

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070122\
 Data File : VU049598.D
 Acq On : 01 Jul 2022 21:42
 Operator : SY/MD
 Sample : N3564-34
 Misc : 5.64g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WC-16-2-3-GR

Quant Time: Jul 04 06:51:45 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)

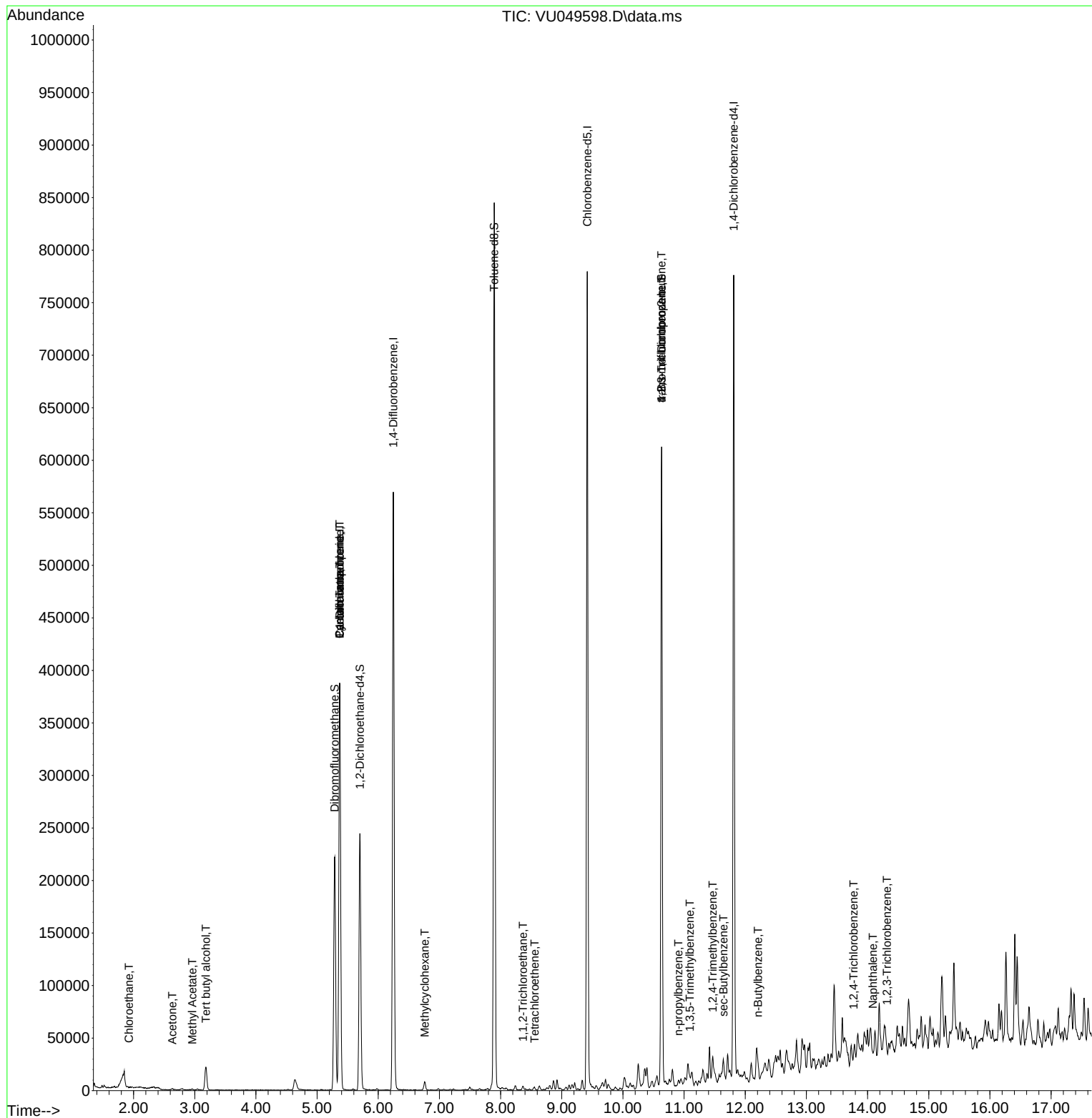
Internal Standards						
1) Pentafluorobenzene	5.369	168	261945	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	456394	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	418091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	196574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	179364	44.462	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.920%		
35) Dibromofluoromethane	5.288	113	146470	45.872	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.740%		
50) Toluene-d8	7.896	98	556541	48.868	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.740%		
62) 4-Bromofluorobenzene	10.632	95	204069	46.776	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.560%		
Target Compounds						
						Qvalue
3) Chloromethane	1.517	50	2119	Below Cal	#	87
6) Chloroethane	1.922	64	20	1.925	ug/l #	44
11) Tert butyl alcohol	3.182	59	14193	15.031	ug/l #	38
16) Acetone	2.633	43	1443	0.709	ug/l #	86
18) Methyl Acetate	2.961	43	1450	0.263	ug/l #	52
20) Methylene Chloride	3.038	84	357	Below Cal	#	91
31) Cyclohexane	5.369	56	6163	1.017	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	21899	4.730	ug/l #	48
38) Carbon Tetrachloride	5.369	117	26837	5.527	ug/l #	16
39) Methylcyclohexane	6.761	83	3496	0.630	ug/l	90
55) 1,1,2-Trichloroethane	8.365	97	1226	0.357	ug/l #	22
64) Tetrachloroethene	8.558	164	567	0.211	ug/l	92
76) 1,2,3-Trichloropropane	10.632	75	101586	15.245	ug/l #	46
78) n-propylbenzene	10.909	91	5381	0.316	ug/l	91
80) 1,3,5-Trimethylbenzene	11.092	105	3203	0.262	ug/l	89
81) trans-1,4-Dichloro-2-b...	10.632	75	101586	56.297	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.468	105	10211	0.850	ug/l	89
85) sec-Butylbenzene	11.645	105	3181	0.210	ug/l	95
89) n-Butylbenzene	12.208	91	5045	0.446	ug/l #	71
93) 1,2,4-Trichlorobenzene	13.770	180	39	1.762	ug/l #	1
95) Naphthalene	14.089	128	2125	1.869	ug/l #	89
96) 1,2,3-Trichlorobenzene	14.317	180	142	1.208	ug/l #	37

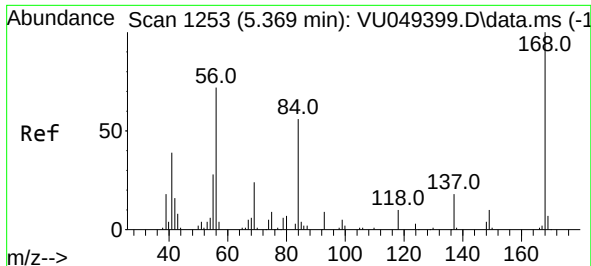
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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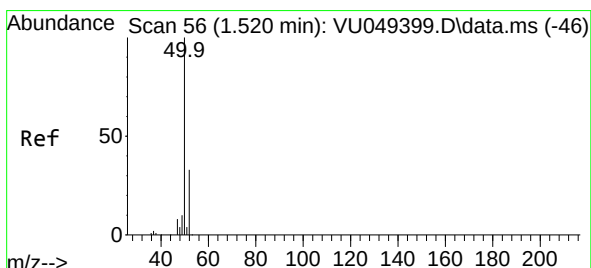
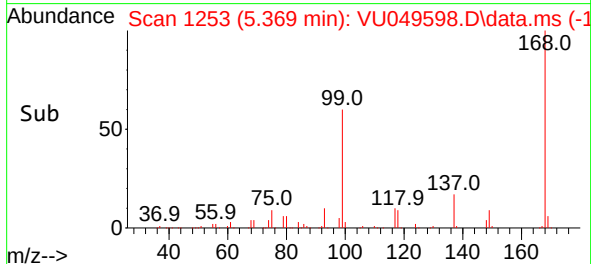
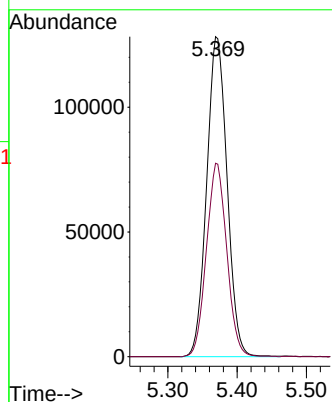
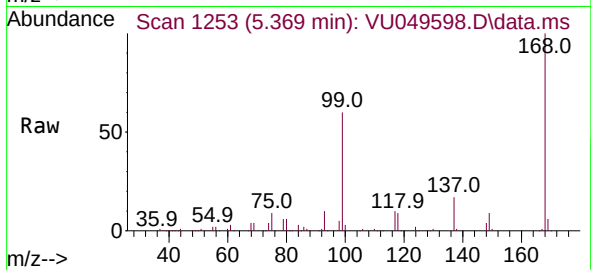




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

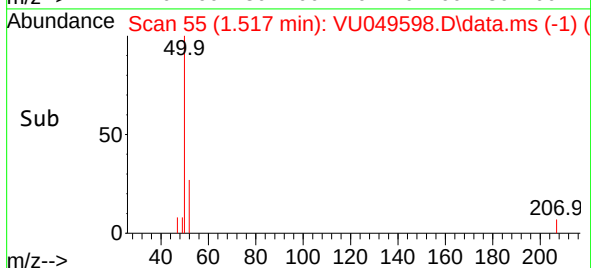
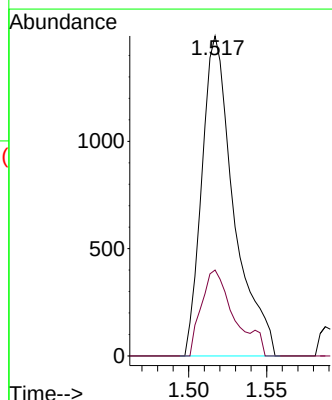
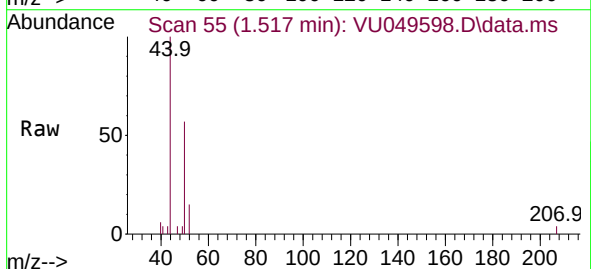
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-3-GR

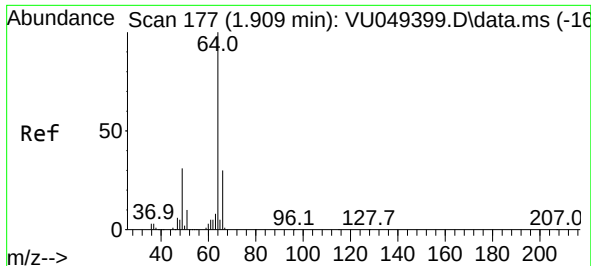
Tgt Ion:168 Resp: 261945
Ion Ratio Lower Upper
168 100
99 60.5 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

Tgt Ion: 50 Resp: 2119
Ion Ratio Lower Upper
50 100
52 26.8 27.4 41.2#

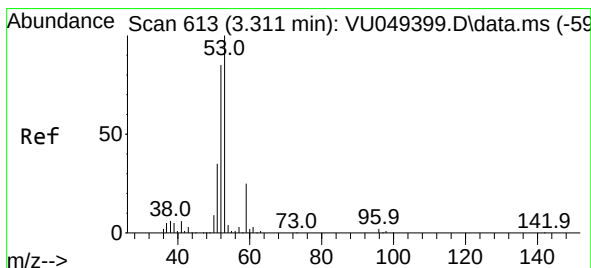
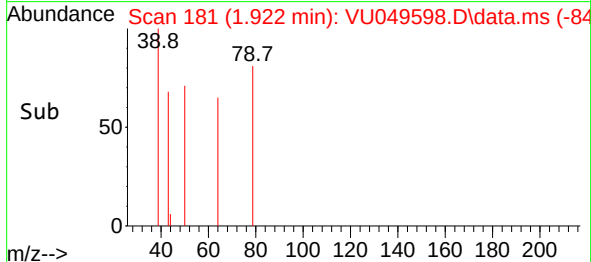
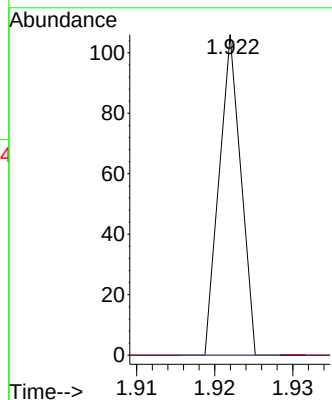
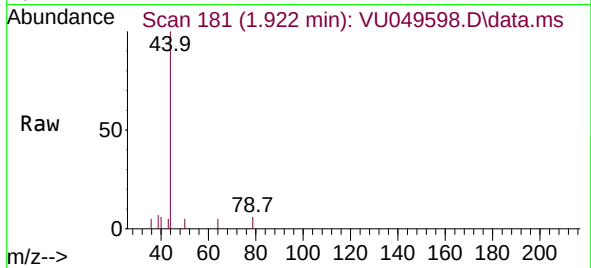




#6
Chloroethane
Concen: 1.925 ug/l
RT: 1.922 min Scan# 11
Delta R.T. 0.013 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

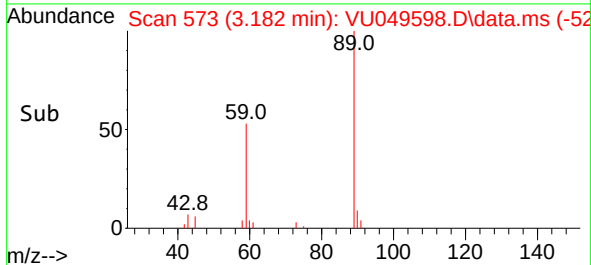
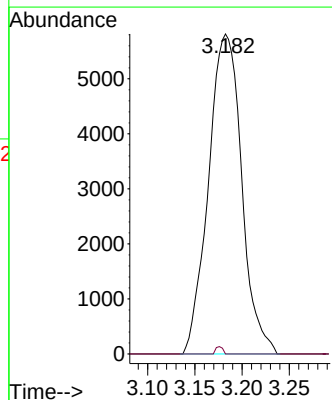
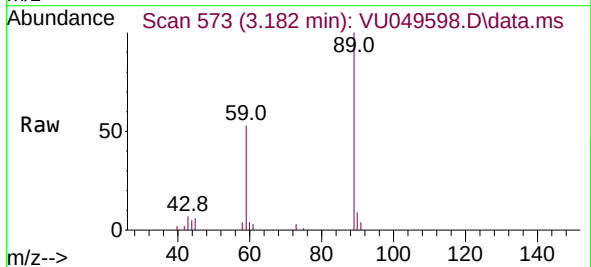
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-3-GR

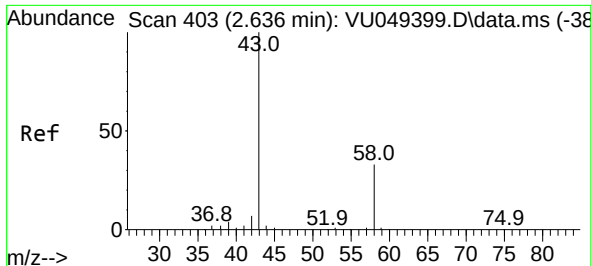
Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 15.031 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.129 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

Tgt Ion: 59 Resp: 14193
Ion Ratio Lower Upper
59 100
57 0.5 30.6 45.8#





#16

Acetone

Concen: 0.709 ug/l

RT: 2.633 min Scan# 403

Delta R.T. -0.003 min

Lab File: VU049598.D

Acq: 01 Jul 2022 21:42

Instrument :

MSVOA_U

ClientSampleId :

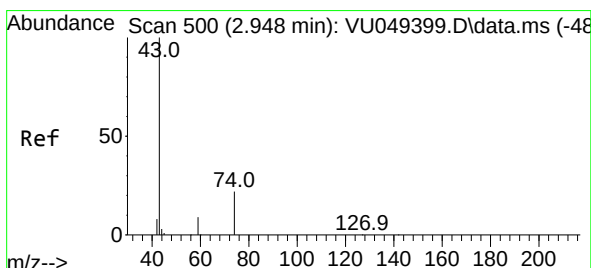
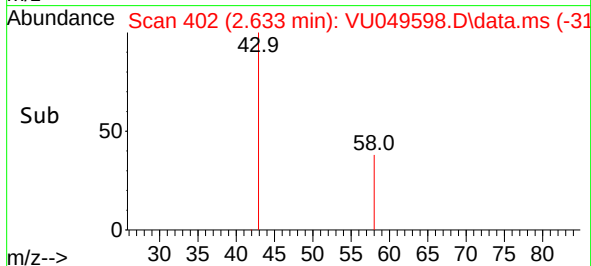
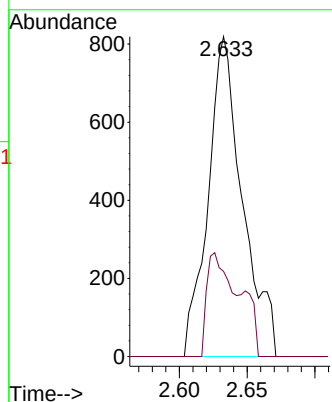
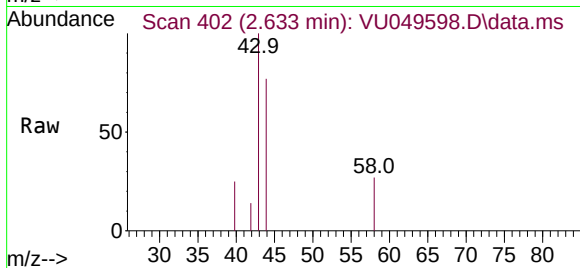
WC-16-2-3-GR

Tgt Ion: 43 Resp: 1443

Ion Ratio Lower Upper

43 100

58 26.6 27.5 41.3#



#18

Methyl Acetate

Concen: 0.263 ug/l

RT: 2.961 min Scan# 504

Delta R.T. 0.013 min

Lab File: VU049598.D

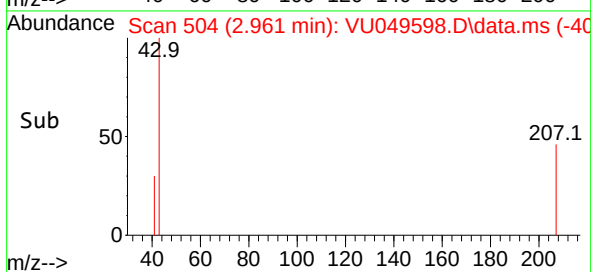
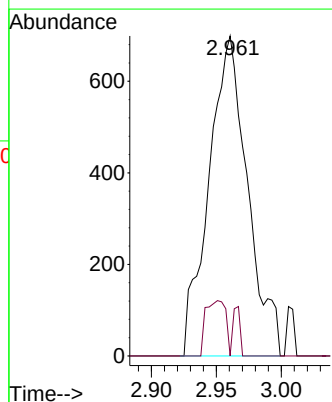
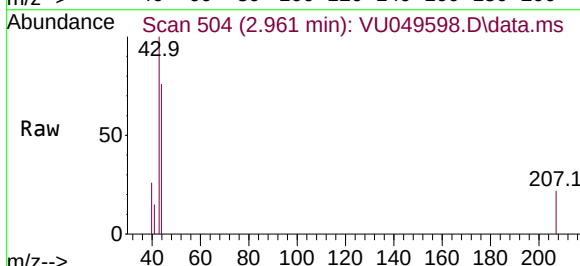
Acq: 01 Jul 2022 21:42

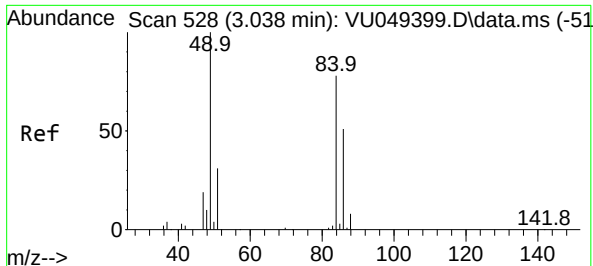
Tgt Ion: 43 Resp: 1450

Ion Ratio Lower Upper

43 100

74 2.8 22.5 33.7#





#20

Methylene Chloride

Concen: Below Cal

RT: 3.038 min Scan# 51

Delta R.T. -0.000 min

Lab File: VU049598.D

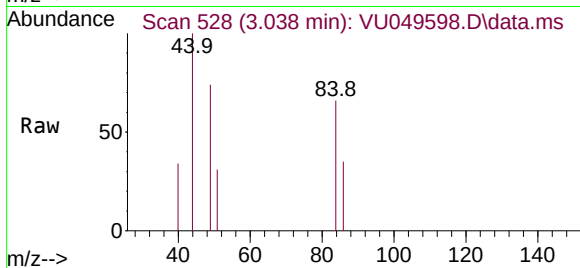
Acq: 01 Jul 2022 21:42

Instrument :

MSVOA_U

ClientSampleId :

WC-16-2-3-GR



Tgt Ion: 84 Resp: 357

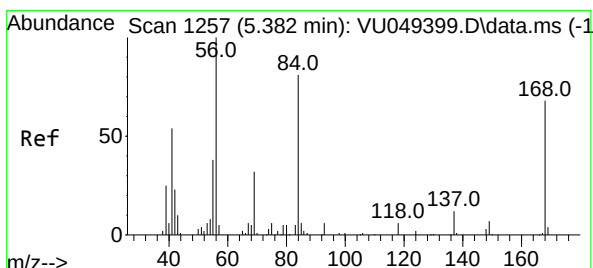
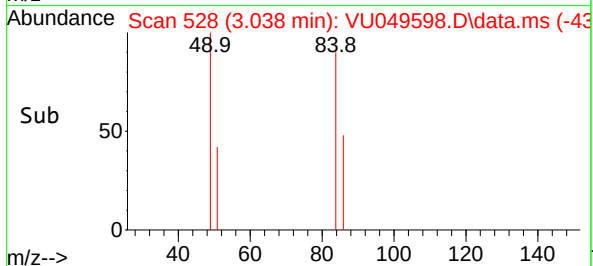
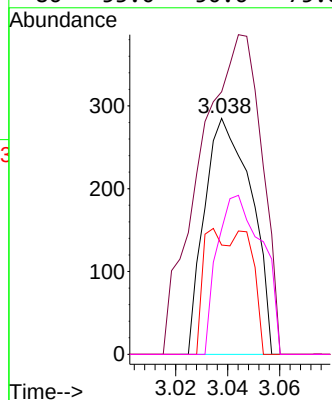
Ion Ratio Lower Upper

84 100

49 111.2 86.6 129.8

51 46.3 26.6 40.0#

86 53.0 50.6 75.8



#31

Cyclohexane

Concen: 1.017 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.013 min

Lab File: VU049598.D

Acq: 01 Jul 2022 21:42

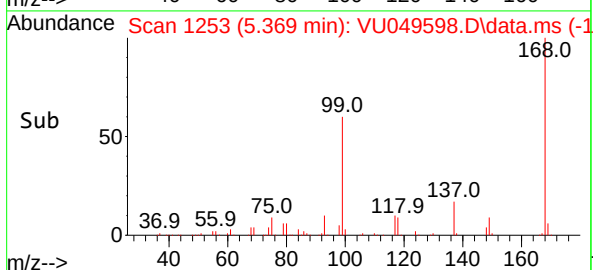
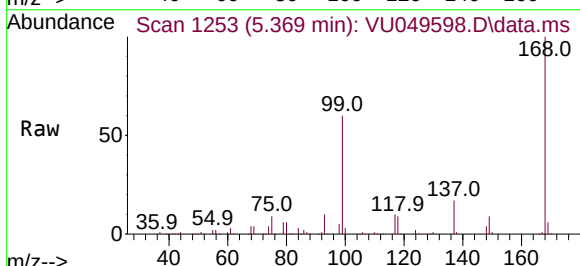
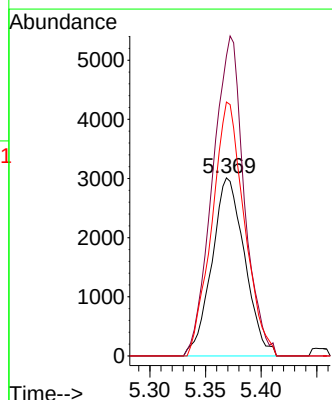
Tgt Ion: 56 Resp: 6163

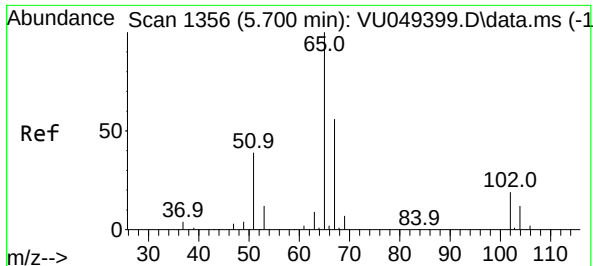
Ion Ratio Lower Upper

56 100

69 168.4 27.8 41.8#

84 142.6 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 44.462 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049598.D

Acq: 01 Jul 2022 21:42

Instrument :

MSVOA_U

ClientSampleId :

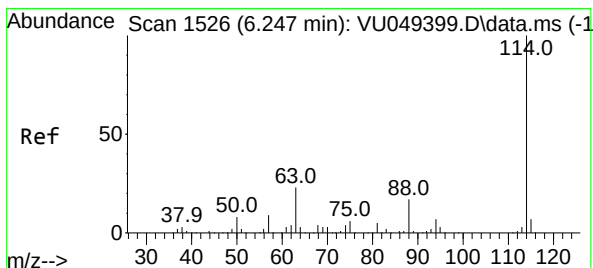
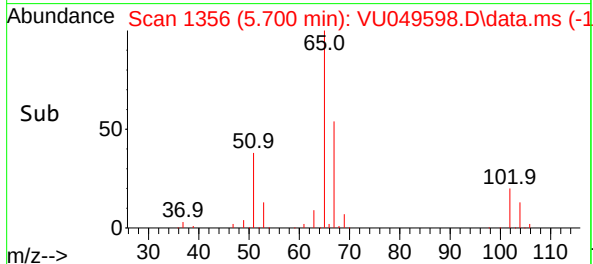
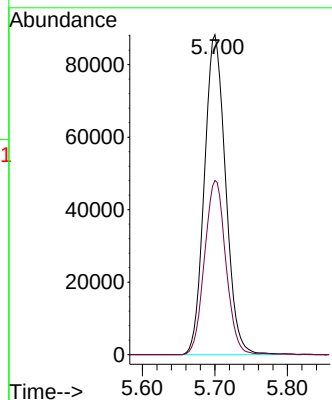
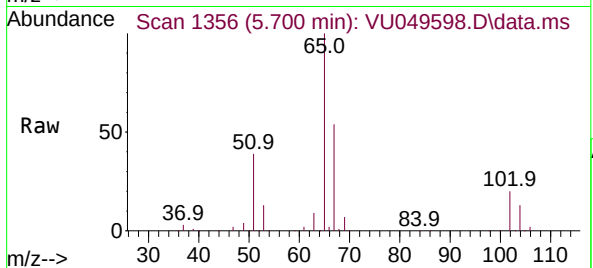
WC-16-2-3-GR

Tgt Ion: 65 Resp: 179364

Ion Ratio Lower Upper

65 100

67 54.6 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: VU049598.D

Acq: 01 Jul 2022 21:42

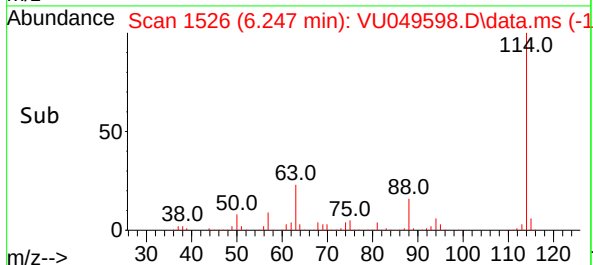
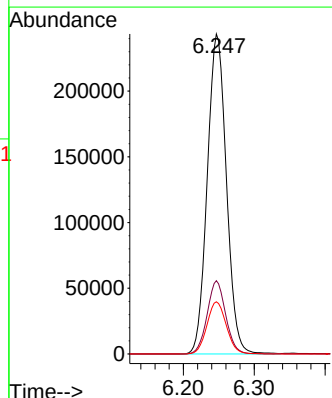
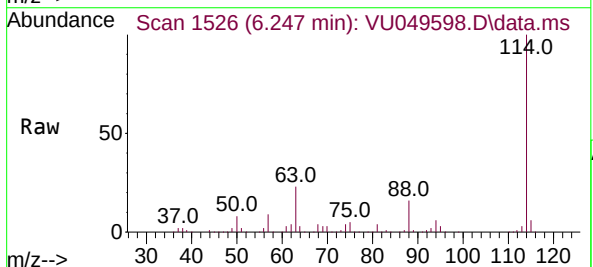
Tgt Ion: 114 Resp: 456394

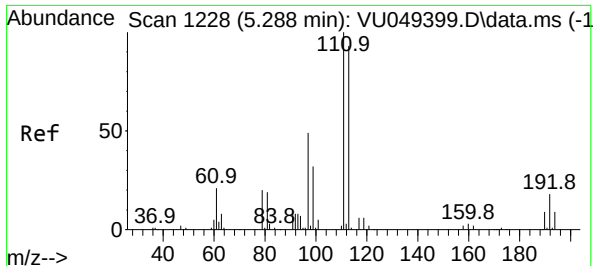
Ion Ratio Lower Upper

114 100

63 22.9 0.0 37.8

88 16.3 0.0 29.2





#35

Dibromofluoromethane

Concen: 45.872 ug/l

RT: 5.288 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049598.D

Acq: 01 Jul 2022 21:42

Instrument :

MSVOA_U

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WC-16-2-3-GR

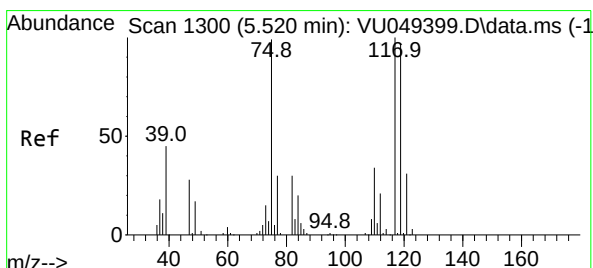
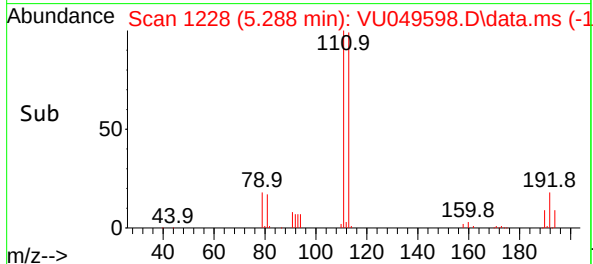
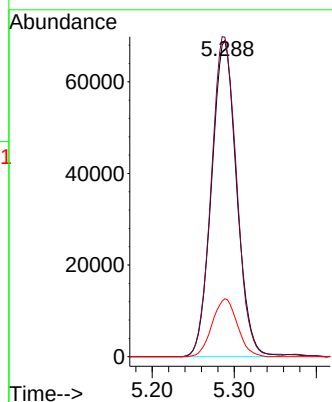
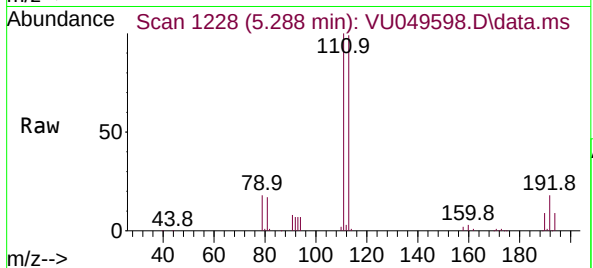
Tgt Ion:113 Resp: 146470

Ion Ratio Lower Upper

113 100

111 102.2 82.1 123.1

192 18.5 18.0 27.0



#36

1,1-Dichloropropene

Concen: 4.730 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.151 min

Lab File: VU049598.D

Acq: 01 Jul 2022 21:42

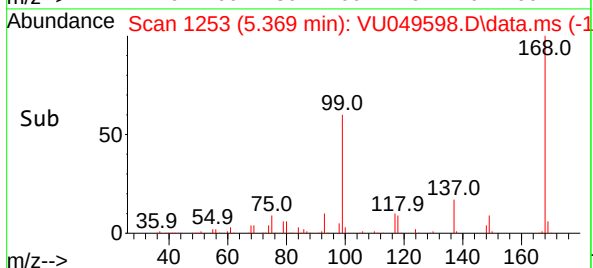
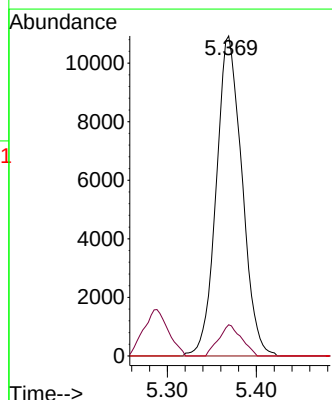
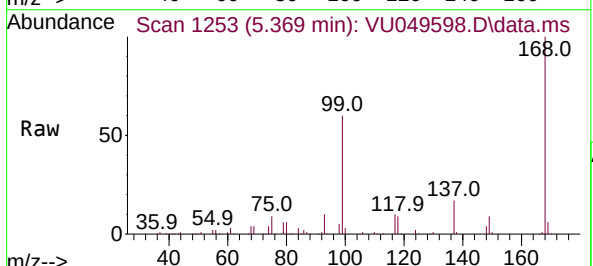
Tgt Ion: 75 Resp: 21899

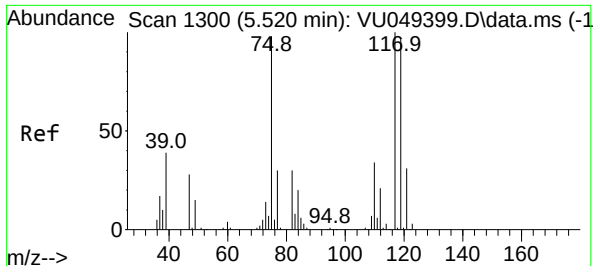
Ion Ratio Lower Upper

75 100

110 8.6 18.4 55.2#

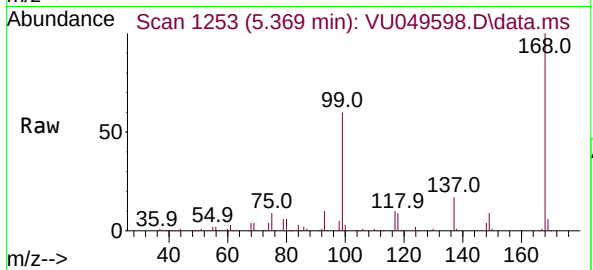
77 0.0 25.1 37.7#



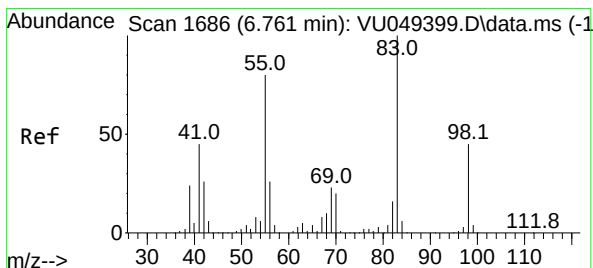
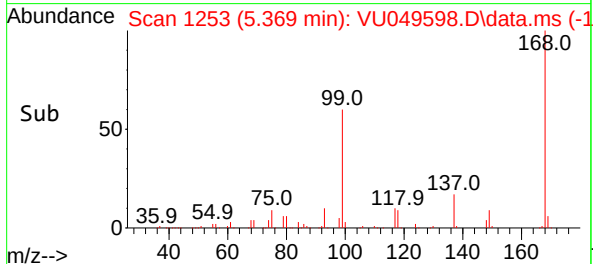
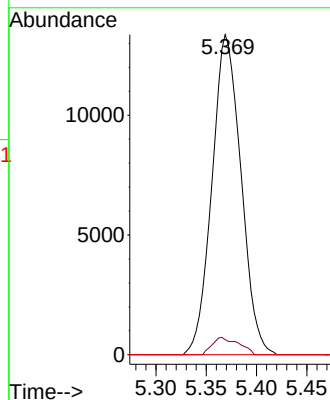


#38
Carbon Tetrachloride
Concen: 5.527 ug/l
RT: 5.369 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-3-GR

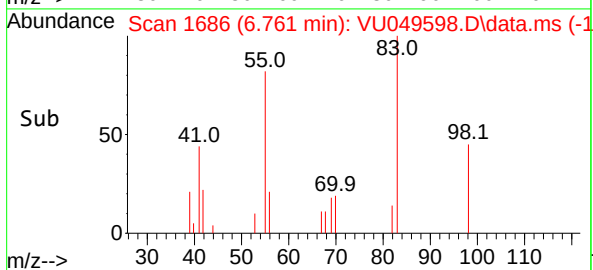
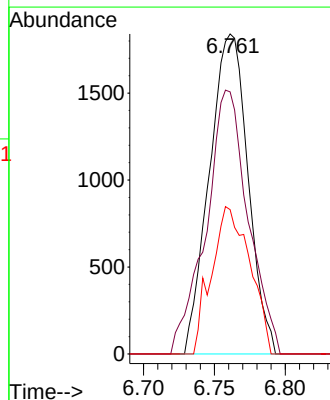
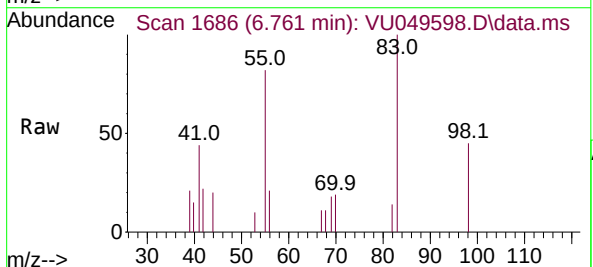


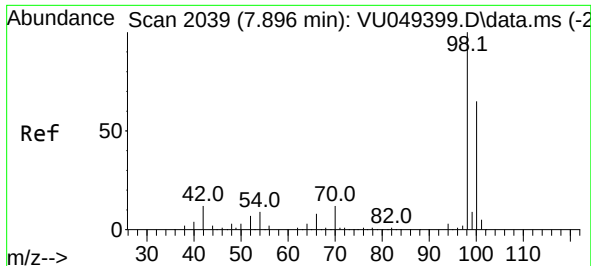
Tgt Ion:117 Resp: 26837
Ion Ratio Lower Upper
117 100
119 4.7 76.8 115.2#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 0.630 ug/l
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

Tgt Ion: 83 Resp: 3496
Ion Ratio Lower Upper
83 100
55 81.9 55.3 82.9
98 45.1 37.3 55.9

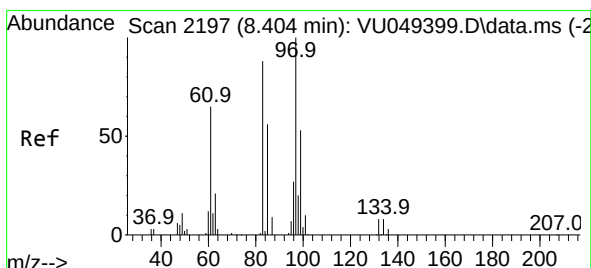
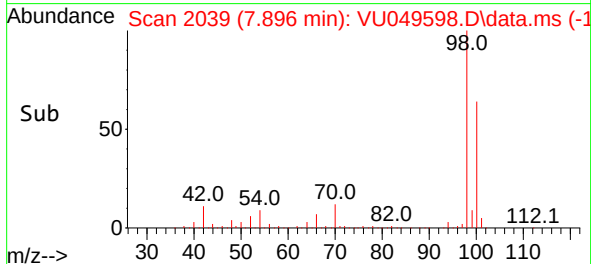
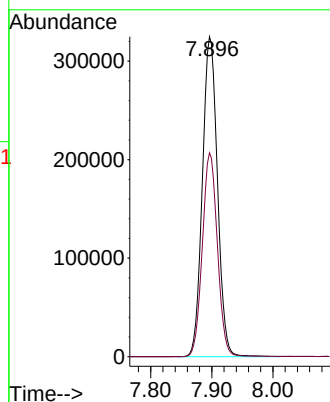
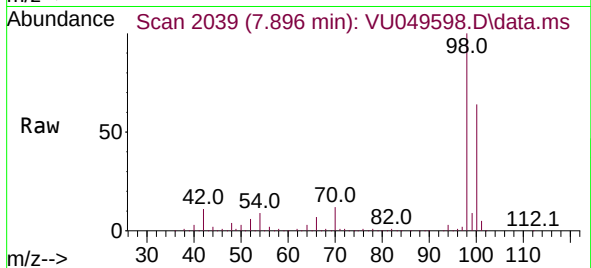




#50
Toluene-d8
Concen: 48.868 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

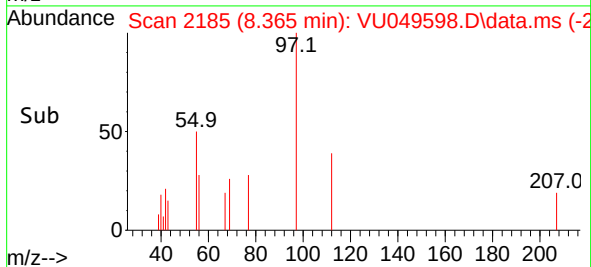
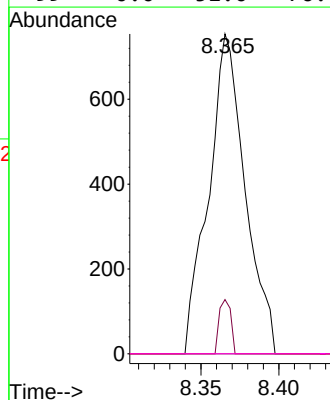
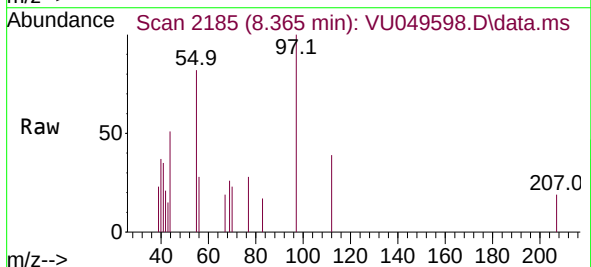
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-3-GR

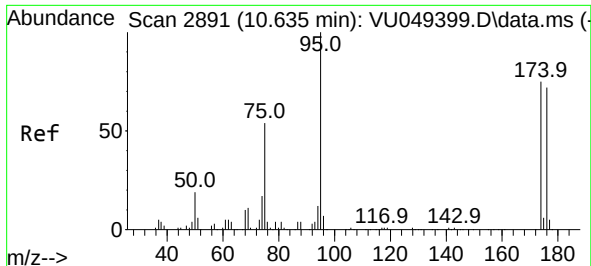
Tgt Ion: 98 Resp: 556541
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#55
1,1,2-Trichloroethane
Concen: 0.357 ug/l
RT: 8.365 min Scan# 2185
Delta R.T. -0.039 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

Tgt Ion: 97 Resp: 1226
Ion Ratio Lower Upper
97 100
83 17.0 70.2 105.4#
85 0.0 44.6 66.8#
99 0.0 51.0 76.6#

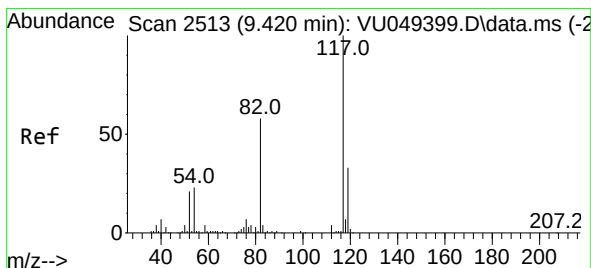
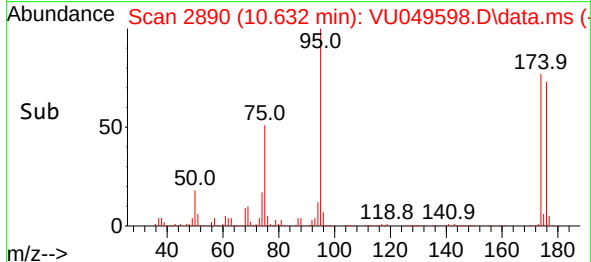
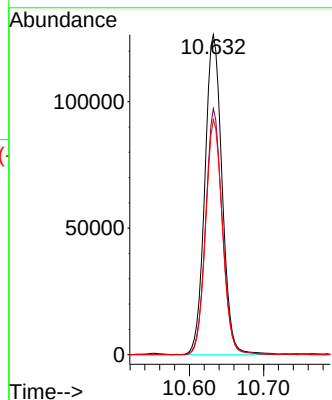
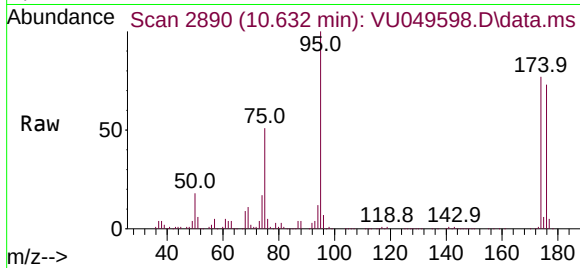




#62
4-Bromofluorobenzene
Concen: 46.776 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

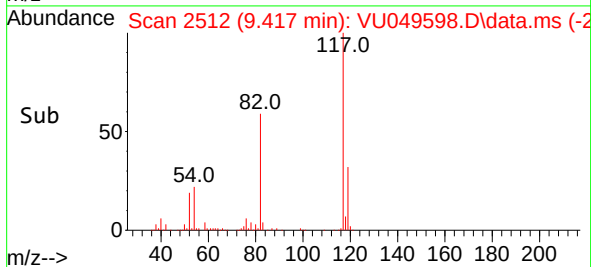
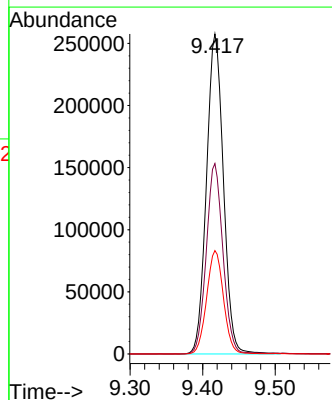
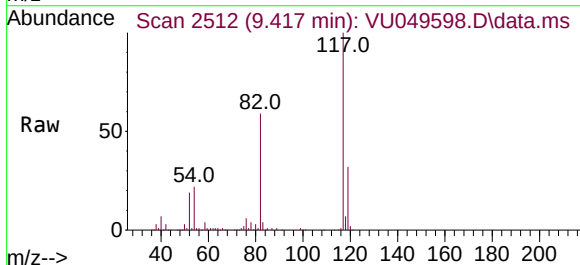
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-3-GR

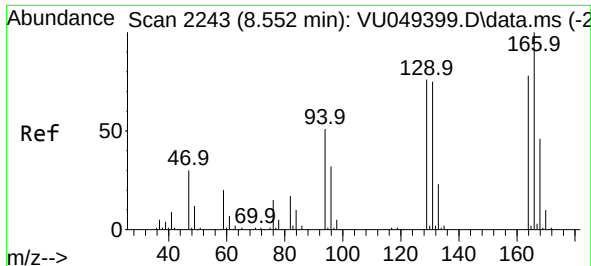
Tgt Ion: 95 Resp: 204069
Ion Ratio Lower Upper
95 100
174 74.3 0.0 182.0
176 71.9 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

Tgt Ion: 117 Resp: 418091
Ion Ratio Lower Upper
117 100
82 59.5 41.7 62.5
119 32.3 25.7 38.5



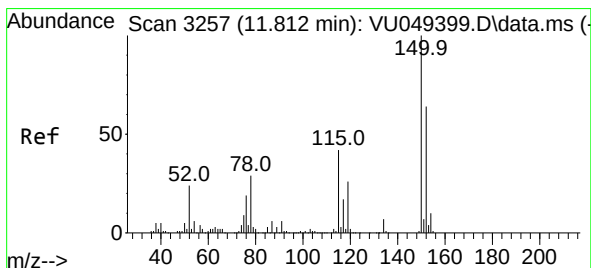
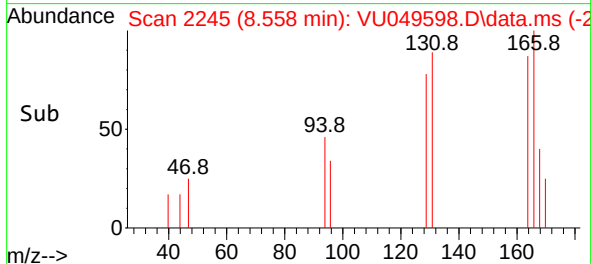
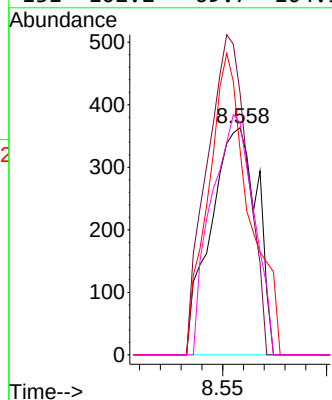
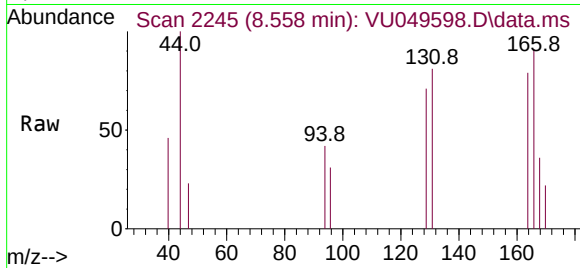


#64
Tetrachloroethene
Concen: 0.211 ug/l
RT: 8.558 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-3-GR

Tgt Ion:164 Resp: 567

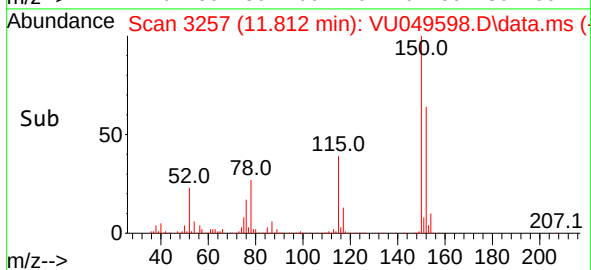
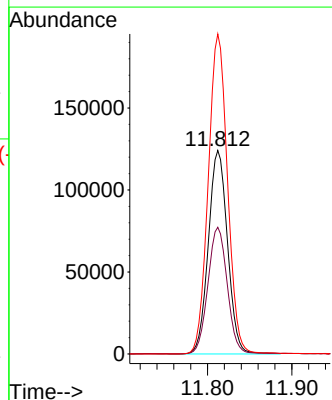
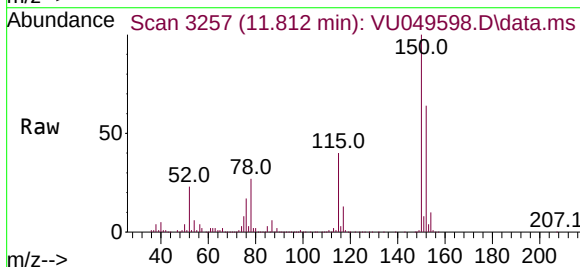
Ion	Ratio	Lower	Upper
164	100		
166	115.4	100.0	150.0
129	90.4	72.0	108.0
131	102.2	69.7	104.5

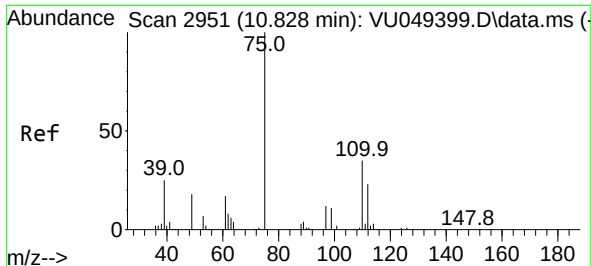


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. -0.000 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

Tgt Ion:152 Resp: 196574

Ion	Ratio	Lower	Upper
152	100		
115	62.5	37.0	110.9
150	157.5	0.0	342.2

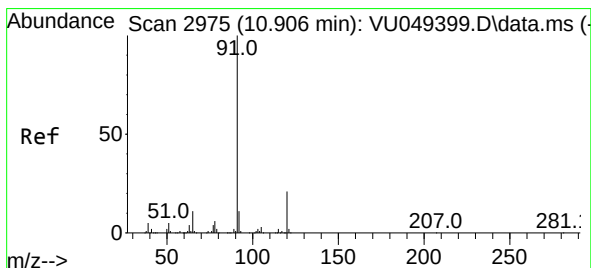
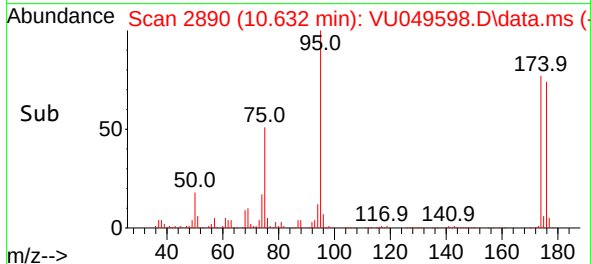
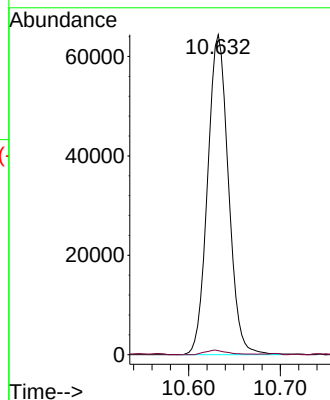
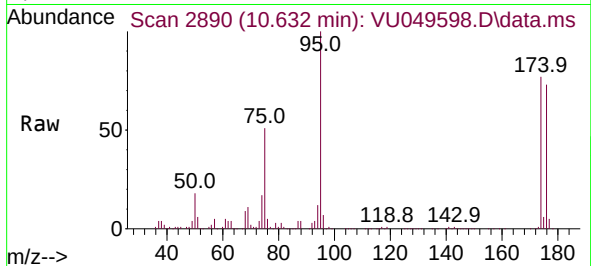




#76
1,2,3-Trichloropropane
Concen: 15.245 ug/l
RT: 10.632 min Scan# 2951
Delta R.T. -0.196 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

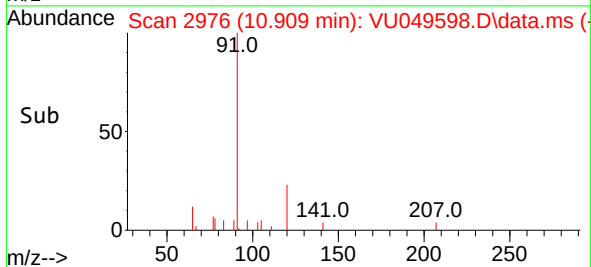
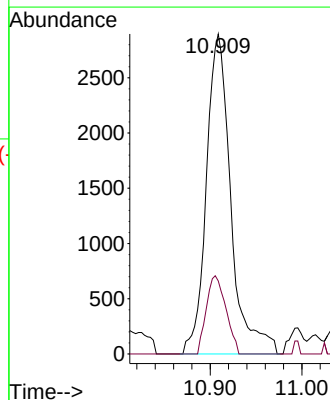
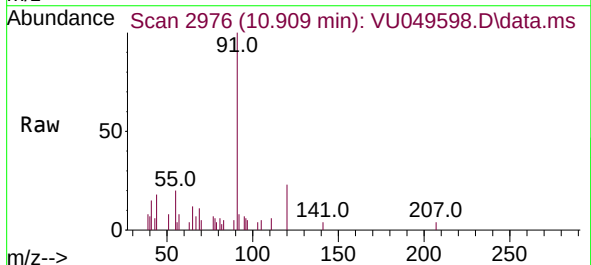
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-3-GR

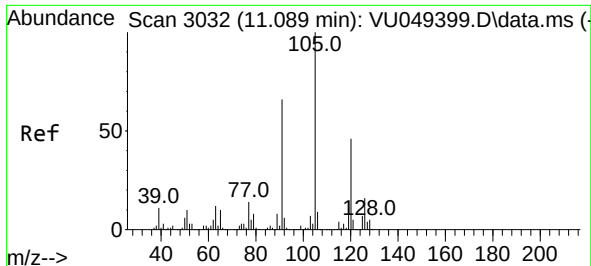
Tgt Ion: 75 Resp: 101586
Ion Ratio Lower Upper
75 100
77 1.6 15.8 47.3#



#78
n-propylbenzene
Concen: 0.316 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. 0.003 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

Tgt Ion: 91 Resp: 5381
Ion Ratio Lower Upper
91 100
120 19.4 11.9 35.5

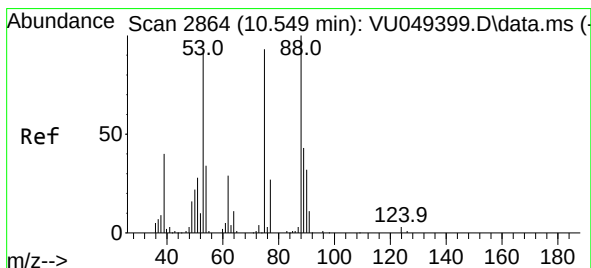
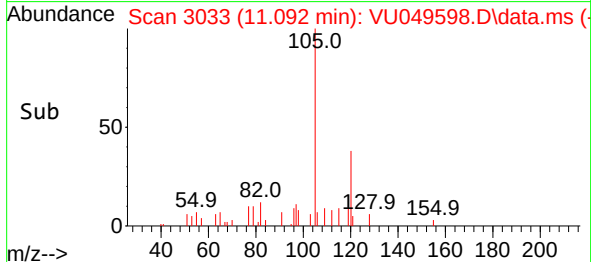
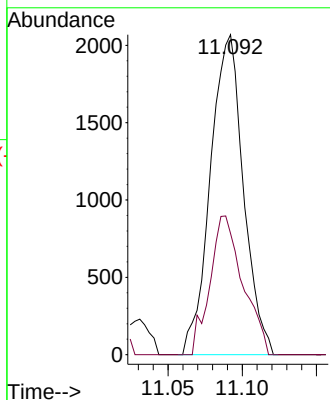
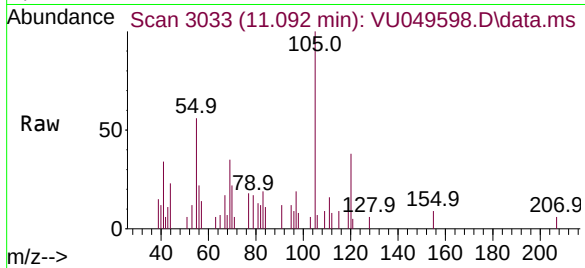




#80
1,3,5-Trimethylbenzene
Concen: 0.262 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.003 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

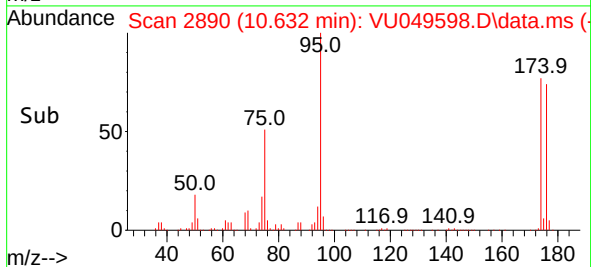
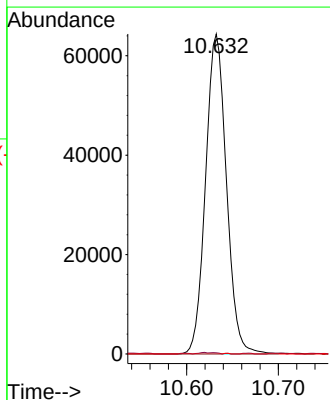
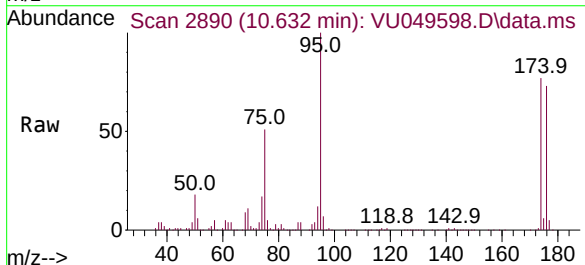
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-3-GR

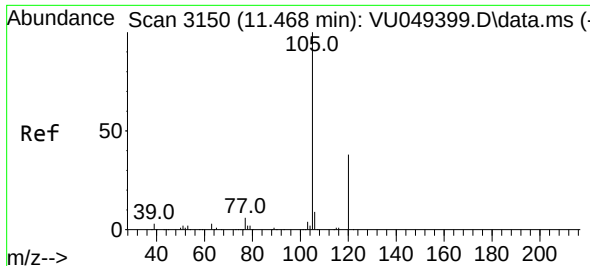
Tgt Ion:105 Resp: 3203
Ion Ratio Lower Upper
105 100
120 43.3 25.3 75.9



#81
trans-1,4-Dichloro-2-butene
Concen: 56.297 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

Tgt Ion: 75 Resp: 101586
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#

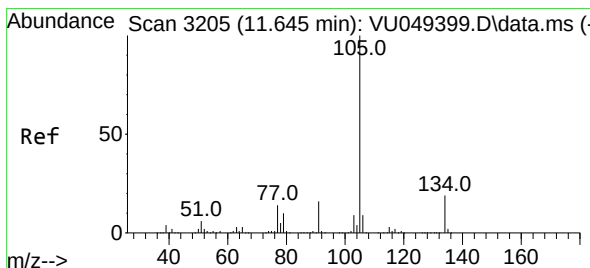
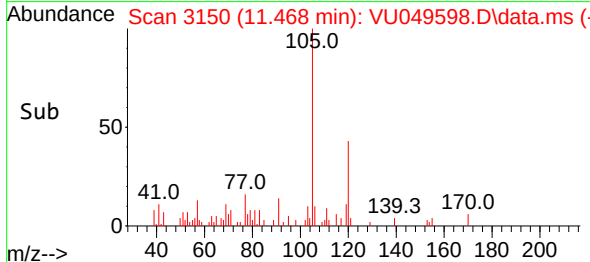
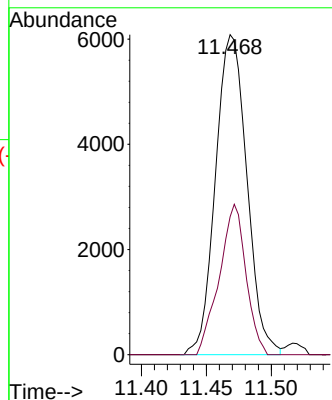
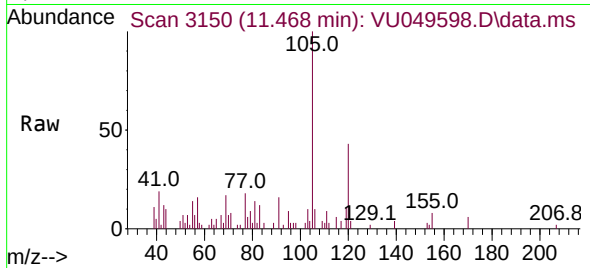




#84
1,2,4-Trimethylbenzene
Concen: 0.850 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

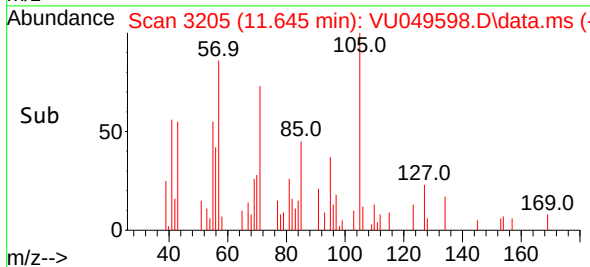
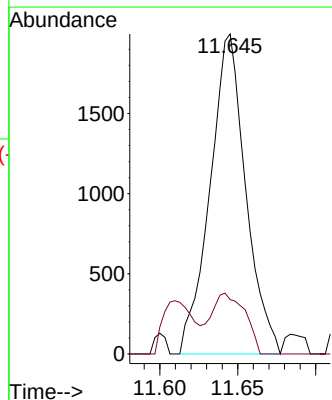
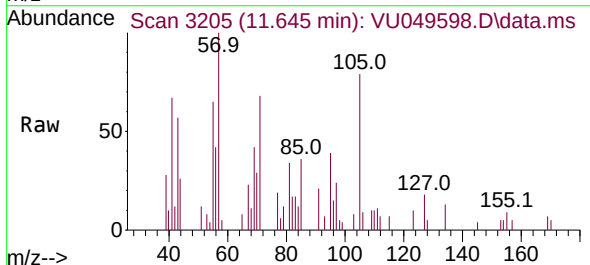
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-3-GR

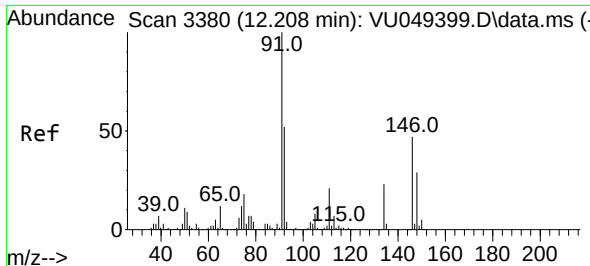
Tgt Ion:105 Resp: 10211
Ion Ratio Lower Upper
105 100
120 39.9 23.4 70.3



#85
sec-Butylbenzene
Concen: 0.210 ug/l
RT: 11.645 min Scan# 3205
Delta R.T. 0.000 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

Tgt Ion:105 Resp: 3181
Ion Ratio Lower Upper
105 100
134 18.3 10.4 31.1

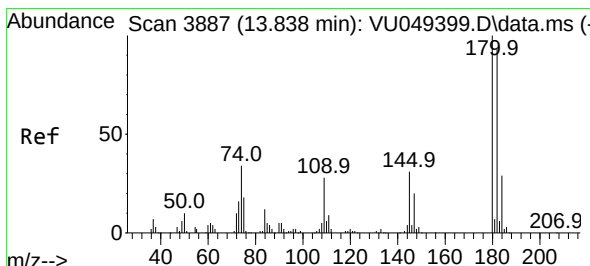
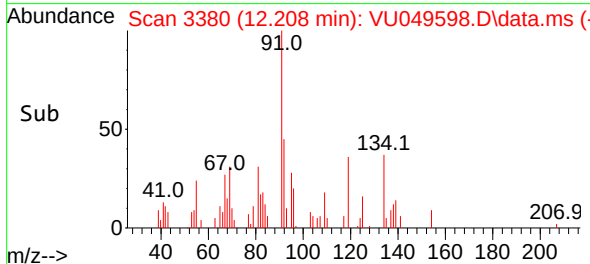
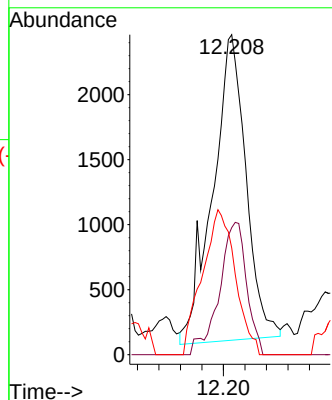
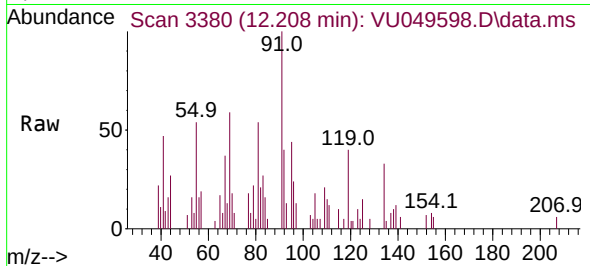




#89
n-Butylbenzene
Concen: 0.446 ug/l
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

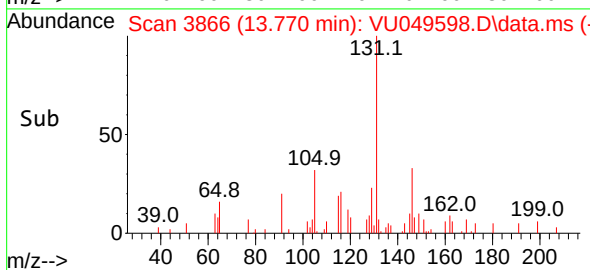
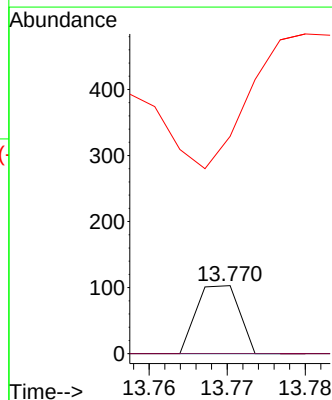
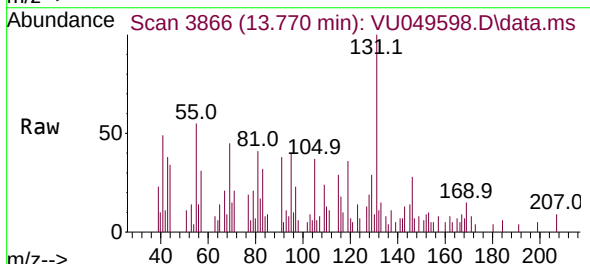
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-3-GR

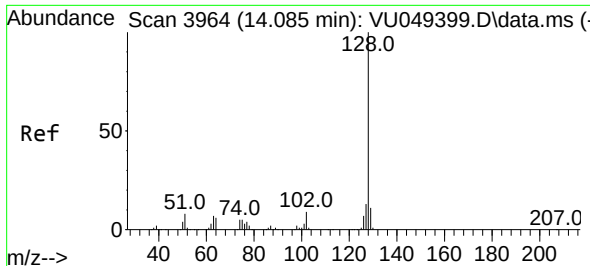
Tgt Ion:	91	Resp:	5045
Ion Ratio	Lower	Upper	
91	100		
92	35.5	26.2	78.6
134	47.1	13.5	40.4



#93
1,2,4-Trichlorobenzene
Concen: 1.762 ug/l
RT: 13.770 min Scan# 3866
Delta R.T. -0.068 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

Tgt Ion:	180	Resp:	39
Ion Ratio	Lower	Upper	
180	100		
182	0.0	47.9	143.6
145	859.0	14.0	41.9

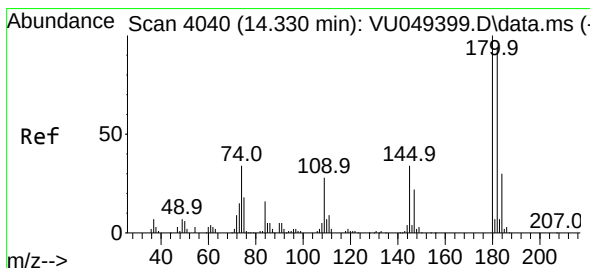
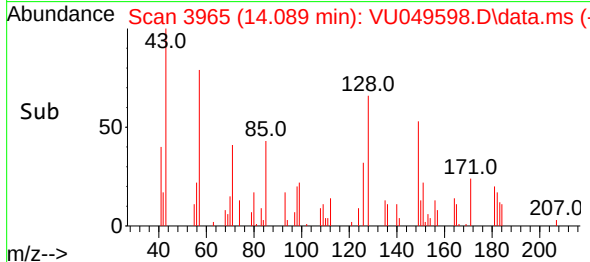
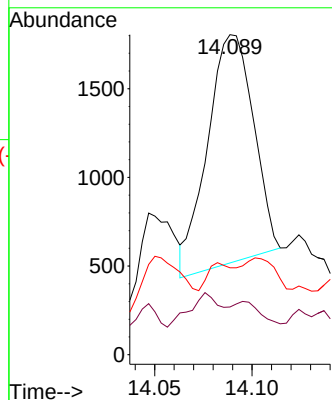
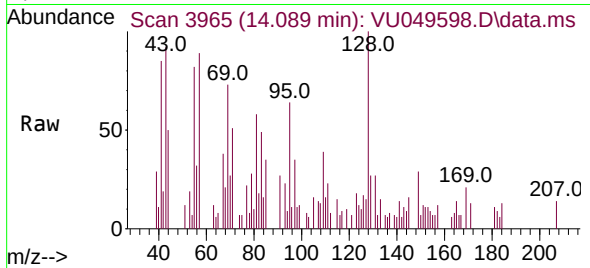




#95
Naphthalene
Concen: 1.869 ug/l
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-3-GR

Tgt Ion:128 Resp: 2125
Ion Ratio Lower Upper
128 100
127 9.5 10.3 15.5#
129 5.7 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.208 ug/l
RT: 14.317 min Scan# 4036
Delta R.T. -0.013 min
Lab File: VU049598.D
Acq: 01 Jul 2022 21:42

Tgt Ion:180 Resp: 142
Ion Ratio Lower Upper
180 100
182 160.6 48.4 145.0#
145 0.0 14.8 44.4#

