

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102921\
 Data File : VU045476.D
 Acq On : 29 Oct 2021 19:59
 Operator : SY/MD
 Sample : M4375-05
 Misc : 5.08g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SB-10(1.0-1.5)

Quant Time: Oct 30 04:11:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 29 11:09:42 2021
 Response via : Initial Calibration

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

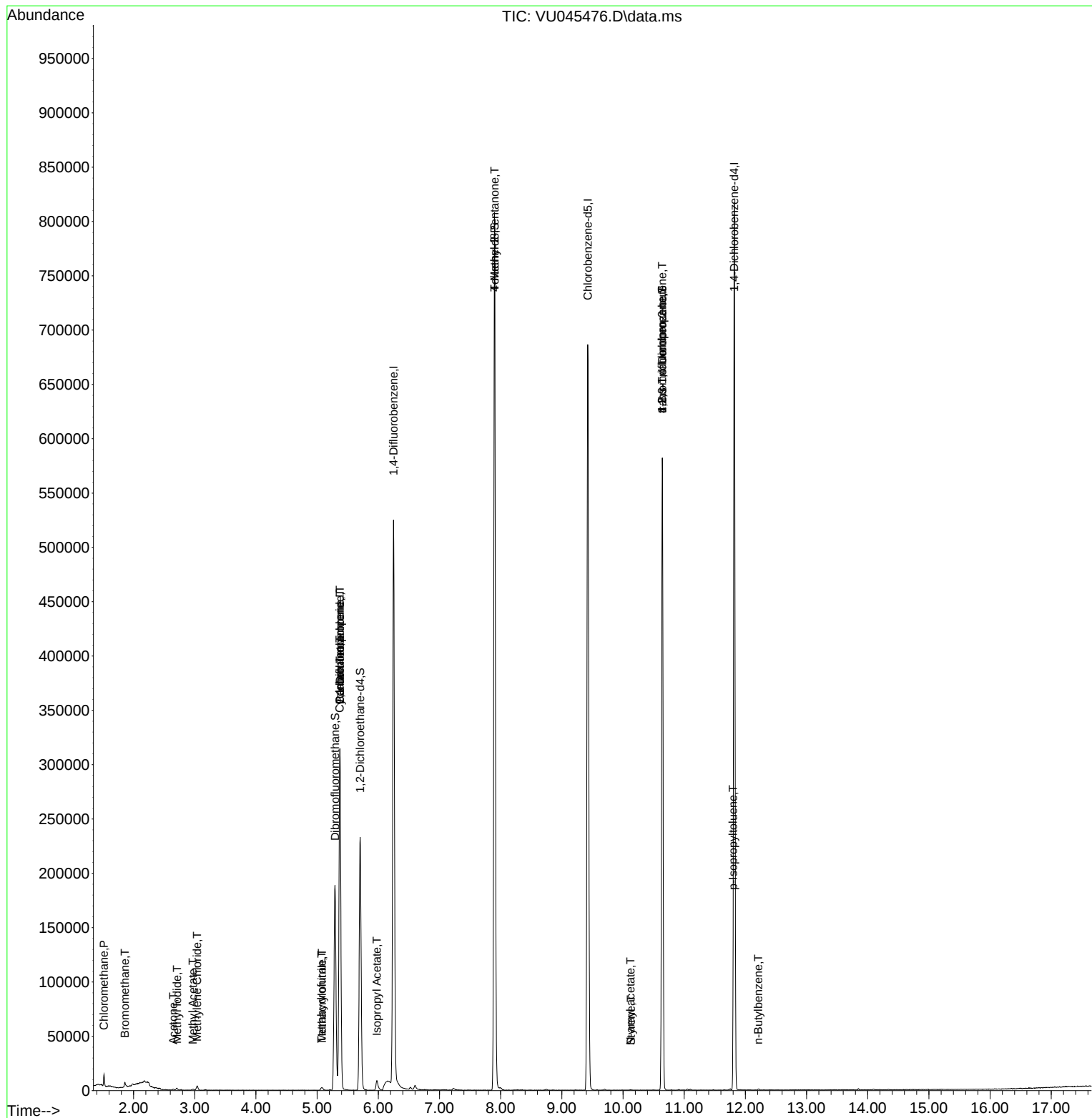
Internal Standards						
1) Pentafluorobenzene	5.372	168	213534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	430669	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	422954	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	201520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	181031	52.074	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.140%	
35) Dibromofluoromethane	5.292	113	131906	48.169	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.340%	
50) Toluene-d8	7.899	98	551181	51.328	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.660%	
62) 4-Bromofluorobenzene	10.642	95	209116	51.104	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	7578	1.783	ug/l	98
5) Bromomethane	1.858	94	1752	0.818	ug/l	87
10) Methyl Iodide	2.710	142	1658	9.943	ug/l #	86
16) Acetone	2.649	43	1010	0.640	ug/l	98
18) Methyl Acetate	2.970	43	1369	0.233	ug/l #	77
20) Methylene Chloride	3.038	84	1998	0.635	ug/l #	92
29) Tetrahydrofuran	5.073	42	2185	1.414	ug/l	89
31) Cyclohexane	5.369	56	5392	1.042	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	20164	4.919	ug/l #	49
38) Carbon Tetrachloride	5.372	117	22212	6.212	ug/l #	16
41) Methacrylonitrile	5.080	41	1120	0.426	ug/l #	32
43) Isopropyl Acetate	5.977	43	4085	0.546	ug/l #	59
51) 4-Methyl-2-Pentanone	7.899	43	2686	0.555	ug/l #	1
70) Styrene	10.131	104	317	1.007	ug/l #	40
74) N-amyl acetate	10.121	43	20	1.158	ug/l #	40
76) 1,2,3-Trichloropropane	10.642	75	108889	20.280	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.642	75	108889	56.291	ug/l #	12
86) p-Isopropyltoluene	11.800	119	474	0.225	ug/l #	1
89) n-Butylbenzene	12.211	91	719	0.994	ug/l #	77

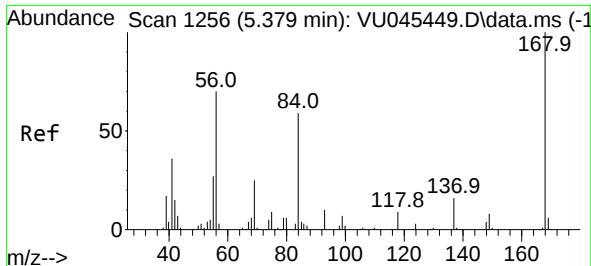
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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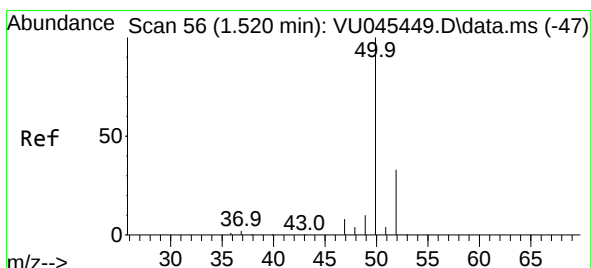
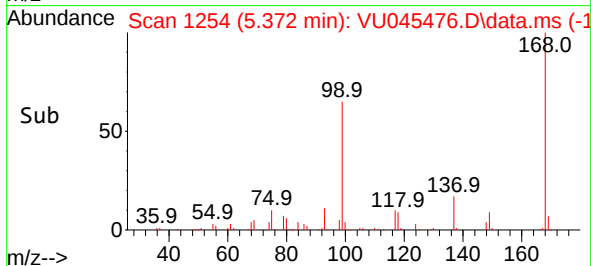
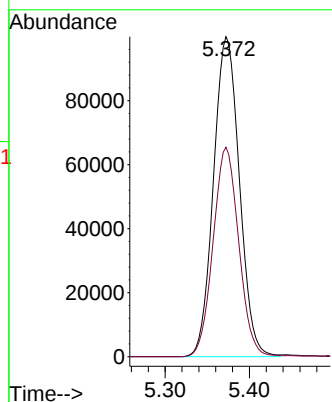
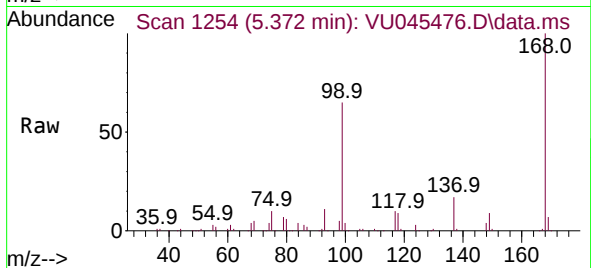




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.007 min
Lab File: VU045476.D
Acq: 29 Oct 2021 19:59

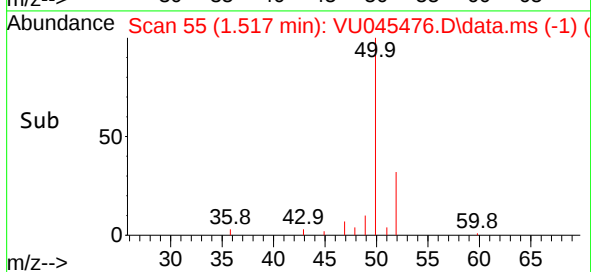
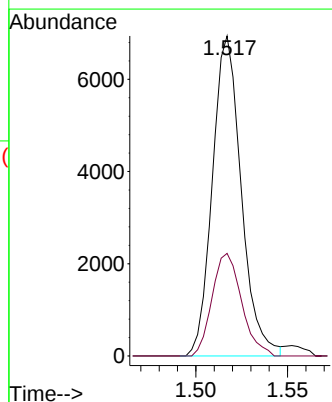
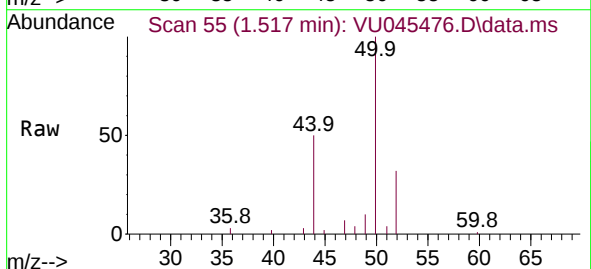
Instrument :
MSVOA_U
ClientSampleId :
SB-10(1.0-1.5)

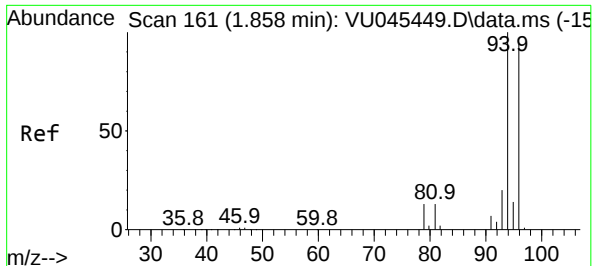
Tgt Ion:168 Resp: 213534
Ion Ratio Lower Upper
168 100
99 65.4 51.0 76.6



#3
Chloromethane
Concen: 1.783 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU045476.D
Acq: 29 Oct 2021 19:59

Tgt Ion: 50 Resp: 7578
Ion Ratio Lower Upper
50 100
52 32.0 26.6 40.0

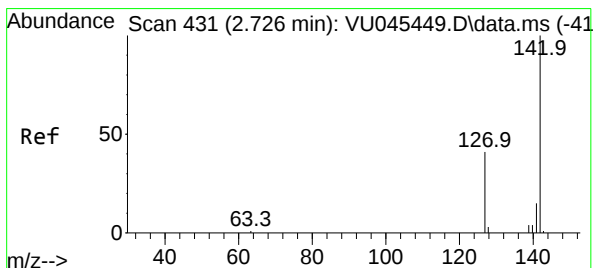
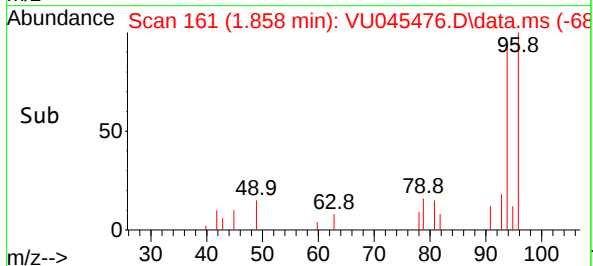
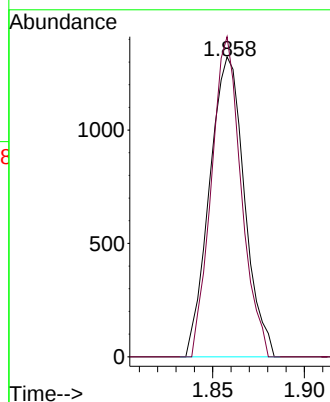
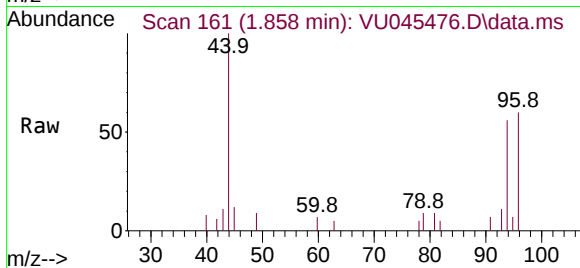




#5
Bromomethane
Concen: 0.818 ug/l
RT: 1.858 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU045476.D
Acq: 29 Oct 2021 19:59

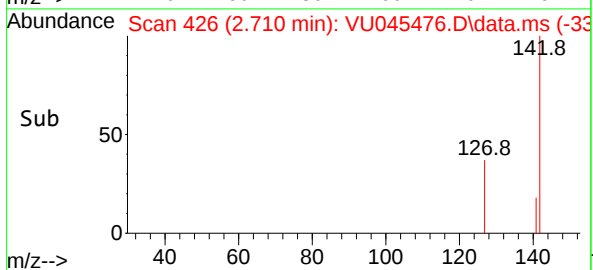
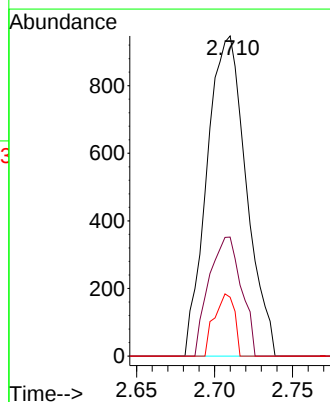
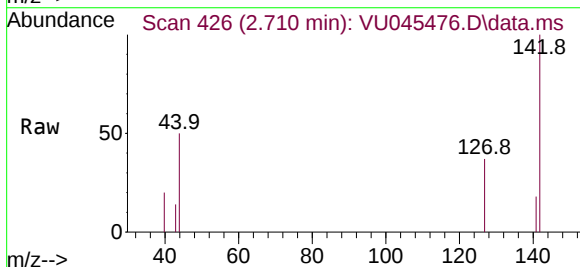
Instrument :
MSVOA_U
ClientSampleId :
SB-10(1.0-1.5)

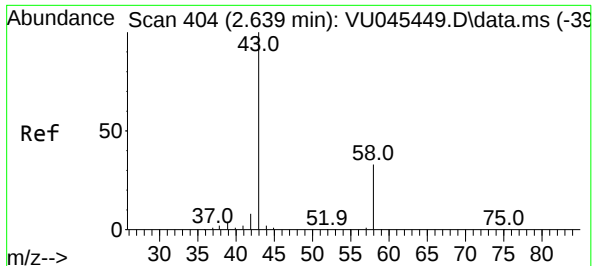
Tgt Ion: 94 Resp: 1752
Ion Ratio Lower Upper
94 100
96 106.7 75.4 113.2



#10
Methyl Iodide
Concen: 9.943 ug/l
RT: 2.710 min Scan# 426
Delta R.T. -0.016 min
Lab File: VU045476.D
Acq: 29 Oct 2021 19:59

Tgt Ion: 142 Resp: 1658
Ion Ratio Lower Upper
142 100
127 30.5 32.2 48.2#
141 10.0 11.3 16.9#





#16

Acetone

Concen: 0.640 ug/l

RT: 2.649 min Scan# 404

Delta R.T. 0.010 min

Lab File: VU045476.D

Acq: 29 Oct 2021 19:59

Instrument :

MSVOA_U

ClientSampleId :

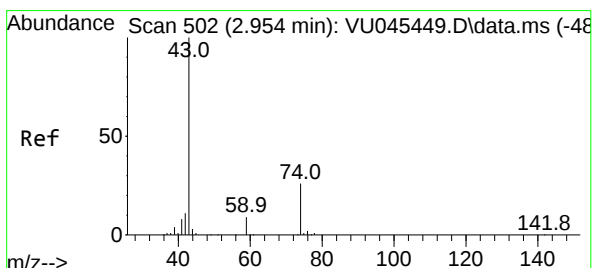
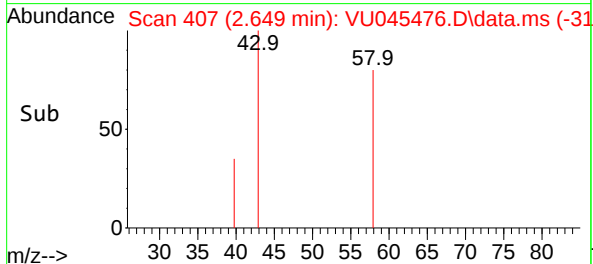
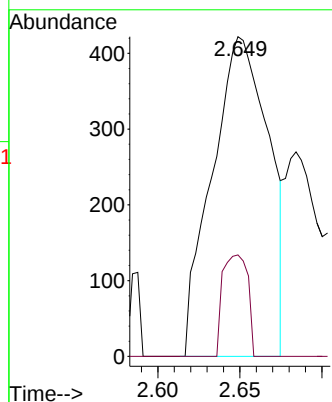
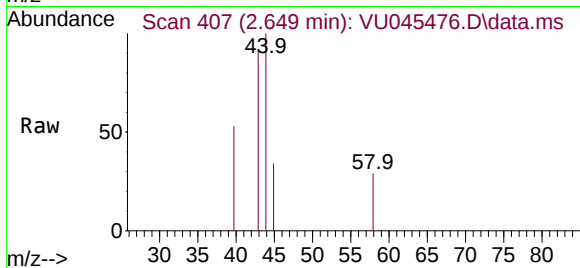
SB-10(1.0-1.5)

Tgt Ion: 43 Resp: 1010

Ion Ratio Lower Upper

43 100

58 31.8 26.2 39.2



#18

Methyl Acetate

Concen: 0.233 ug/l

RT: 2.970 min Scan# 507

Delta R.T. 0.016 min

Lab File: VU045476.D

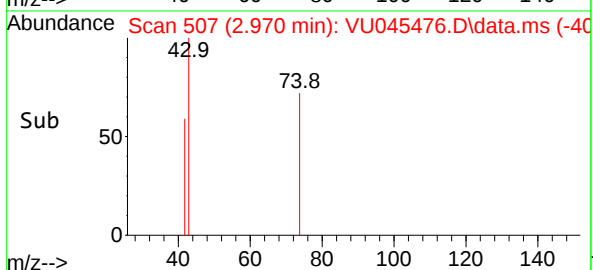
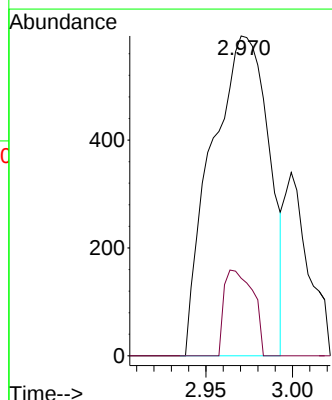
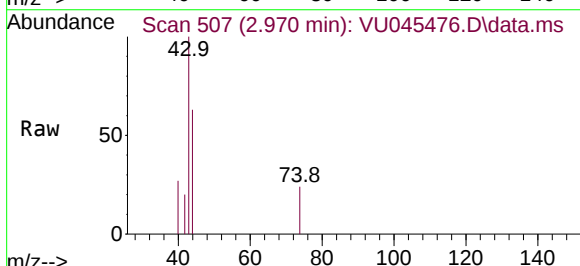
Acq: 29 Oct 2021 19:59

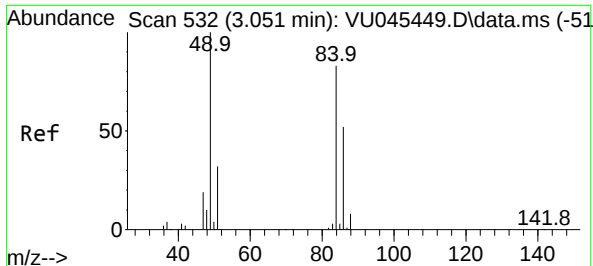
Tgt Ion: 43 Resp: 1369

Ion Ratio Lower Upper

43 100

74 13.4 20.2 30.2#

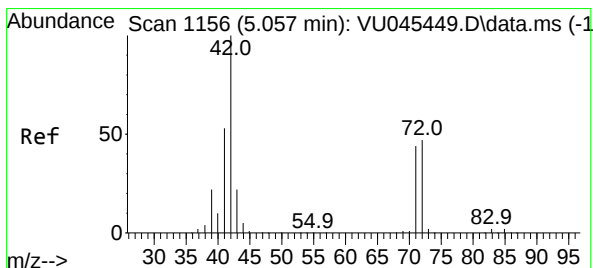
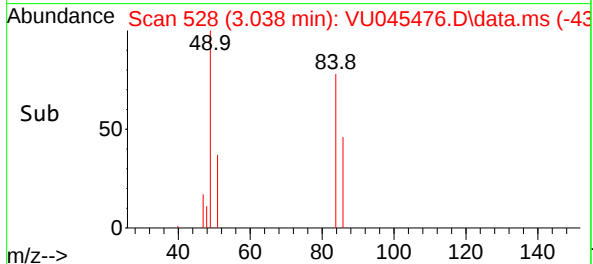
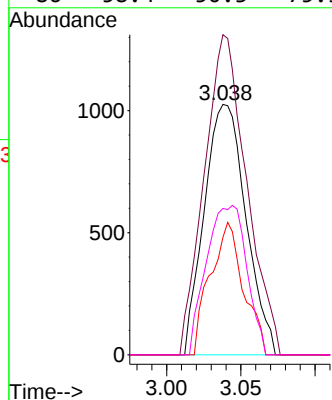
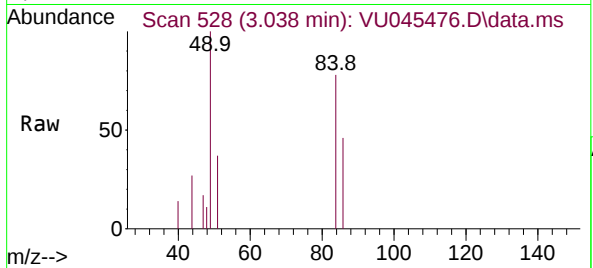




#20
Methylene Chloride
Concen: 0.635 ug/l
RT: 3.038 min Scan# 51
Delta R.T. -0.013 min
Lab File: VU045476.D
Acq: 29 Oct 2021 19:59

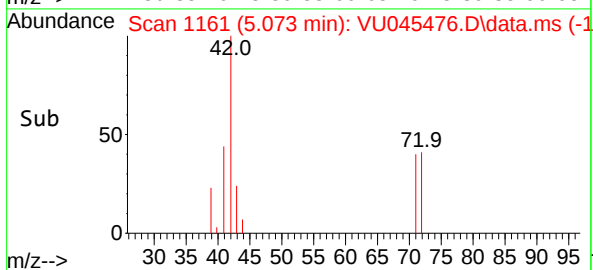
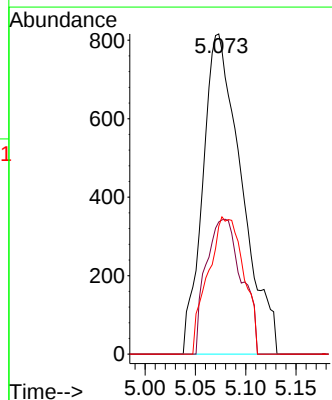
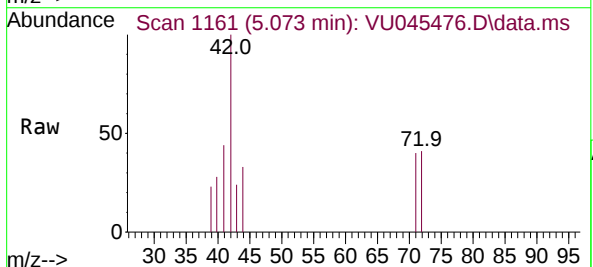
Instrument :
MSVOA_U
ClientSampleId :
SB-10(1.0-1.5)

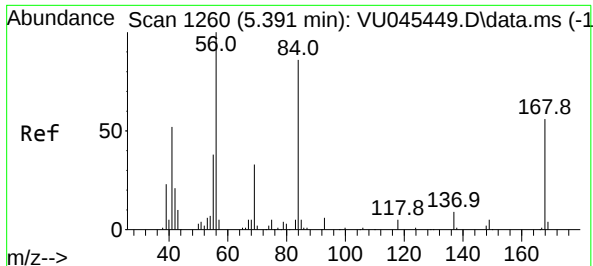
Tgt Ion:	84	Resp:	1998
Ion	Ratio	Lower	Upper
84	100		
49	127.9	96.4	144.6
51	46.9	30.5	45.7#
86	58.4	50.3	75.5



#29
Tetrahydrofuran
Concen: 1.414 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.016 min
Lab File: VU045476.D
Acq: 29 Oct 2021 19:59

Tgt Ion:	42	Resp:	2185
Ion	Ratio	Lower	Upper
42	100		
72	38.7	38.2	57.4
71	39.4	35.4	53.2

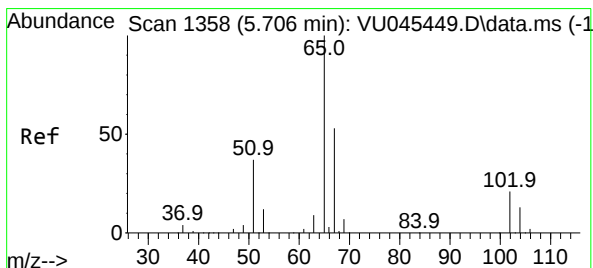
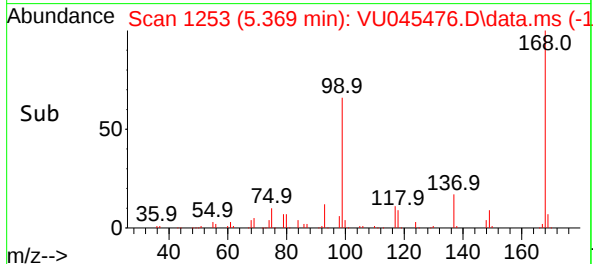
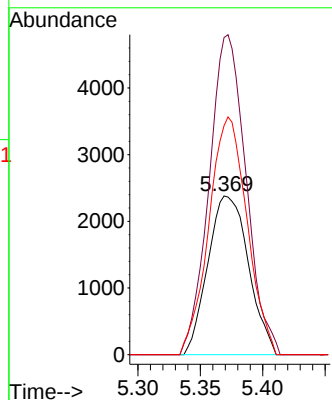
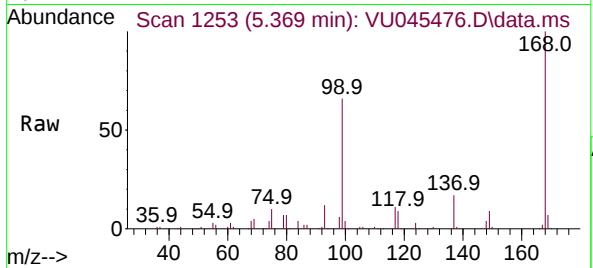




#31
Cyclohexane
Concen: 1.042 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.022 min
Lab File: VU045476.D
Acq: 29 Oct 2021 19:59

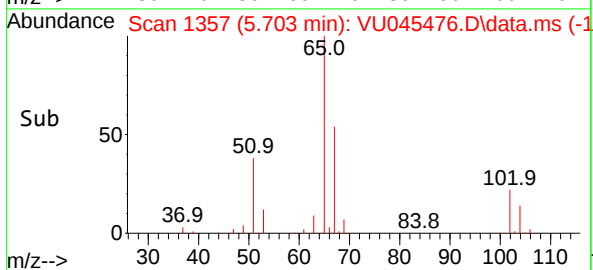
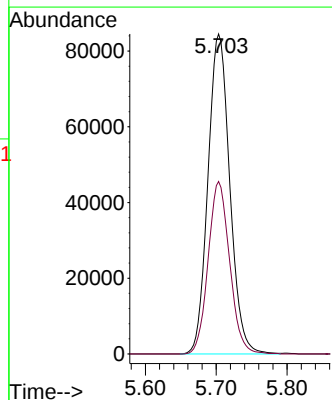
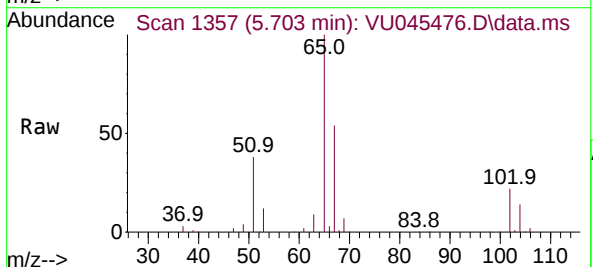
Instrument :
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SB-10(1.0-1.5)

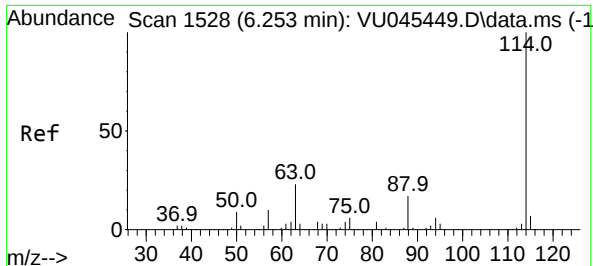
Tgt Ion: 56 Resp: 5392
Ion Ratio Lower Upper
56 100
69 199.7 26.4 39.6#
84 144.3 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 52.074 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU045476.D
Acq: 29 Oct 2021 19:59

Tgt Ion: 65 Resp: 181031
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU045476.D

Acq: 29 Oct 2021 19:59

Instrument :

MSVOA_U

ClientSampleId :

SB-10(1.0-1.5)

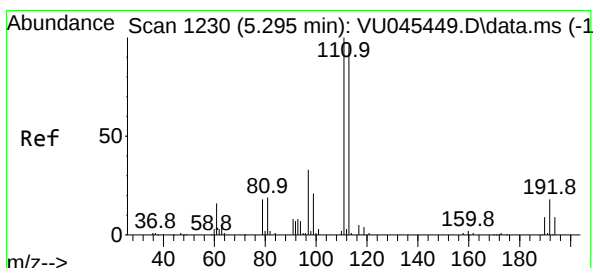
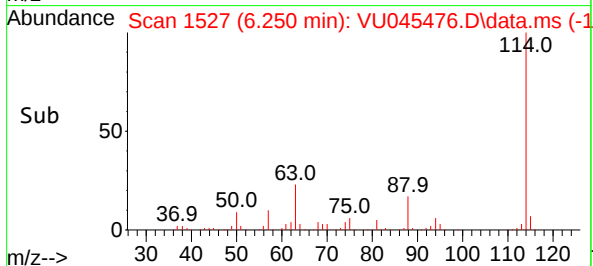
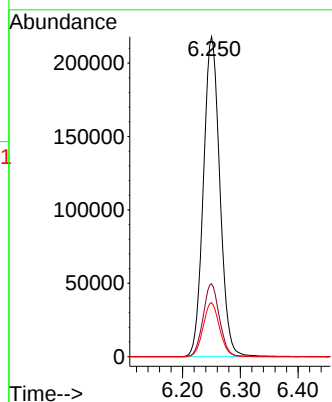
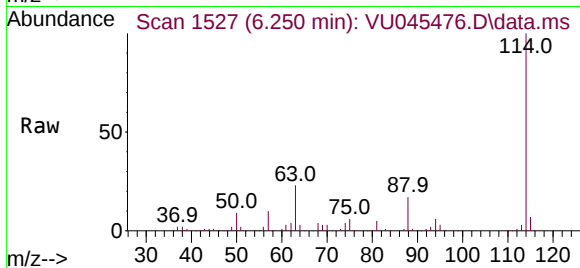
Tgt Ion:114 Resp: 430669

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.6

88 16.9 0.0 33.8



#35

Dibromofluoromethane

Concen: 48.169 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.003 min

Lab File: VU045476.D

Acq: 29 Oct 2021 19:59

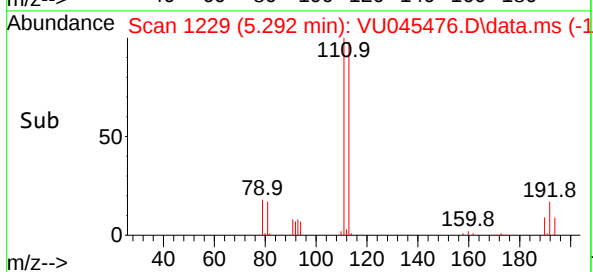
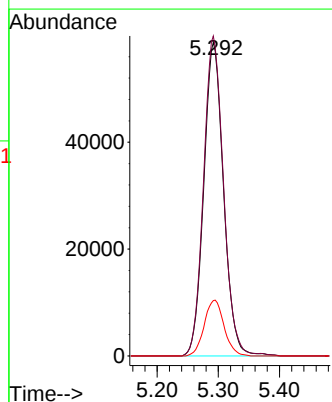
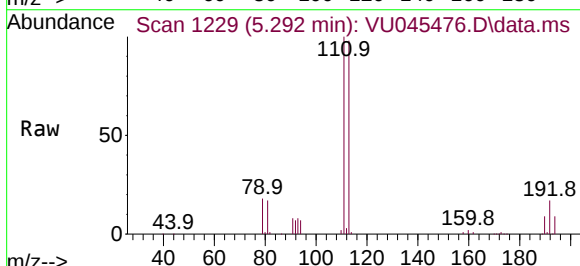
Tgt Ion:113 Resp: 131906

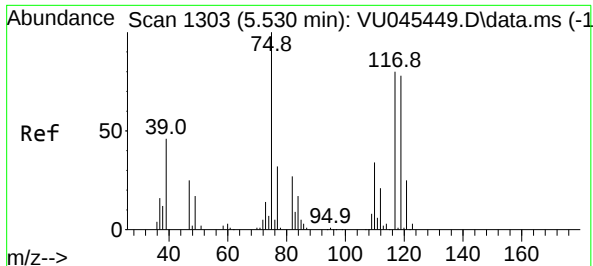
Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 17.9 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.919 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.157 min

Lab File: VU045476.D

Acq: 29 Oct 2021 19:59

Instrument :

MSVOA_U

ClientSampleId :

SB-10(1.0-1.5)

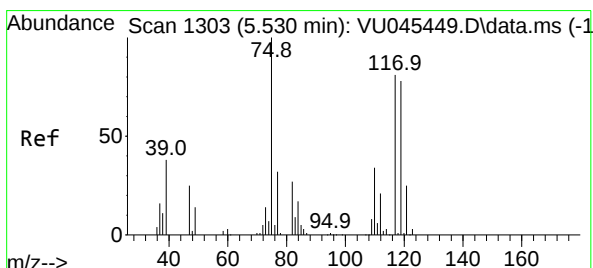
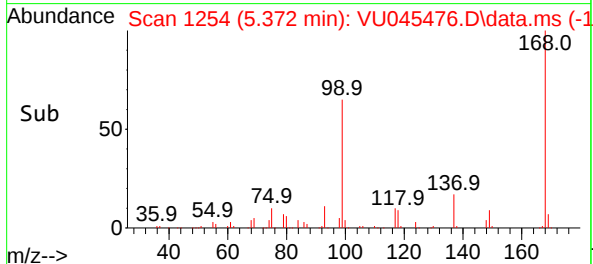
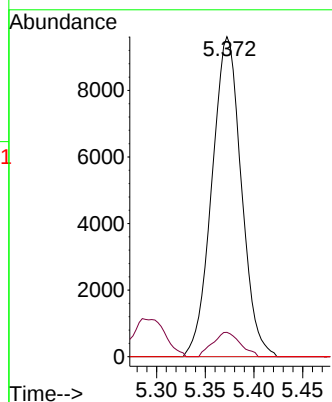
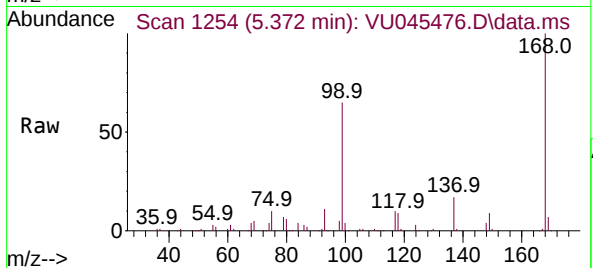
Tgt Ion: 75 Resp: 20164

Ion Ratio Lower Upper

75 100

110 7.1 16.7 50.0#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.212 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.157 min

Lab File: VU045476.D

Acq: 29 Oct 2021 19:59

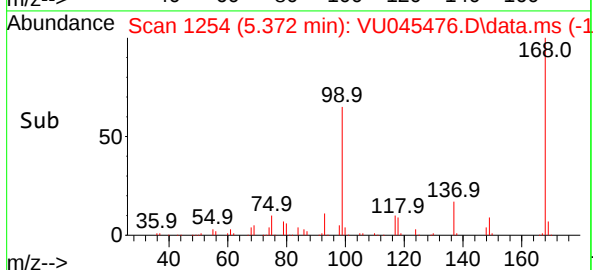
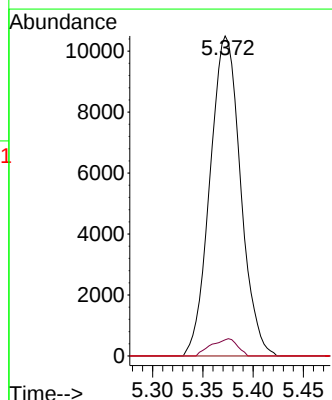
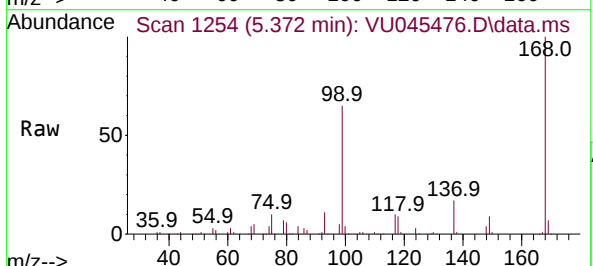
Tgt Ion: 117 Resp: 22212

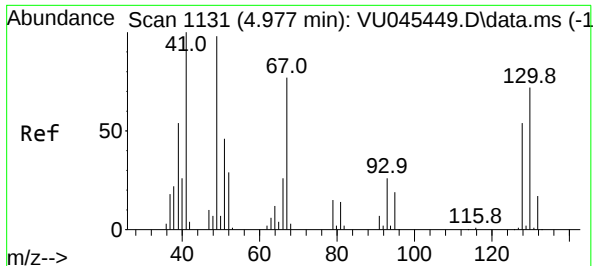
Ion Ratio Lower Upper

117 100

119 5.1 77.4 116.0#

121 0.0 24.8 37.2#

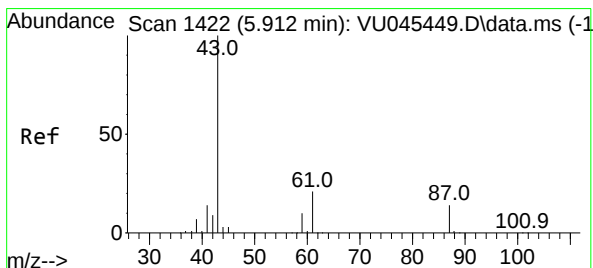
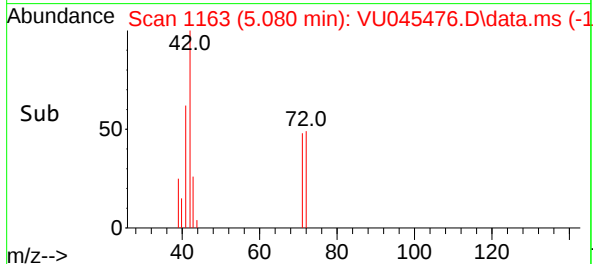
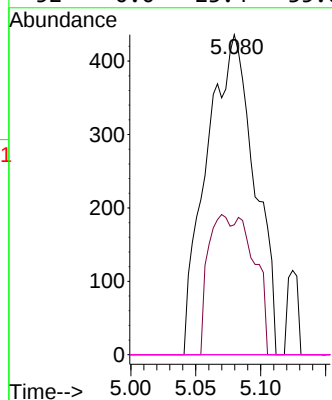
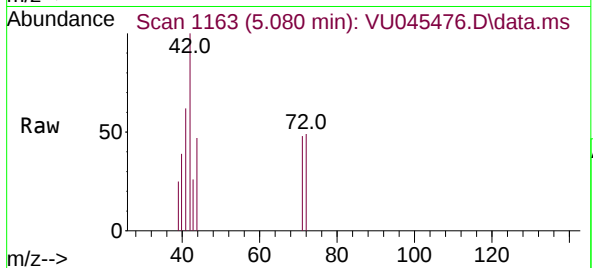




#41
Methacrylonitrile
Concen: 0.426 ug/l
RT: 5.080 min Scan# 1131
Delta R.T. 0.103 min
Lab File: VU045476.D
Acq: 29 Oct 2021 19:59

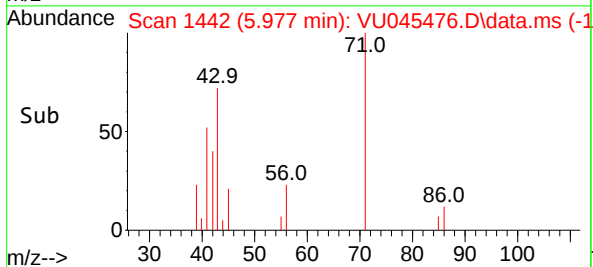
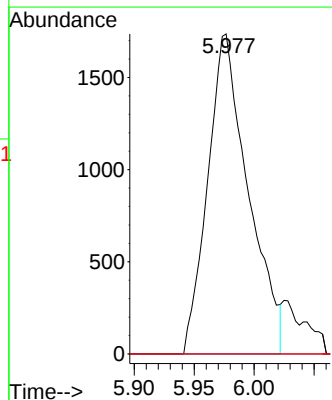
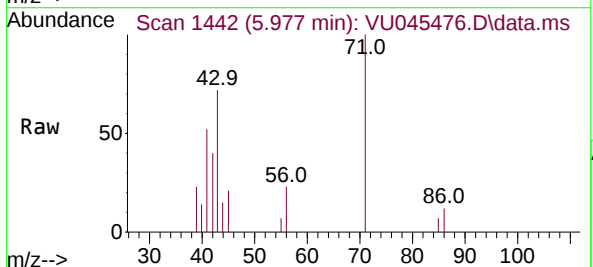
Instrument :
MSVOA_U
ClientSampleId :
SB-10(1.0-1.5)

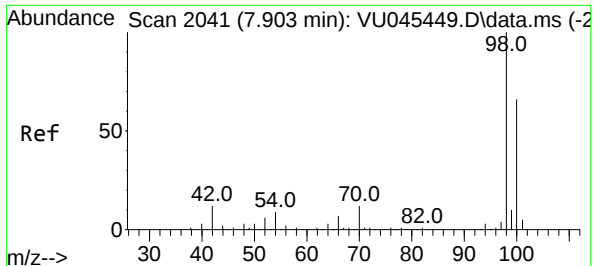
Tgt Ion:	41	Resp:	1120
Ion	Ratio	Lower	Upper
41	100		
39	20.4	43.4	65.0#
67	0.0	61.0	91.4#
52	0.0	23.4	35.0#



#43
Isopropyl Acetate
Concen: 0.546 ug/l
RT: 5.977 min Scan# 1442
Delta R.T. 0.064 min
Lab File: VU045476.D
Acq: 29 Oct 2021 19:59

Tgt Ion:	43	Resp:	4085
Ion	Ratio	Lower	Upper
43	100		
61	0.0	16.9	25.3#
87	0.0	11.0	16.4#

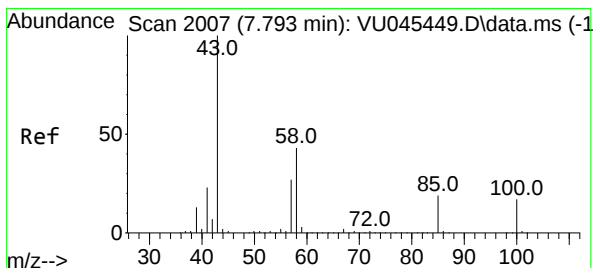
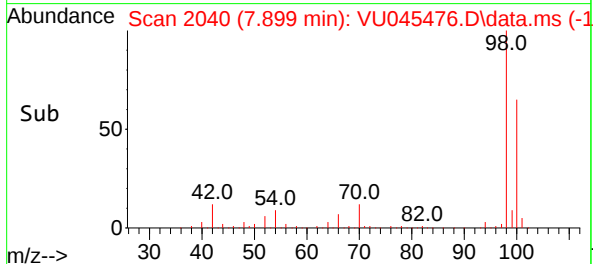
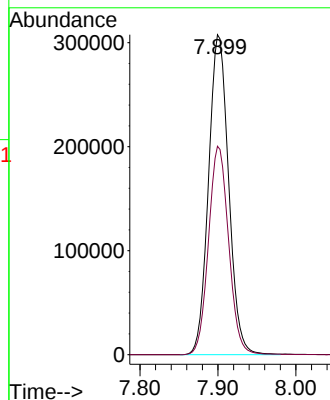
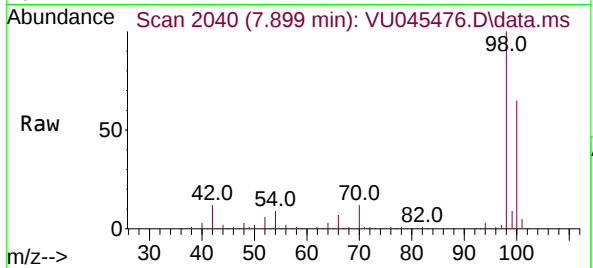




#50
Toluene-d8
Concen: 51.328 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU045476.D
Acq: 29 Oct 2021 19:59

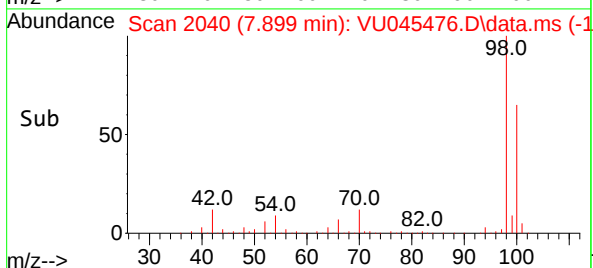
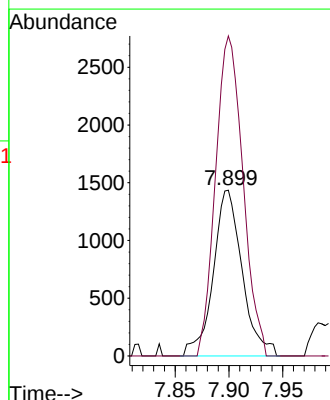
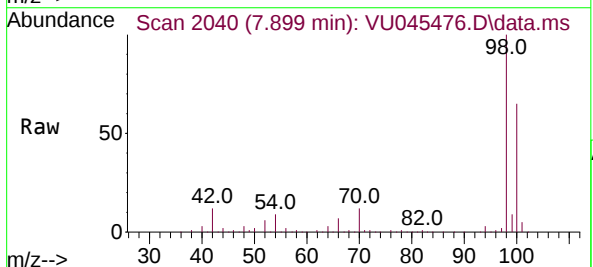
Instrument :
MSVOA_U
ClientSampleId :
SB-10(1.0-1.5)

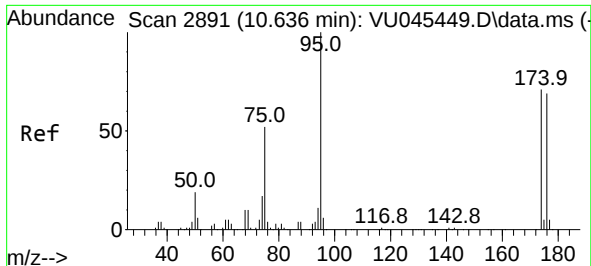
Tgt Ion: 98 Resp: 551181
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.555 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.106 min
Lab File: VU045476.D
Acq: 29 Oct 2021 19:59

Tgt Ion: 43 Resp: 2686
Ion Ratio Lower Upper
43 100
58 182.7 33.8 50.8#





#62

4-Bromofluorobenzene

Concen: 51.104 ug/l

RT: 10.642 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU045476.D

Acq: 29 Oct 2021 19:59

Instrument :

MSVOA_U

ClientSampleId :

SB-10(1.0-1.5)

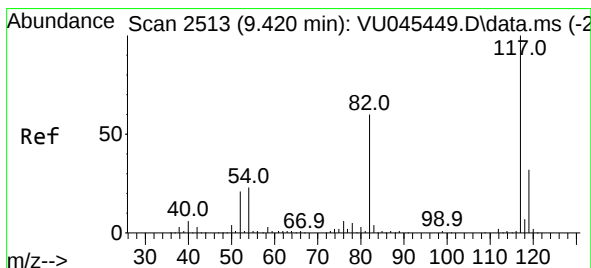
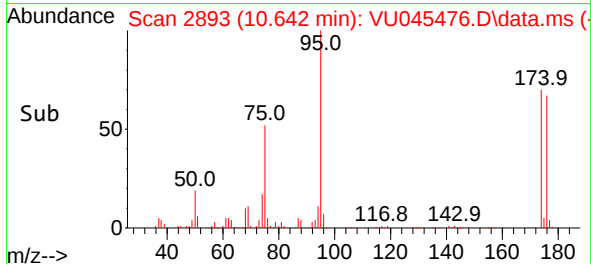
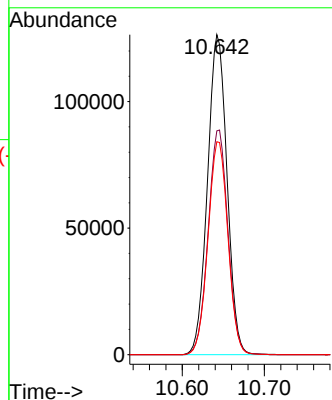
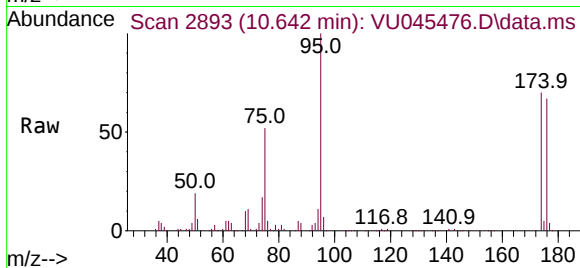
Tgt Ion: 95 Resp: 209116

Ion Ratio Lower Upper

95 100

174 71.0 0.0 141.8

176 67.8 0.0 138.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.423 min Scan# 2514

Delta R.T. 0.003 min

Lab File: VU045476.D

Acq: 29 Oct 2021 19:59

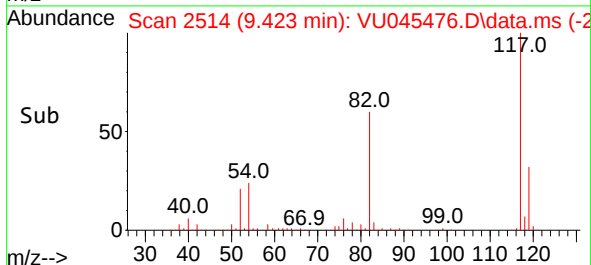
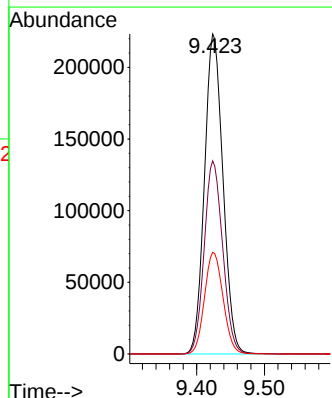
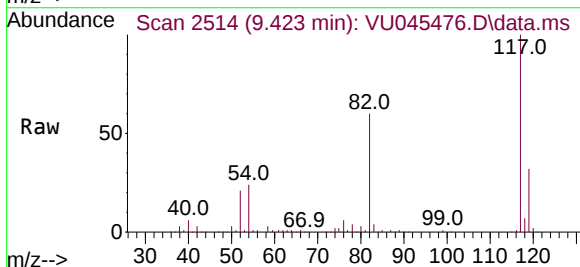
Tgt Ion: 117 Resp: 422954

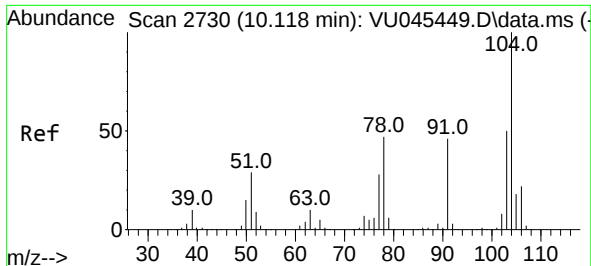
Ion Ratio Lower Upper

117 100

82 60.4 47.8 71.8

119 31.7 25.8 38.8

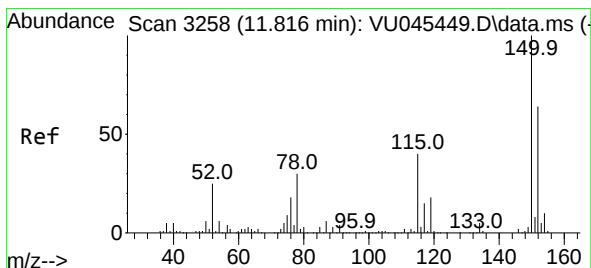
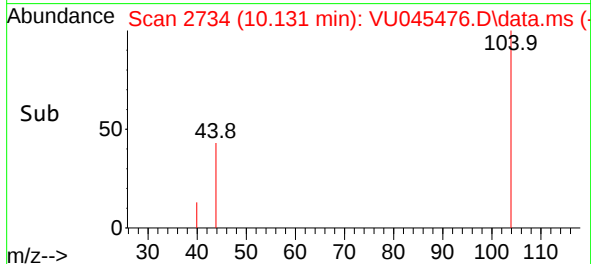
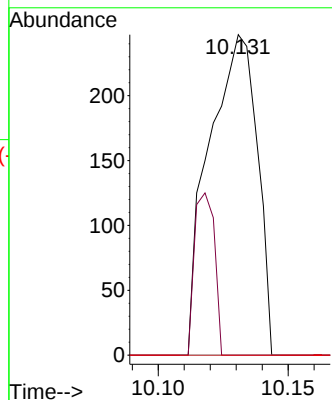
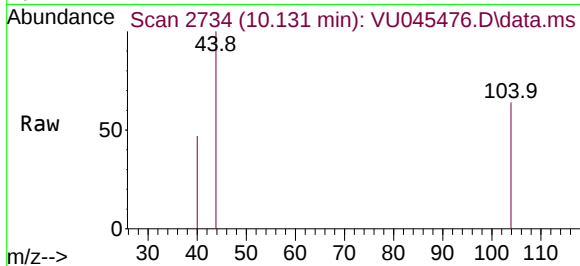




#70
Styrene
Concen: 1.007 ug/l
RT: 10.131 min Scan# 21
Delta R.T. 0.013 min
Lab File: VU045476.D
Acq: 29 Oct 2021 19:59

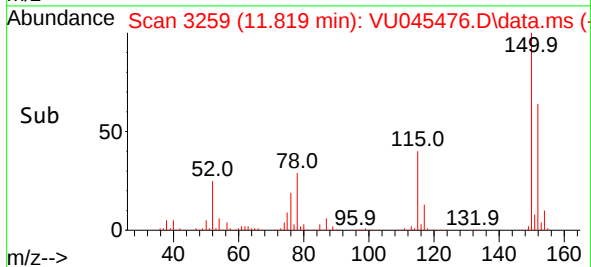
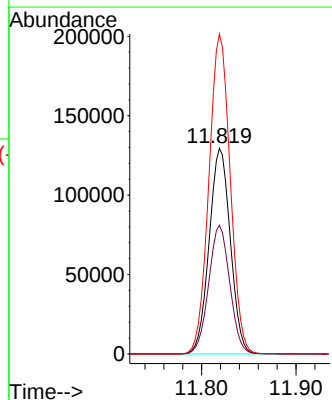
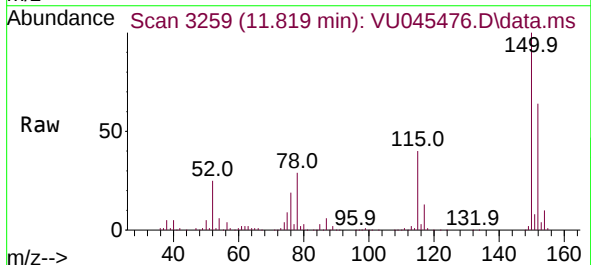
Instrument :
MSVOA_U
ClientSampleId :
SB-10(1.0-1.5)

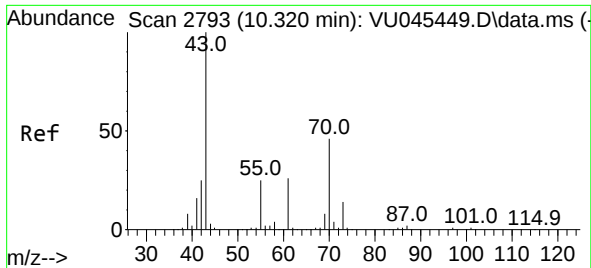
Tgt Ion:104 Resp: 317
Ion Ratio Lower Upper
104 100
78 21.1 41.8 62.6#
103 0.0 43.8 65.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. 0.003 min
Lab File: VU045476.D
Acq: 29 Oct 2021 19:59

Tgt Ion:152 Resp: 201520
Ion Ratio Lower Upper
152 100
115 62.4 42.7 128.1
150 156.3 0.0 346.8

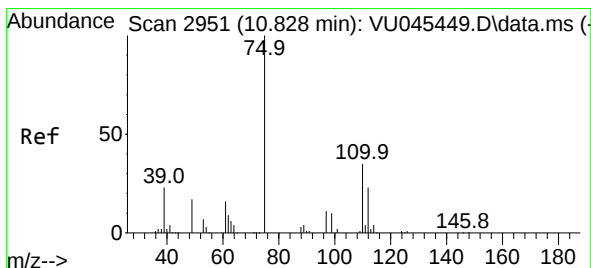
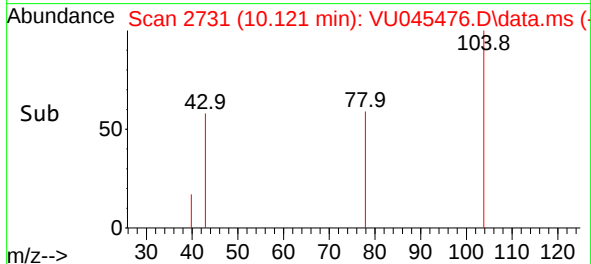
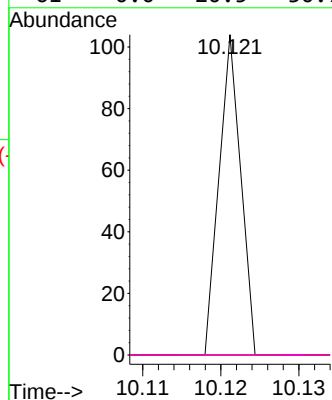
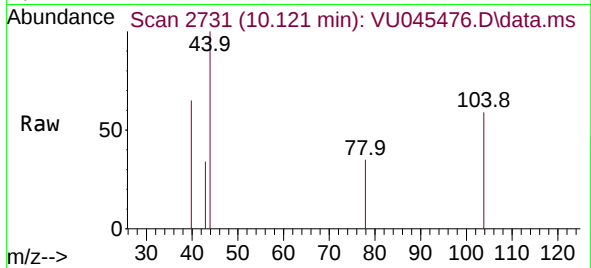




#74
N-amy1 acetate
Concen: 1.158 ug/l
RT: 10.121 min Scan# 21
Delta R.T. -0.199 min
Lab File: VU045476.D
Acq: 29 Oct 2021 19:59

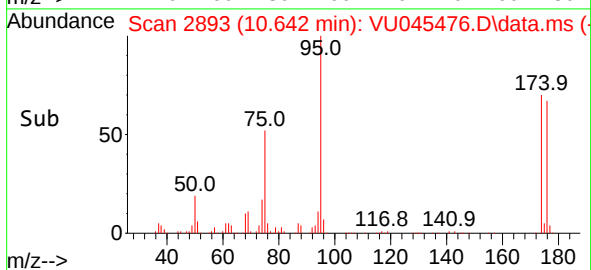
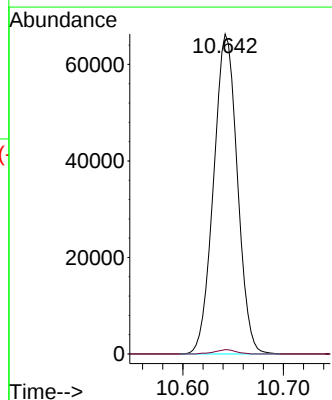
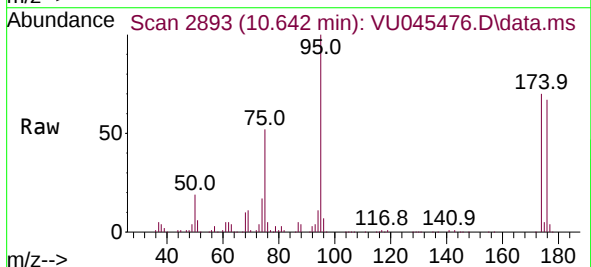
Instrument :
MSVOA_U
ClientSampleId :
SB-10(1.0-1.5)

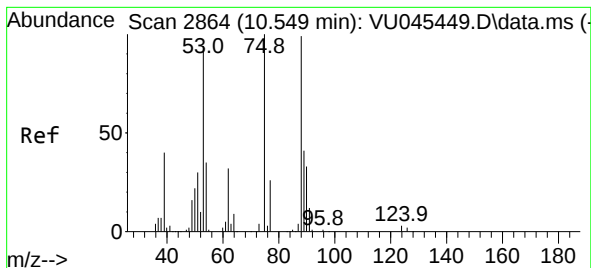
Tgt Ion: 43	Resp: 20
Ion Ratio	Lower Upper
43 100	
70 0.0	36.9 55.3#
55 0.0	20.6 31.0#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 20.280 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. -0.186 min
Lab File: VU045476.D
Acq: 29 Oct 2021 19:59

Tgt Ion: 75	Resp: 108889
Ion Ratio	Lower Upper
75 100	
77 1.2	17.1 51.3#

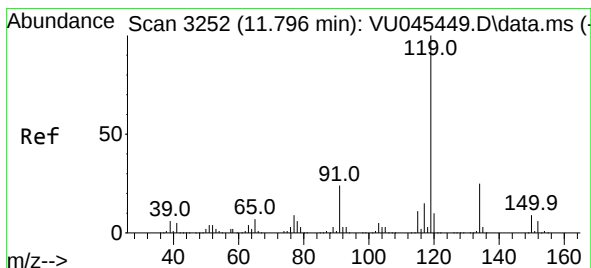
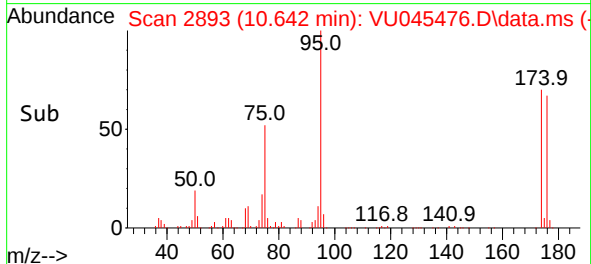
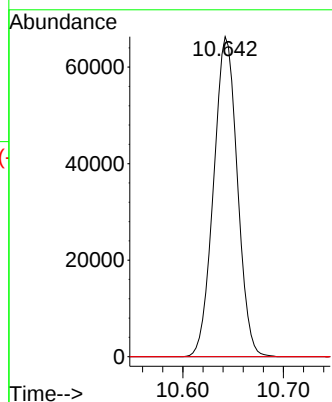
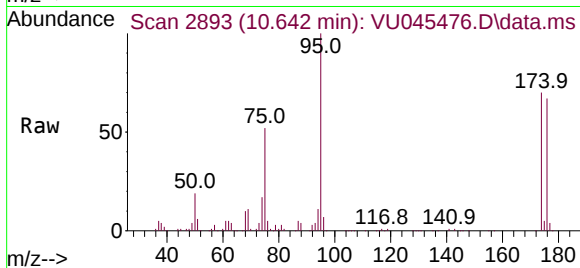




#81
trans-1,4-Dichloro-2-butene
Concen: 56.291 ug/l
RT: 10.642 min Scan# 21
Delta R.T. 0.093 min
Lab File: VU045476.D
Acq: 29 Oct 2021 19:59

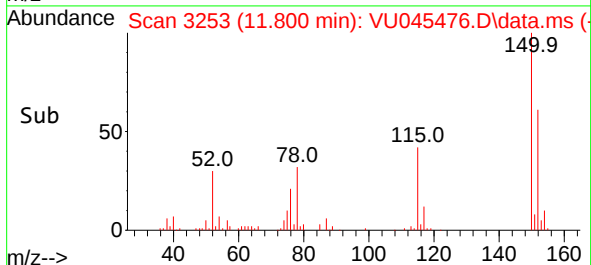
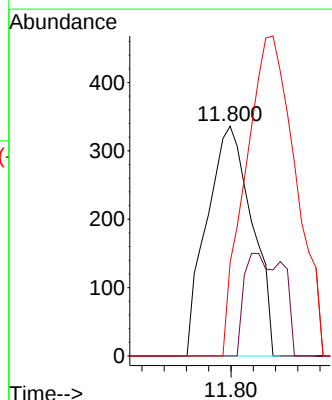
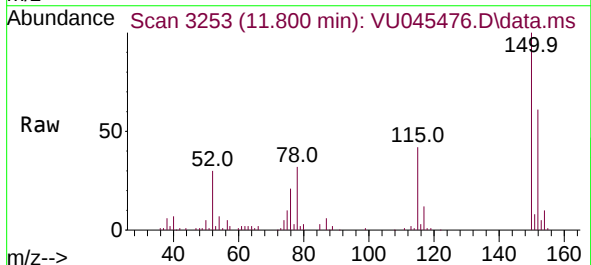
Instrument :
MSVOA_U
ClientSampleId :
SB-10(1.0-1.5)

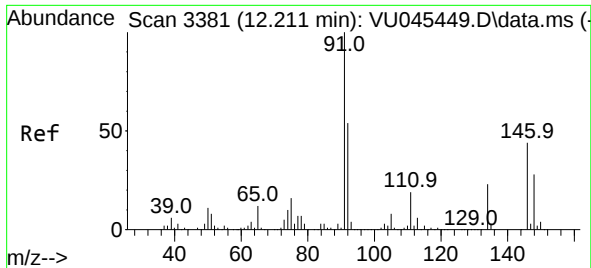
Tgt Ion: 75 Resp: 108889
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#86
p-Isopropyltoluene
Concen: 0.225 ug/l
RT: 11.800 min Scan# 3253
Delta R.T. 0.004 min
Lab File: VU045476.D
Acq: 29 Oct 2021 19:59

Tgt Ion: 119 Resp: 474
Ion Ratio Lower Upper
119 100
134 38.2 12.7 38.1#
91 154.4 12.2 36.4#





#89

n-Butylbenzene

Concen: 0.994 ug/l

RT: 12.211 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU045476.D

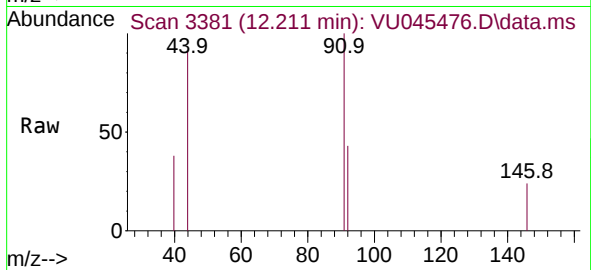
Acq: 29 Oct 2021 19:59

Instrument :

MSVOA_U

ClientSampleId :

SB-10(1.0-1.5)



Tgt Ion:	91	Resp:	719
Ion	Ratio	Lower	Upper
91	100		
92	45.6	27.1	81.2
134	0.0	11.8	35.4#

