

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092921\
 Data File : VU045003.D
 Acq On : 29 Sep 2021 19:13
 Operator : SY/MD
 Sample : M3920-18
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EB-02-092321

Quant Time: Sep 30 04:33:37 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)

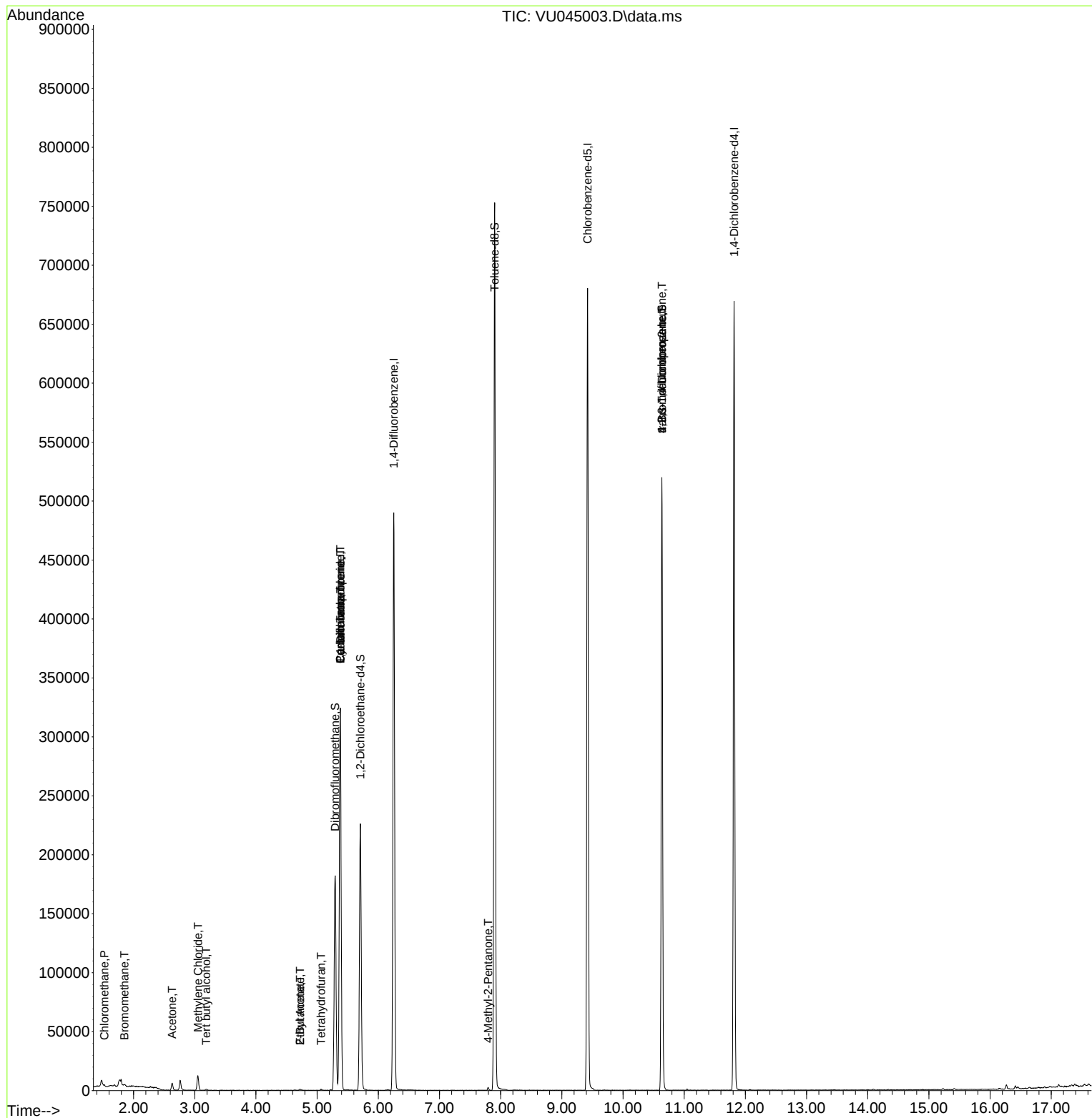
Internal Standards						
1) Pentafluorobenzene	5.378	168	212526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	381861	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	355250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	161187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	168221	47.550	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.100%		
35) Dibromofluoromethane	5.295	113	117669	48.847	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.700%		
50) Toluene-d8	7.902	98	482820	50.727	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.460%		
62) 4-Bromofluorobenzene	10.635	95	172268	43.839	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.680%		
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	800	0.235	ug/l	93
5) Bromomethane	1.851	94	678	0.508	ug/l #	71
11) Tert butyl alcohol	3.186	59	672	0.662	ug/l #	72
16) Acetone	2.629	43	7146	3.403	ug/l	94
20) Methylene Chloride	3.054	84	6253	1.977	ug/l	85
25) 2-Butanone	4.719	43	1357	0.455	ug/l #	89
29) Tetrahydrofuran	5.063	42	561	0.316	ug/l #	61
31) Cyclohexane	5.378	56	5407	1.006	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	19738	4.943	ug/l #	49
37) Ethyl Acetate	4.719	43	1357	0.257	ug/l #	69
38) Carbon Tetrachloride	5.378	117	22332	6.463	ug/l #	15
51) 4-Methyl-2-Pentanone	7.796	43	1564	0.270	ug/l	98
76) 1,2,3-Trichloropropane	10.635	75	92724	19.722	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	92724	54.732	ug/l #	9

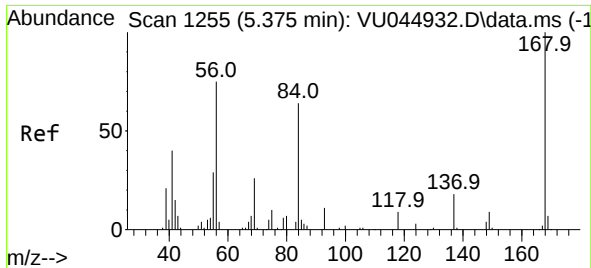
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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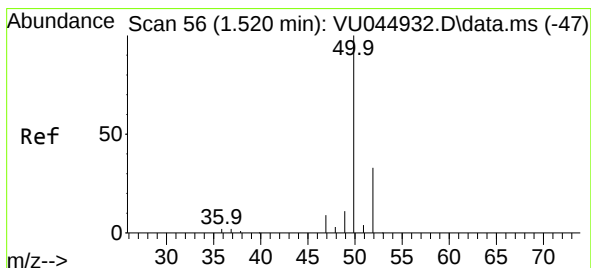
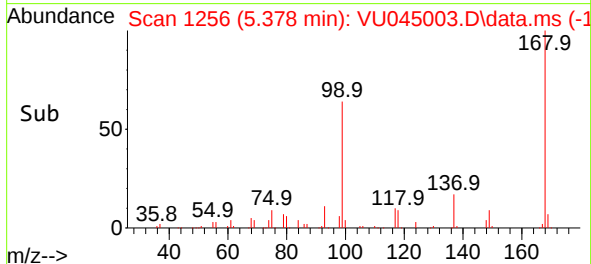
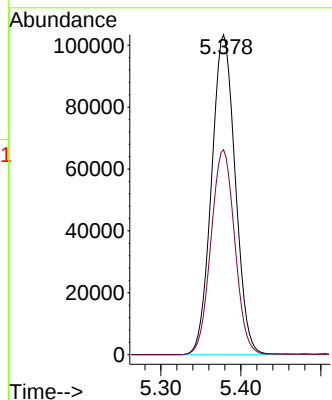
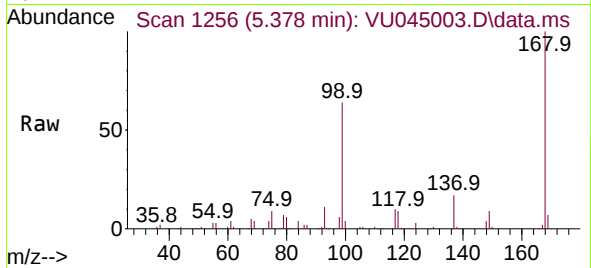




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. 0.003 min
Lab File: VU045003.D
Acq: 29 Sep 2021 19:13

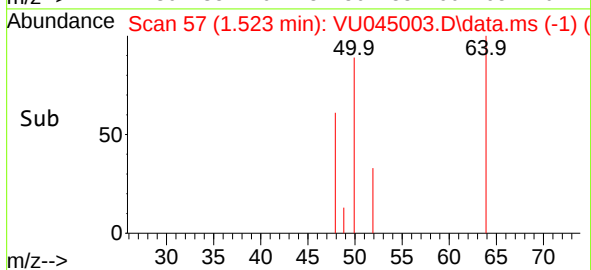
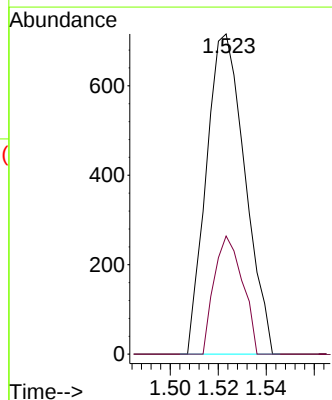
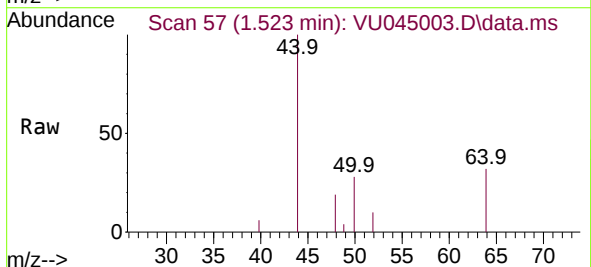
Instrument :
MSVOA_U
ClientSampleId :
EB-02-092321

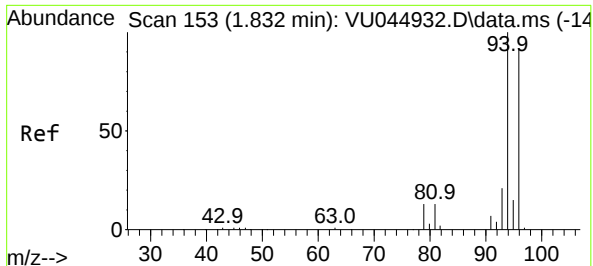
Tgt Ion:168 Resp: 212526
Ion Ratio Lower Upper
168 100
99 64.1 51.4 77.0



#3
Chloromethane
Concen: 0.235 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU045003.D
Acq: 29 Sep 2021 19:13

Tgt Ion: 50 Resp: 800
Ion Ratio Lower Upper
50 100
52 36.9 26.3 39.5





#5

Bromomethane

Concen: 0.508 ug/l

RT: 1.851 min Scan# 159

Delta R.T. 0.019 min

Lab File: VU045003.D

Acq: 29 Sep 2021 19:13

Tgt Ion: 94 Resp: 678

Ion Ratio Lower Upper

94 100

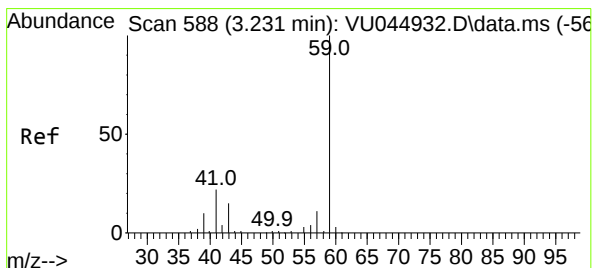
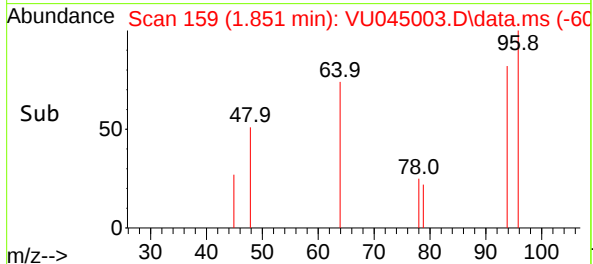
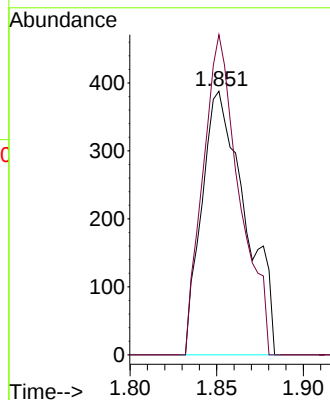
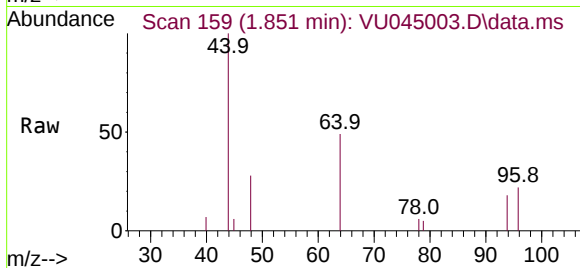
96 121.4 74.5 111.7#

Instrument :

MSVOA_U

ClientSampleId :

EB-02-092321



#11

Tert butyl alcohol

Concen: 0.662 ug/l

RT: 3.186 min Scan# 574

Delta R.T. -0.045 min

Lab File: VU045003.D

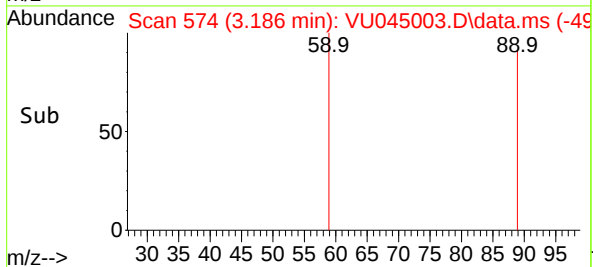
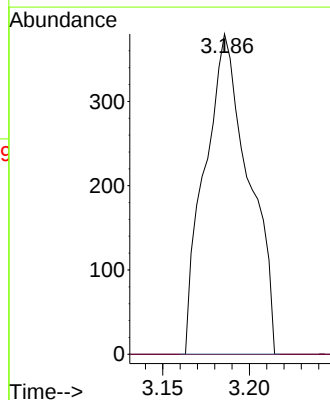
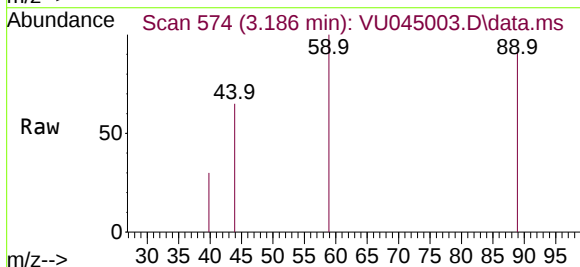
Acq: 29 Sep 2021 19:13

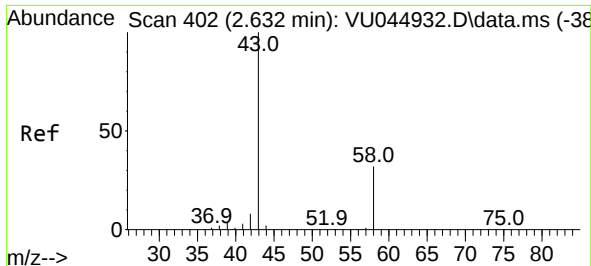
Tgt Ion: 59 Resp: 672

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

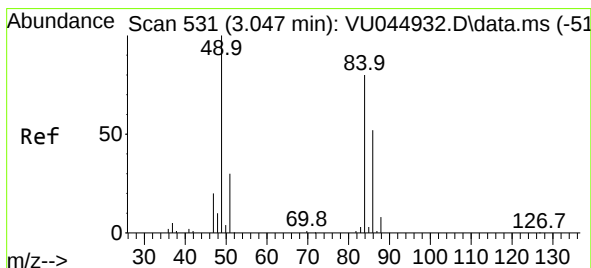
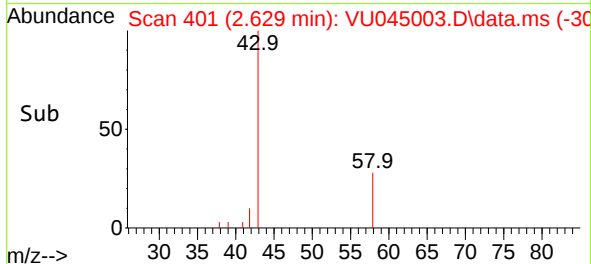
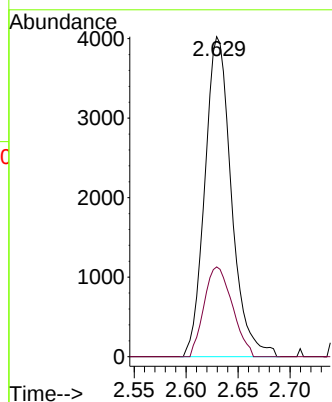
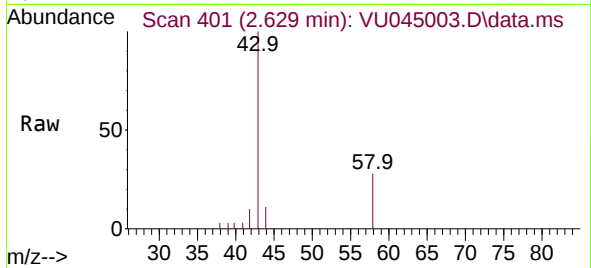




#16
Acetone
Concen: 3.403 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU045003.D
Acq: 29 Sep 2021 19:13

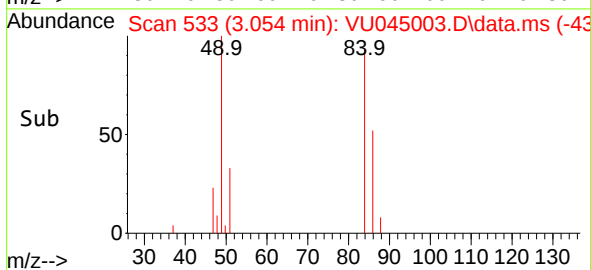
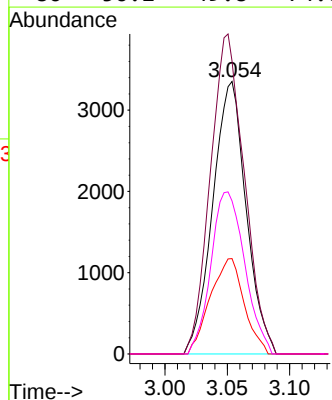
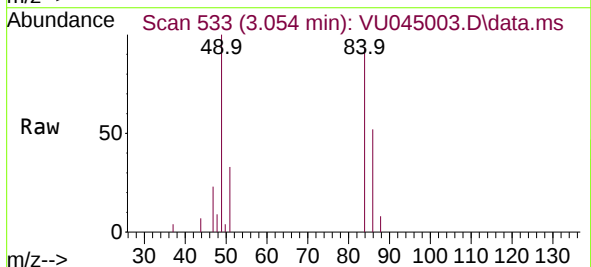
Instrument :
MSVOA_U
ClientSampleId :
EB-02-092321

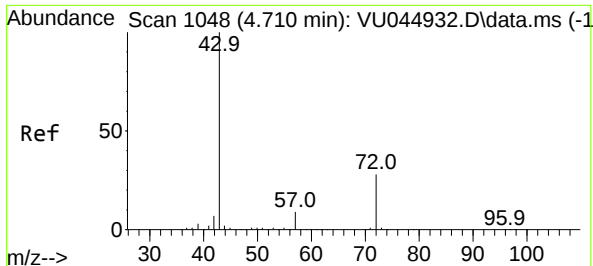
Tgt Ion: 43 Resp: 7146
Ion Ratio Lower Upper
43 100
58 28.0 25.2 37.8



#20
Methylene Chloride
Concen: 1.977 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.007 min
Lab File: VU045003.D
Acq: 29 Sep 2021 19:13

Tgt Ion: 84 Resp: 6253
Ion Ratio Lower Upper
84 100
49 107.5 104.9 157.3
51 35.0 31.8 47.8
86 56.2 49.8 74.6

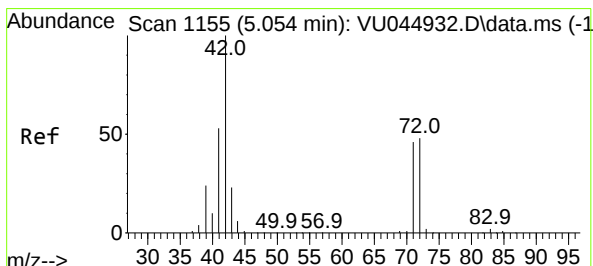
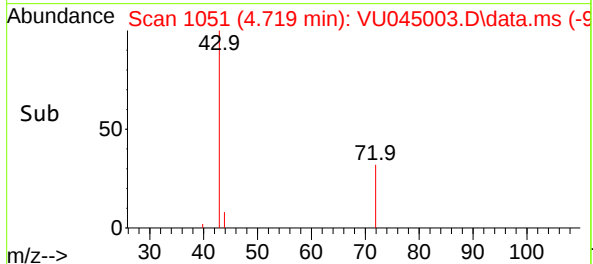
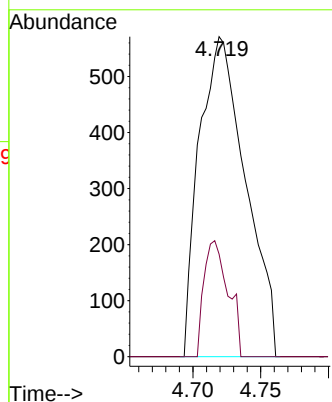
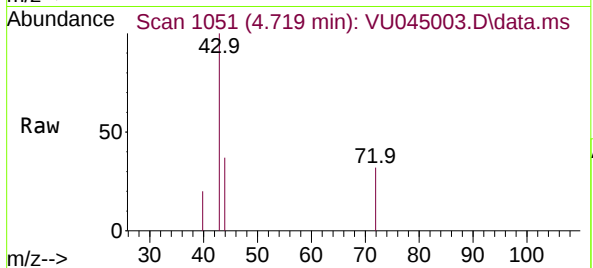




#25
2-Butanone
Concen: 0.455 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.009 min
Lab File: VU045003.D
Acq: 29 Sep 2021 19:13

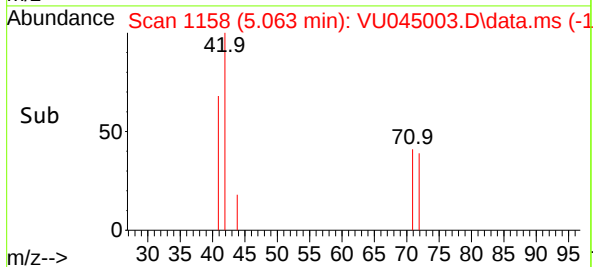
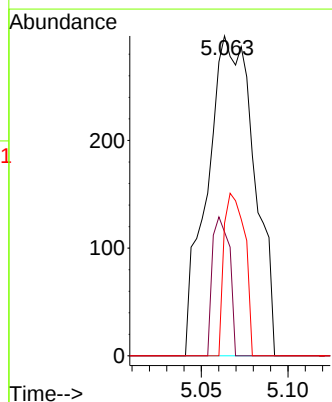
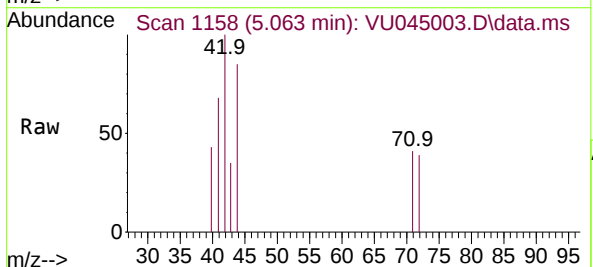
Instrument :
MSVOA_U
ClientSampleId :
EB-02-092321

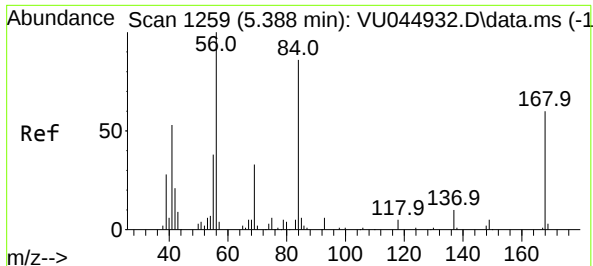
Tgt Ion: 43 Resp: 1357
Ion Ratio Lower Upper
43 100
72 32.0 21.3 31.9#



#29
Tetrahydrofuran
Concen: 0.316 ug/l
RT: 5.063 min Scan# 1158
Delta R.T. 0.009 min
Lab File: VU045003.D
Acq: 29 Sep 2021 19:13

Tgt Ion: 42 Resp: 561
Ion Ratio Lower Upper
42 100
72 15.7 36.2 54.4#
71 22.5 34.1 51.1#





#31

Cyclohexane

Concen: 1.006 ug/l

RT: 5.378 min Scan# 1256

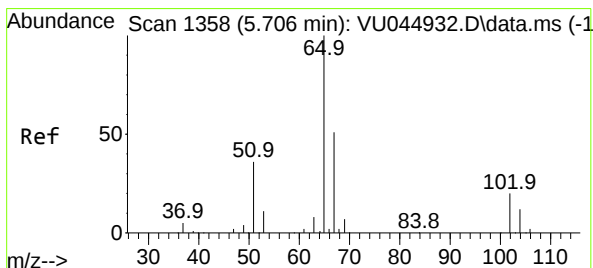
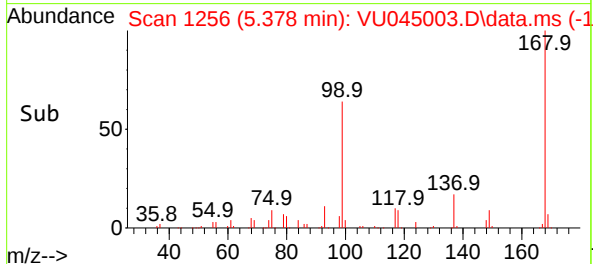
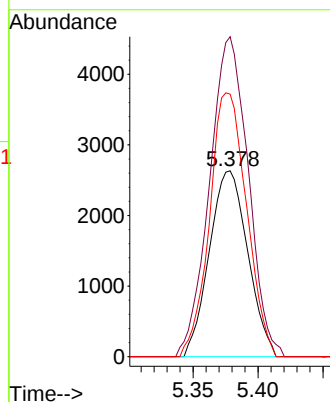
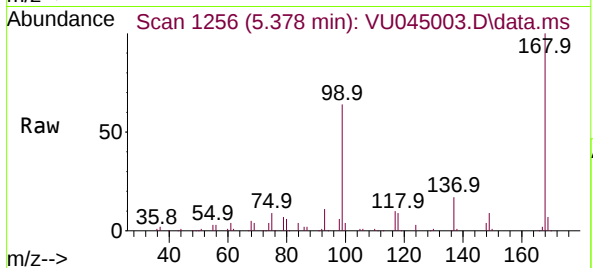
Delta R.T. -0.010 min

Lab File: VU045003.D

Acq: 29 Sep 2021 19:13

Tgt Ion:	56	Resp:	5407
Ion	Ratio	Lower	Upper
56	100		
69	167.2	25.2	37.8#
84	141.3	66.4	99.6#

Instrument :
MSVOA_U
ClientSampleId :
EB-02-092321



#33

1,2-Dichloroethane-d4

Concen: 47.550 ug/l

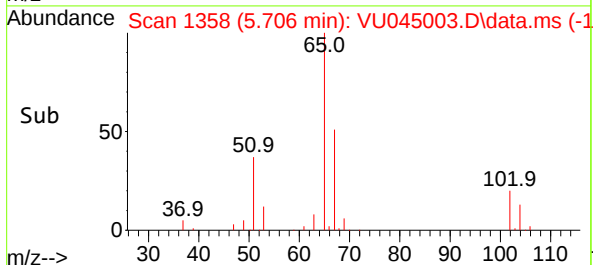
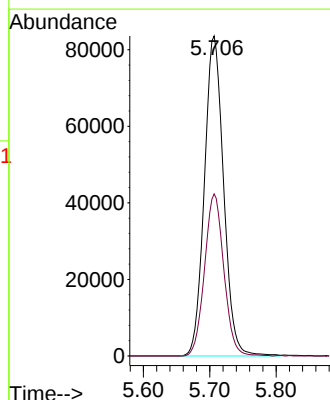
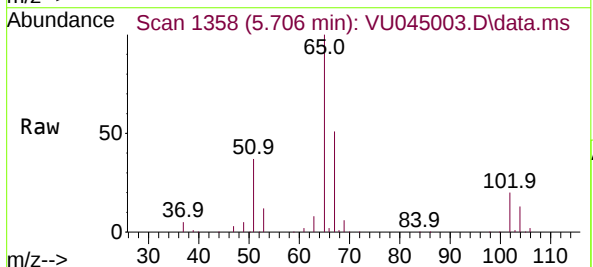
RT: 5.706 min Scan# 1358

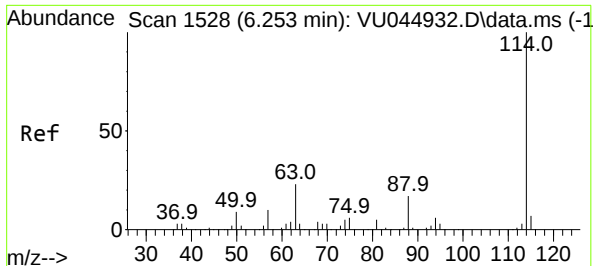
Delta R.T. 0.000 min

Lab File: VU045003.D

Acq: 29 Sep 2021 19:13

Tgt Ion:	65	Resp:	168221
Ion	Ratio	Lower	Upper
65	100		
67	50.8	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: VU045003.D

Acq: 29 Sep 2021 19:13

Tgt Ion:114 Resp: 381861

Ion Ratio Lower Upper

114 100

63 22.9 0.0 47.8

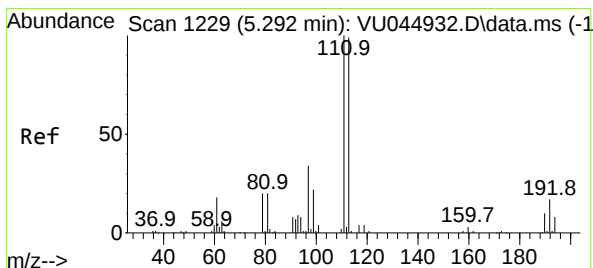
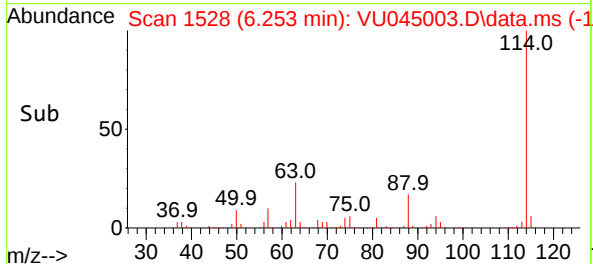
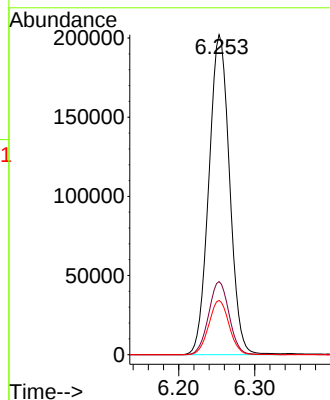
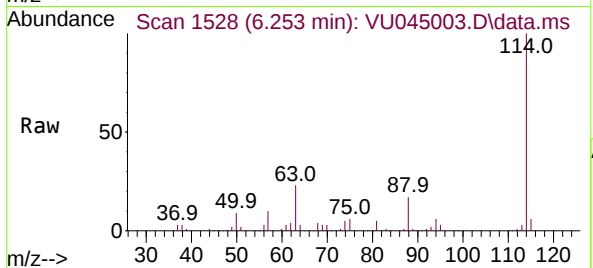
88 17.0 0.0 32.8

Instrument :

MSVOA_U

ClientSampleId :

EB-02-092321



#35

Dibromofluoromethane

Concen: 48.847 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.003 min

Lab File: VU045003.D

Acq: 29 Sep 2021 19:13

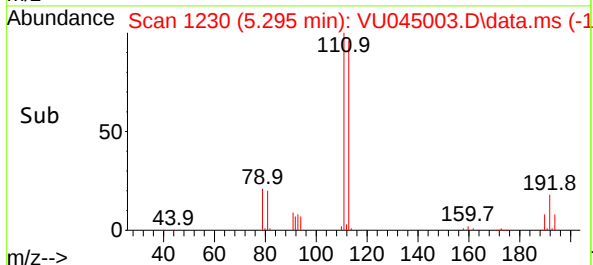
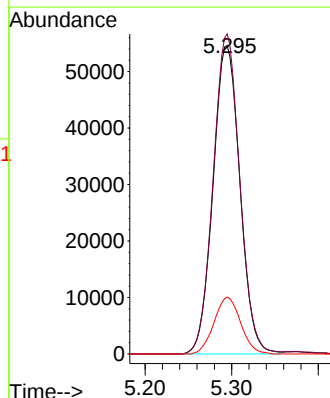
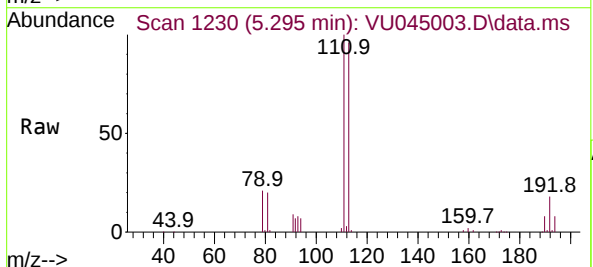
Tgt Ion:113 Resp: 117669

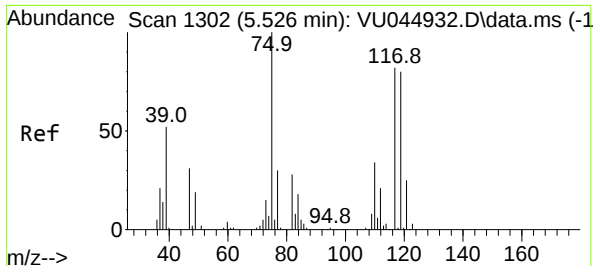
Ion Ratio Lower Upper

113 100

111 102.9 84.1 126.1

192 18.2 14.8 22.2



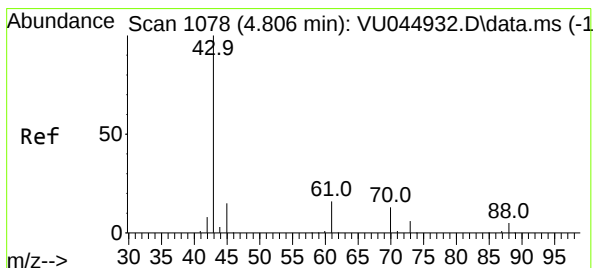
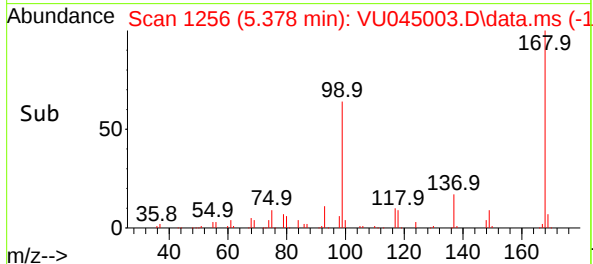
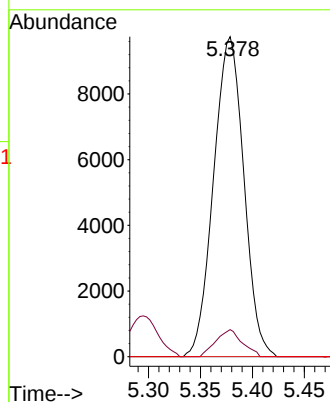
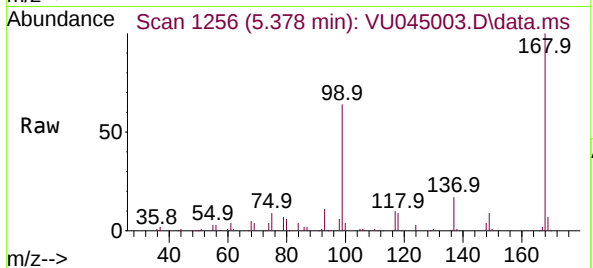


#36

1,1-Dichloropropene
Concen: 4.943 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.148 min
Lab File: VU045003.D
Acq: 29 Sep 2021 19:13

Instrument :
MSVOA_U
ClientSampleId :
EB-02-092321

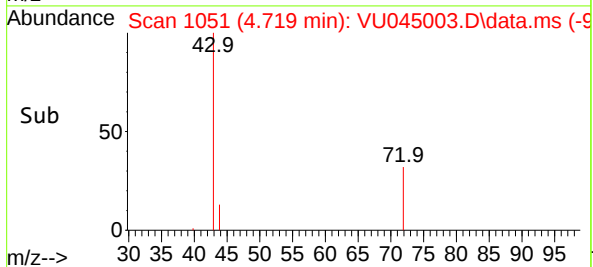
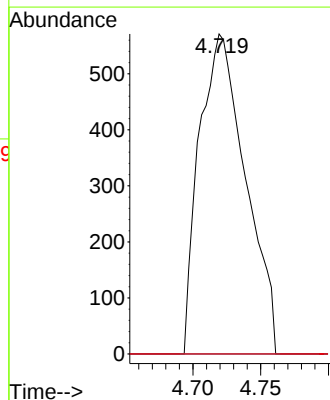
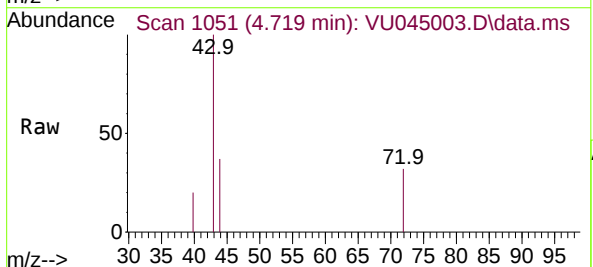
Tgt Ion: 75 Resp: 19738
Ion Ratio Lower Upper
75 100
110 7.4 16.3 48.9#
77 0.0 25.0 37.4#

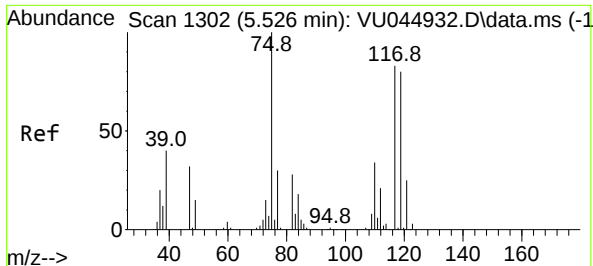


#37

Ethyl Acetate
Concen: 0.257 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. -0.087 min
Lab File: VU045003.D
Acq: 29 Sep 2021 19:13

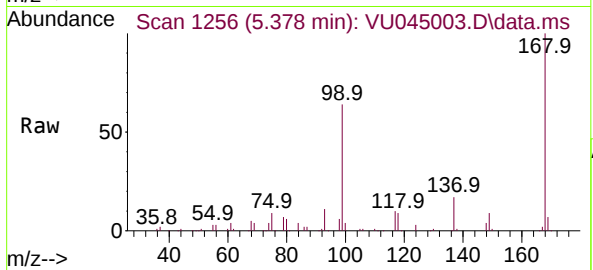
Tgt Ion: 43 Resp: 1357
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 8.2 12.4#



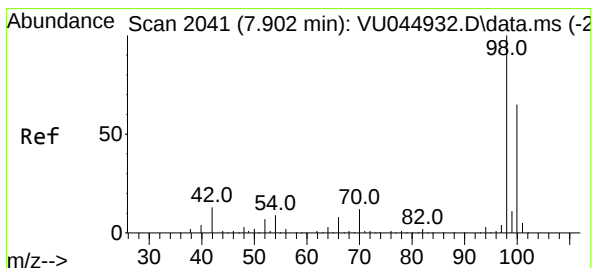
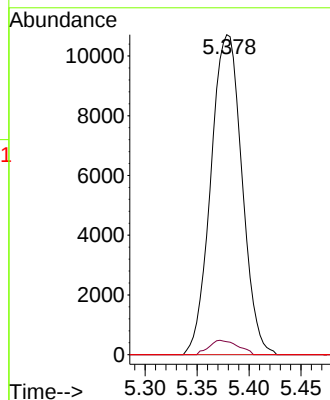
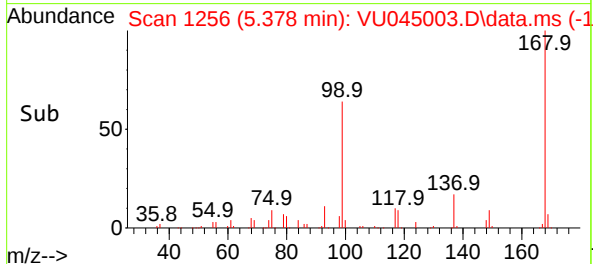


#38
Carbon Tetrachloride
Concen: 6.463 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.148 min
Lab File: VU045003.D
Acq: 29 Sep 2021 19:13

Instrument :
MSVOA_U
ClientSampleId :
EB-02-092321

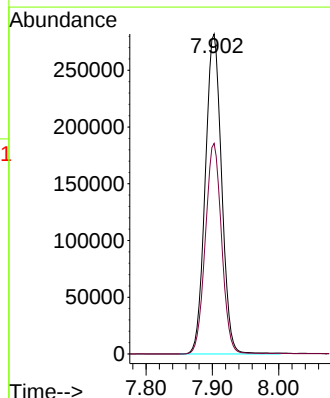
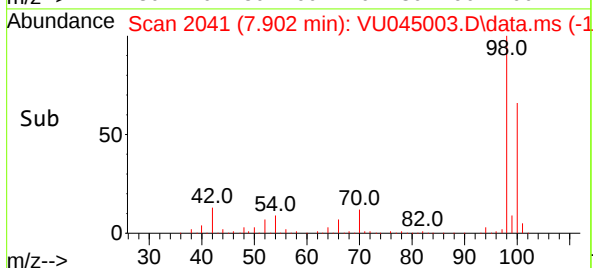
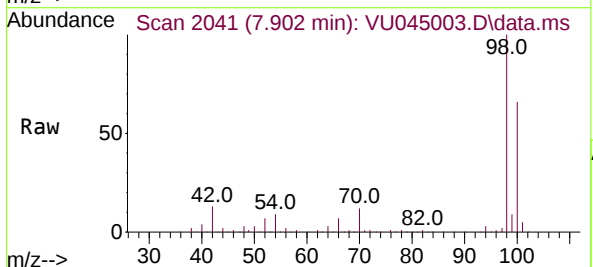


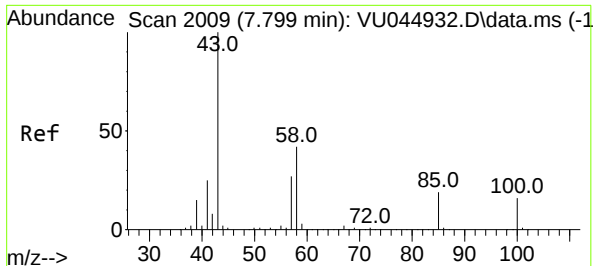
Tgt Ion:117 Resp: 22332
Ion Ratio Lower Upper
117 100
119 4.1 77.4 116.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.727 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU045003.D
Acq: 29 Sep 2021 19:13

Tgt Ion: 98 Resp: 482820
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7

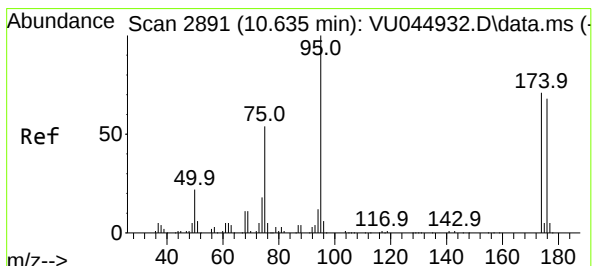
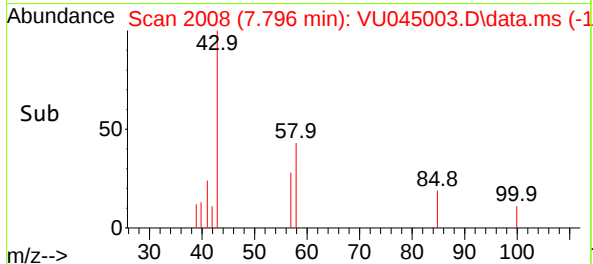
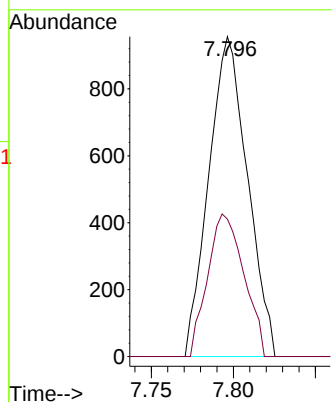
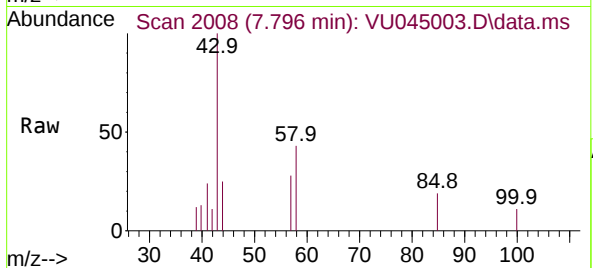




#51
4-Methyl-2-Pentanone
Concen: 0.270 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VU045003.D
Acq: 29 Sep 2021 19:13

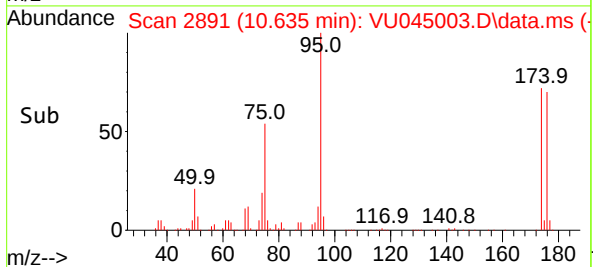
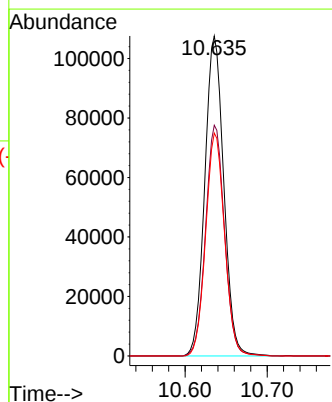
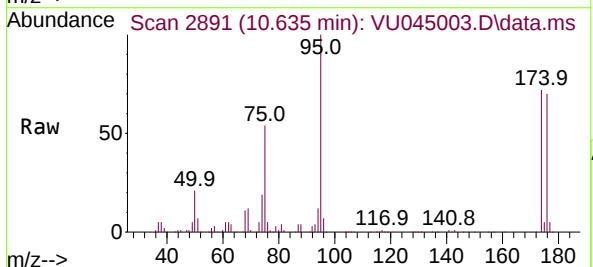
Instrument :
MSVOA_U
ClientSampleId :
EB-02-092321

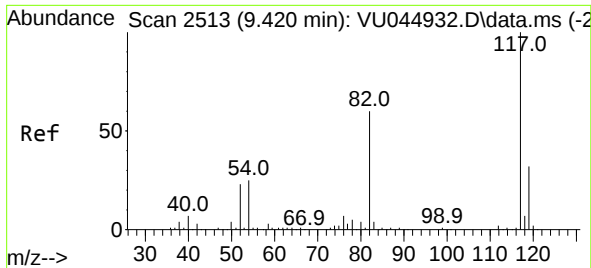
Tgt Ion: 43 Resp: 1564
Ion Ratio Lower Upper
43 100
58 41.9 32.4 48.6



#62
4-Bromofluorobenzene
Concen: 43.839 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU045003.D
Acq: 29 Sep 2021 19:13

Tgt Ion: 95 Resp: 172268
Ion Ratio Lower Upper
95 100
174 72.1 0.0 146.6
176 69.4 0.0 141.2

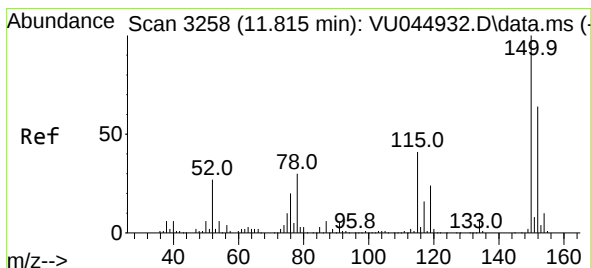
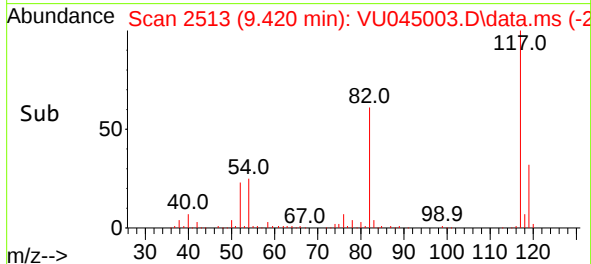
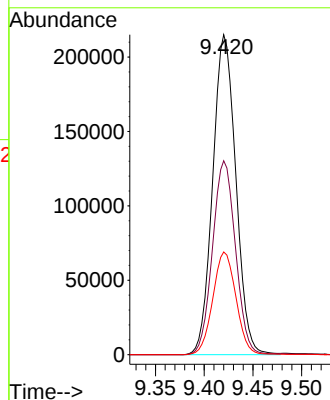
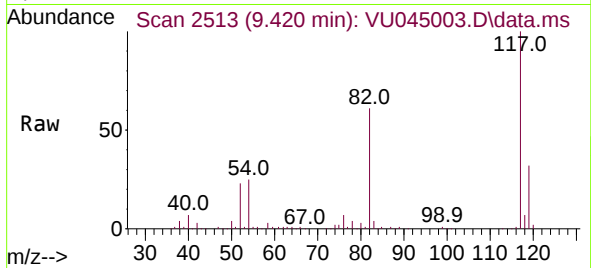




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045003.D
Acq: 29 Sep 2021 19:13

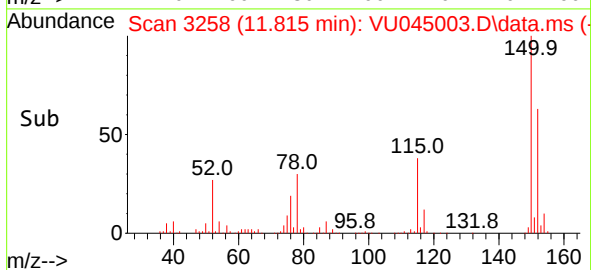
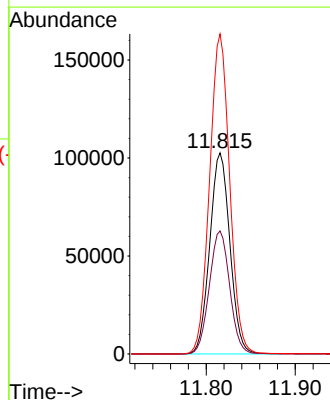
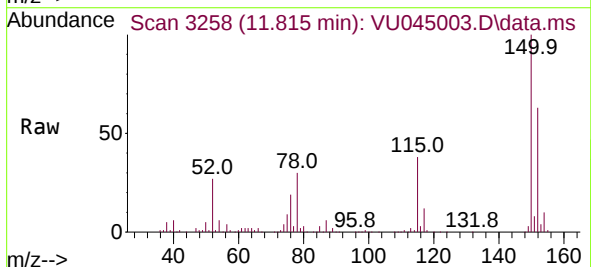
Instrument :
MSVOA_U
ClientSampleId :
EB-02-092321

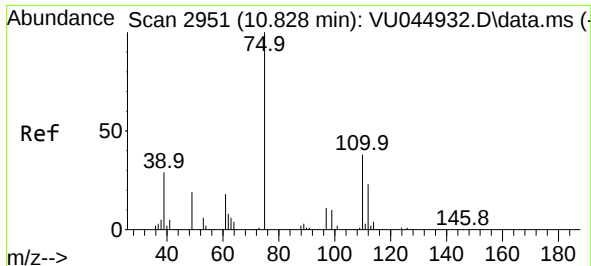
Tgt Ion:117 Resp: 355250
Ion Ratio Lower Upper
117 100
82 60.6 47.8 71.8
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU045003.D
Acq: 29 Sep 2021 19:13

Tgt Ion:152 Resp: 161187
Ion Ratio Lower Upper
152 100
115 61.8 43.5 130.7
150 158.3 0.0 350.0

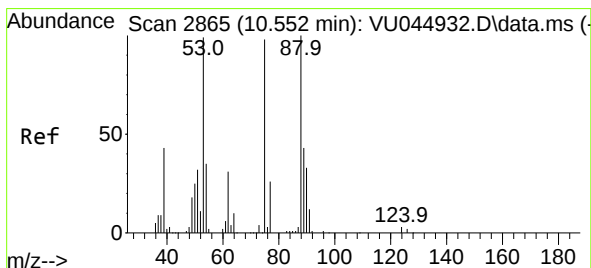
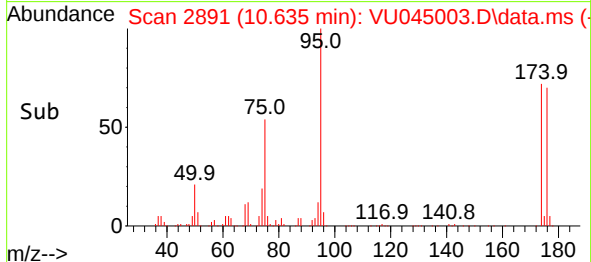
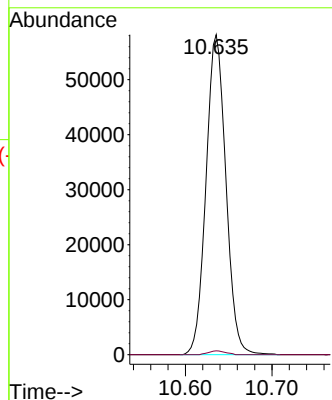
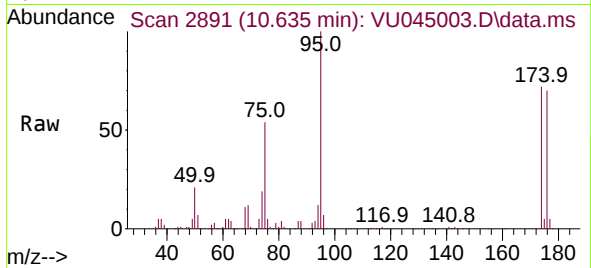




#76
1,2,3-Trichloropropane
Concen: 19.722 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045003.D
Acq: 29 Sep 2021 19:13

Instrument :
MSVOA_U
ClientSampleId :
EB-02-092321

Tgt Ion: 75 Resp: 92724
Ion Ratio Lower Upper
75 100
77 1.0 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.732 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.083 min
Lab File: VU045003.D
Acq: 29 Sep 2021 19:13

Tgt Ion: 75 Resp: 92724
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

