

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040221\
 Data File : VU042900.D
 Acq On : 02 Apr 2021 17:00
 Operator : SY/MD
 Sample : M1903-01 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 30776

Quant Time: Apr 03 00:13:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U032421W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 25 05:42:00 2021
 Response via : Initial Calibration

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

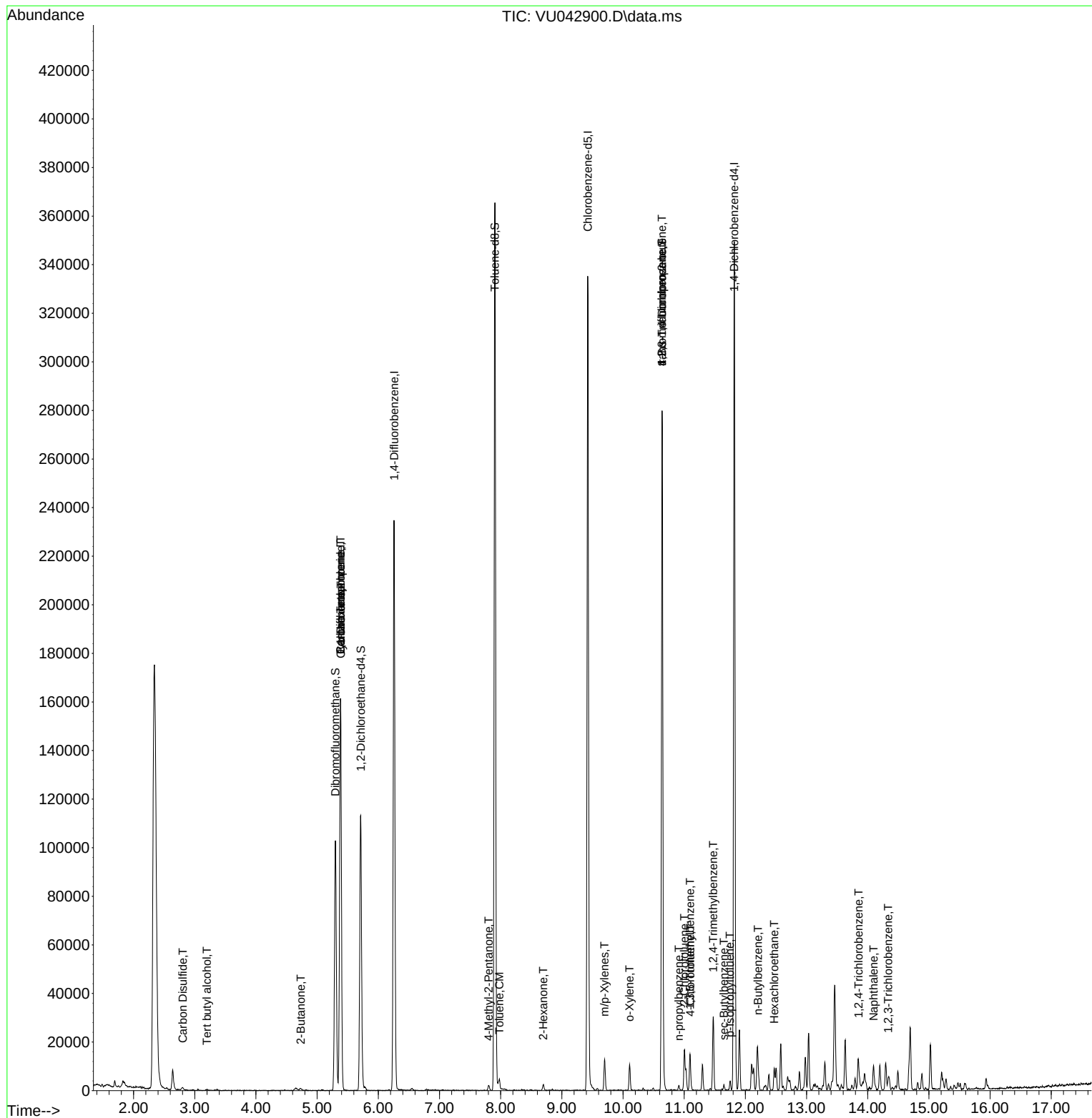
Internal Standards						
1) Pentafluorobenzene	5.382	168	111660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.260	114	177016	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	169731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	84288	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	89102	50.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.12%	
35) Dibromofluoromethane	5.298	113	61902	46.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.72%	
50) Toluene-d8	7.906	98	223378	48.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.12%	
62) 4-Bromofluorobenzene	10.639	95	81272	45.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.00%	
Target Compounds					Qvalue	
5) Bromomethane	1.861	94	69	Below Cal		83
6) Chloroethane	1.916	64	89	Below Cal	#	43
11) Tert butyl alcohol	3.199	59	328	0.86 ug/l	#	74
16) Acetone	2.639	43	10745	Below Cal		92
17) Carbon Disulfide	2.803	76	622	0.22 ug/l	#	75
25) 2-Butanone	4.732	43	2077	1.43 ug/l	#	54
31) Cyclohexane	5.385	56	2653	1.20 ug/l	#	32
36) 1,1-Dichloropropene	5.382	75	8968	5.12 ug/l	#	50
38) Carbon Tetrachloride	5.382	117	10887	5.45 ug/l	#	17
51) 4-Methyl-2-Pentanone	7.803	43	1633	0.57 ug/l		92
52) Toluene	7.980	92	1319	0.41 ug/l		90
59) 2-Hexanone	8.697	43	2012	0.88 ug/l		87
68) m/p-Xylenes	9.697	106	3320	1.46 ug/l		93
69) o-Xylene	10.105	106	2486	1.13 ug/l		96
76) 1,2,3-Trichloropropane	10.639	75	46685	21.78 ug/l	#	37
78) n-propylbenzene	10.915	91	1632	0.26 ug/l		97
79) 2-Chlorotoluene	11.002	91	2233	0.59 ug/l	#	41
80) 1,3,5-Trimethylbenzene	11.095	105	7847	1.70 ug/l		100
81) trans-1,4-Dichloro-2-b...	10.639	75	46685	64.53 ug/l	#	6
82) 4-Chlorotoluene	11.102	91	1435	0.32 ug/l	#	59
84) 1,2,4-Trimethylbenzene	11.475	105	16354	3.50 ug/l		97
85) sec-Butylbenzene	11.648	105	1674	0.32 ug/l		88
86) p-Isopropyltoluene	11.748	119	1997	0.42 ug/l		97
89) n-Butylbenzene	12.208	91	3651	0.81 ug/l	#	34
90) Hexachloroethane	12.472	117	626	0.69 ug/l	#	6
93) 1,2,4-Trichlorobenzene	13.851	180	1147	0.67 ug/l	#	86
95) Naphthalene	14.095	128	8326	3.96 ug/l		98
96) 1,2,3-Trichlorobenzene	14.336	180	1537	0.89 ug/l	#	84

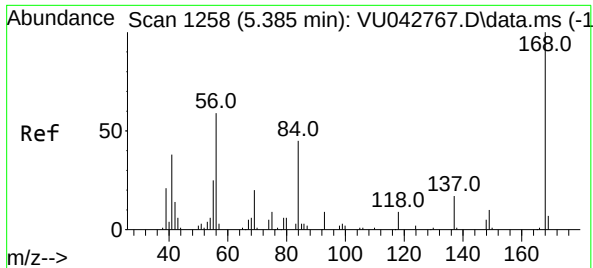
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 25 05:42:00 2021
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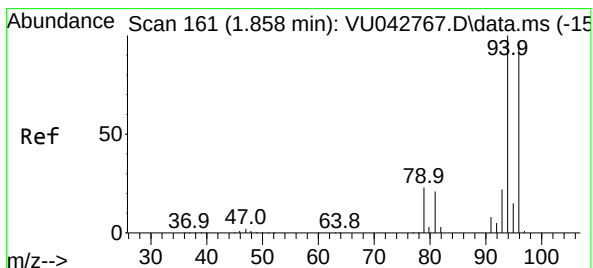
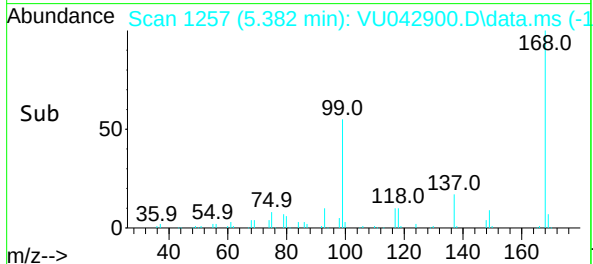
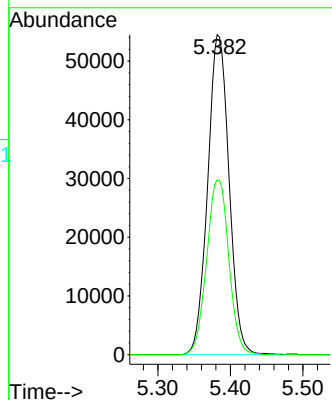
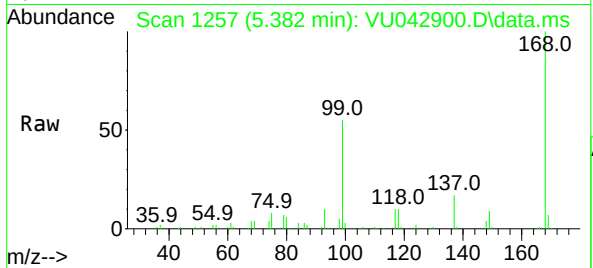




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

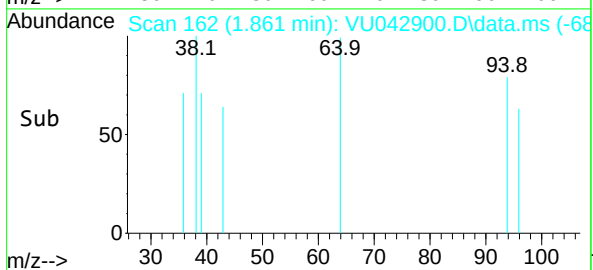
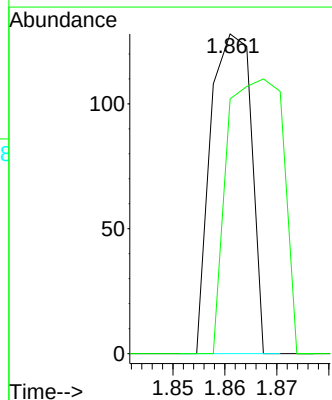
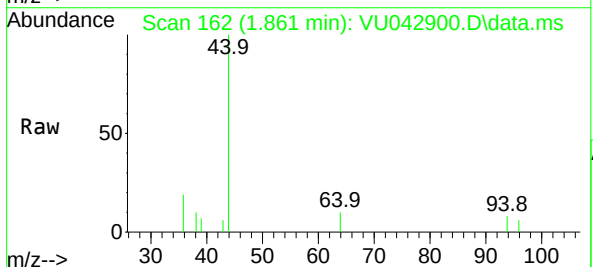
Instrument :
MSVOA_U
ClientSampleId :
30776

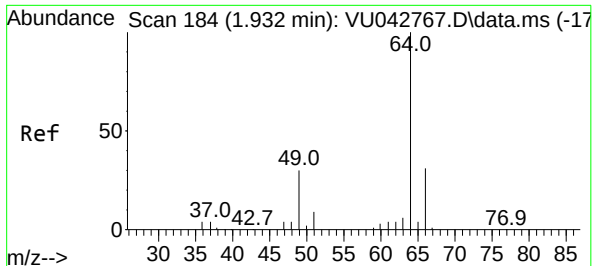
Tgt Ion:168 Resp: 111660
Ion Ratio Lower Upper
168 100
99 54.6 46.4 69.6



#5
Bromomethane
Concen: Below Cal
RT: 1.861 min Scan# 162
Delta R.T. 0.003 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

Tgt Ion: 94 Resp: 69
Ion Ratio Lower Upper
94 100
96 79.7 77.1 115.7

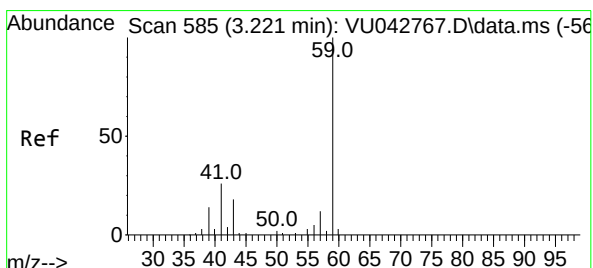
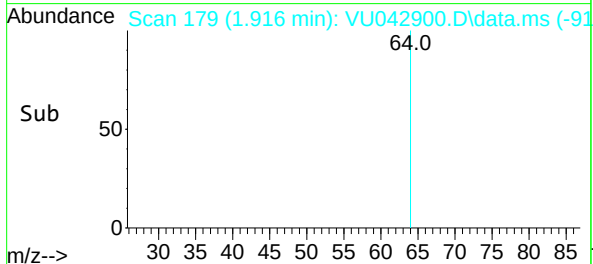
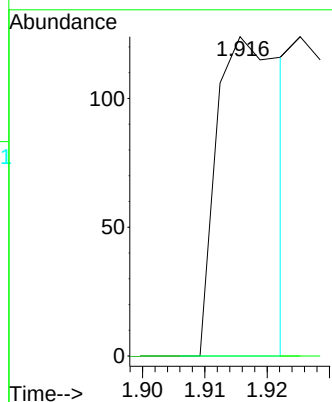
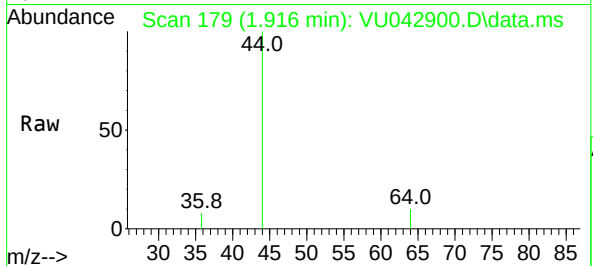




#6
Chloroethane
Concen: Below Cal
RT: 1.916 min Scan# 179
Delta R.T. -0.016 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

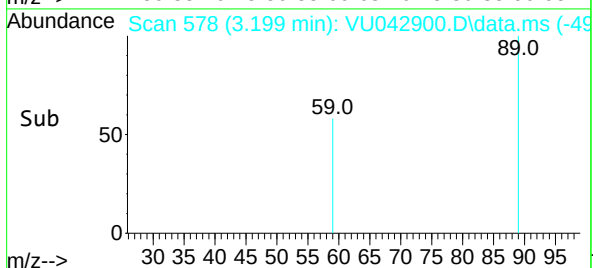
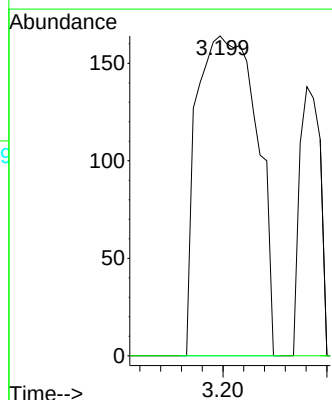
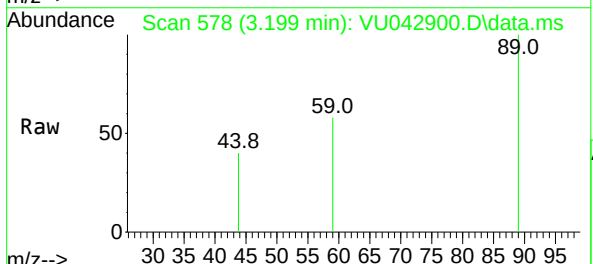
Instrument :
MSVOA_U
ClientSampled :
30776

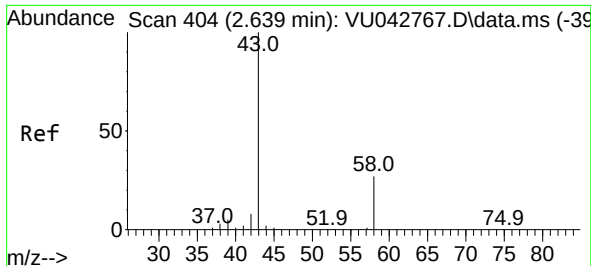
Tgt Ion: 64 Resp: 89
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#



#11
Tert butyl alcohol
Concen: 0.86 ug/l
RT: 3.199 min Scan# 578
Delta R.T. -0.023 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

Tgt Ion: 59 Resp: 328
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

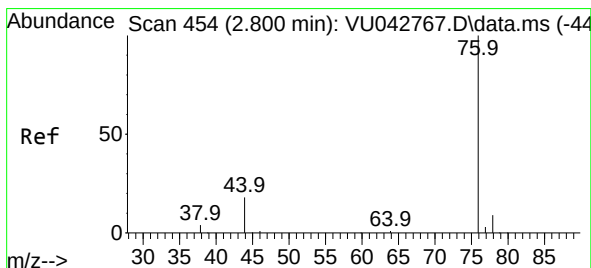
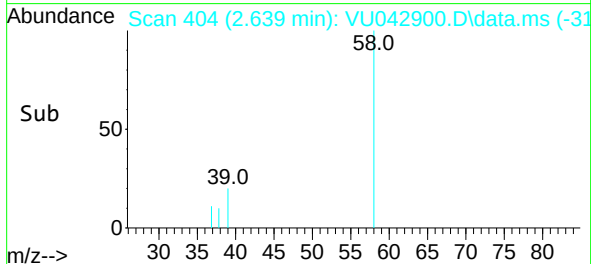
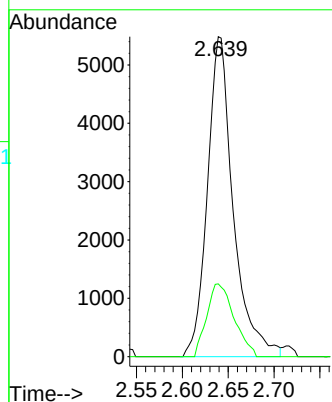
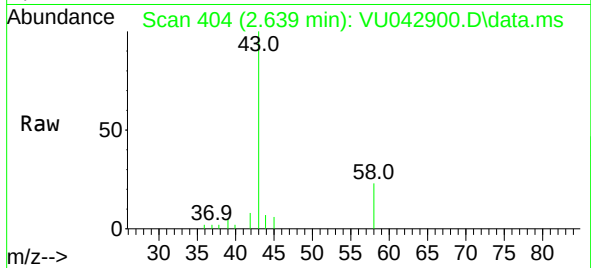




#16
Acetone
Concen: Below Cal
RT: 2.639 min Scan# 404
Delta R.T. 0.000 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

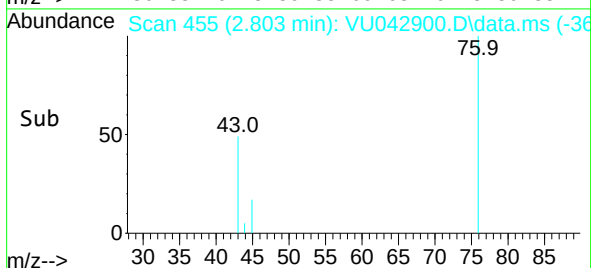
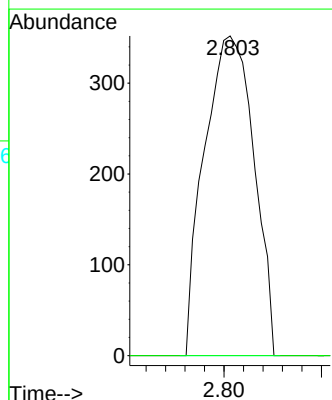
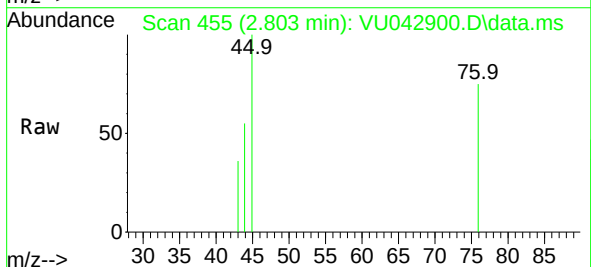
Instrument :
MSVOA_U
ClientSampled :
30776

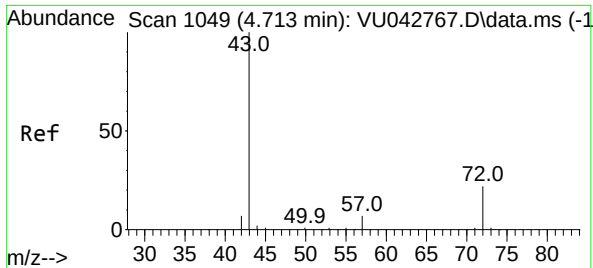
Tgt Ion: 43 Resp: 10745
Ion Ratio Lower Upper
43 100
58 22.8 21.6 32.4



#17
Carbon Disulfide
Concen: 0.22 ug/l
RT: 2.803 min Scan# 455
Delta R.T. 0.003 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

Tgt Ion: 76 Resp: 622
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

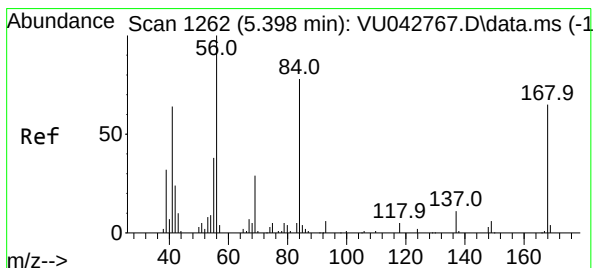
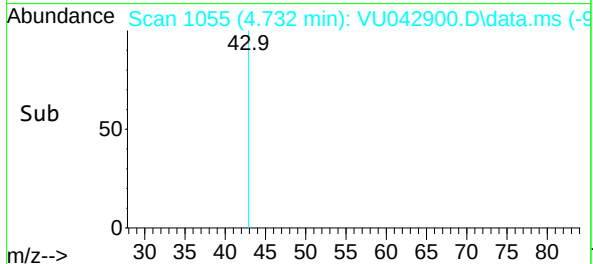
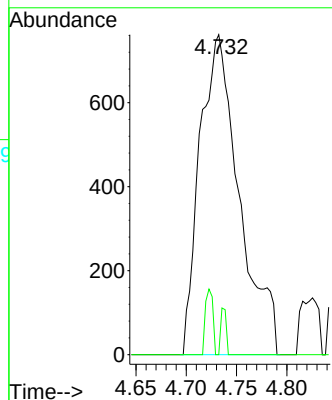
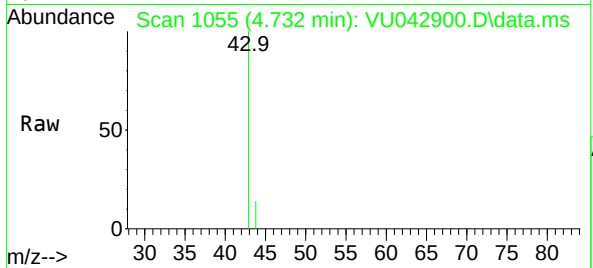




#25
2-Butanone
Concen: 1.43 ug/l
RT: 4.732 min Scan# 1055
Delta R.T. 0.019 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

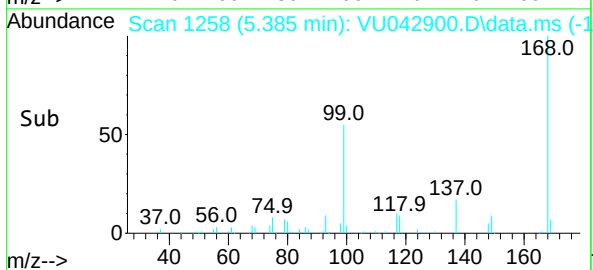
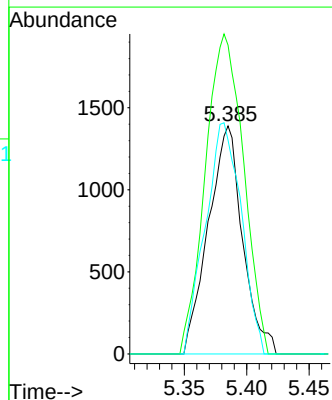
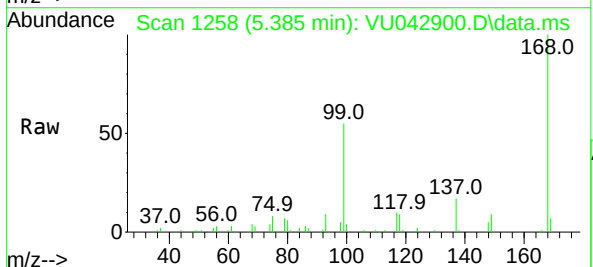
Instrument :
MSVOA_U
ClientSampled :
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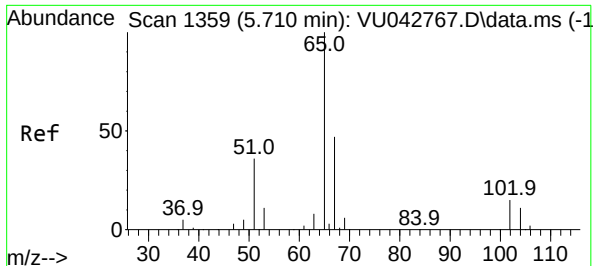
Tgt Ion: 43 Resp: 2077
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.20 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.013 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

Tgt Ion: 56 Resp: 2653
Ion Ratio Lower Upper
56 100
69 135.5 23.3 34.9#
84 93.8 62.2 93.4#

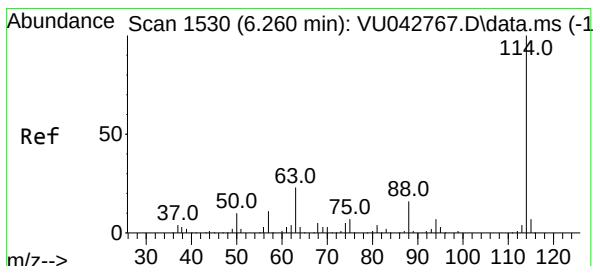
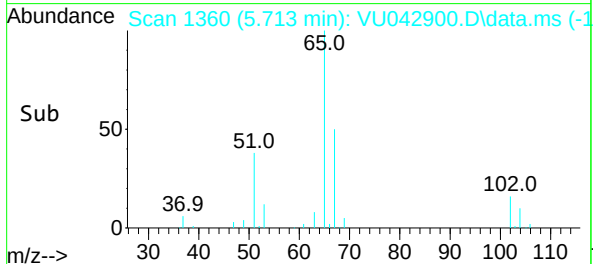
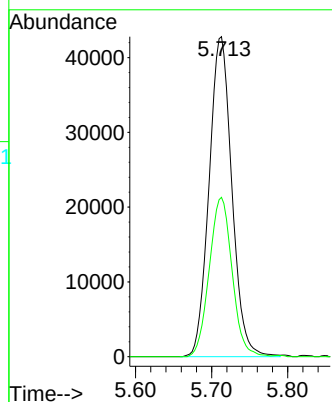
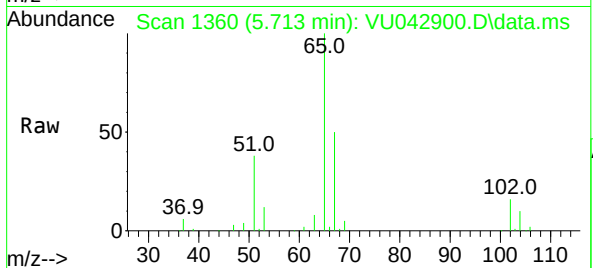




#33
1,2-Dichloroethane-d4
Concen: 50.06 ug/l
RT: 5.713 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

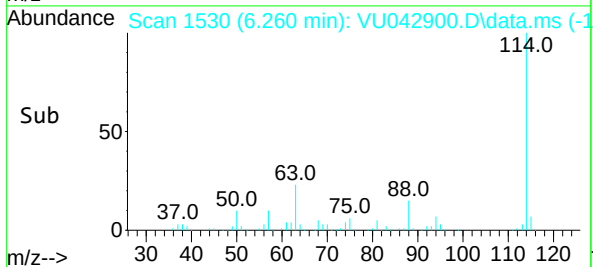
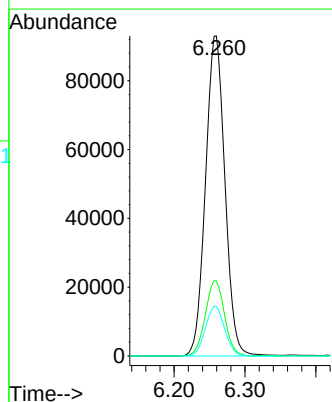
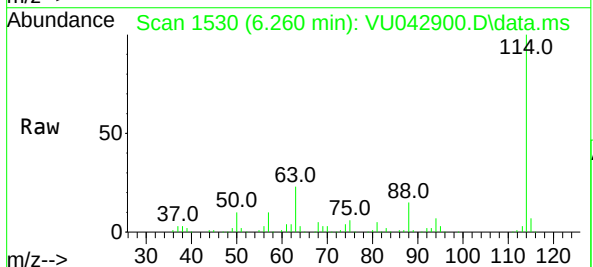
Instrument :
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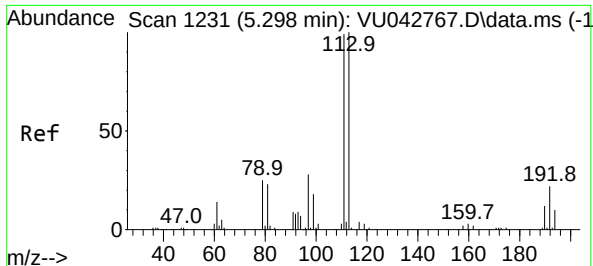
Tgt Ion: 65 Resp: 89102
Ion Ratio Lower Upper
65 100
67 49.9 0.0 98.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.260 min Scan# 1530
Delta R.T. -0.000 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

Tgt Ion: 114 Resp: 177016
Ion Ratio Lower Upper
114 100
63 23.5 0.0 46.8
88 15.5 0.0 32.2

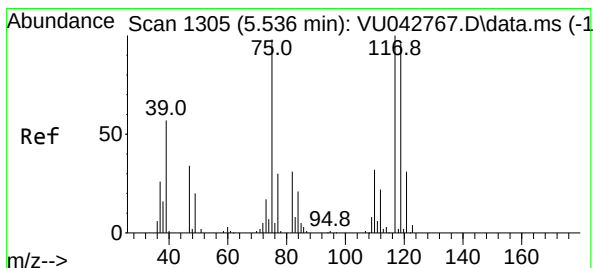
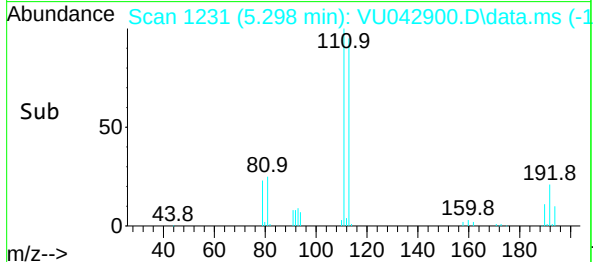
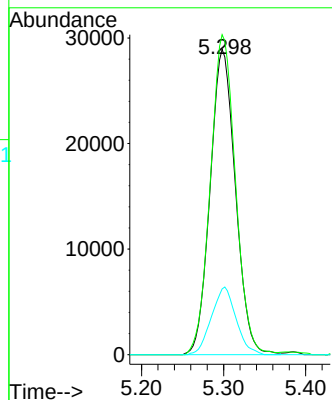
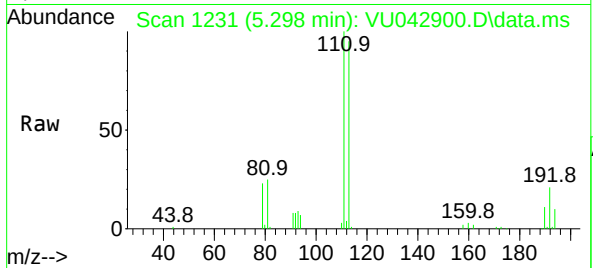




#35
Dibromofluoromethane
Concen: 46.86 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

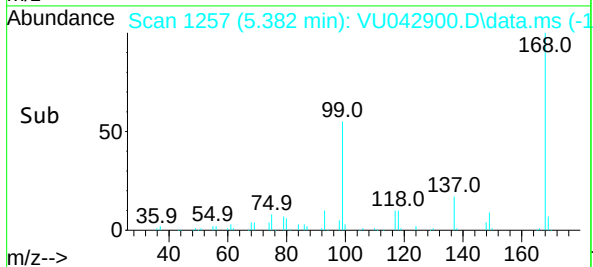
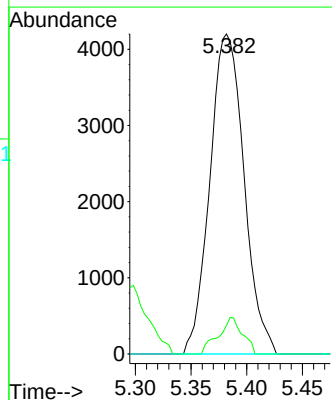
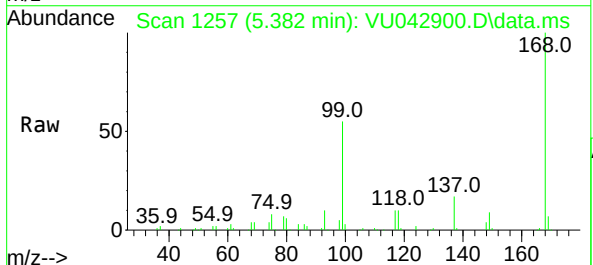
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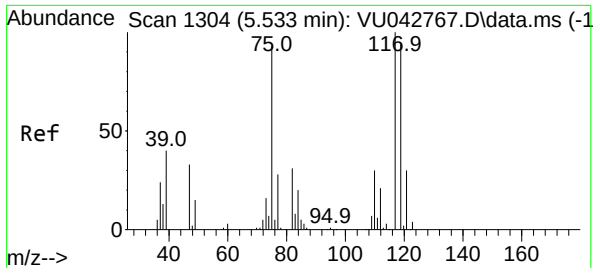
Tgt Ion:113 Resp: 61902
Ion Ratio Lower Upper
113 100
111 104.0 82.1 123.1
192 21.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.12 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.154 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

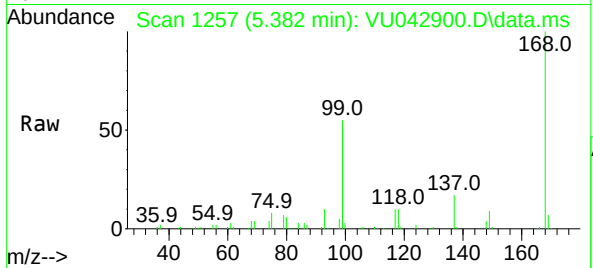
Tgt Ion: 75 Resp: 8968
Ion Ratio Lower Upper
75 100
110 8.1 16.6 49.7#
77 0.0 24.7 37.1#



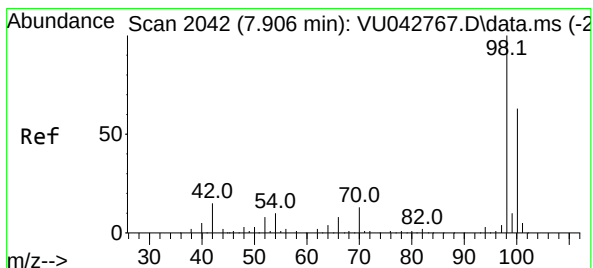
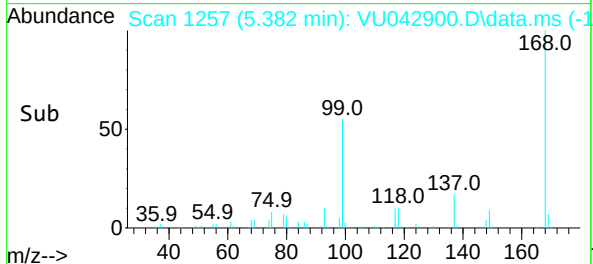
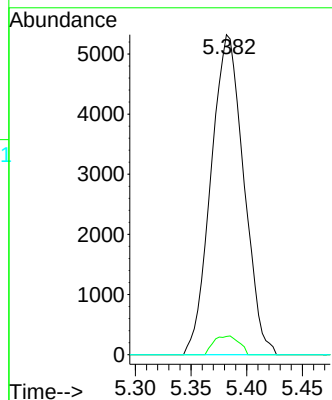


#38
Carbon Tetrachloride
Concen: 5.45 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

Instrument :
MSVOA_U
ClientSampled :
30776

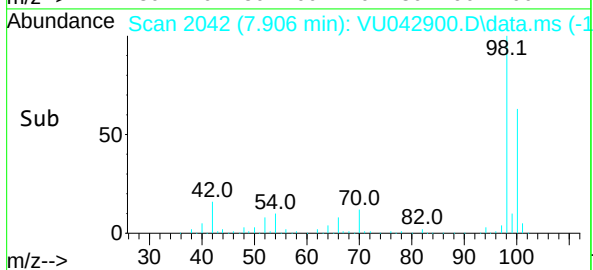
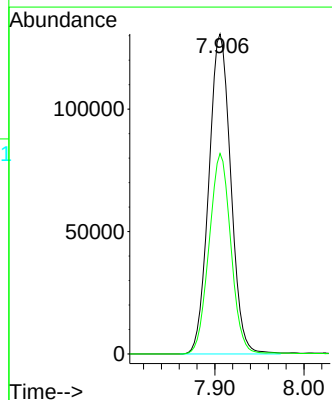
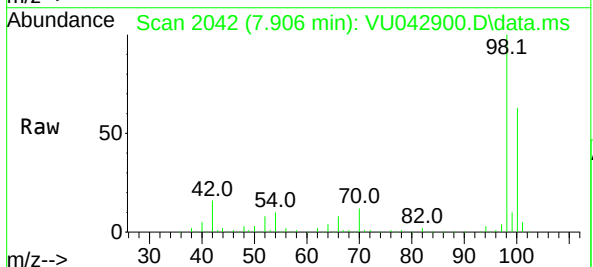


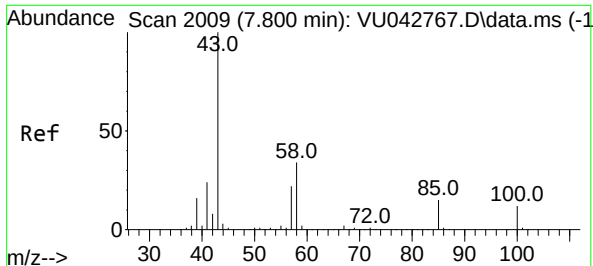
Tgt Ion:117 Resp: 10887
Ion Ratio Lower Upper
117 100
119 5.7 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 48.06 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

Tgt Ion: 98 Resp: 223378
Ion Ratio Lower Upper
98 100
100 62.0 50.4 75.6

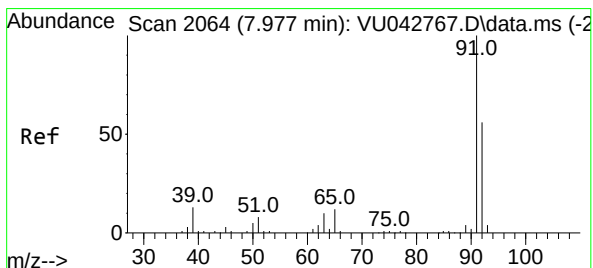
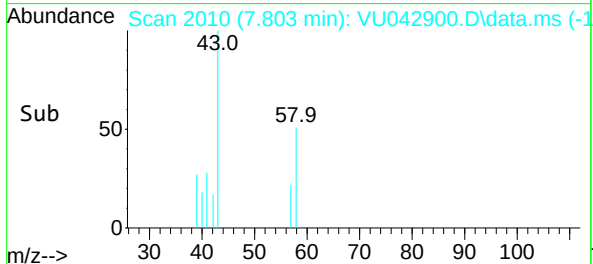
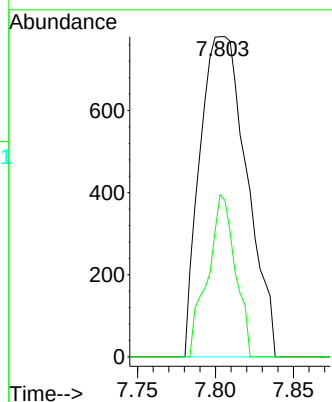
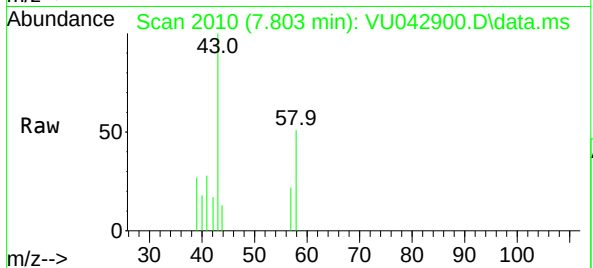




#51
4-Methyl-2-Pentanone
Concen: 0.57 ug/l
RT: 7.803 min Scan# 2010
Delta R.T. 0.003 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

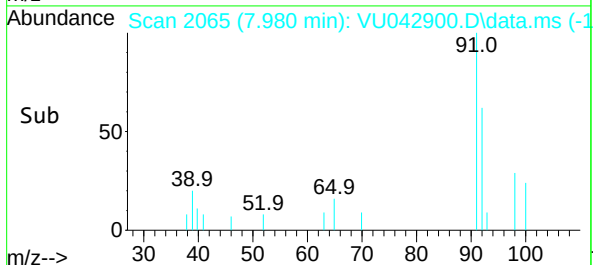
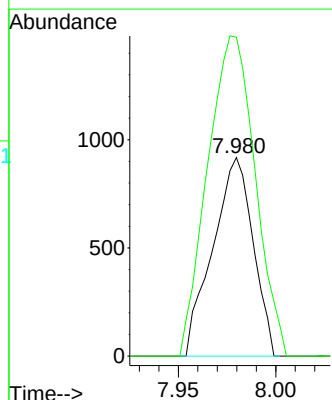
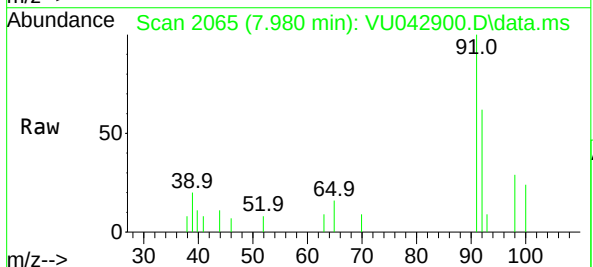
Instrument :
MSVOA_U
ClientSampled :
30776

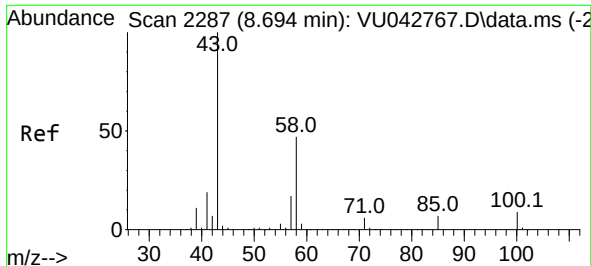
Tgt Ion: 43 Resp: 1633
Ion Ratio Lower Upper
43 100
58 29.6 27.4 41.2



#52
Toluene
Concen: 0.41 ug/l
RT: 7.980 min Scan# 2065
Delta R.T. 0.003 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

Tgt Ion: 92 Resp: 1319
Ion Ratio Lower Upper
92 100
91 190.2 140.6 210.8

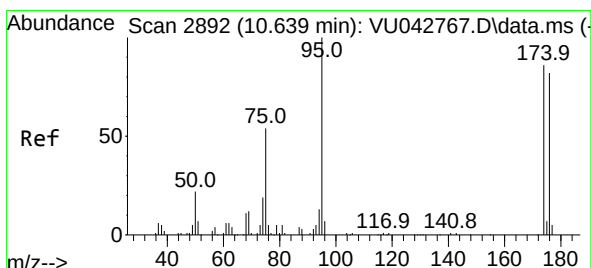
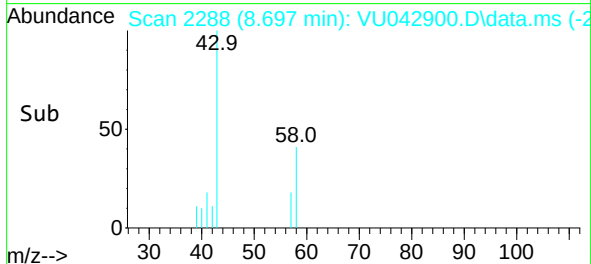
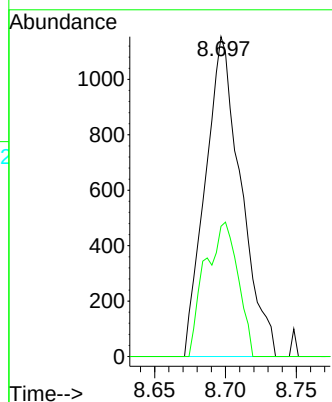
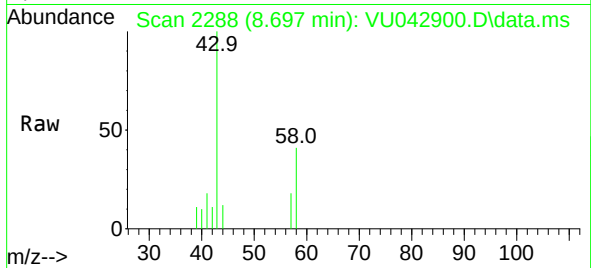




#59
2-Hexanone
Concen: 0.88 ug/l
RT: 8.697 min Scan# 2288
Delta R.T. 0.003 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

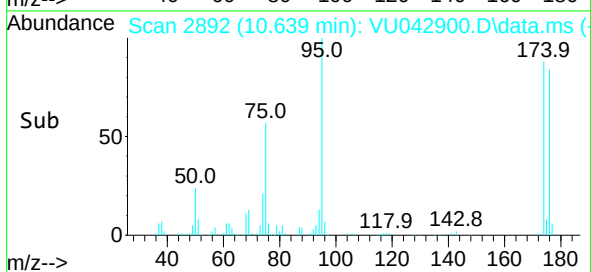
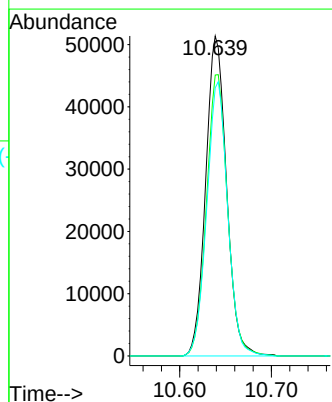
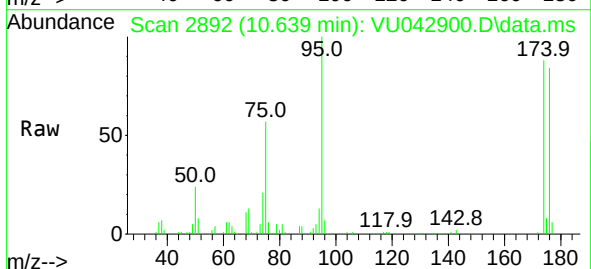
Instrument :
MSVOA_U
ClientSampled :
30776

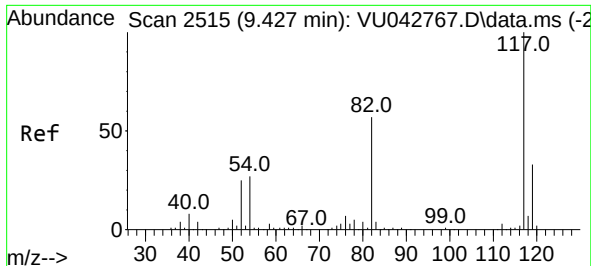
Tgt Ion: 43 Resp: 2012
Ion Ratio Lower Upper
43 100
58 38.7 23.8 71.2



#62
4-Bromofluorobenzene
Concen: 45.00 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

Tgt Ion: 95 Resp: 81272
Ion Ratio Lower Upper
95 100
174 88.9 0.0 175.2
176 86.0 0.0 167.4

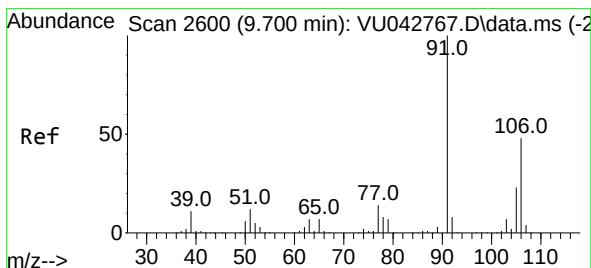
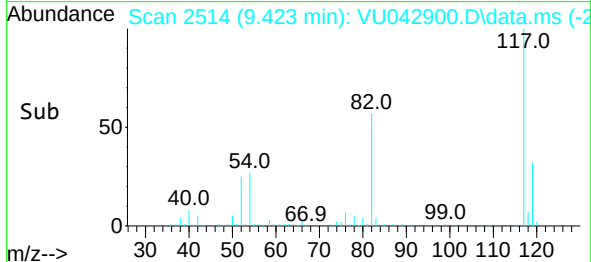
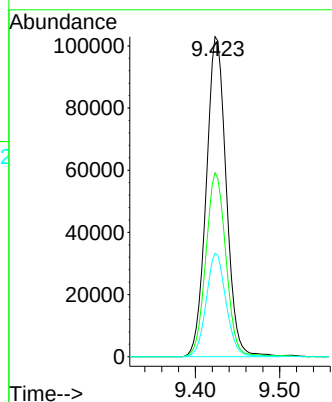
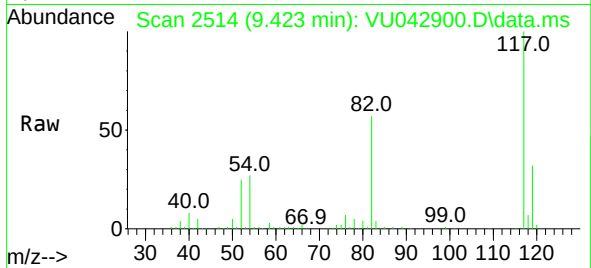




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.003 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

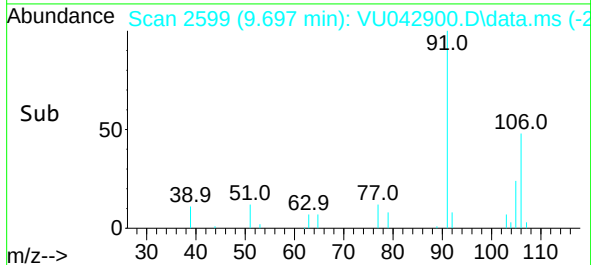
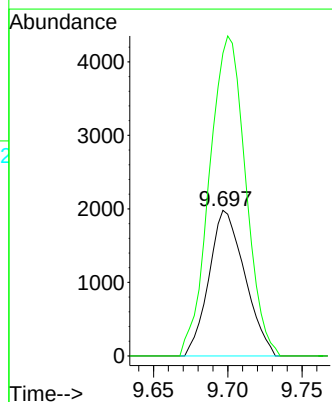
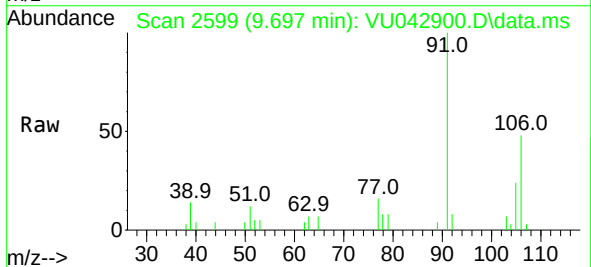
Instrument :
MSVOA_U
ClientSampled :
30776

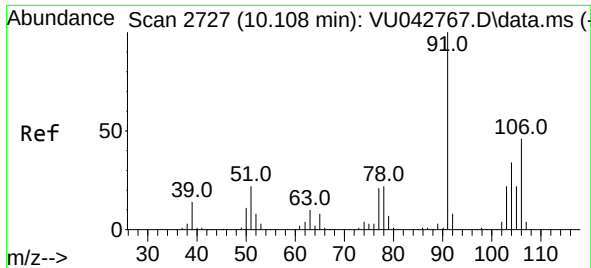
Tgt Ion:117 Resp: 169731
Ion Ratio Lower Upper
117 100
82 57.5 45.5 68.3
119 32.3 26.2 39.4



#68
m/p-Xylenes
Concen: 1.46 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. -0.003 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

Tgt Ion:106 Resp: 3320
Ion Ratio Lower Upper
106 100
91 221.7 168.3 252.5

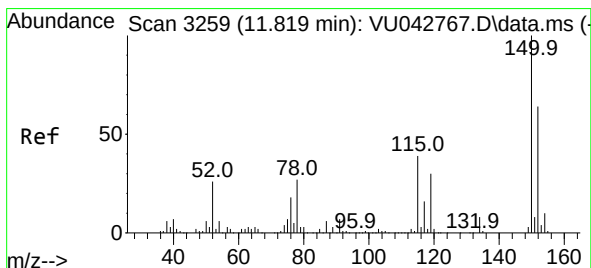
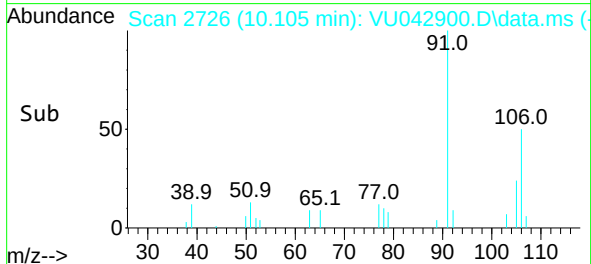
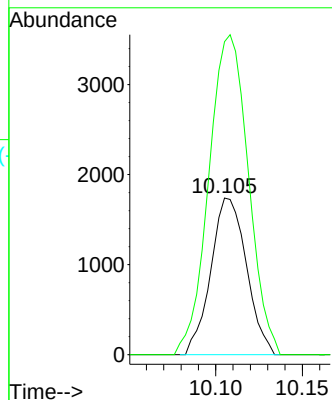
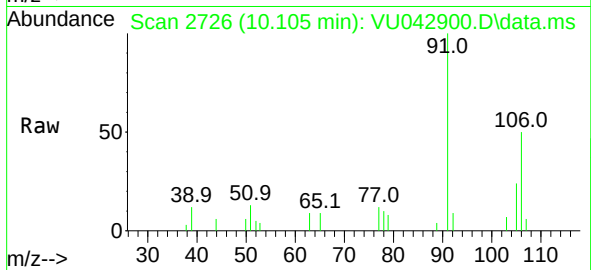




#69
o-Xylene
Concen: 1.13 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

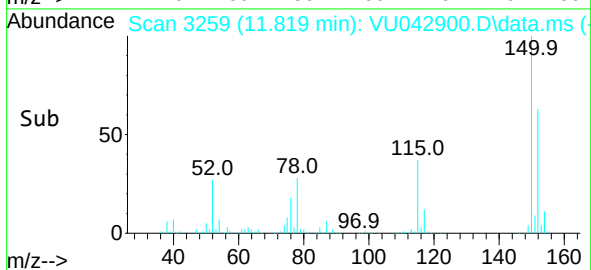
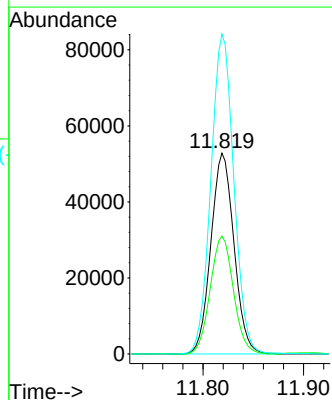
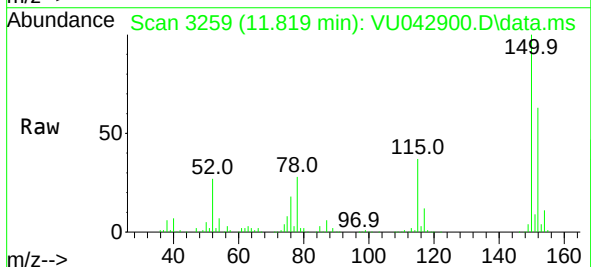
Instrument :
MSVOA_U
ClientSampleId :
30776

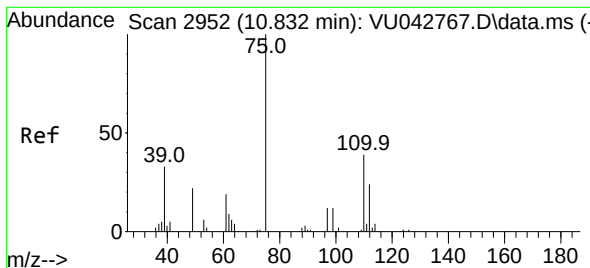
Tgt Ion:106 Resp: 2486
Ion Ratio Lower Upper
106 100
91 226.4 109.9 329.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

Tgt Ion:152 Resp: 84288
Ion Ratio Lower Upper
152 100
115 58.8 41.0 123.0
150 158.6 0.0 341.0

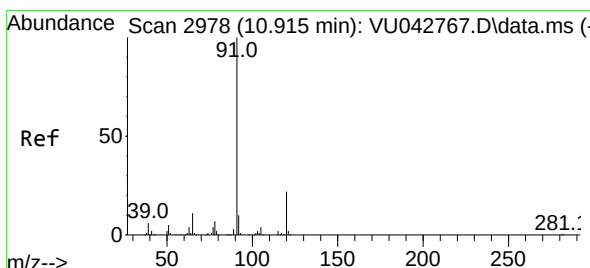
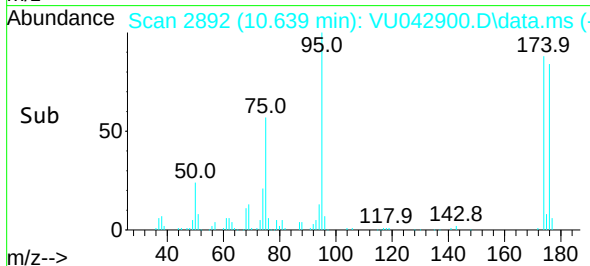
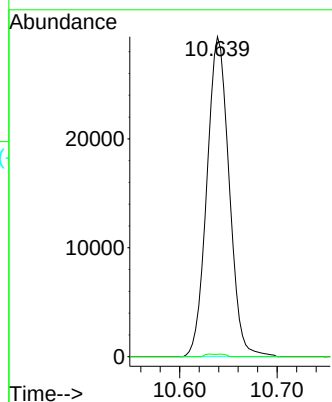
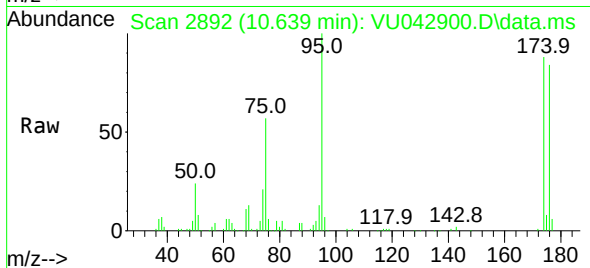




#76
1,2,3-Trichloropropane
Concen: 21.78 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

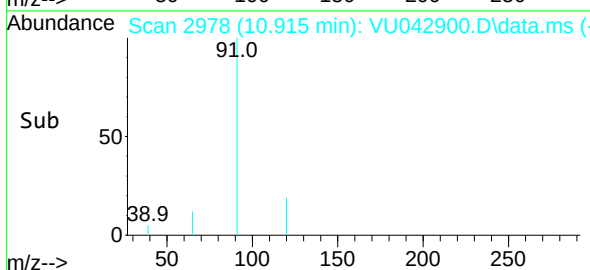
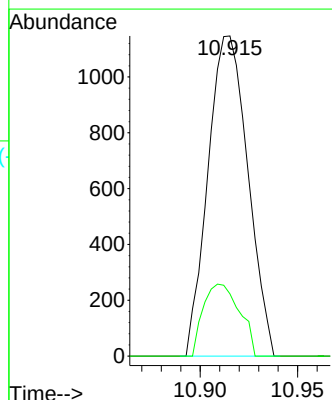
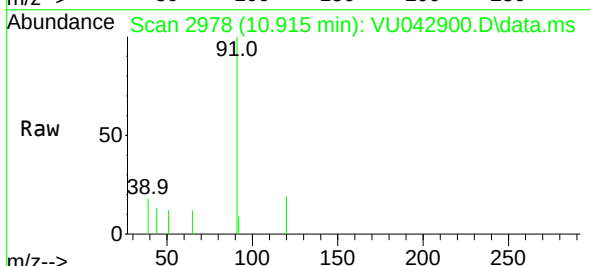
Instrument :
MSVOA_U
ClientSampled :
30776

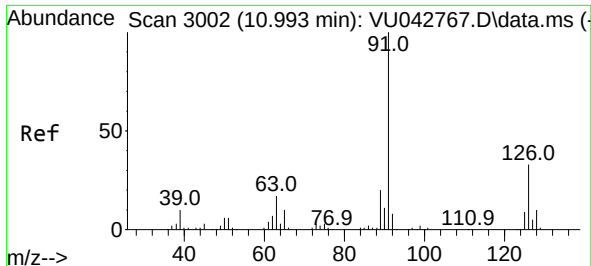
Tgt Ion: 75 Resp: 46685
Ion Ratio Lower Upper
75 100
77 0.4 19.6 58.8#



#78
n-propylbenzene
Concen: 0.26 ug/l
RT: 10.915 min Scan# 2978
Delta R.T. -0.000 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

Tgt Ion: 91 Resp: 1632
Ion Ratio Lower Upper
91 100
120 20.5 11.1 33.1

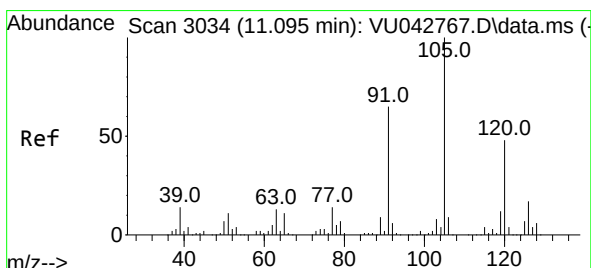
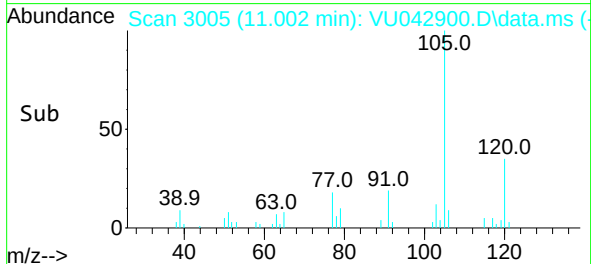
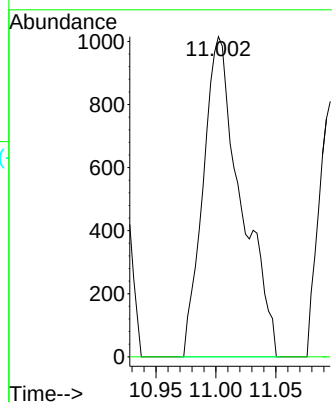
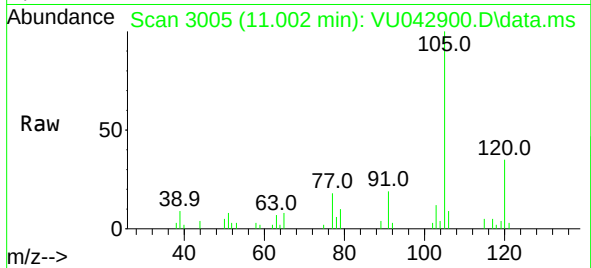




#79
2-Chlorotoluene
Concen: 0.59 ug/l
RT: 11.002 min Scan# 3005
Delta R.T. 0.010 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

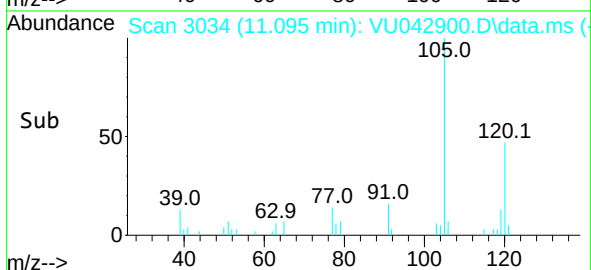
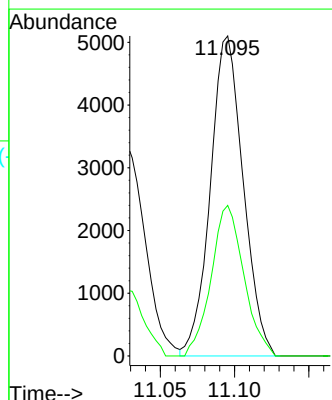
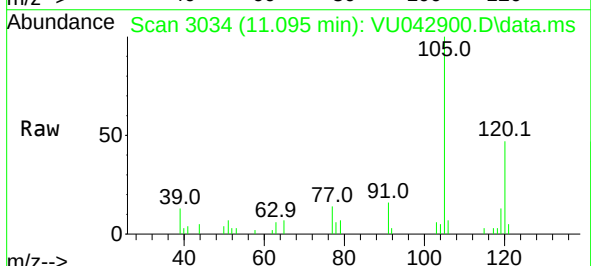
Instrument :
MSVOA_U
ClientSampled :
30776

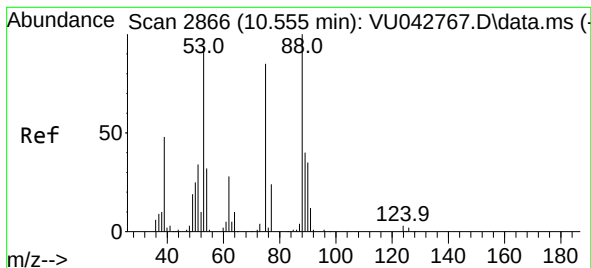
Tgt Ion: 91 Resp: 2233
Ion Ratio Lower Upper
91 100
126 0.0 16.7 50.1#



#80
1,3,5-Trimethylbenzene
Concen: 1.70 ug/l
RT: 11.095 min Scan# 3034
Delta R.T. -0.000 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

Tgt Ion: 105 Resp: 7847
Ion Ratio Lower Upper
105 100
120 46.8 23.4 70.2

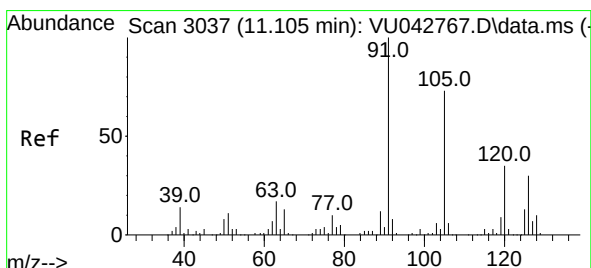
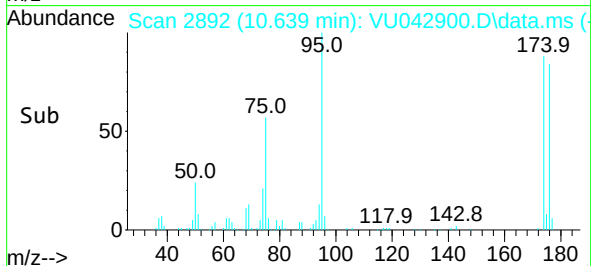
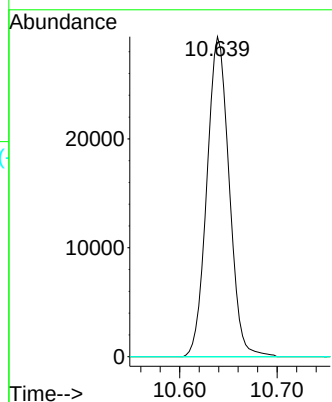
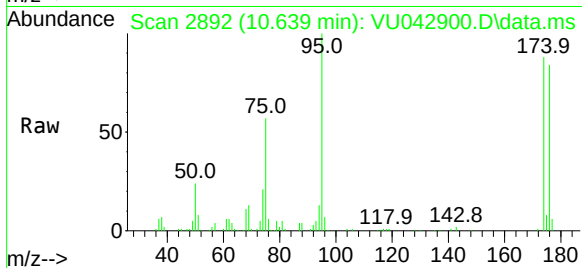




#81
trans-1,4-Dichloro-2-butene
Concen: 64.53 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

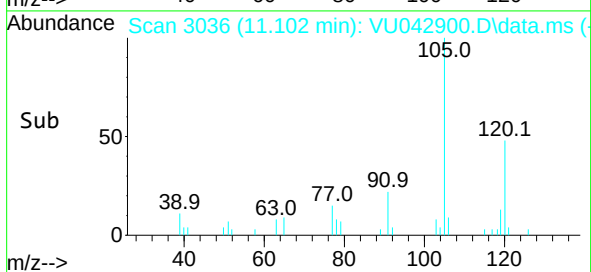
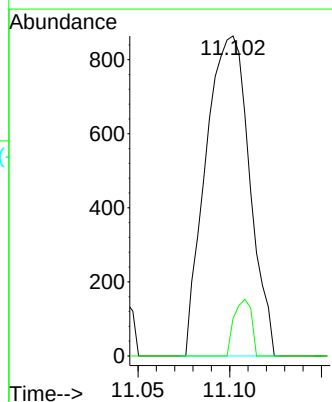
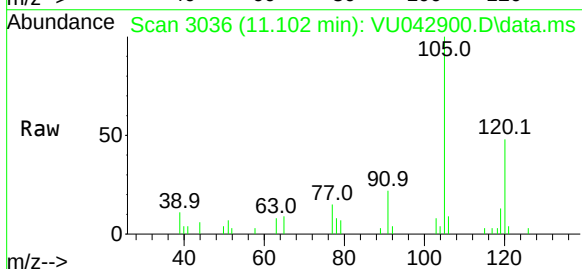
Instrument :
MSVOA_U
ClientSampleId :
30776

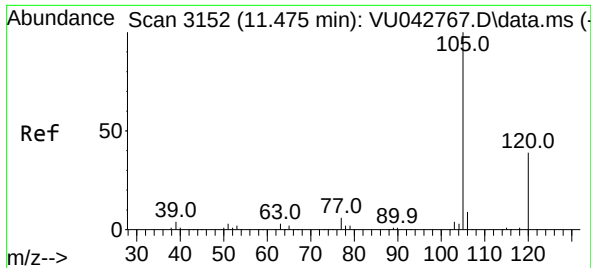
Tgt Ion: 75 Resp: 46685
Ion Ratio Lower Upper
75 100
53 0.0 88.3 132.5#
89 0.0 35.7 53.5#



#82
4-Chlorotoluene
Concen: 0.32 ug/l
RT: 11.102 min Scan# 3036
Delta R.T. -0.003 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

Tgt Ion: 91 Resp: 1435
Ion Ratio Lower Upper
91 100
126 7.0 14.5 43.5#

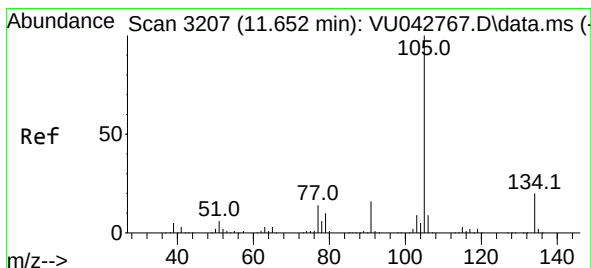
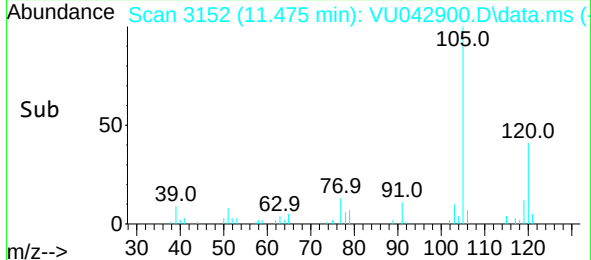
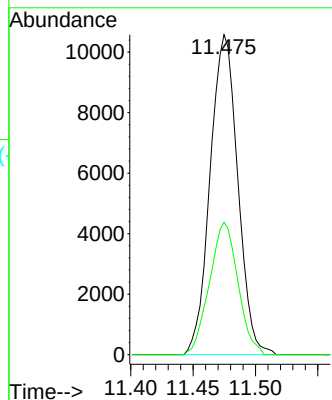
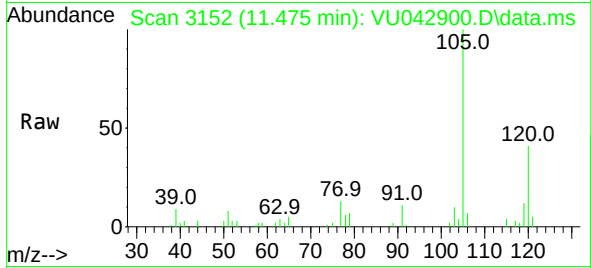




#84
1,2,4-Trimethylbenzene
Concen: 3.50 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

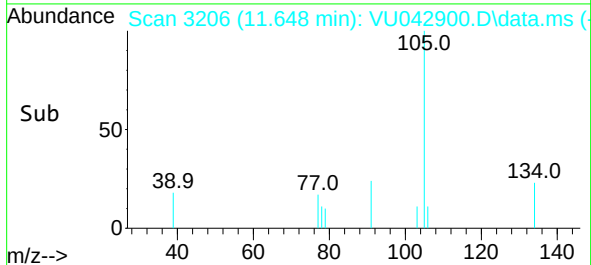
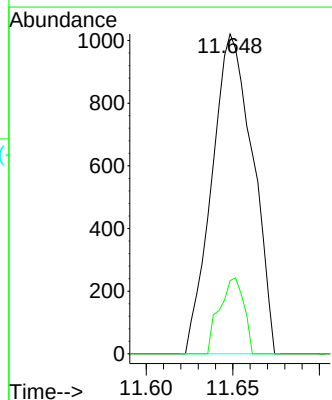
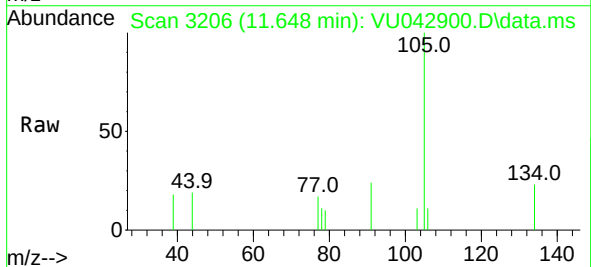
Instrument :
MSVOA_U
ClientSampleId :
30776

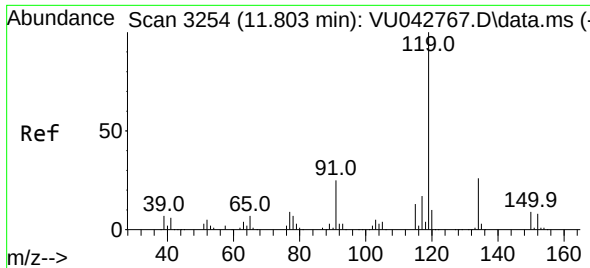
Tgt Ion:105 Resp: 16354
Ion Ratio Lower Upper
105 100
120 42.5 22.3 66.8



#85
sec-Butylbenzene
Concen: 0.32 ug/l
RT: 11.648 min Scan# 3206
Delta R.T. -0.003 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

Tgt Ion:105 Resp: 1674
Ion Ratio Lower Upper
105 100
134 14.1 9.8 29.5

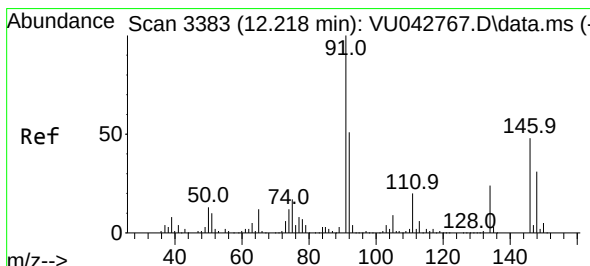
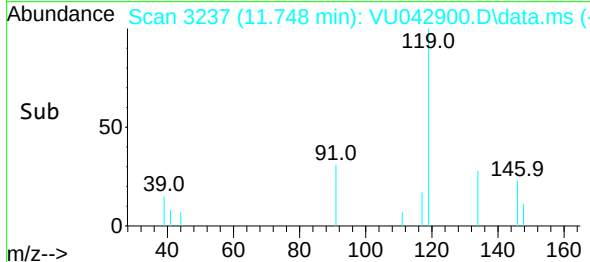
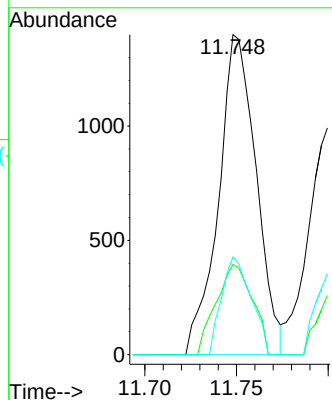
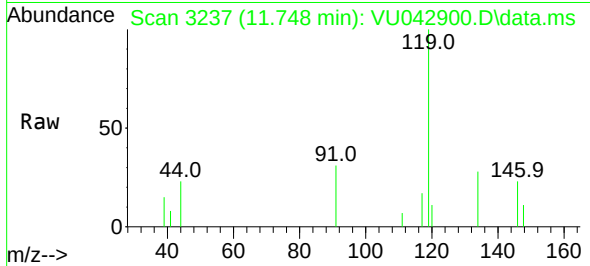




#86
p-Isopropyltoluene
Concen: 0.42 ug/l
RT: 11.748 min Scan# 3237
Delta R.T. -0.055 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

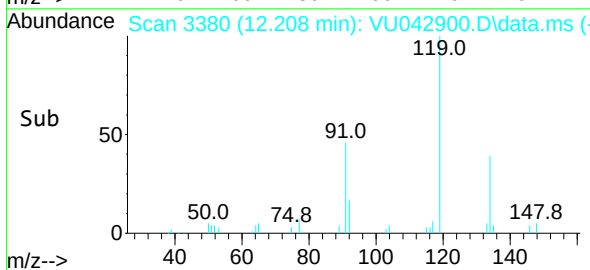
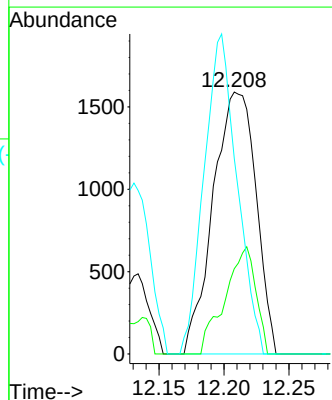
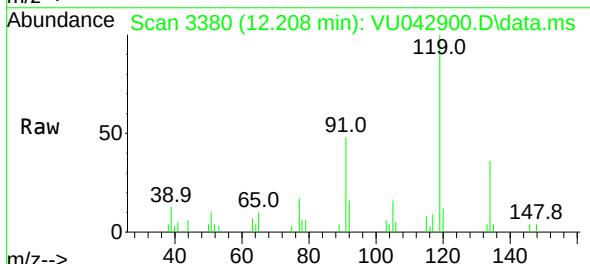
Instrument :
MSVOA_U
ClientSampleId :
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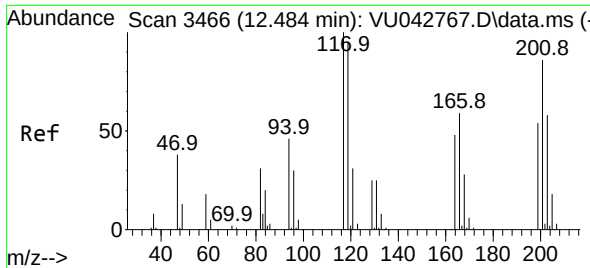
Tgt Ion:	119	Resp:	1997
Ion	Ratio	Lower	Upper
119	100		
134	27.2	12.8	38.3
91	23.8	12.6	37.8



#89
n-Butylbenzene
Concen: 0.81 ug/l
RT: 12.208 min Scan# 3380
Delta R.T. -0.010 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

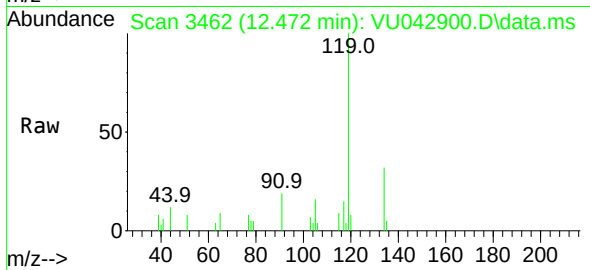
Tgt Ion:	91	Resp:	3651
Ion	Ratio	Lower	Upper
91	100		
92	29.4	25.7	77.1
134	93.6	12.1	36.3



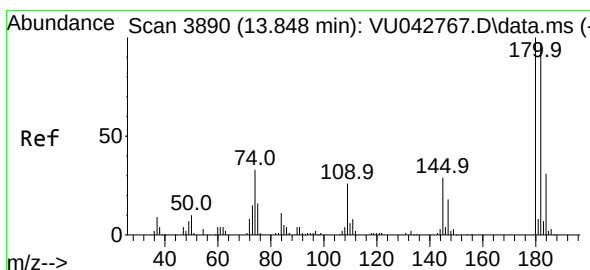
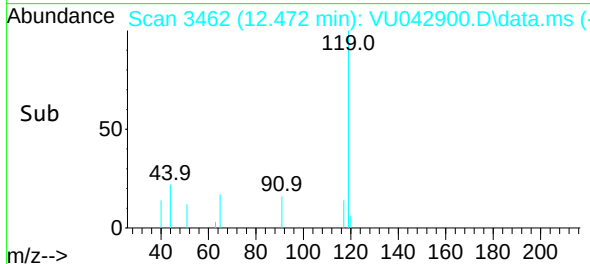
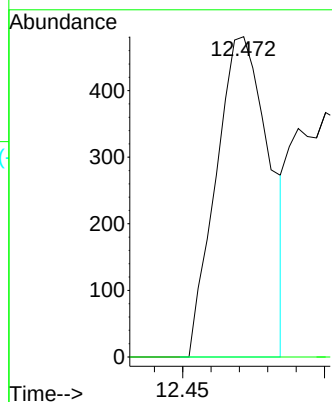


#90
Hexachloroethane
Concen: 0.69 ug/l
RT: 12.472 min Scan# 3462
Delta R.T. -0.013 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

Instrument :
MSVOA_U
ClientSampled :
30776

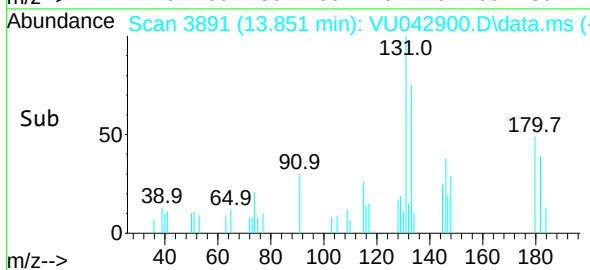
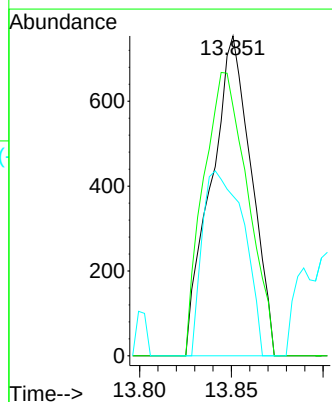
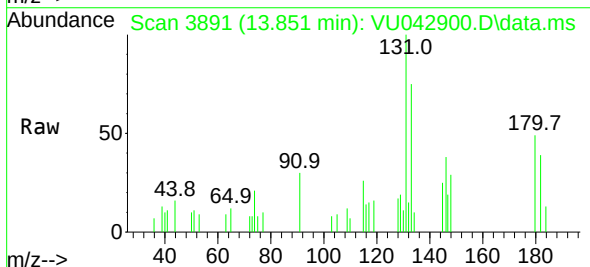


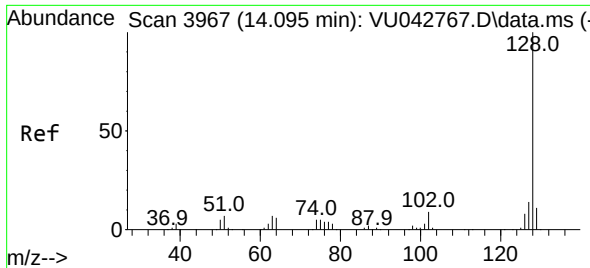
Tgt Ion:117 Resp: 626
Ion Ratio Lower Upper
117 100
201 0.0 43.5 130.7#



#93
1,2,4-Trichlorobenzene
Concen: 0.67 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.003 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

Tgt Ion:180 Resp: 1147
Ion Ratio Lower Upper
180 100
182 97.2 48.0 144.0
145 59.6 14.5 43.5#

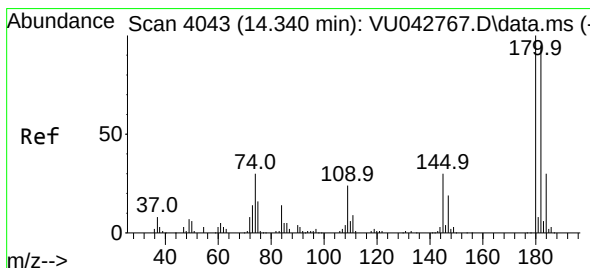
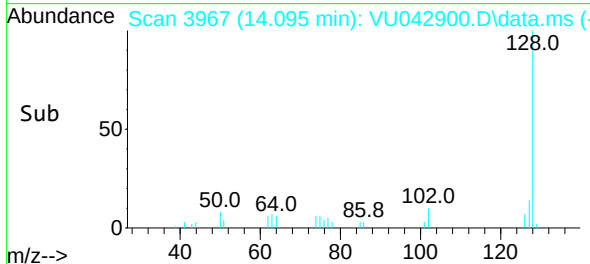
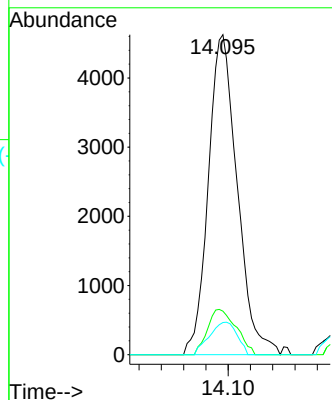
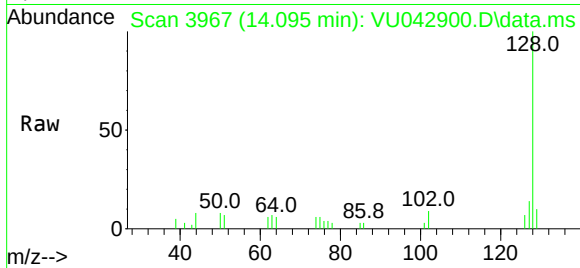




#95
Naphthalene
Concen: 3.96 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

Instrument :
MSVOA_U
ClientSampleId :
30776

Tgt Ion:	128	Resp:	8326
Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.9	16.3
129	9.7	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.89 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. -0.003 min
Lab File: VU042900.D
Acq: 02 Apr 2021 17:00

Tgt Ion:	180	Resp:	1537
Ion	Ratio	Lower	Upper
180	100		
182	100.7	47.5	142.6
145	56.6	15.0	45.0#

