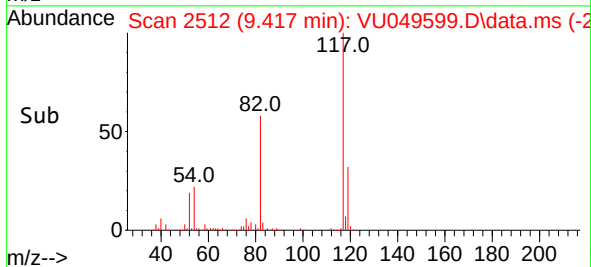
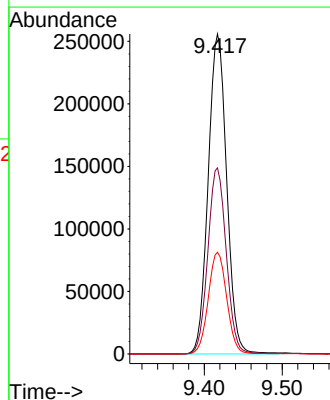
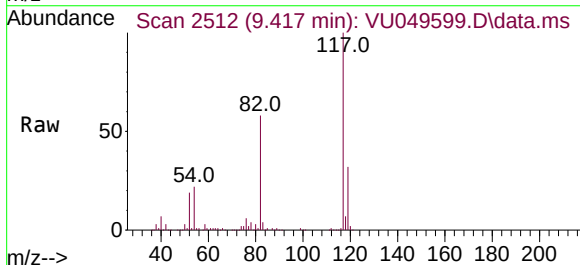
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-4-GR

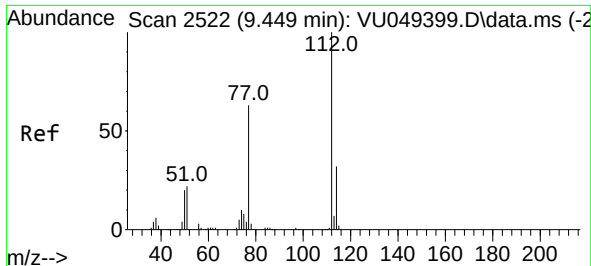
Tgt Ion: 95 Resp: 203570
Ion Ratio Lower Upper
95 100
174 75.3 0.0 182.0
176 72.7 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049599.D
Acq: 01 Jul 2022 22:05

Tgt Ion: 117 Resp: 421497
Ion Ratio Lower Upper
117 100
82 58.2 41.7 62.5
119 31.8 25.7 38.5

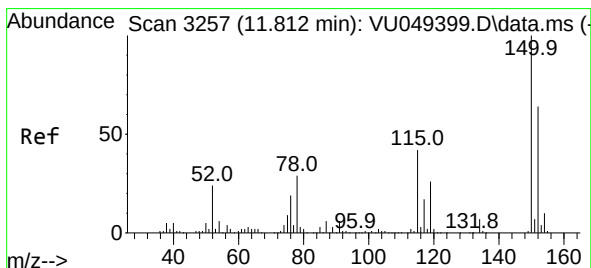
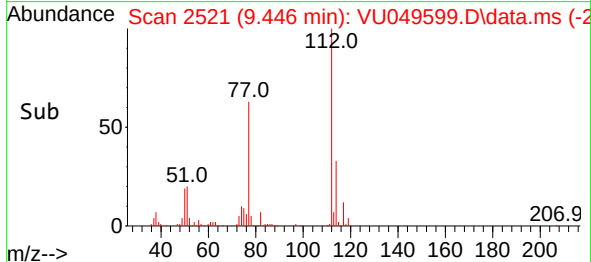
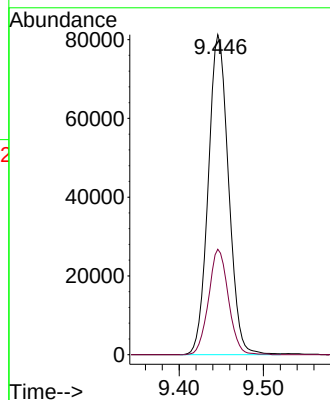
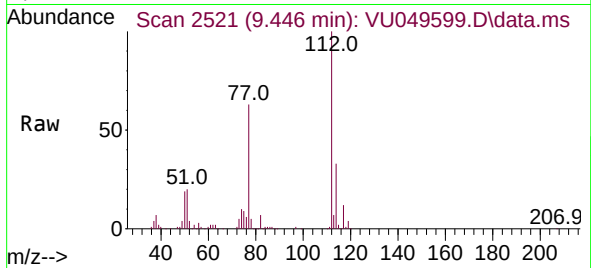




#65
Chlorobenzene
Concen: 15.795 ug/l
RT: 9.446 min Scan# 2522
Delta R.T. -0.003 min
Lab File: VU049599.D
Acq: 01 Jul 2022 22:05

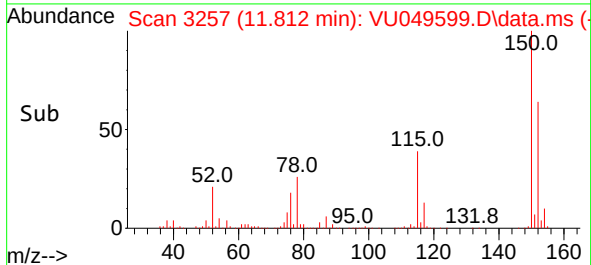
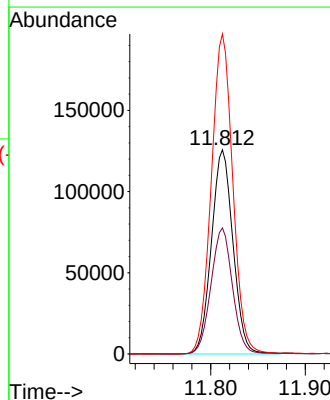
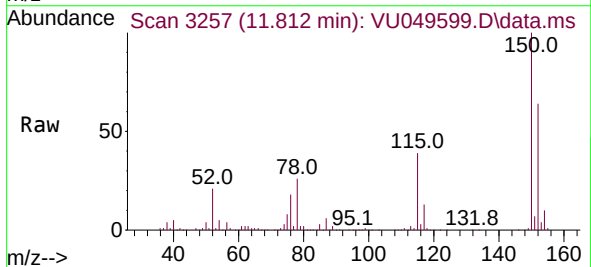
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-4-GR

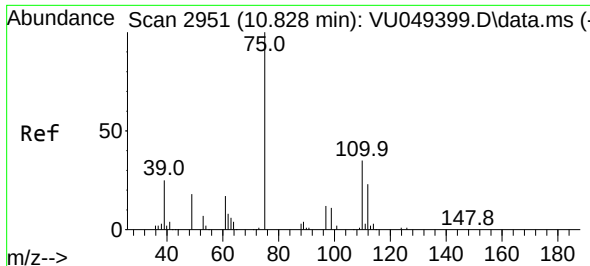
Tgt Ion:112 Resp: 136101
Ion Ratio Lower Upper
112 100
114 32.9 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049599.D
Acq: 01 Jul 2022 22:05

Tgt Ion:152 Resp: 199135
Ion Ratio Lower Upper
152 100
115 61.7 37.0 110.9
150 155.9 0.0 342.2

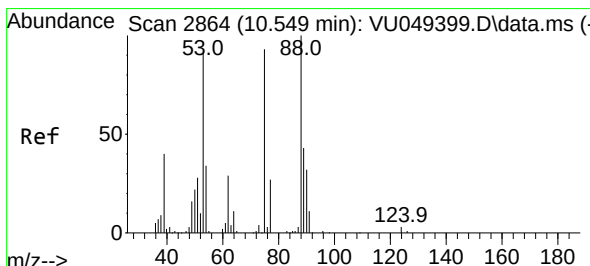
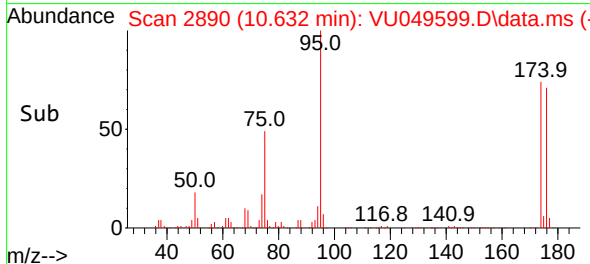
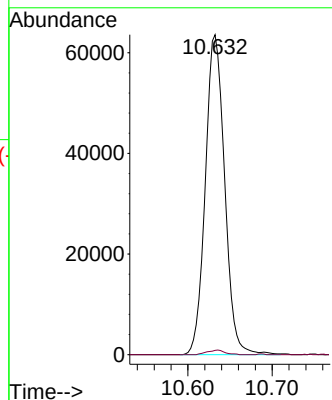
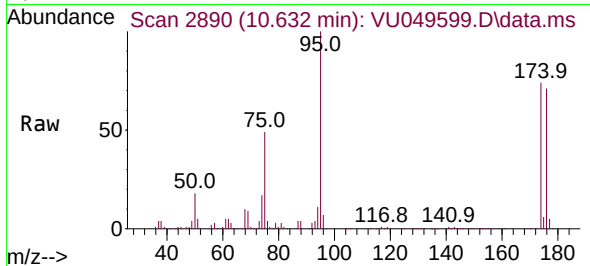




#76
1,2,3-Trichloropropane
Concen: 15.074 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049599.D
Acq: 01 Jul 2022 22:05

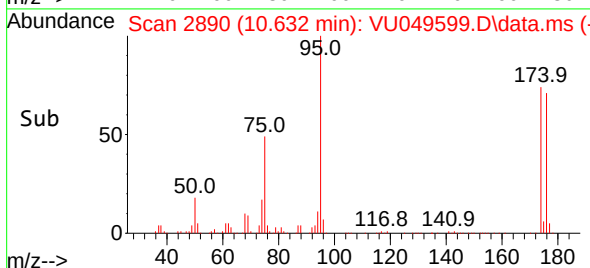
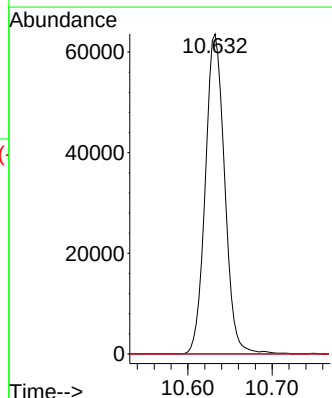
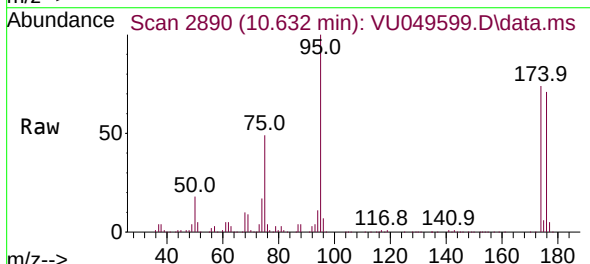
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-4-GR

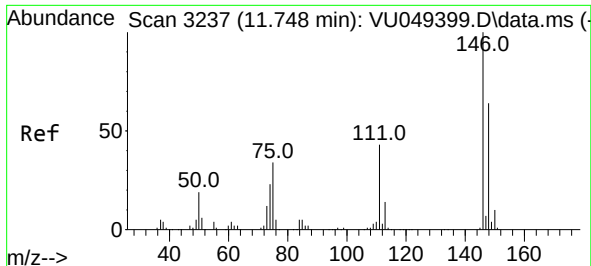
Tgt Ion: 75 Resp: 101759
Ion Ratio Lower Upper
75 100
77 1.3 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.668 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049599.D
Acq: 01 Jul 2022 22:05

Tgt Ion: 75 Resp: 101759
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#





#87

1,3-Dichlorobenzene

Concen: 0.212 ug/l

RT: 11.745 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU049599.D

Acq: 01 Jul 2022 22:05

Instrument :

MSVOA_U

ClientSampleId :

WC-16-2-4-GR

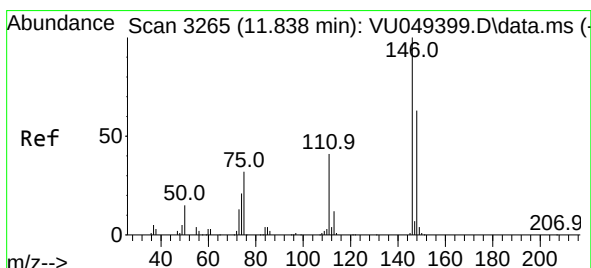
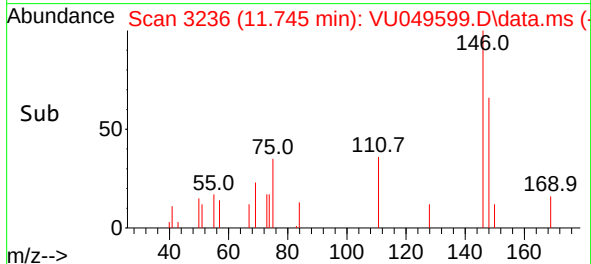
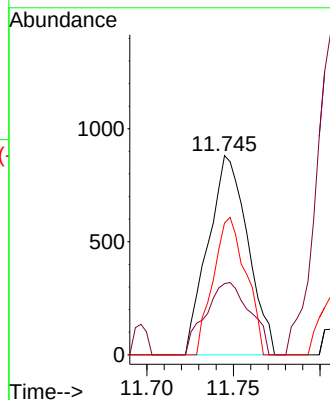
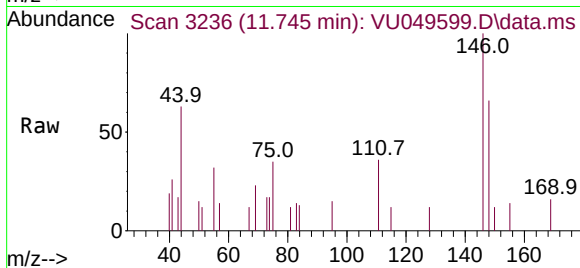
Tgt Ion:146 Resp: 1403

Ion Ratio Lower Upper

146 100

111 40.7 18.9 56.5

148 56.8 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 0.211 ug/l

RT: 11.745 min Scan# 3236

Delta R.T. -0.093 min

Lab File: VU049599.D

Acq: 01 Jul 2022 22:05

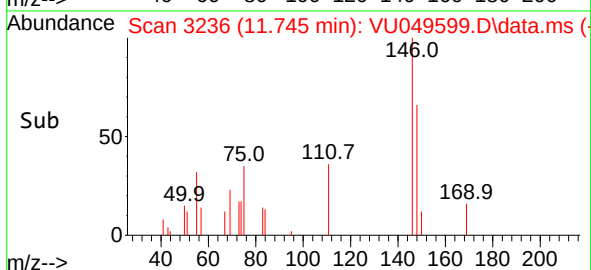
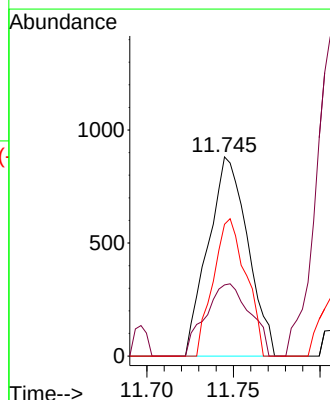
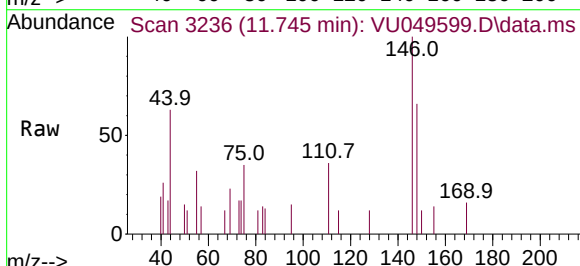
Tgt Ion:146 Resp: 1403

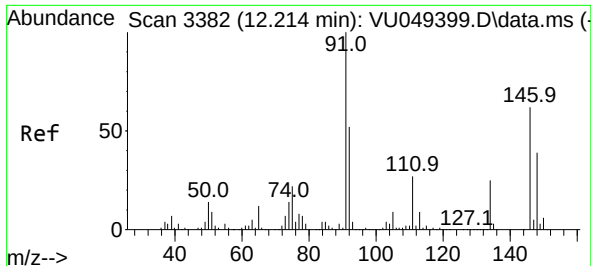
Ion Ratio Lower Upper

146 100

111 40.7 18.5 55.5

148 56.8 31.9 95.7

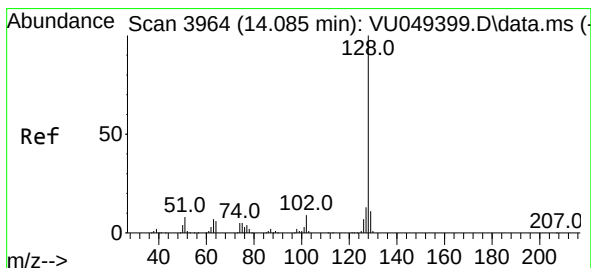
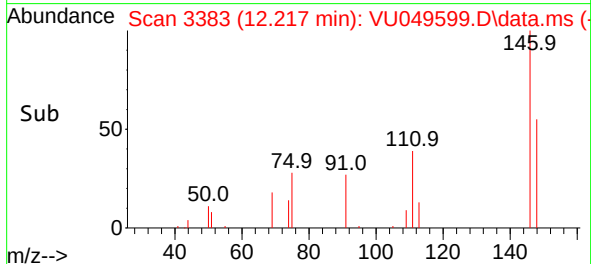
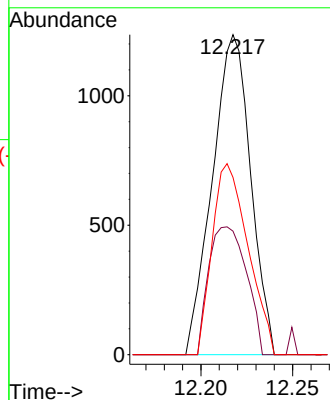
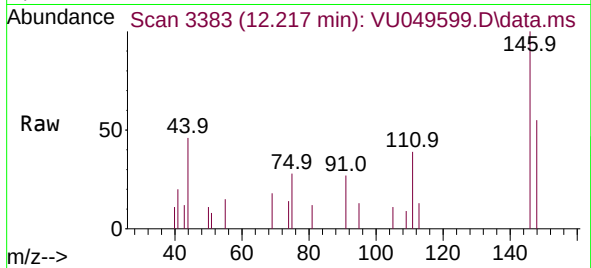




#91
1,2-Dichlorobenzene
Concen: 0.269 ug/l
RT: 12.217 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU049599.D
Acq: 01 Jul 2022 22:05

Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-4-GR

Tgt Ion:146 Resp: 1792
Ion Ratio Lower Upper
146 100
111 39.4 19.9 59.6
148 55.8 32.1 96.5



#95
Naphthalene
Concen: 1.798 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU049599.D
Acq: 01 Jul 2022 22:05

Tgt Ion:128 Resp: 995
Ion Ratio Lower Upper
128 100
127 17.2 10.3 15.5#
129 14.7 8.6 13.0#

