

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044965.D
 Acq On : 29 Sep 2021 01:21
 Operator : SY/MD
 Sample : M3451-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WC-20210924

Quant Time: Sep 29 05:50:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

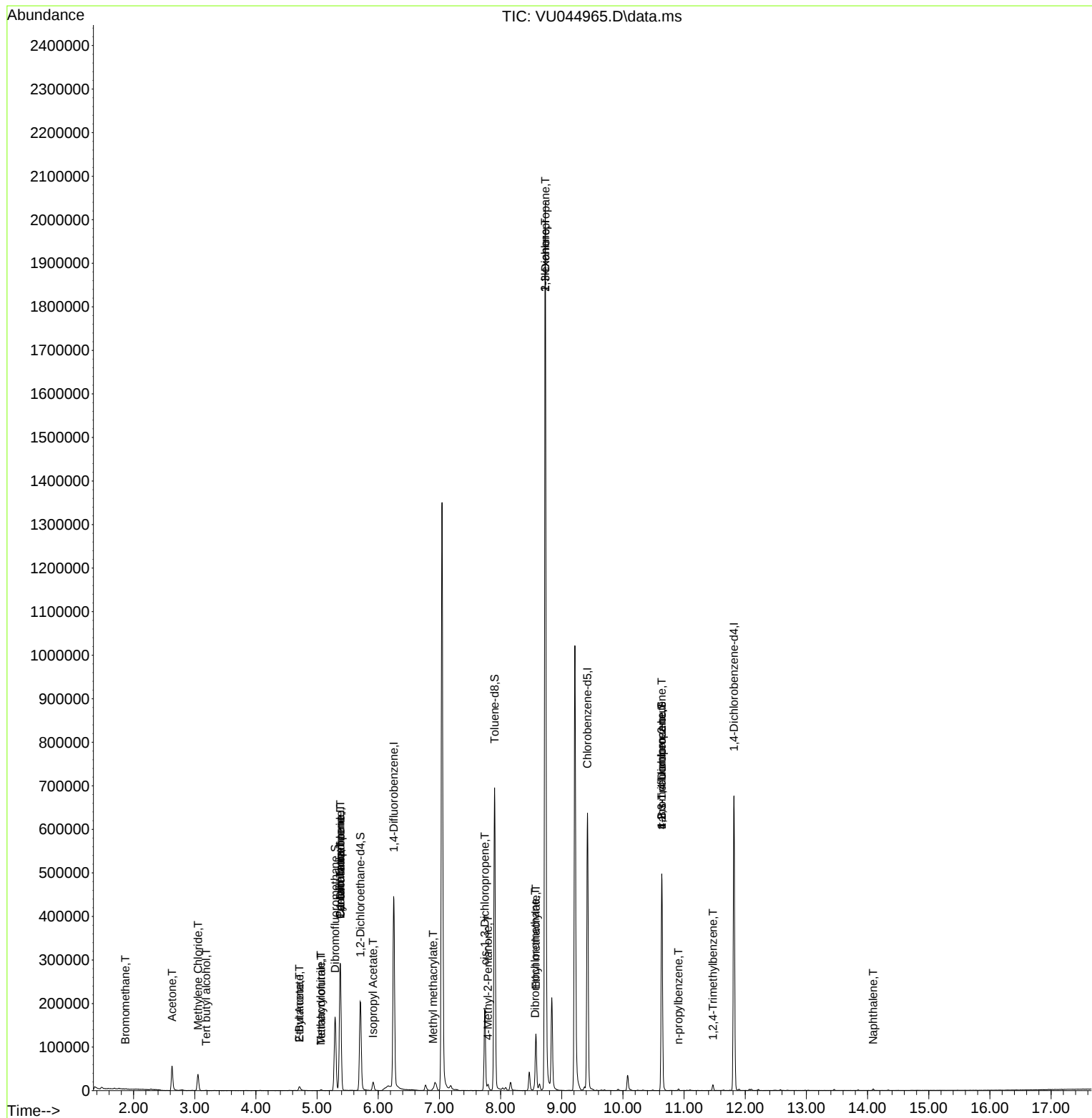
Internal Standards						
1) Pentafluorobenzene	5.378	168	190212	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	337939	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	333917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	160904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	156403	49.396	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.800%		
35) Dibromofluoromethane	5.295	113	108716	50.997	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.000%		
50) Toluene-d8	7.902	98	440939	52.348	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.700%		
62) 4-Bromofluorobenzene	10.636	95	164942	47.430	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.860%		
Target Compounds					Qvalue	
5) Bromomethane	1.867	94	306	0.256	ug/l #	70
11) Tert butyl alcohol	3.186	59	388	0.427	ug/l #	72
16) Acetone	2.629	43	65497	34.849	ug/l	97
20) Methylene Chloride	3.054	84	17597	6.216	ug/l	95
25) 2-Butanone	4.710	43	13986	5.238	ug/l	96
29) Tetrahydrofuran	5.067	42	1126	0.708	ug/l	89
31) Cyclohexane	5.378	56	4943	1.028	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	18228	5.158	ug/l #	49
37) Ethyl Acetate	4.710	43	13986	2.991	ug/l #	69
38) Carbon Tetrachloride	5.378	117	19661	6.429	ug/l #	15
41) Methacrylonitrile	5.063	41	582	0.242	ug/l #	33
43) Isopropyl Acetate	5.915	43	21123	3.003	ug/l	99
48) Methyl methacrylate	6.896	41	6529	1.907	ug/l #	14
49) 1,4-Dioxane	7.041	88	61	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.793	43	7924	1.547	ug/l	99
54) cis-1,3-Dichloropropene	7.742	75	32827	7.550	ug/l #	62
56) Ethyl methacrylate	8.578	69	696	1.947	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	22230	4.538	ug/l #	43
59) 2-Hexanone	8.729	43	298766	71.638	ug/l #	49
60) Dibromochloromethane	8.565	129	63	2.197	ug/l #	10
76) 1,2,3-Trichloropropane	10.636	75	87818	18.711	ug/l #	41
78) n-propylbenzene	10.909	91	2984	0.204	ug/l	91
81) trans-1,4-Dichloro-2-b...	10.636	75	87818	51.927	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.471	105	7785	0.750	ug/l	98
95) Naphthalene	14.092	128	3115	0.262	ug/l #	95

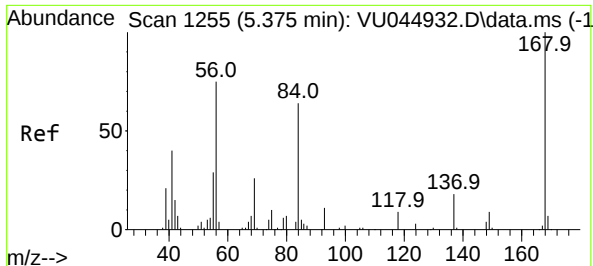
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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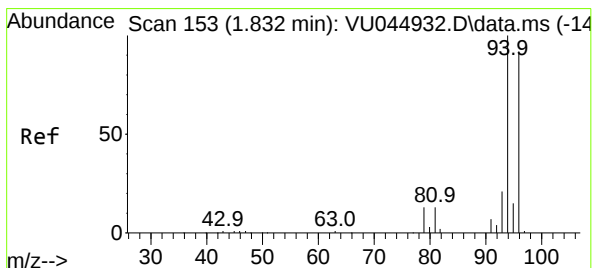
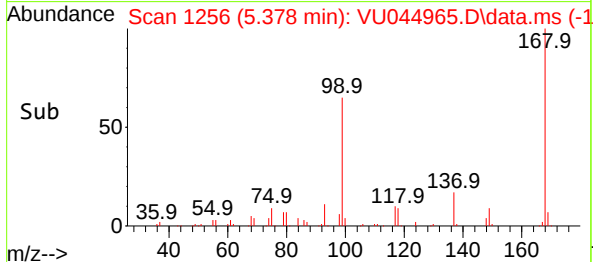
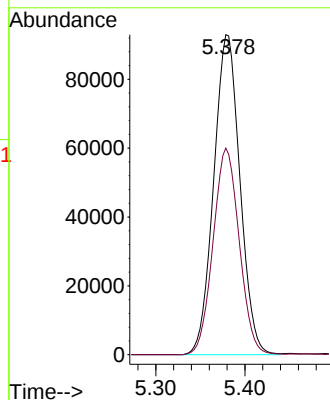
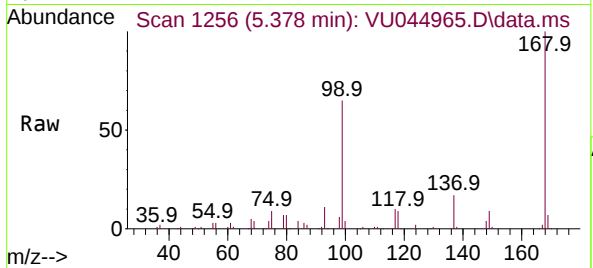




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU044965.D
Acq: 29 Sep 2021 01:21

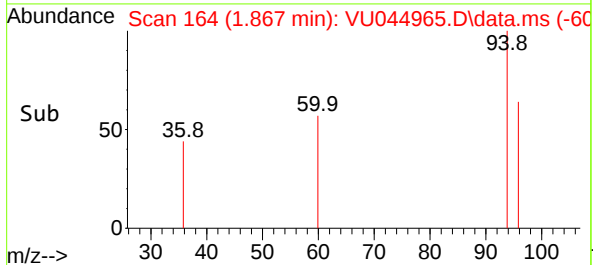
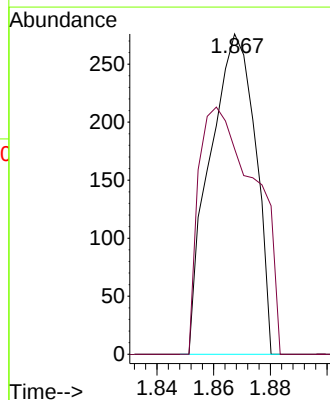
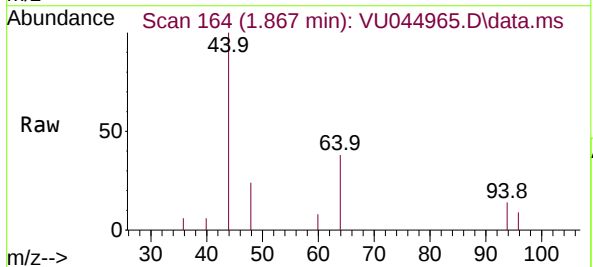
Instrument :
MSVOA_U
ClientSampleId :
WC-20210924

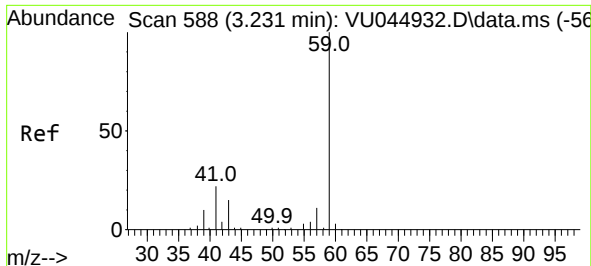
Tgt Ion:168 Resp: 190212
Ion Ratio Lower Upper
168 100
99 64.5 51.4 77.0



#5
Bromomethane
Concen: 0.256 ug/l
RT: 1.867 min Scan# 164
Delta R.T. 0.035 min
Lab File: VU044965.D
Acq: 29 Sep 2021 01:21

Tgt Ion: 94 Resp: 306
Ion Ratio Lower Upper
94 100
96 64.1 74.5 111.7#

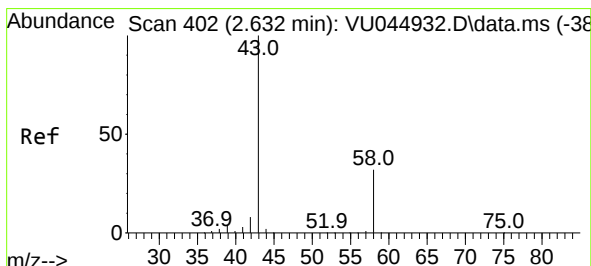
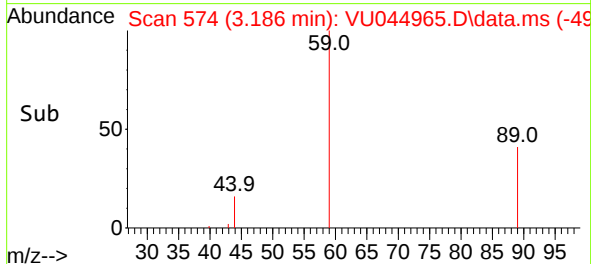
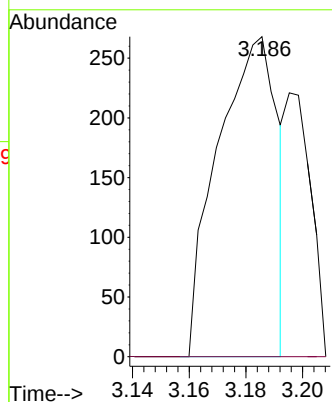
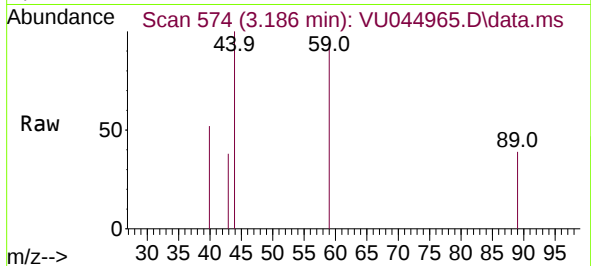




#11
Tert butyl alcohol
Concen: 0.427 ug/l
RT: 3.186 min Scan# 51
Delta R.T. -0.045 min
Lab File: VU044965.D
Acq: 29 Sep 2021 01:21

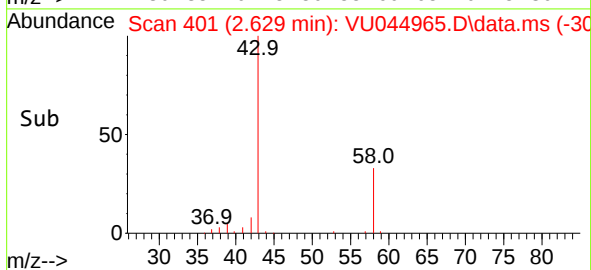
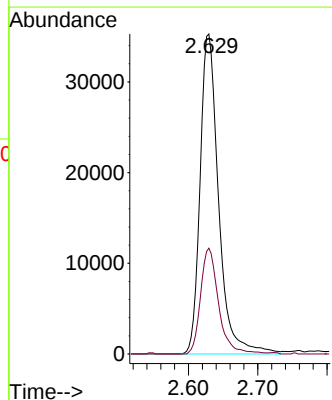
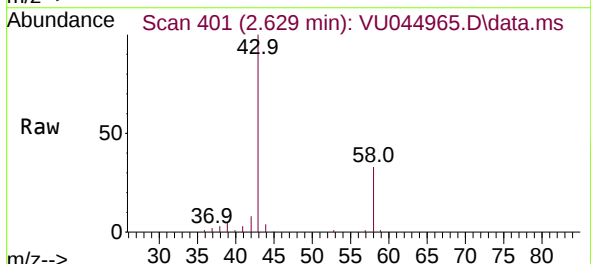
Instrument :
MSVOA_U
ClientSampleId :
WC-20210924

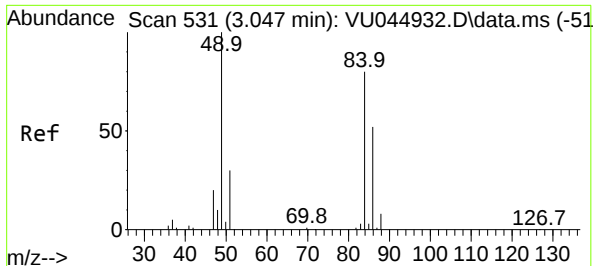
Tgt Ion: 59 Resp: 388
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 34.849 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU044965.D
Acq: 29 Sep 2021 01:21

Tgt Ion: 43 Resp: 65497
Ion Ratio Lower Upper
43 100
58 33.1 25.2 37.8

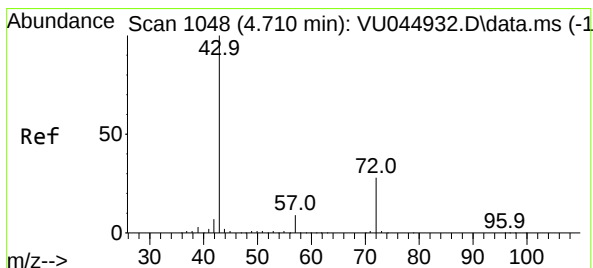
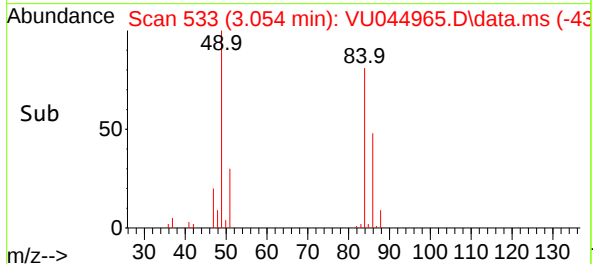
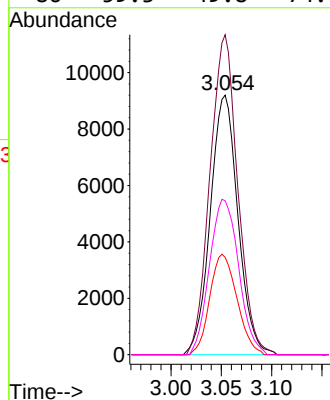
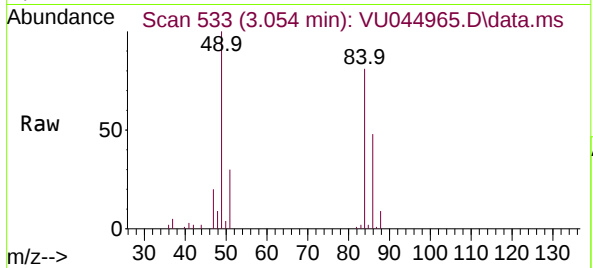




#20
Methylene Chloride
Concen: 6.216 ug/l
RT: 3.054 min Scan# 51
Delta R.T. 0.007 min
Lab File: VU044965.D
Acq: 29 Sep 2021 01:21

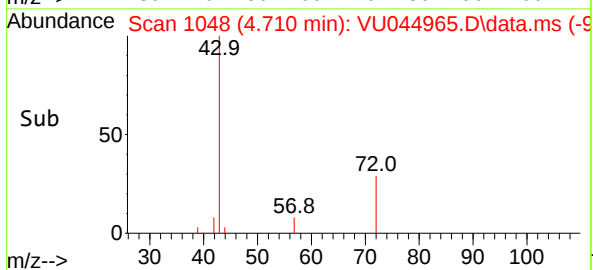
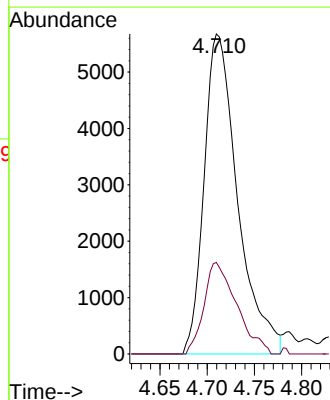
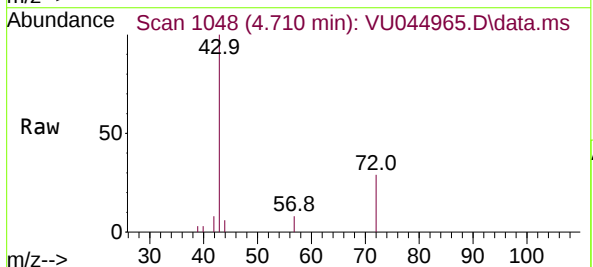
Instrument :
MSVOA_U
ClientSampleId :
WC-20210924

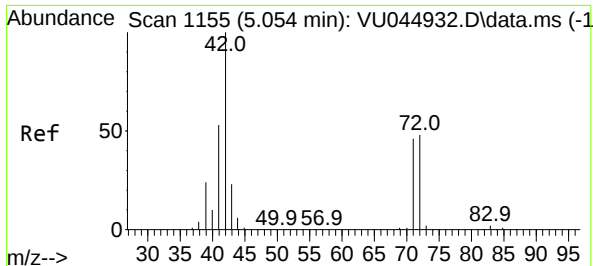
Tgt Ion:	84	Resp:	17597
Ion	Ratio	Lower	Upper
84	100		
49	123.3	104.9	157.3
51	37.5	31.8	47.8
86	59.3	49.8	74.6



#25
2-Butanone
Concen: 5.238 ug/l
RT: 4.710 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU044965.D
Acq: 29 Sep 2021 01:21

Tgt Ion:	43	Resp:	13986
Ion	Ratio	Lower	Upper
43	100		
72	28.6	21.3	31.9





#29

Tetrahydrofuran

Concen: 0.708 ug/l

RT: 5.067 min Scan# 1155

Delta R.T. 0.013 min

Lab File: VU044965.D

Acq: 29 Sep 2021 01:21

Instrument :

MSVOA_U

ClientSampleId :

WC-20210924

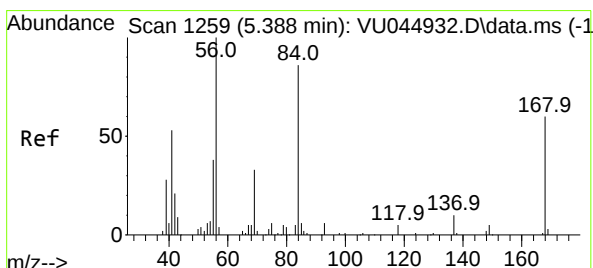
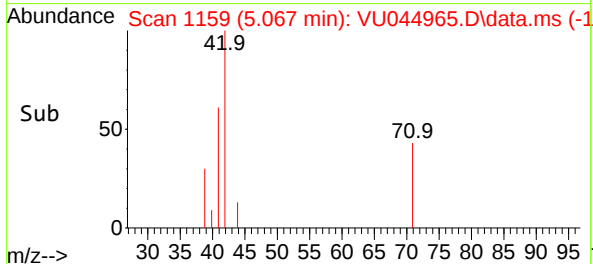
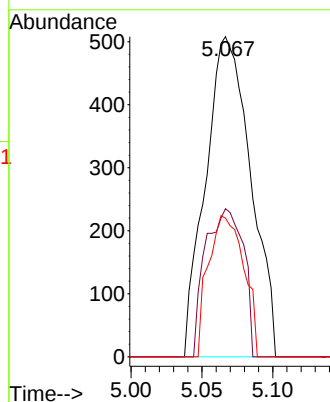
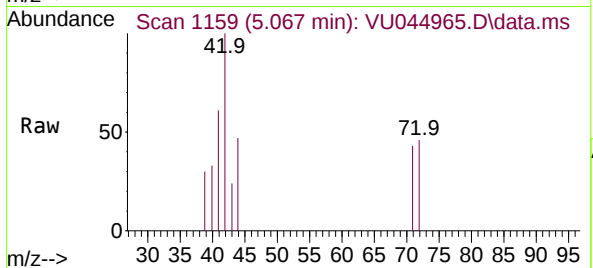
Tgt Ion: 42 Resp: 1126

Ion Ratio Lower Upper

42 100

72 38.7 36.2 54.4

71 34.6 34.1 51.1



#31

Cyclohexane

Concen: 1.028 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.010 min

Lab File: VU044965.D

Acq: 29 Sep 2021 01:21

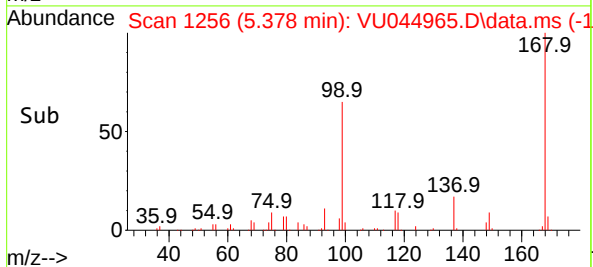
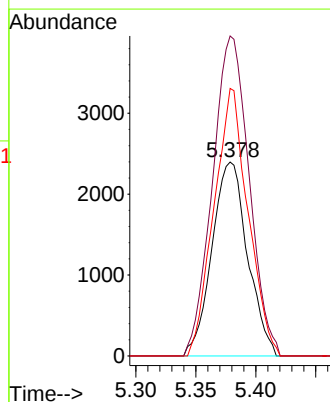
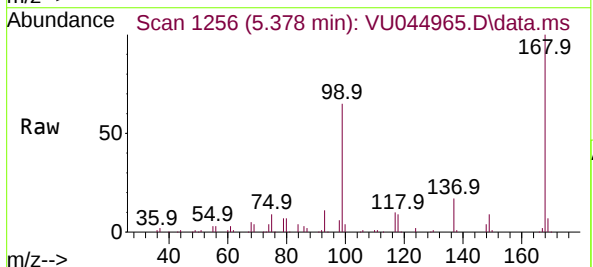
Tgt Ion: 56 Resp: 4943

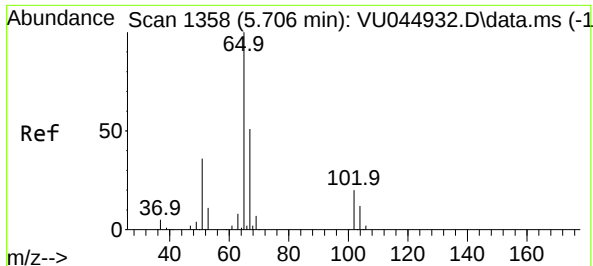
Ion Ratio Lower Upper

56 100

69 165.0 25.2 37.8#

84 137.9 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 49.396 ug/l

RT: 5.706 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU044965.D

Acq: 29 Sep 2021 01:21

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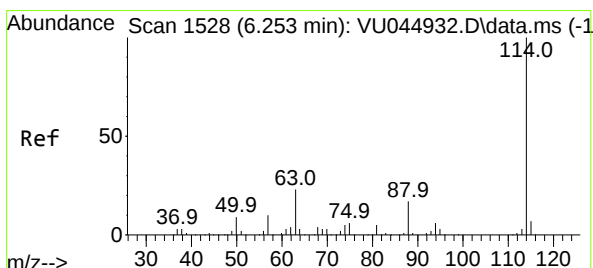
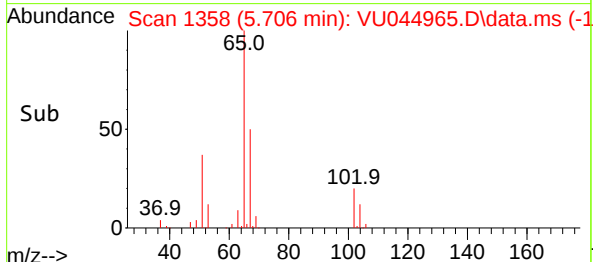
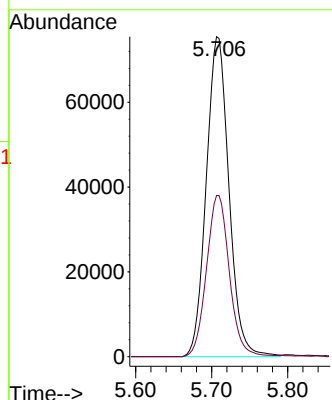
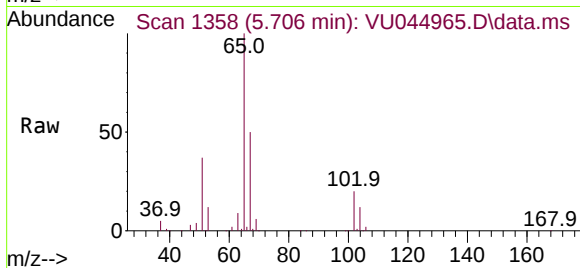
WC-20210924

Tgt Ion: 65 Resp: 156403

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. 0.000 min

Lab File: VU044965.D

Acq: 29 Sep 2021 01:21

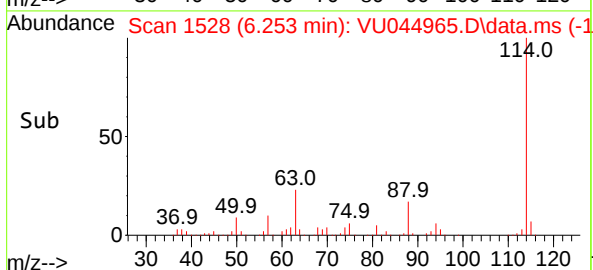
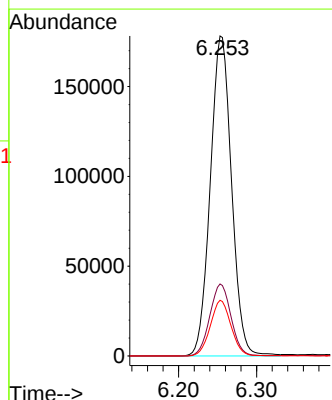
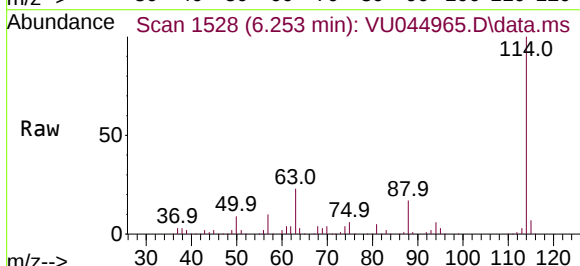
Tgt Ion: 114 Resp: 337939

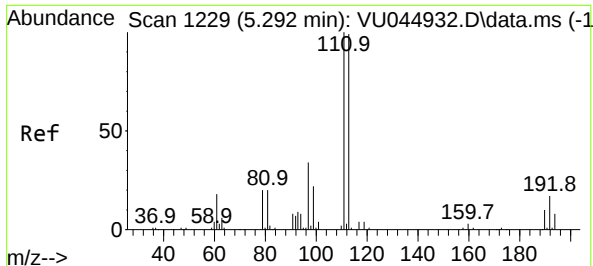
Ion Ratio Lower Upper

114 100

63 22.5 0.0 47.8

88 17.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.997 ug/l

RT: 5.295 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU044965.D

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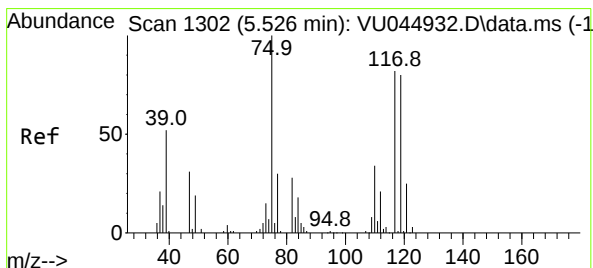
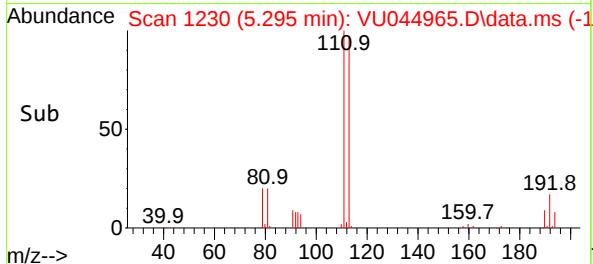
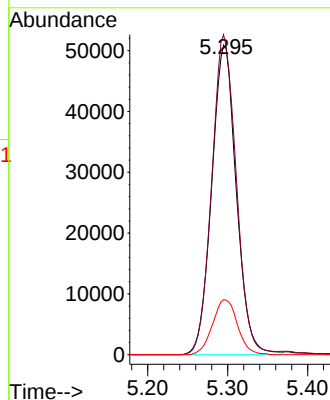
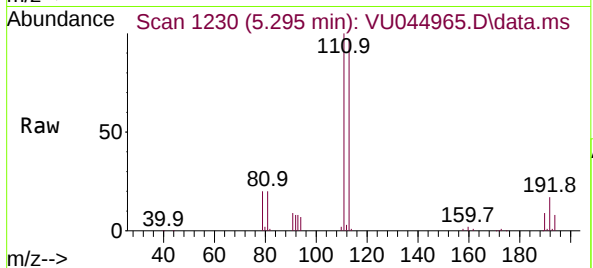
Tgt Ion:113 Resp: 108716

Ion Ratio Lower Upper

113 100

111 103.0 84.1 126.1

192 18.0 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.158 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.148 min

Lab File: VU044965.D

Acq: 29 Sep 2021 01:21

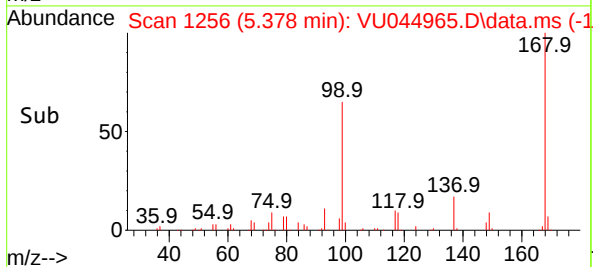
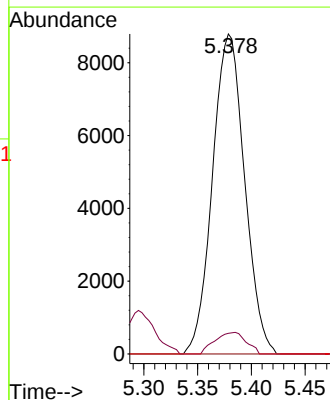
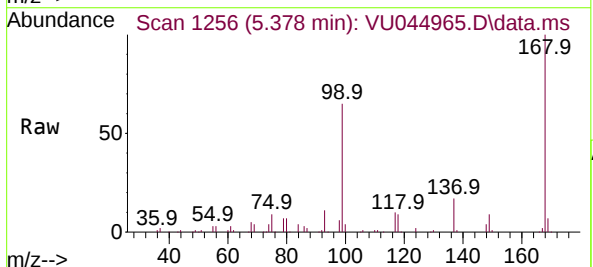
Tgt Ion: 75 Resp: 18228

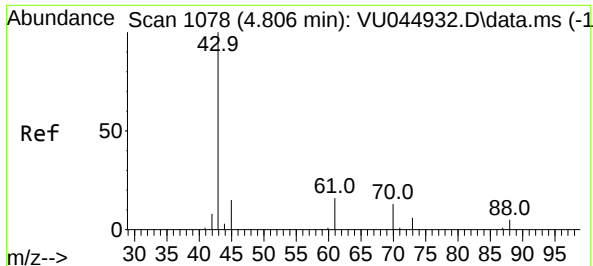
Ion Ratio Lower Upper

75 100

110 6.6 16.3 48.9#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 2.991 ug/l

RT: 4.710 min Scan# 1048

Delta R.T. -0.096 min

Lab File: VU044965.D

Acq: 29 Sep 2021 01:21

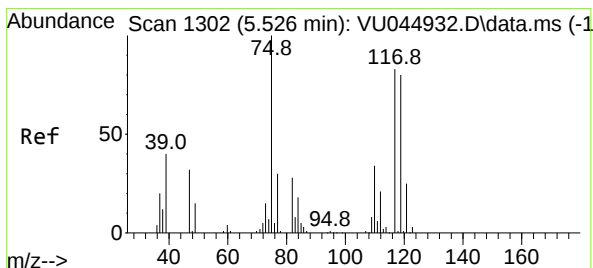
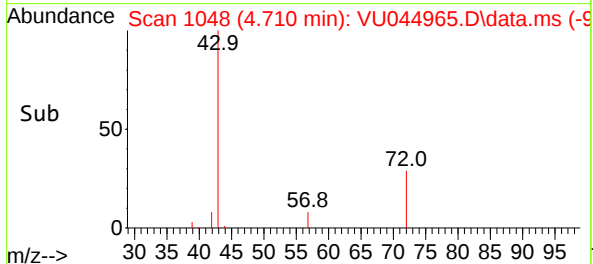
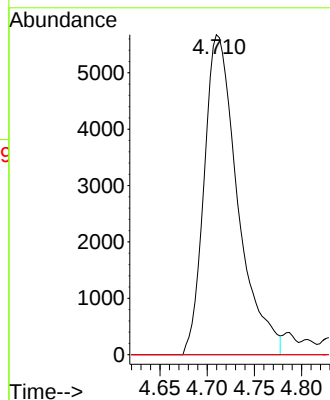
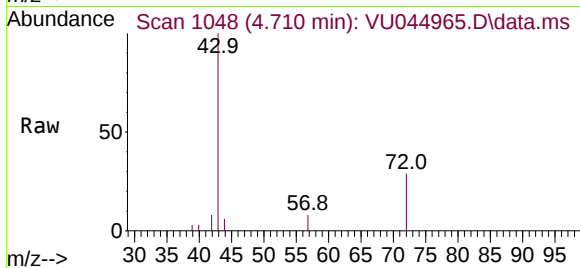
Instrument :

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Tgt Ion:	43	Resp:	13986
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#



#38

Carbon Tetrachloride

Concen: 6.429 ug/l

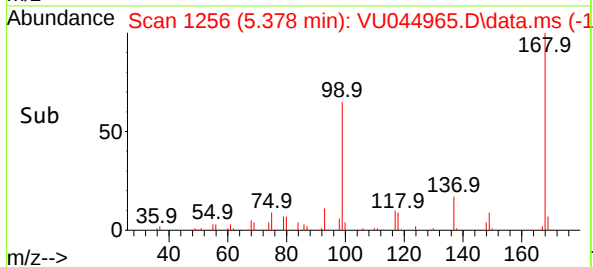
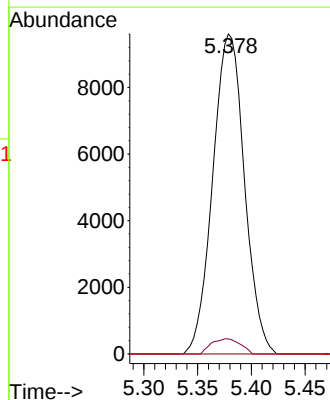
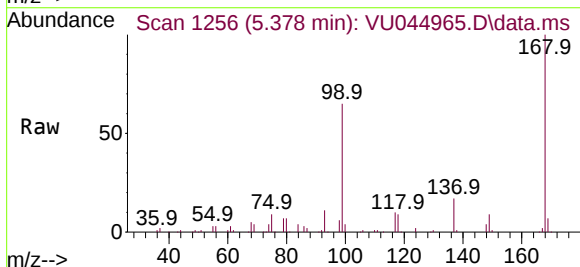
RT: 5.378 min Scan# 1256

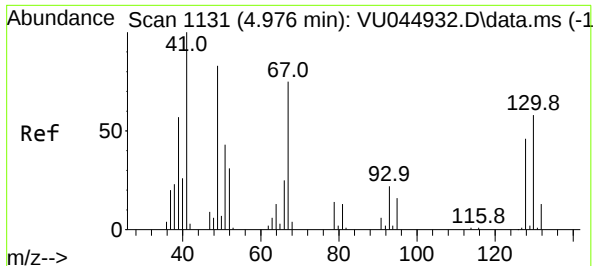
Delta R.T. -0.148 min

Lab File: VU044965.D

Acq: 29 Sep 2021 01:21

Tgt Ion:	117	Resp:	19661
Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.4	116.2#
121	0.0	24.5	36.7#





#41

Methacrylonitrile

Concen: 0.242 ug/l

RT: 5.063 min Scan# 1158

Delta R.T. 0.087 min

Lab File: VU044965.D

Acq: 29 Sep 2021 01:21

Instrument :

MSVOA_U

ClientSampleId :

WC-20210924

Tgt Ion: 41 Resp: 582

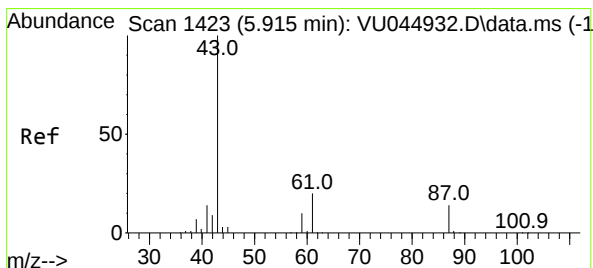
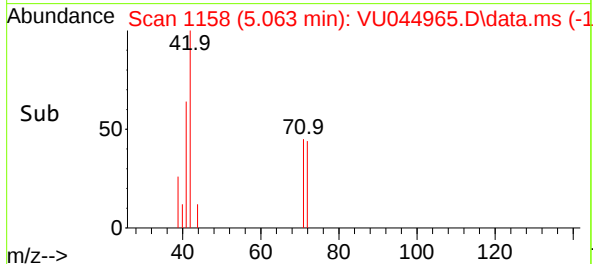
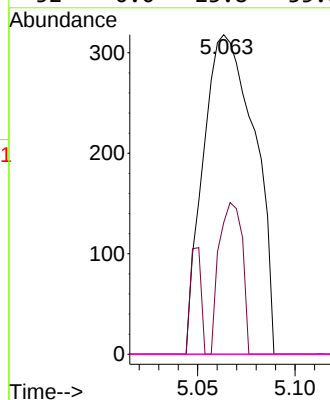
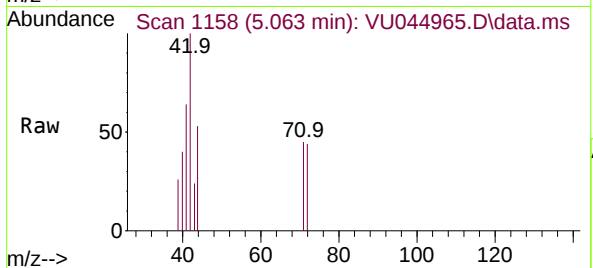
Ion Ratio Lower Upper

41 100

39 21.3 44.4 66.6#

67 0.0 58.1 87.1#

52 0.0 23.8 35.8#



#43

Isopropyl Acetate

Concen: 3.003 ug/l

RT: 5.915 min Scan# 1423

Delta R.T. 0.000 min

Lab File: VU044965.D

Acq: 29 Sep 2021 01:21

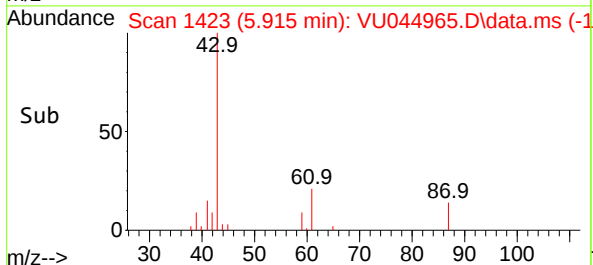
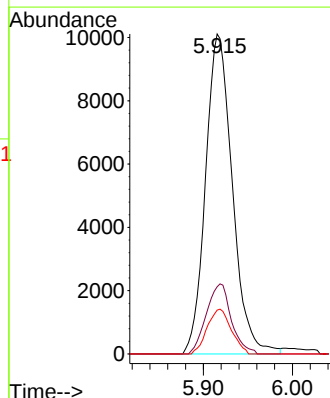
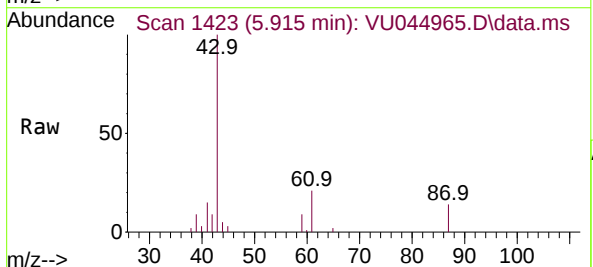
Tgt Ion: 43 Resp: 21123

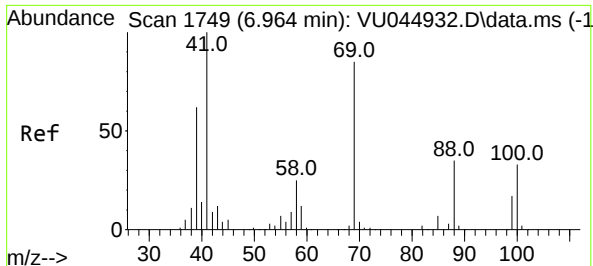
Ion Ratio Lower Upper

43 100

61 20.4 16.1 24.1

87 12.6 10.3 15.5

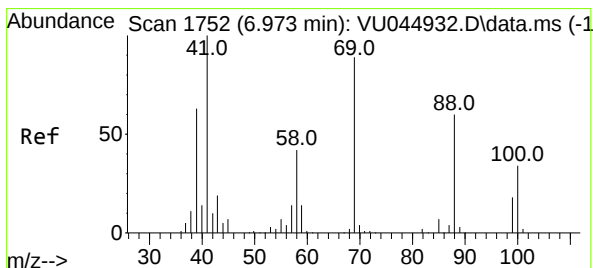
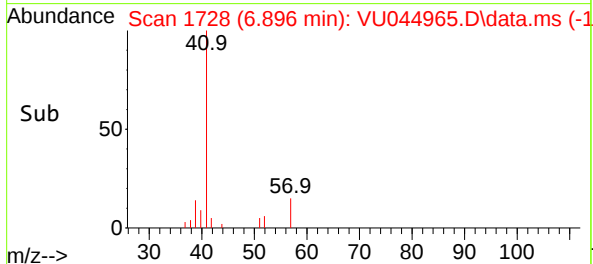
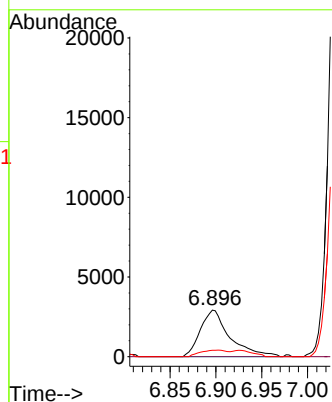
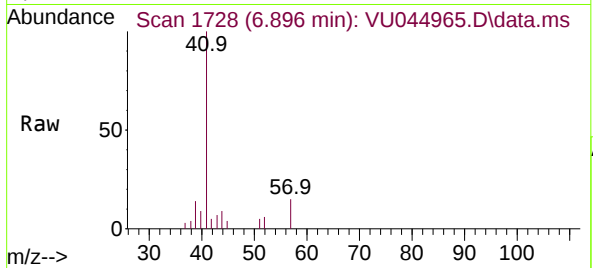




#48
Methyl methacrylate
Concen: 1.907 ug/l
RT: 6.896 min Scan# 11
Delta R.T. -0.068 min
Lab File: VU044965.D
Acq: 29 Sep 2021 01:21

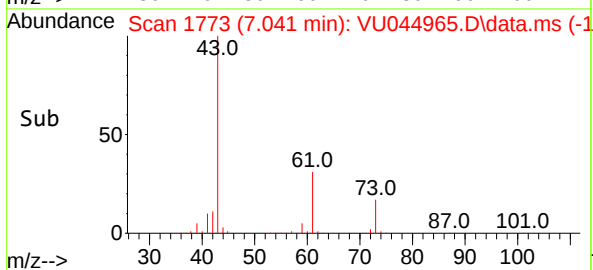
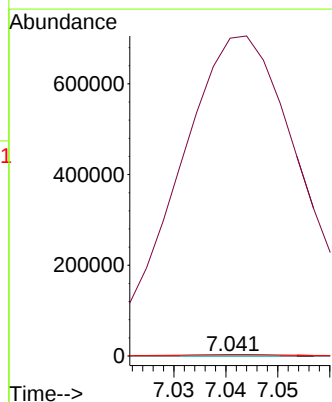
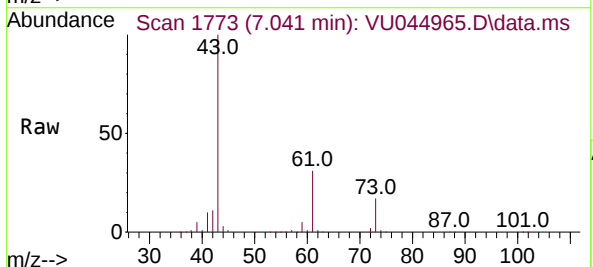
Instrument :
MSVOA_U
ClientSampleId :
WC-20210924

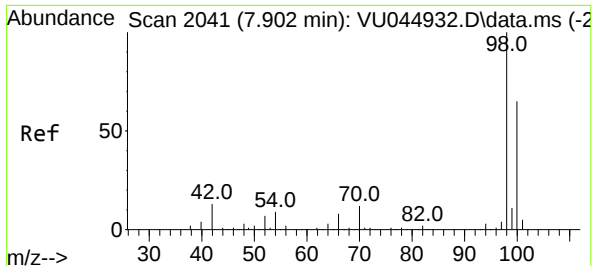
Tgt Ion: 41 Resp: 6529
Ion Ratio Lower Upper
41 100
69 0.0 65.6 98.4#
39 0.0 46.2 69.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.041 min Scan# 1773
Delta R.T. 0.068 min
Lab File: VU044965.D
Acq: 29 Sep 2021 01:21

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 2057783.6 25.8 38.6#
58 8985.2 61.3 91.9#

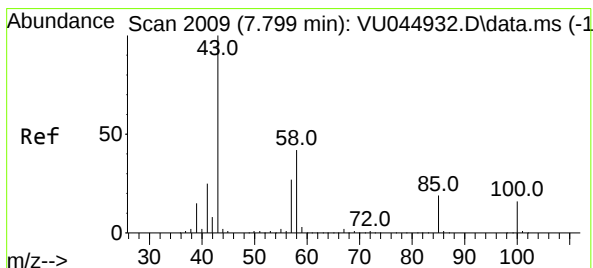
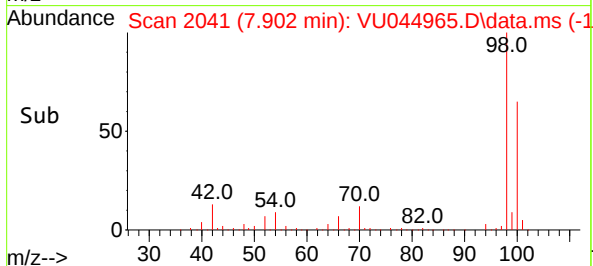
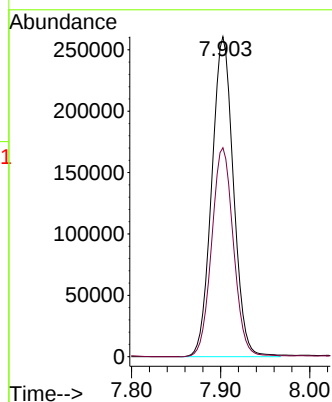
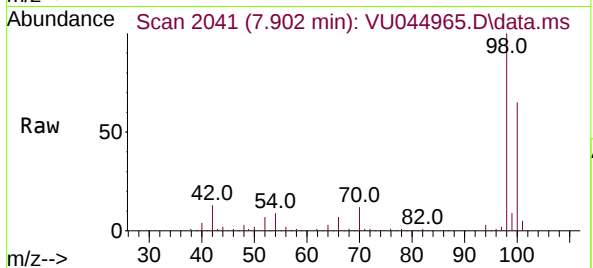




#50
Toluene-d8
Concen: 52.348 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU044965.D
Acq: 29 Sep 2021 01:21

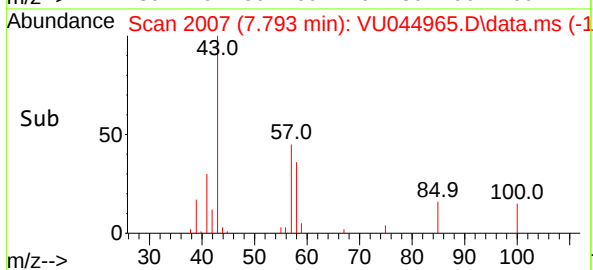
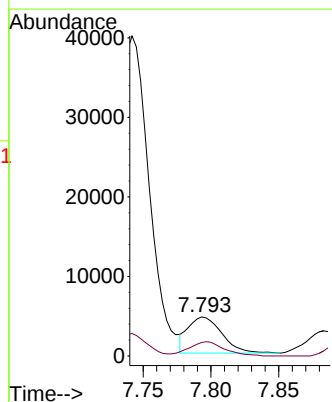
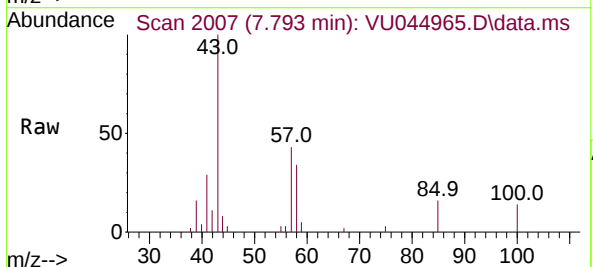
Instrument :
MSVOA_U
ClientSampleId :
WC-20210924

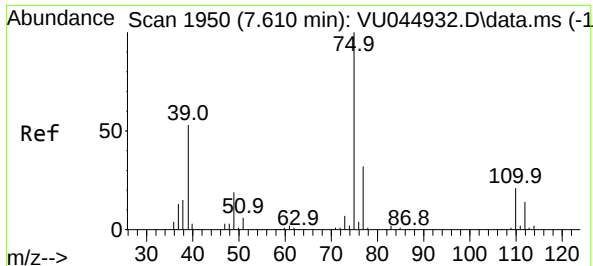
Tgt Ion: 98 Resp: 440939
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.547 ug/l
RT: 7.793 min Scan# 2007
Delta R.T. -0.006 min
Lab File: VU044965.D
Acq: 29 Sep 2021 01:21

Tgt Ion: 43 Resp: 7924
Ion Ratio Lower Upper
43 100
58 41.3 32.4 48.6

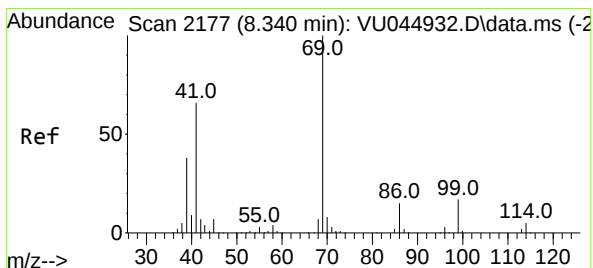
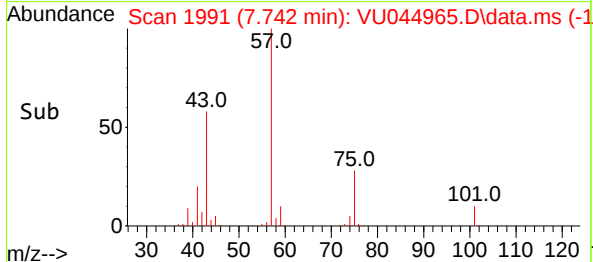
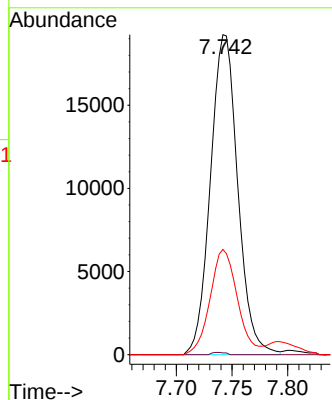
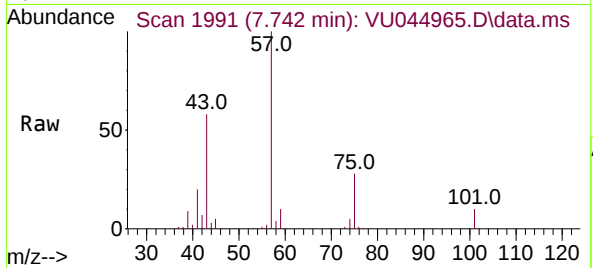




#54
 cis-1,3-Dichloropropene
 Concen: 7.550 ug/l
 RT: 7.742 min Scan# 1950
 Delta R.T. 0.132 min
 Lab File: VU044965.D
 Acq: 29 Sep 2021 01:21

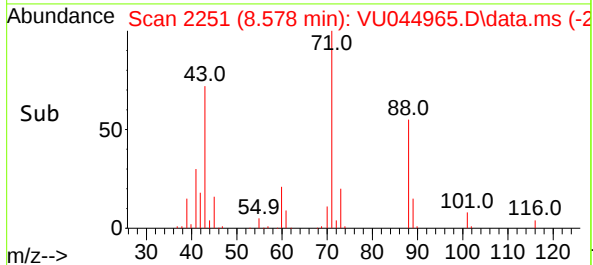
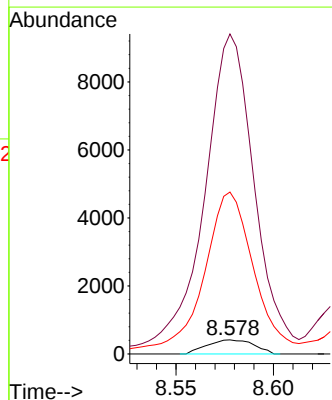
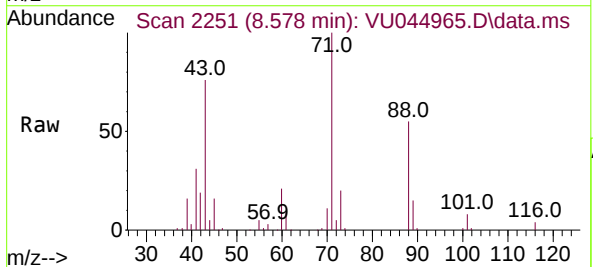
Instrument :
 MSVOA_U
 ClientSampleId :
 WC-20210924

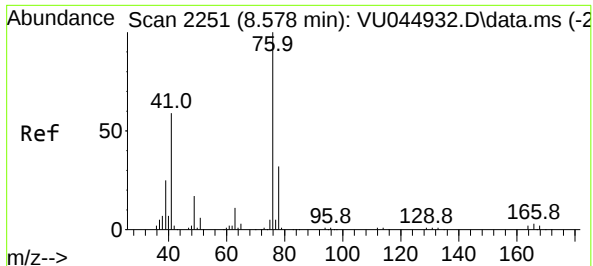
Tgt Ion: 75 Resp: 32827
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.6#
 39 32.9 41.4 62.2#



#56
 Ethyl methacrylate
 Concen: 1.947 ug/l
 RT: 8.578 min Scan# 2251
 Delta R.T. 0.238 min
 Lab File: VU044965.D
 Acq: 29 Sep 2021 01:21

Tgt Ion: 69 Resp: 696
 Ion Ratio Lower Upper
 69 100
 41 2322.3 53.5 80.3#
 39 1128.6 31.1 46.7#





#57

1,3-Dichloropropane

Concen: 4.538 ug/l

RT: 8.732 min Scan# 21

Delta R.T. 0.154 min

Lab File: VU044965.D

Acq: 29 Sep 2021 01:21

Instrument :

MSVOA_U

ClientSampleId :

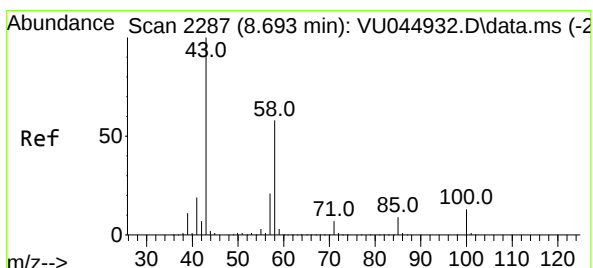
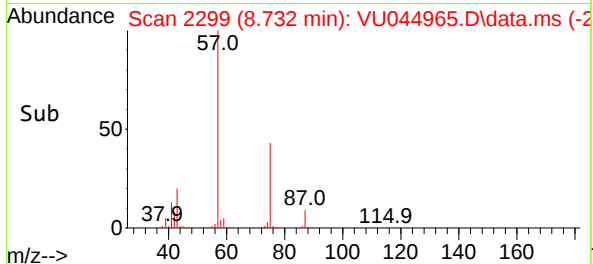
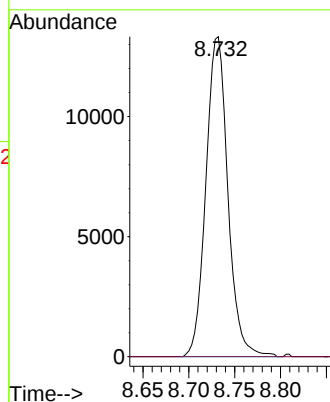
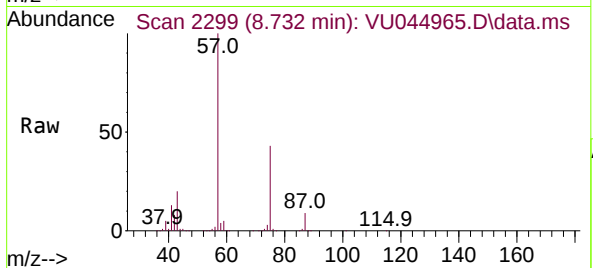
WC-20210924

Tgt Ion: 76 Resp: 22230

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 71.638 ug/l

RT: 8.729 min Scan# 2298

Delta R.T. 0.036 min

Lab File: VU044965.D

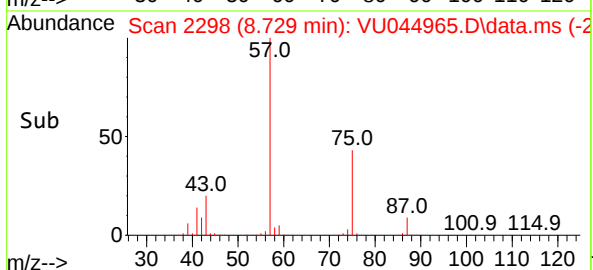
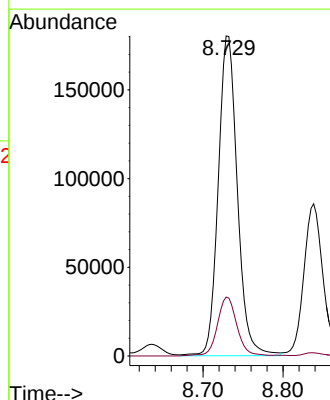
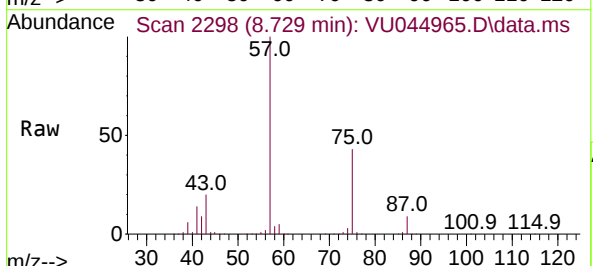
Acq: 29 Sep 2021 01:21

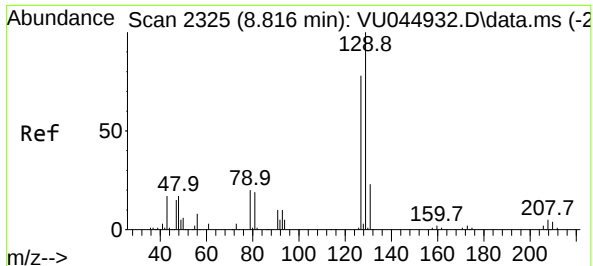
Tgt Ion: 43 Resp: 298766

Ion Ratio Lower Upper

43 100

58 18.9 28.0 84.0#

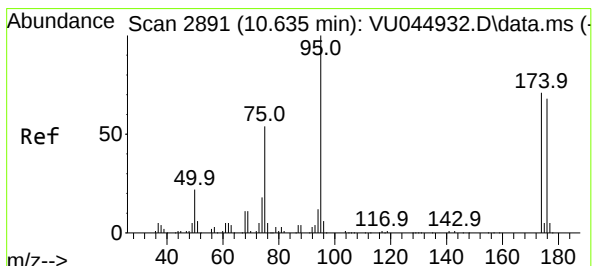
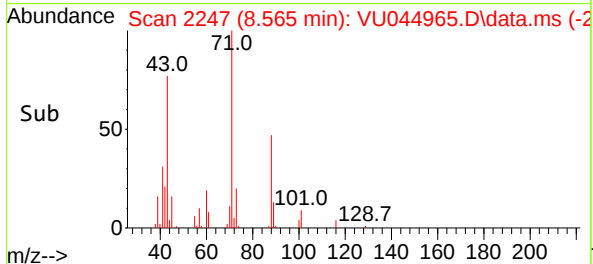
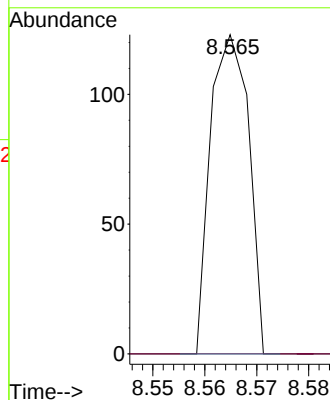
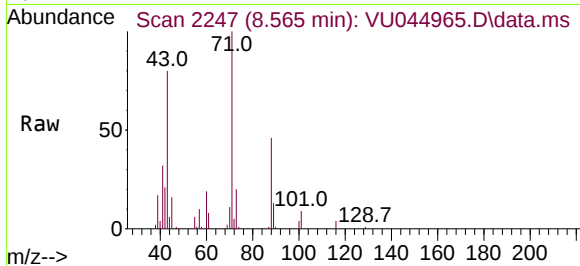




#60
Dibromochloromethane
Concen: 2.197 ug/l
RT: 8.565 min Scan# 211
Delta R.T. -0.251 min
Lab File: VU044965.D
Acq: 29 Sep 2021 01:21

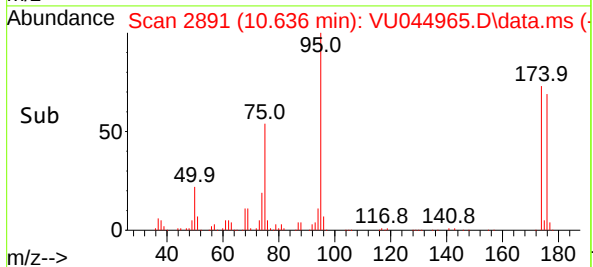
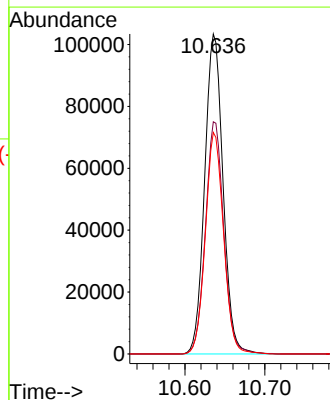
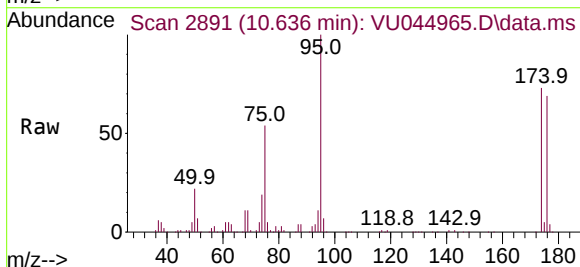
Instrument :
MSVOA_U
ClientSampleId :
WC-20210924

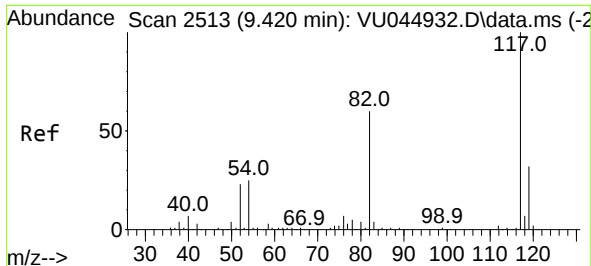
Tgt Ion:129 Resp: 63
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 47.430 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU044965.D
Acq: 29 Sep 2021 01:21

Tgt Ion: 95 Resp: 164942
Ion Ratio Lower Upper
95 100
174 72.5 0.0 146.6
176 68.8 0.0 141.2

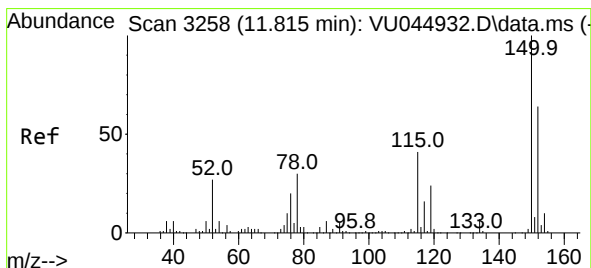
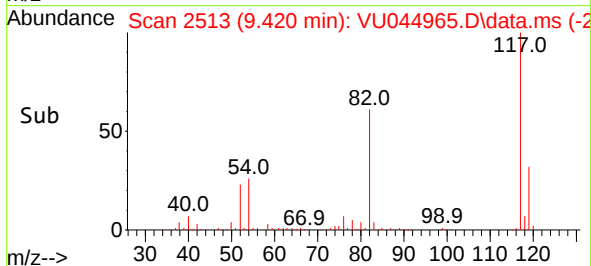
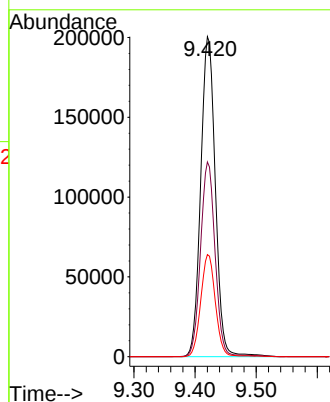
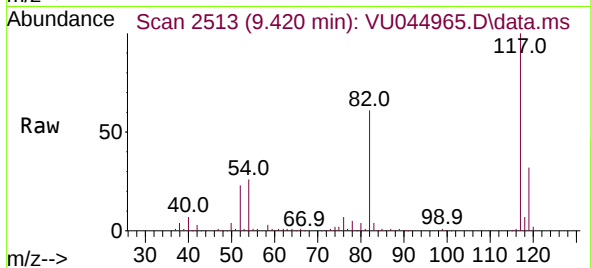




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044965.D
Acq: 29 Sep 2021 01:21

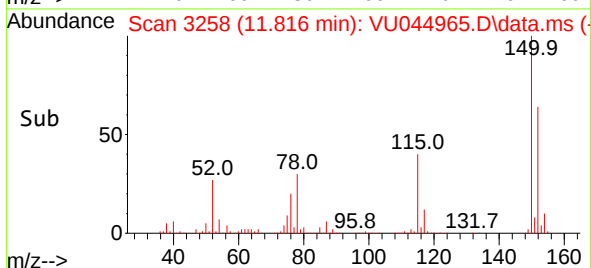
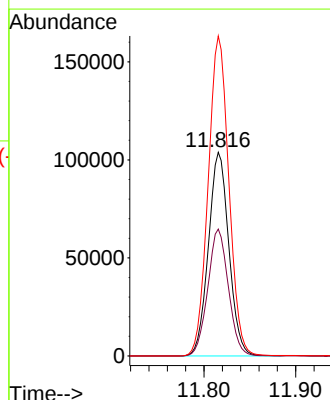
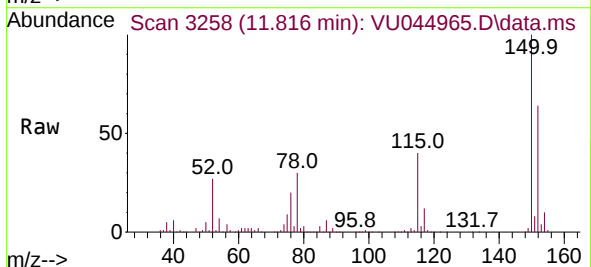
Instrument :
MSVOA_U
ClientSampleId :
WC-20210924

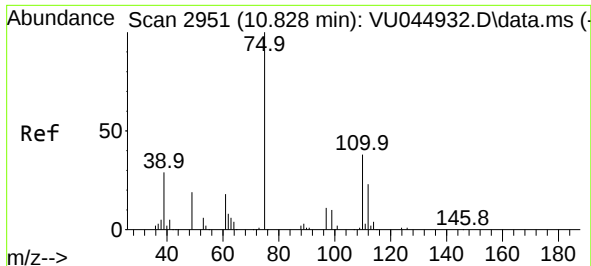
Tgt Ion:117 Resp: 333917
Ion Ratio Lower Upper
117 100
82 60.9 47.8 71.8
119 31.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.001 min
Lab File: VU044965.D
Acq: 29 Sep 2021 01:21

Tgt Ion:152 Resp: 160904
Ion Ratio Lower Upper
152 100
115 62.6 43.5 130.7
150 158.7 0.0 350.0

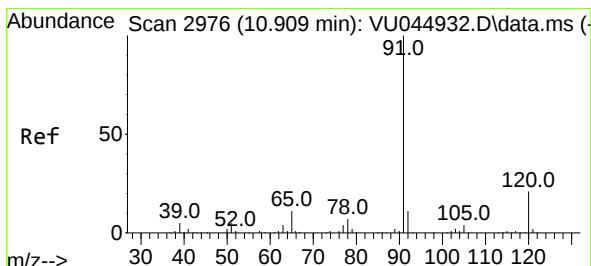
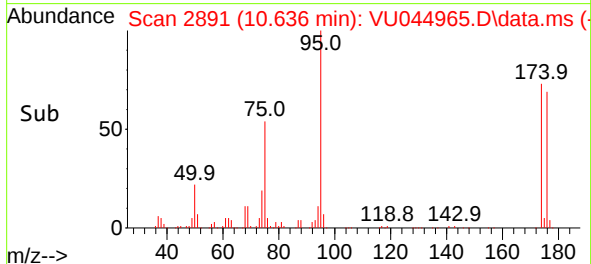
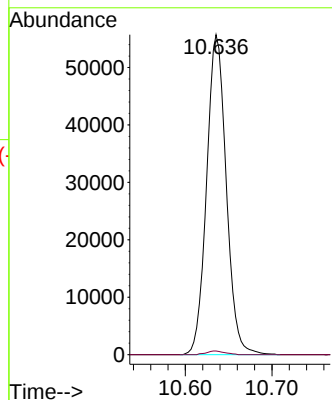
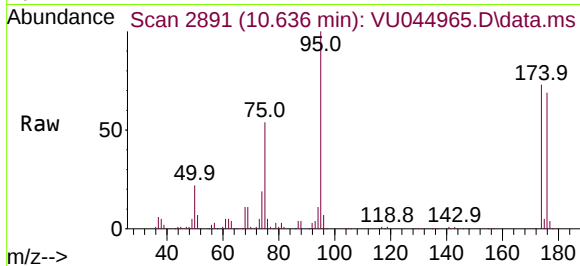




#76
1,2,3-Trichloropropane
Concen: 18.711 ug/l
RT: 10.636 min Scan# 2951
Delta R.T. -0.192 min
Lab File: VU044965.D
Acq: 29 Sep 2021 01:21

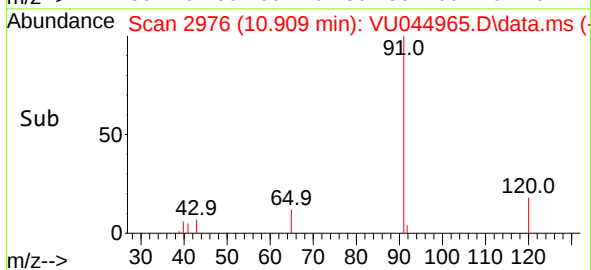
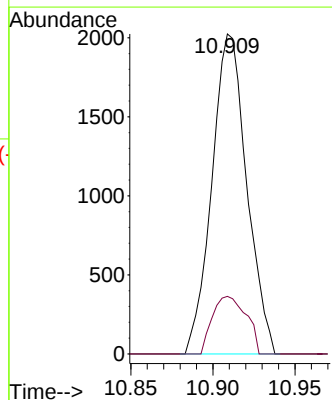
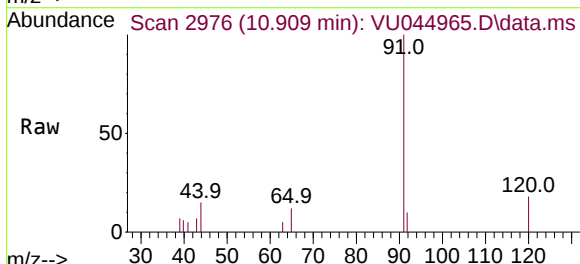
Instrument :
MSVOA_U
ClientSampleId :
WC-20210924

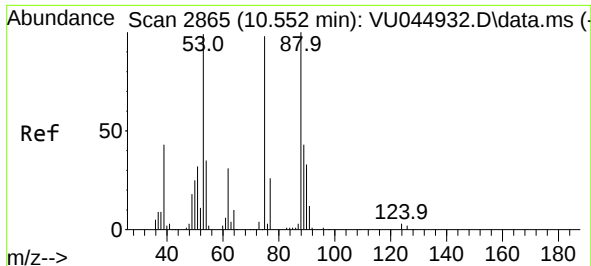
Tgt Ion: 75 Resp: 87818
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#



#78
n-propylbenzene
Concen: 0.204 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. -0.000 min
Lab File: VU044965.D
Acq: 29 Sep 2021 01:21

Tgt Ion: 91 Resp: 2984
Ion Ratio Lower Upper
91 100
120 17.5 10.8 32.4

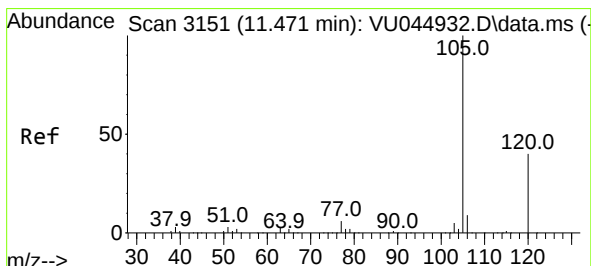
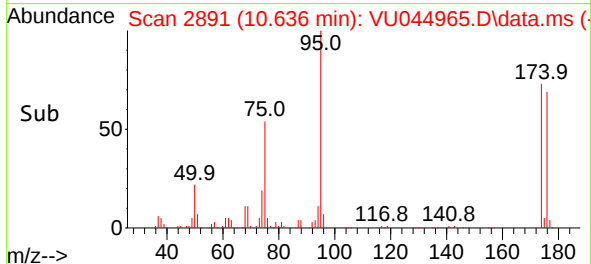
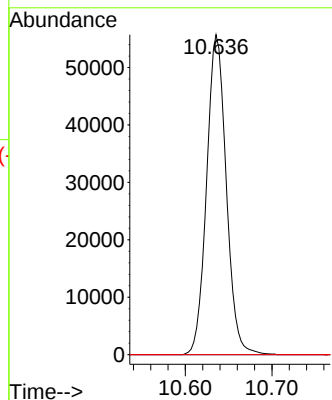
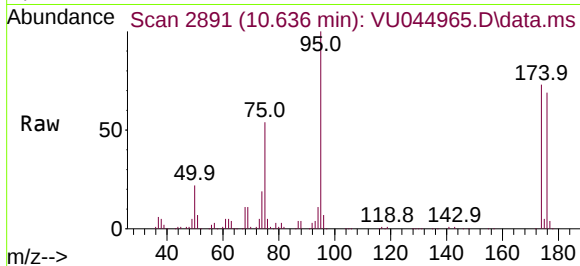




#81
trans-1,4-Dichloro-2-butene
Concen: 51.927 ug/l
RT: 10.636 min Scan# 2865
Delta R.T. 0.084 min
Lab File: VU044965.D
Acq: 29 Sep 2021 01:21

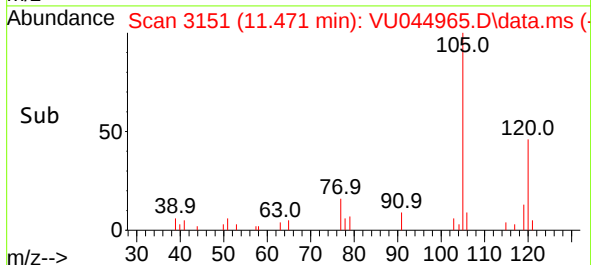
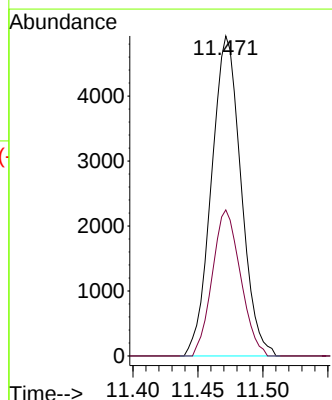
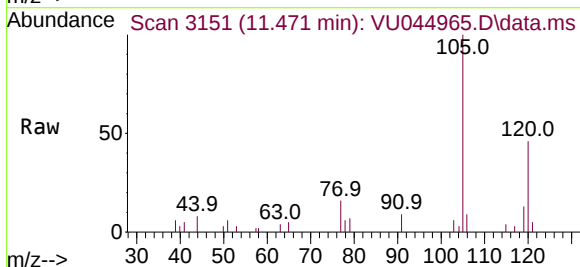
Instrument :
MSVOA_U
ClientSampleId :
WC-20210924

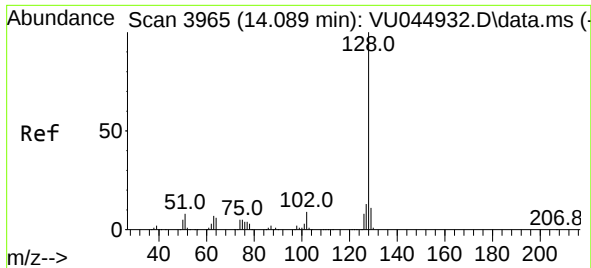
Tgt Ion: 75 Resp: 87818
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.750 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VU044965.D
Acq: 29 Sep 2021 01:21

Tgt Ion: 105 Resp: 7785
Ion Ratio Lower Upper
105 100
120 43.5 22.4 67.3





#95

Naphthalene

Concen: 0.262 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. 0.003 min

Lab File: VU044965.D

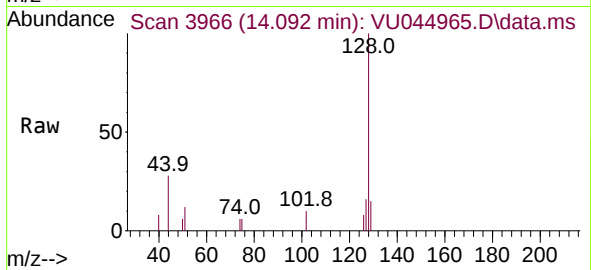
Acq: 29 Sep 2021 01:21

Instrument :

MSVOA_U

ClientSampleId :

WC-20210924



Tgt Ion:	128	Resp:	3115
Ion	Ratio	Lower	Upper
128	100		
127	9.9	10.4	15.6#
129	10.4	8.6	13.0

