

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040921\
 Data File : VU043007.D
 Acq On : 09 Apr 2021 17:04
 Operator : SY/MD
 Sample : M1961-21
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TR2-D-TOP

Quant Time: Apr 10 05:07:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U040921W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 09 09:26:47 2021
 Response via : Initial Calibration

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

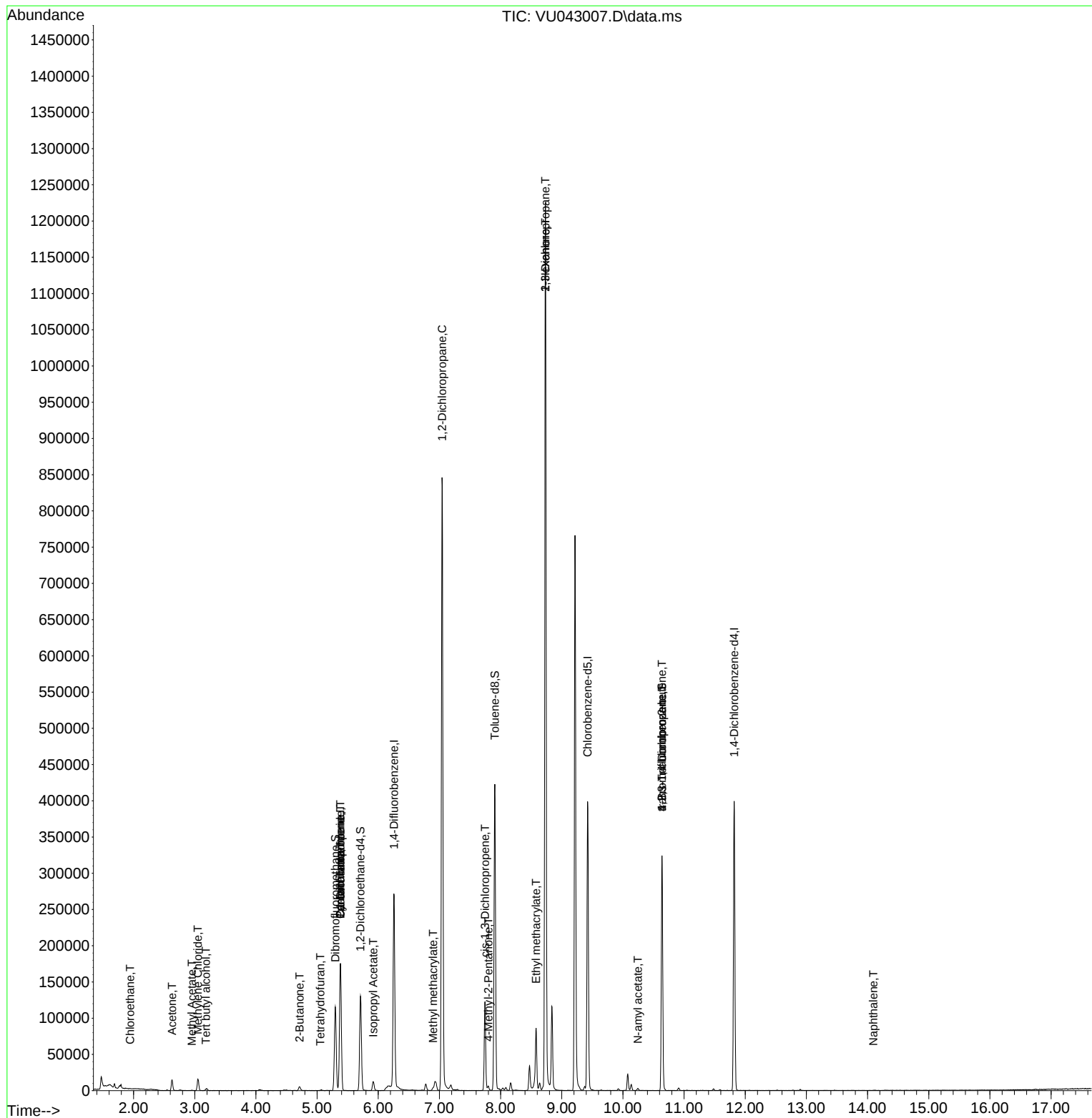
Internal Standards						
1) Pentafluorobenzene	5.382	168	119380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	198061	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	200777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	98159	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	101287	51.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.80%	
35) Dibromofluoromethane	5.298	113	69165	47.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.64%	
50) Toluene-d8	7.906	98	256245	49.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.36%	
62) 4-Bromofluorobenzene	10.639	95	94153	44.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.46%	
Target Compounds						Qvalue
3) Chloromethane	1.520	50	324	Below Cal	#	43
6) Chloroethane	1.944	64	225	0.24	ug/l #	41
11) Tert butyl alcohol	3.182	59	1240	2.34	ug/l #	71
16) Acetone	2.629	43	17169	15.69	ug/l	100
18) Methyl Acetate	2.954	43	691	0.28	ug/l #	56
20) Methylene Chloride	3.051	84	6708	4.79	ug/l	96
25) 2-Butanone	4.713	43	8500	4.86	ug/l	98
29) Tetrahydrofuran	5.054	42	703	0.63	ug/l #	44
31) Cyclohexane	5.382	56	2988	1.27	ug/l #	30
36) 1,1-Dichloropropene	5.382	75	11208	5.76	ug/l #	51
38) Carbon Tetrachloride	5.382	117	11942	5.57	ug/l #	14
43) Isopropyl Acetate	5.919	43	13817	2.84	ug/l	99
45) 1,2-Dichloropropane	7.047	63	808	0.51	ug/l #	45
48) Methyl methacrylate	6.896	41	5542	2.24	ug/l #	17
51) 4-Methyl-2-Pentanone	7.800	43	3743	10.45	ug/l	92
54) cis-1,3-Dichloropropene	7.745	75	18138	7.94	ug/l #	62
56) Ethyl methacrylate	8.581	69	456	2.73	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	10400	3.93	ug/l #	43
59) 2-Hexanone	8.732	43	197120	63.09	ug/l #	53
74) N-amyl acetate	10.243	43	2410	0.63	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	54868	19.60	ug/l #	40
81) trans-1,4-Dichloro-2-b...	10.639	75	54868	54.55	ug/l #	5
95) Naphthalene	14.095	128	239	3.24	ug/l #	68

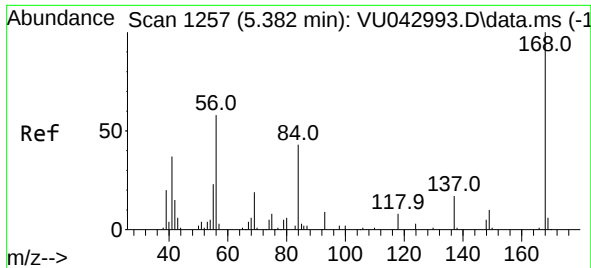
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TR2-D-TOP

Quant Time: Apr 10 05:07:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U040921W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 09 09:26:47 2021
Response via : Initial Calibration

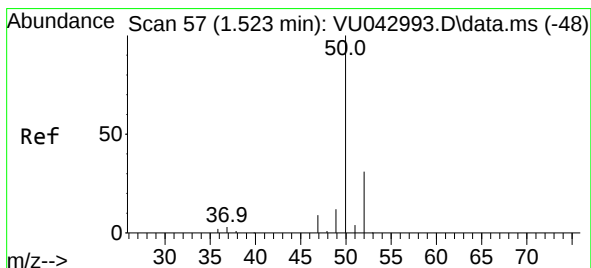
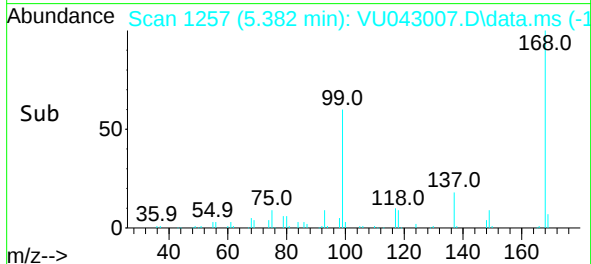
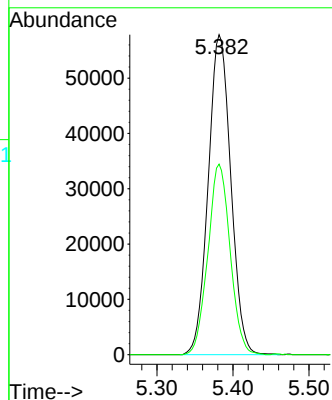
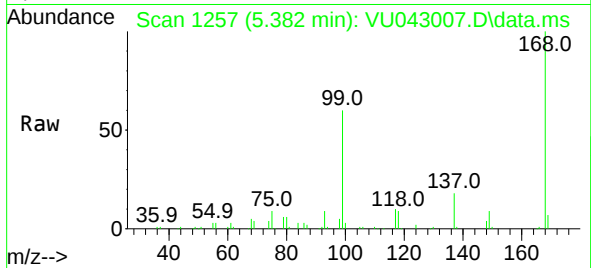




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

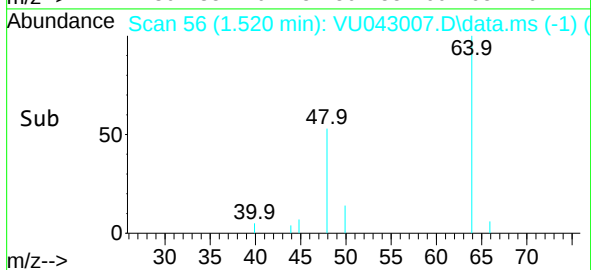
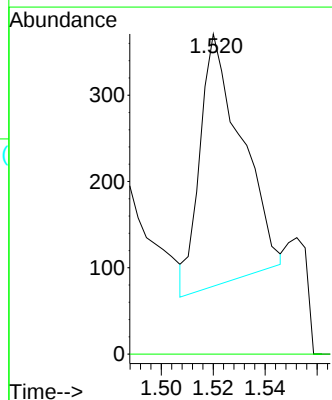
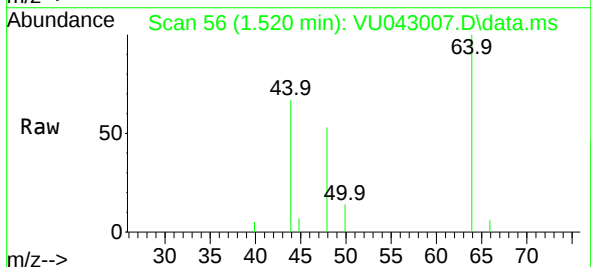
Instrument :
MSVOA_U
ClientSampleId :
TR2-D-TOP

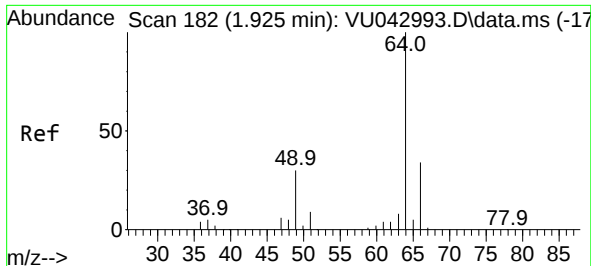
Tgt Ion:168 Resp: 119380
Ion Ratio Lower Upper
168 100
99 59.6 47.5 71.3



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

Tgt Ion: 50 Resp: 324
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

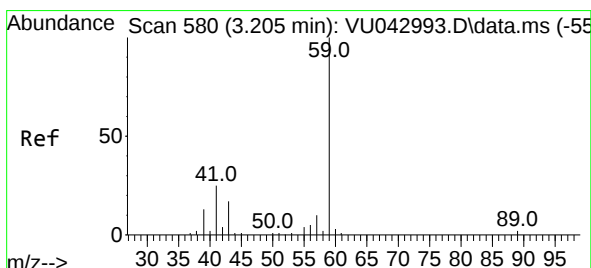
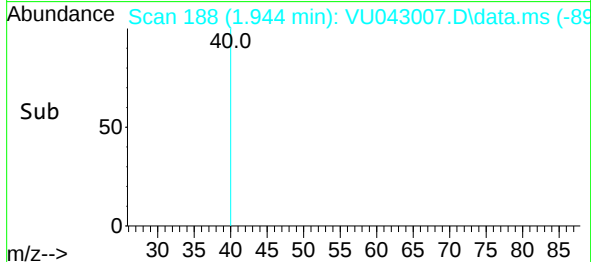
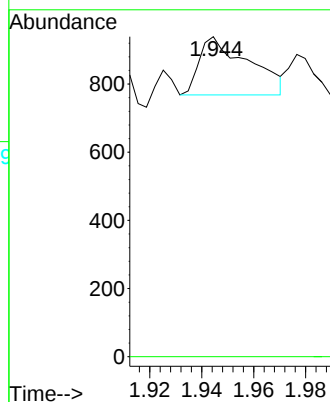
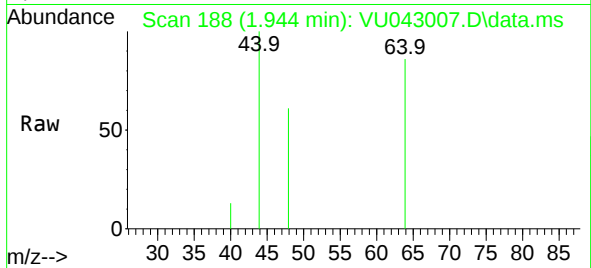




#6
Chloroethane
Concen: 0.24 ug/l
RT: 1.944 min Scan# 188
Delta R.T. 0.019 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

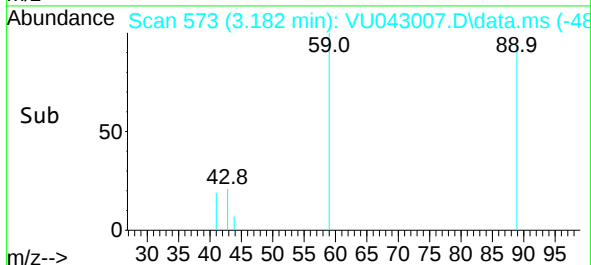
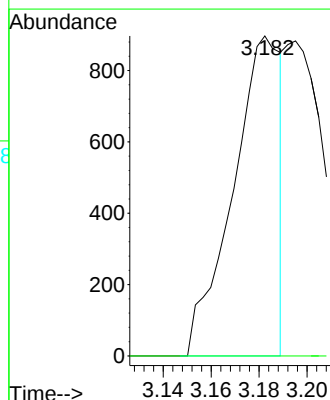
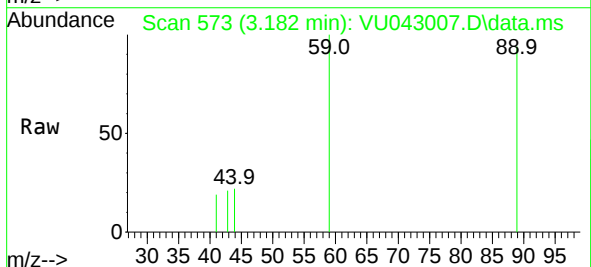
Instrument :
MSVOA_U
ClientSampleId :
TR2-D-TOP

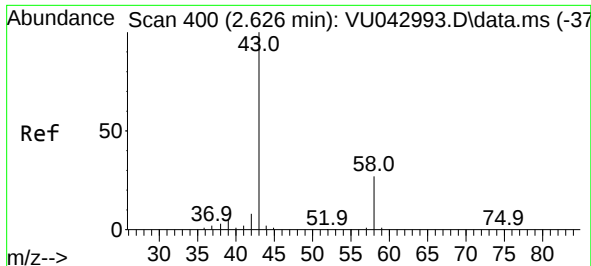
Tgt Ion: 64 Resp: 225
Ion Ratio Lower Upper
64 100
66 0.0 26.9 40.3#



#11
Tert butyl alcohol
Concen: 2.34 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.022 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

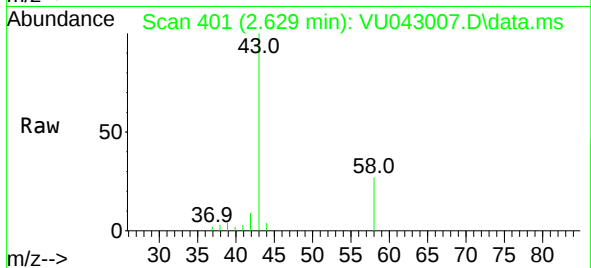
Tgt Ion: 59 Resp: 1240
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



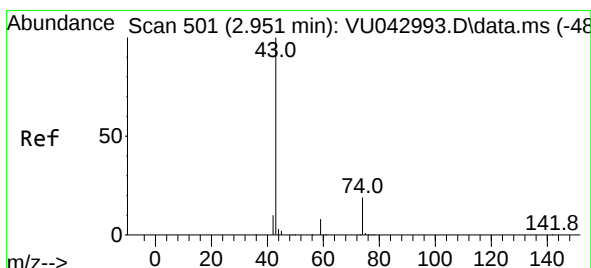
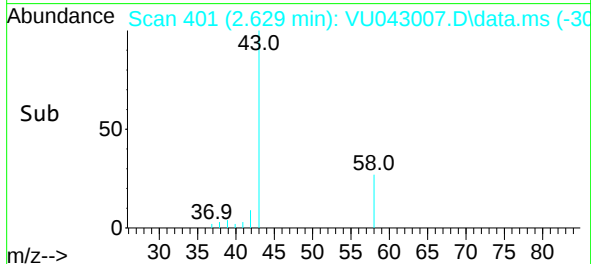
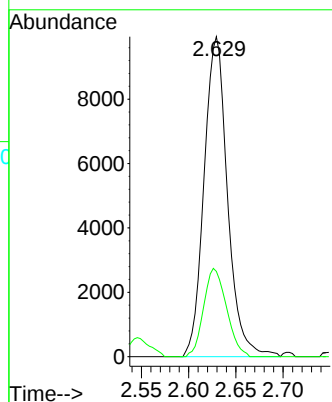


#16
Acetone
Concen: 15.69 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

Instrument :
MSVOA_U
ClientSampleId :
TR2-D-TOP

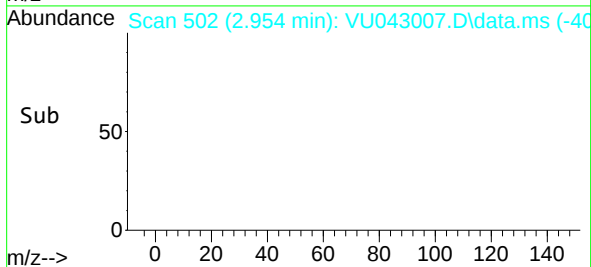
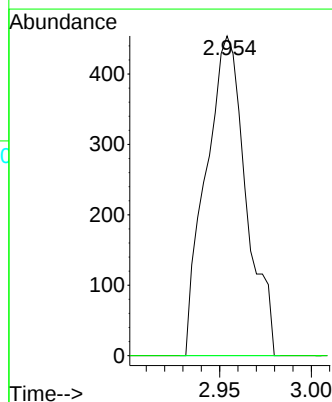
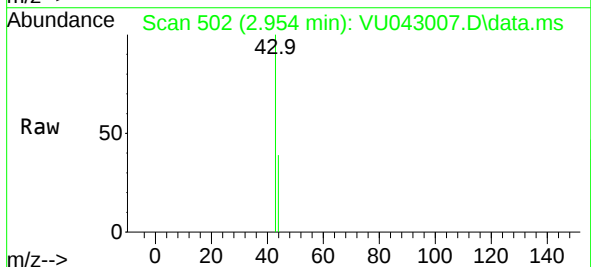


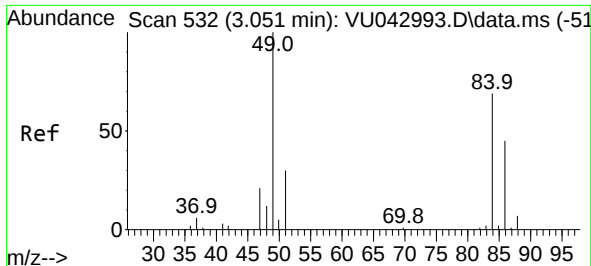
Tgt Ion: 43 Resp: 17169
Ion Ratio Lower Upper
43 100
58 26.6 21.4 32.0



#18
Methyl Acetate
Concen: 0.28 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.003 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

Tgt Ion: 43 Resp: 691
Ion Ratio Lower Upper
43 100
74 0.0 16.0 24.0#



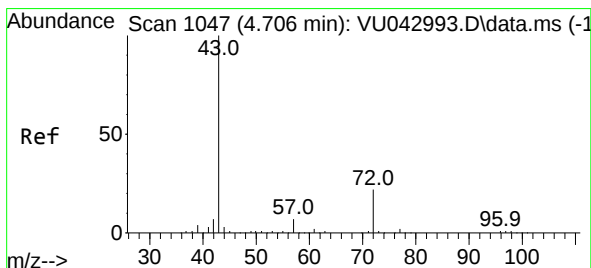
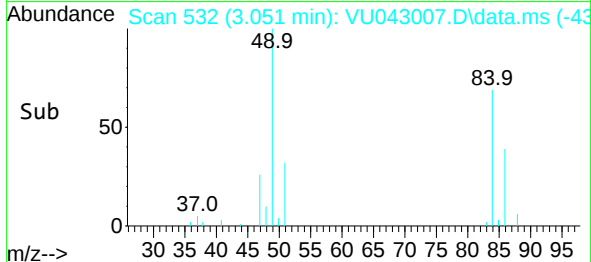
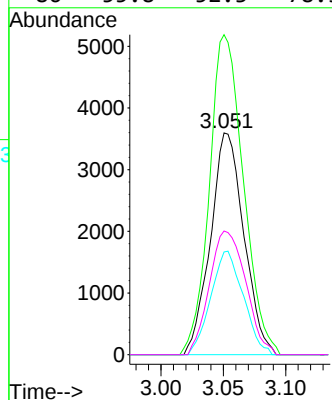
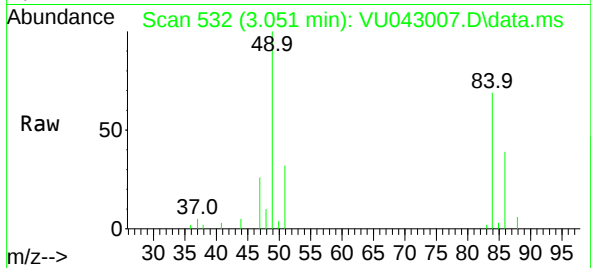


#20
Methylene Chloride
Concen: 4.79 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

Instrument :
MSVOA_U
ClientSampled :
TR2-D-TOP

Tgt Ion: 84 Resp: 6708

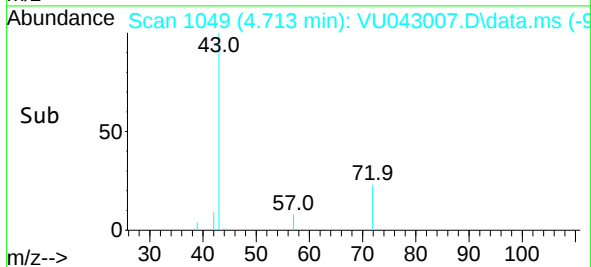
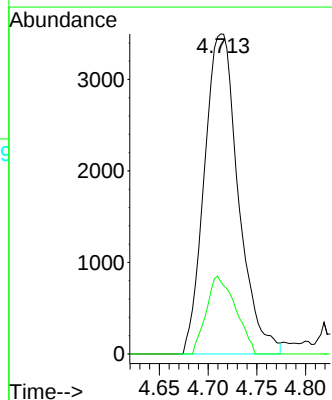
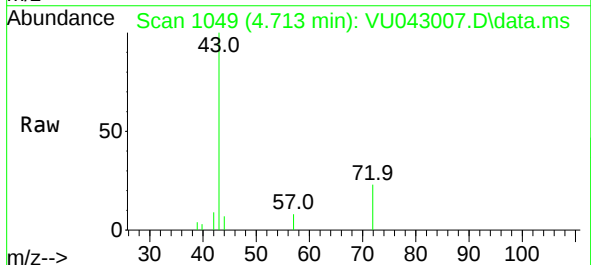
Ion	Ratio	Lower	Upper
84	100		
49	144.3	116.1	174.1
51	46.3	35.1	52.7
86	55.8	52.3	78.5

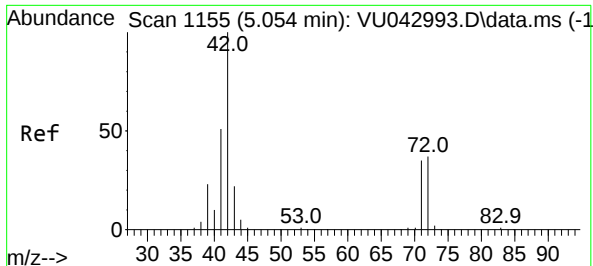


#25
2-Butanone
Concen: 4.86 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.006 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

Tgt Ion: 43 Resp: 8500

Ion	Ratio	Lower	Upper
43	100		
72	22.6	17.4	26.2





#29

Tetrahydrofuran

Concen: 0.63 ug/l

RT: 5.054 min Scan# 1155

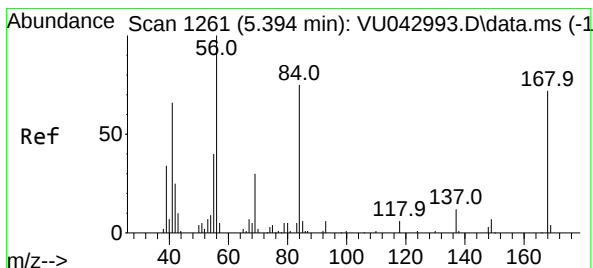
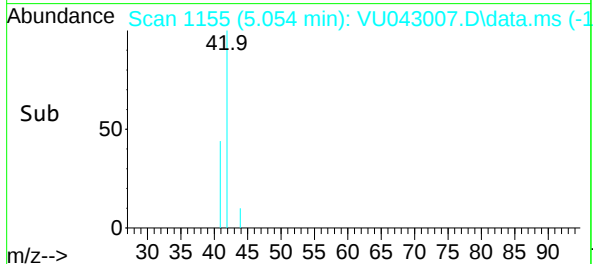
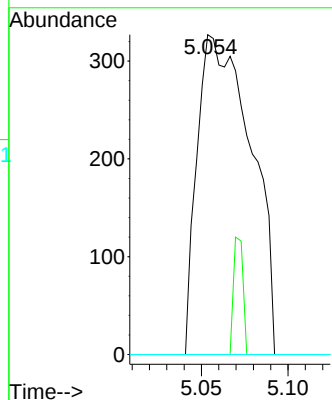
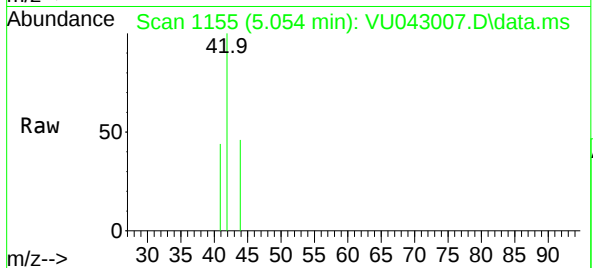
Delta R.T. 0.000 min

Lab File: VU043007.D

Acq: 09 Apr 2021 17:04

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MSVOA_U
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TR2-D-TOP

Tgt Ion:	42	Resp:	703
Ion	Ratio	Lower	Upper
42	100		
72	6.5	30.1	45.1#
71	0.0	28.1	42.1#



#31

Cyclohexane

Concen: 1.27 ug/l

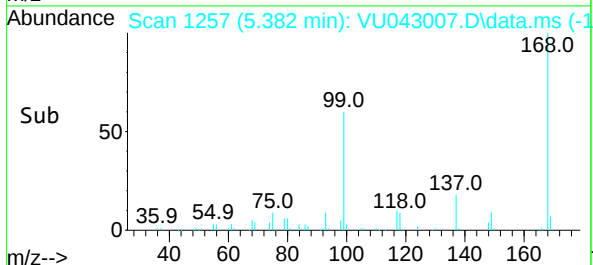
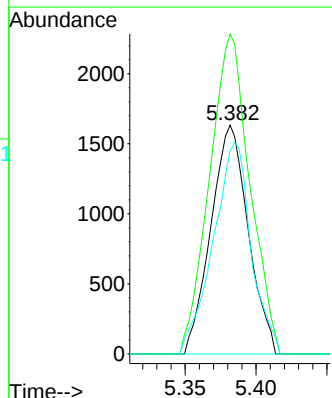
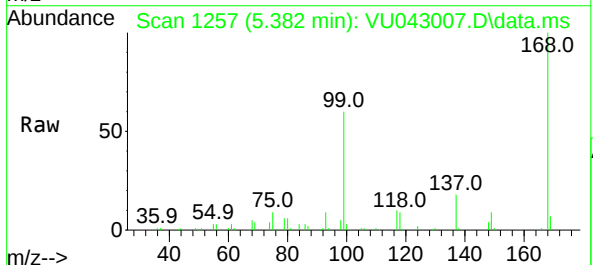
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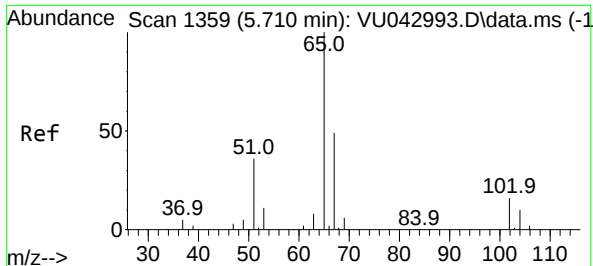
Delta R.T. -0.013 min

Lab File: VU043007.D

Acq: 09 Apr 2021 17:04

Tgt Ion:	56	Resp:	2988
Ion	Ratio	Lower	Upper
56	100		
69	139.9	23.9	35.9#
84	88.9	59.8	89.6





#33

1,2-Dichloroethane-d4

Concen: 51.90 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. 0.000 min

Lab File: VU043007.D

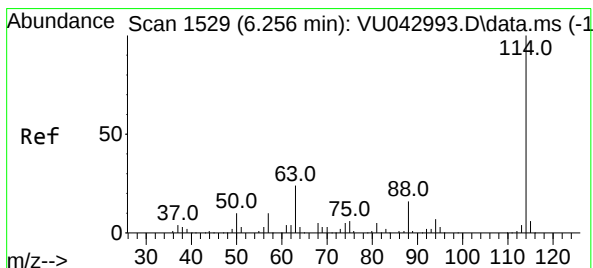
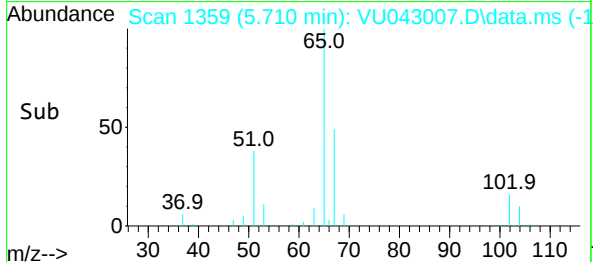
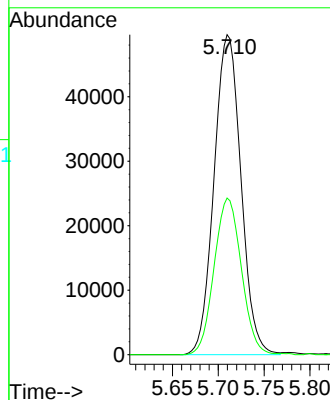
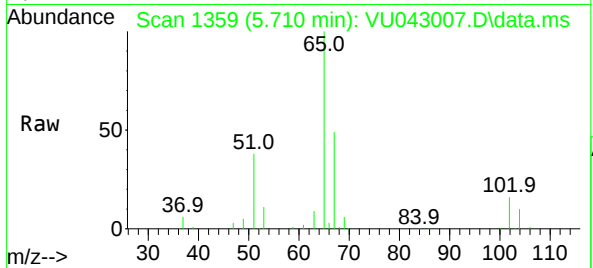
Acq: 09 Apr 2021 17:04

Tgt Ion: 65 Resp: 101287

Ion Ratio Lower Upper

65 100

67 49.7 0.0 98.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043007.D

Acq: 09 Apr 2021 17:04

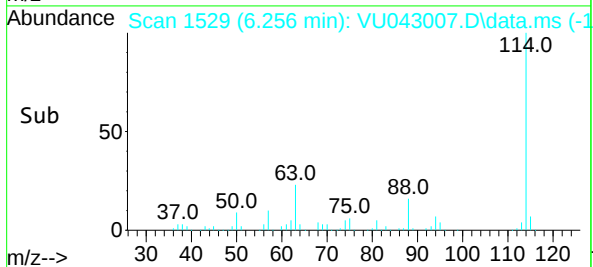
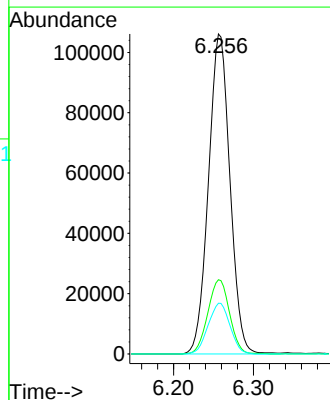
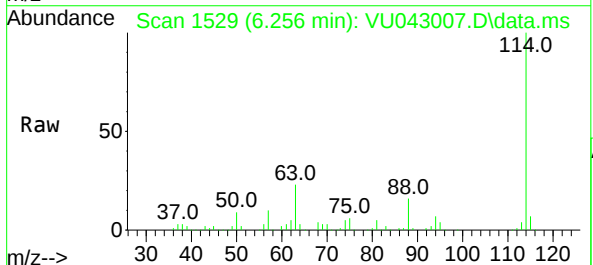
Tgt Ion: 114 Resp: 198061

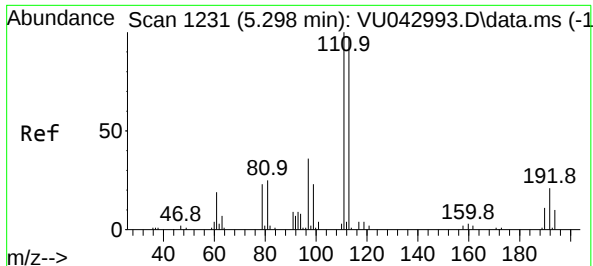
Ion Ratio Lower Upper

114 100

63 23.2 0.0 48.0

88 15.9 0.0 32.6

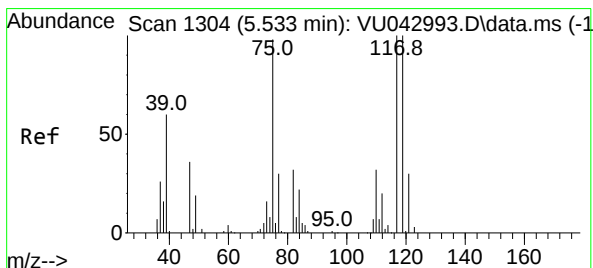
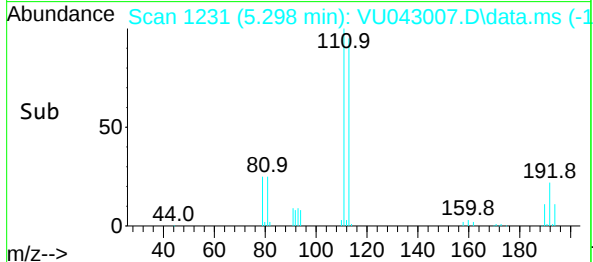
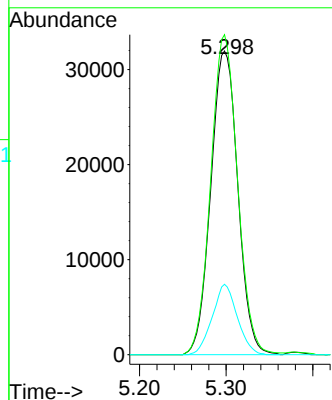
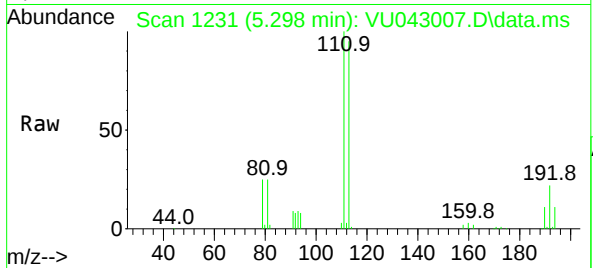




#35
Dibromofluoromethane
Concen: 47.82 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

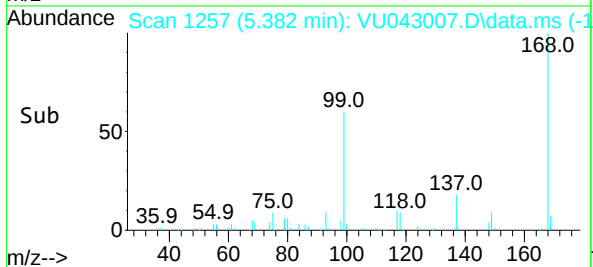
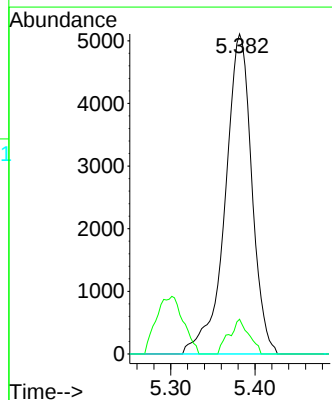
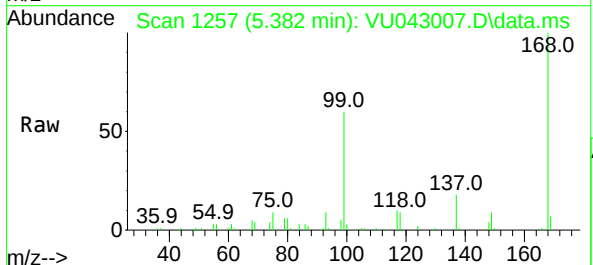
Instrument :
MSVOA_U
ClientSampleId :
TR2-D-TOP

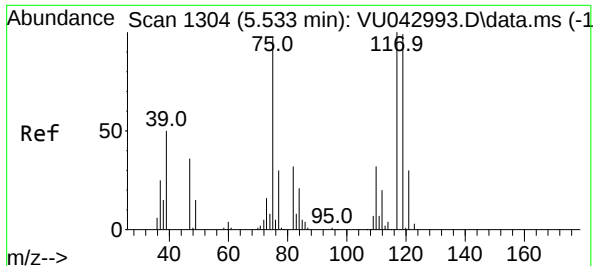
Tgt Ion:	113	Resp:	69165
Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.7	122.5
192	21.5	17.1	25.7



#36
1,1-Dichloropropene
Concen: 5.76 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

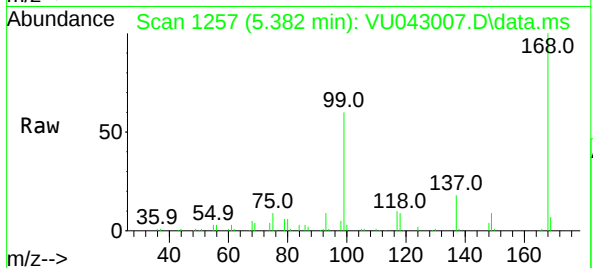
Tgt Ion:	75	Resp:	11208
Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.3	48.8#
77	0.0	23.8	35.6#



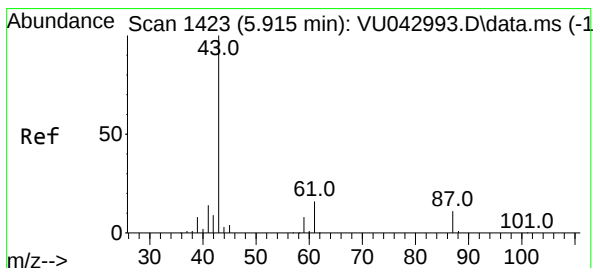
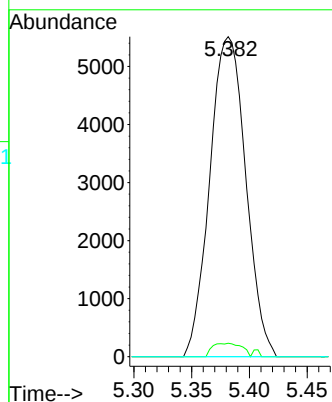
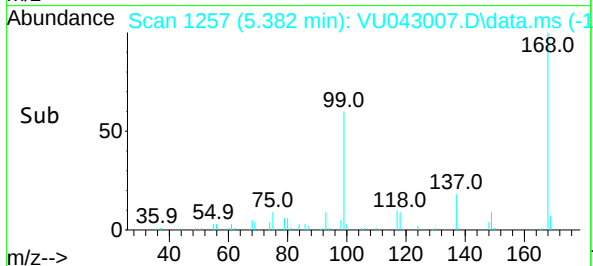


#38
Carbon Tetrachloride
Concen: 5.57 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

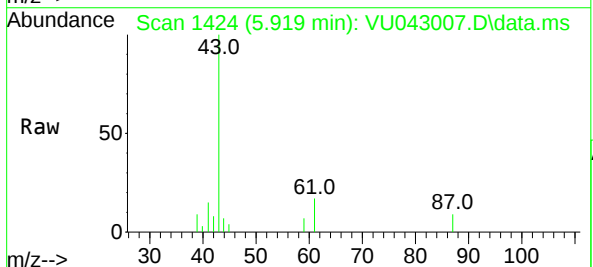
Instrument :
MSVOA_U
ClientSampleId :
TR2-D-TOP



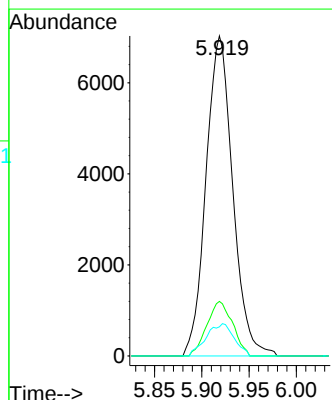
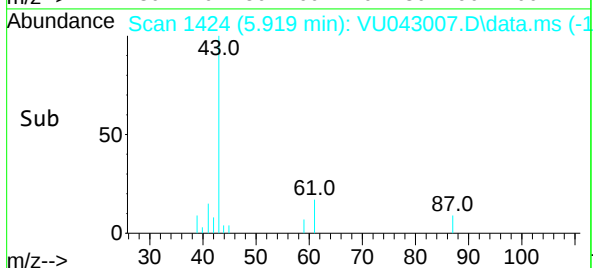
Tgt Ion:117 Resp: 11942
Ion Ratio Lower Upper
117 100
119 4.2 79.6 119.4#
121 0.0 24.1 36.1#

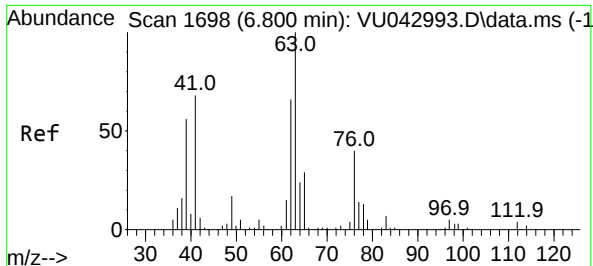


#43
Isopropyl Acetate
Concen: 2.84 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. 0.003 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04



Tgt Ion: 43 Resp: 13817
Ion Ratio Lower Upper
43 100
61 16.4 13.4 20.2
87 10.5 8.6 12.8

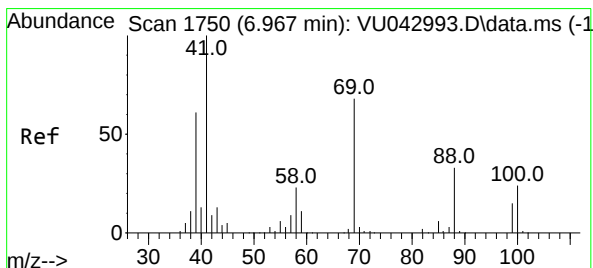
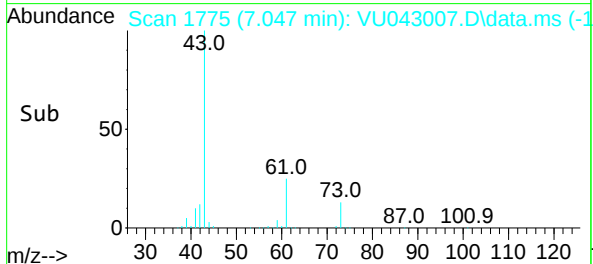
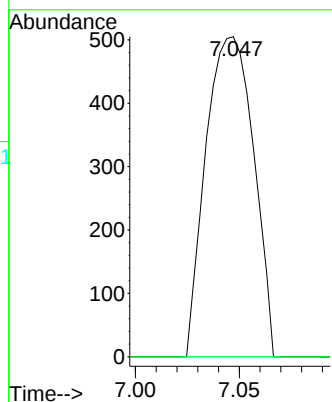
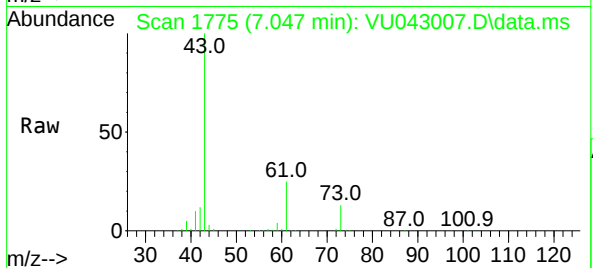




#45
1,2-Dichloropropane
Concen: 0.51 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.248 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

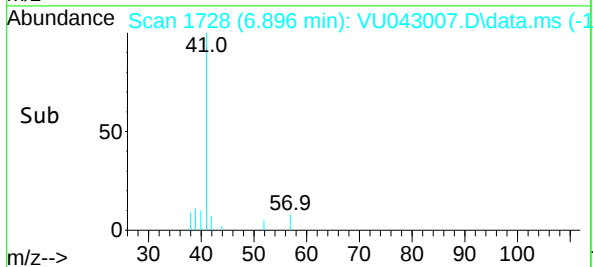
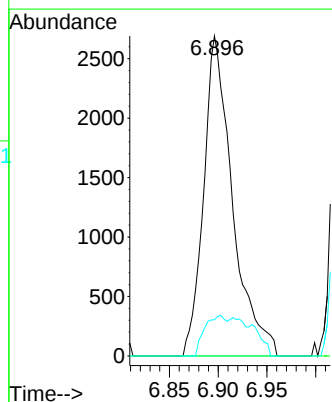
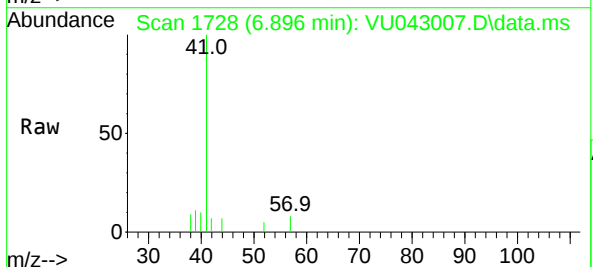
Instrument :
MSVOA_U
ClientSampled :
TR2-D-TOP

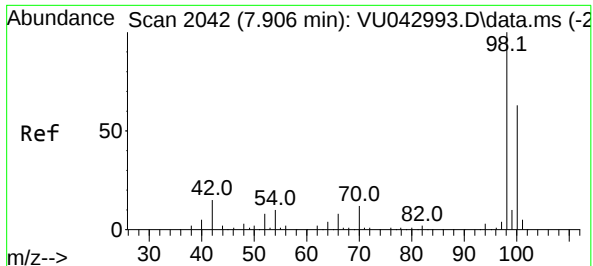
Tgt Ion: 63 Resp: 808
Ion Ratio Lower Upper
63 100
65 0.0 23.5 35.3#



#48
Methyl methacrylate
Concen: 2.24 ug/l
RT: 6.896 min Scan# 1728
Delta R.T. -0.071 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

Tgt Ion: 41 Resp: 5542
Ion Ratio Lower Upper
41 100
69 0.0 55.1 82.7#
39 0.0 50.0 75.0#

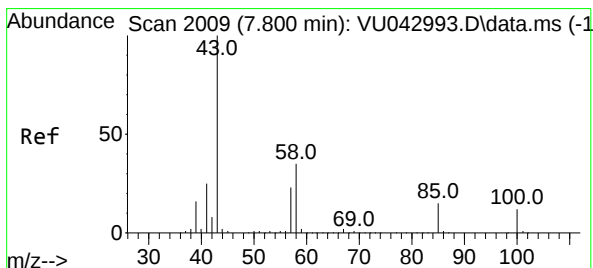
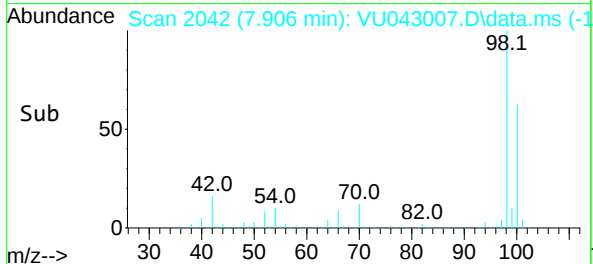
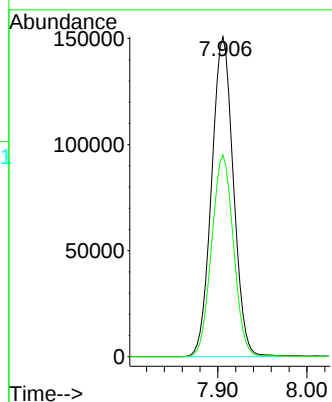
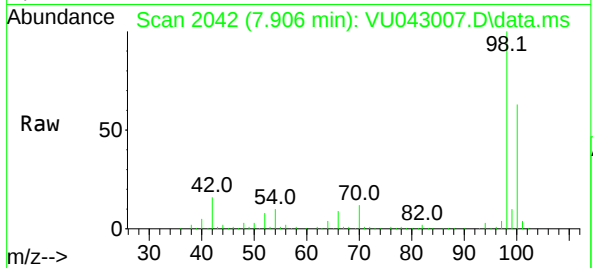




#50
Toluene-d8
Concen: 49.18 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. 0.000 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

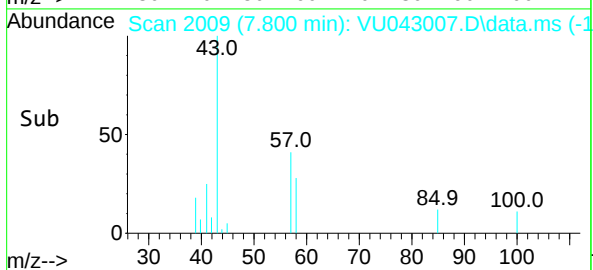
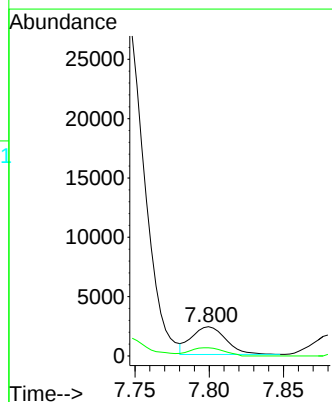
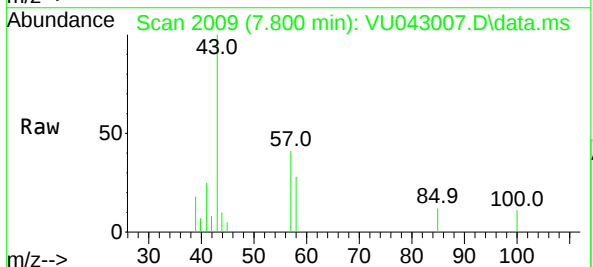
Instrument :
MSVOA_U
ClientSampleId :
TR2-D-TOP

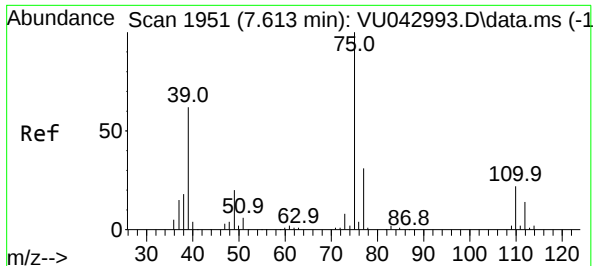
Tgt Ion: 98 Resp: 256245
Ion Ratio Lower Upper
98 100
100 63.2 49.9 74.9



#51
4-Methyl-2-Pentanone
Concen: 10.45 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

Tgt Ion: 43 Resp: 3743
Ion Ratio Lower Upper
43 100
58 29.9 27.7 41.5

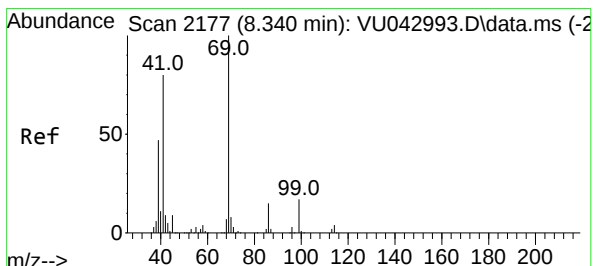
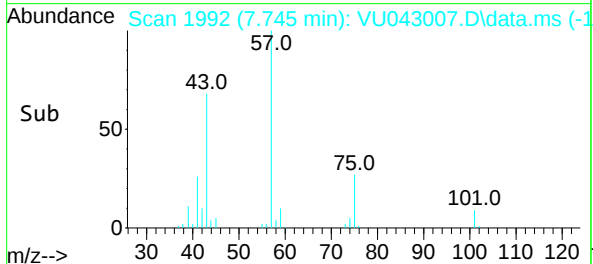
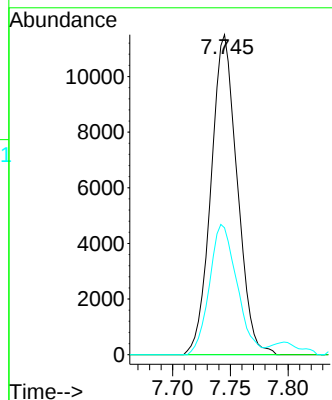
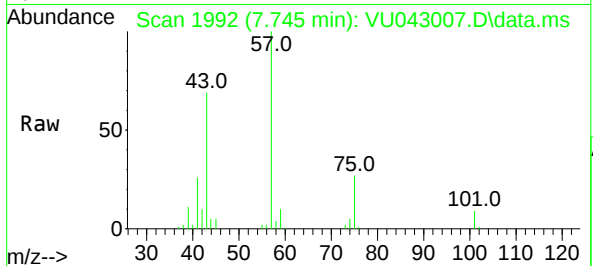




#54
 cis-1,3-Dichloropropene
 Concen: 7.94 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU043007.D
 Acq: 09 Apr 2021 17:04

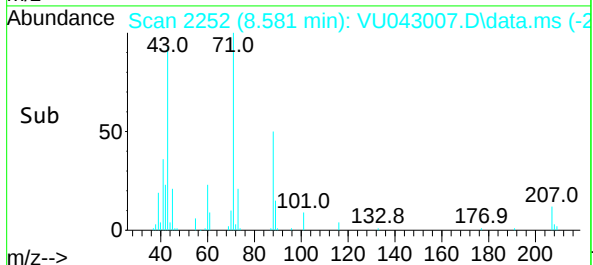
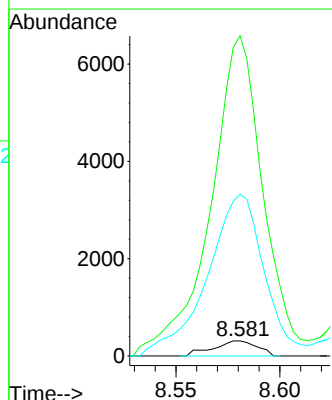
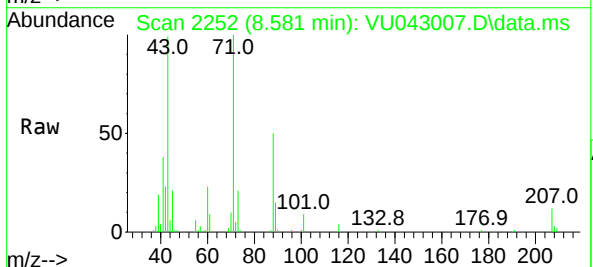
Instrument :
 MSVOA_U
 ClientSampleId :
 TR2-D-TOP

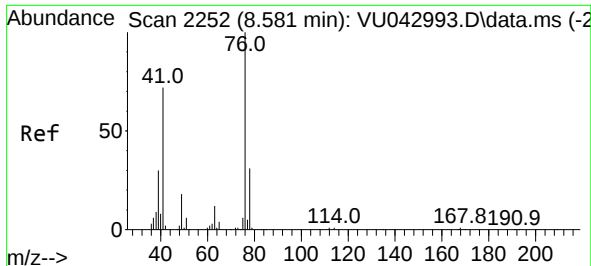
Tgt Ion: 75 Resp: 18138
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 39.7 49.4 74.0#



#56
 Ethyl methacrylate
 Concen: 2.73 ug/l
 RT: 8.581 min Scan# 2252
 Delta R.T. 0.241 min
 Lab File: VU043007.D
 Acq: 09 Apr 2021 17:04

Tgt Ion: 69 Resp: 456
 Ion Ratio Lower Upper
 69 100
 41 2527.9 65.6 98.4#
 39 1388.6 39.0 58.6#



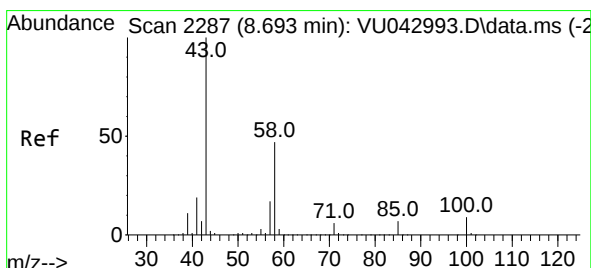
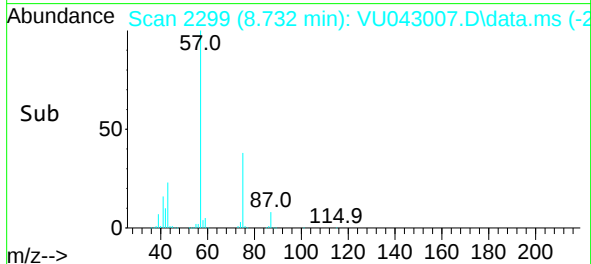
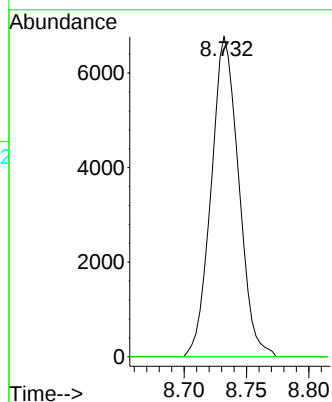
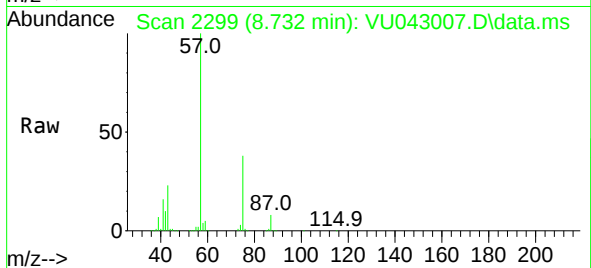


#57

1,3-Dichloropropane
Concen: 3.93 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

Instrument :
MSVOA_U
ClientSampleId :
TR2-D-TOP

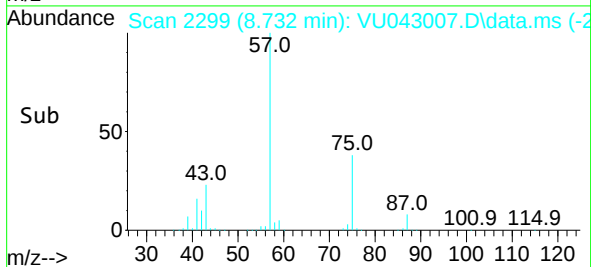
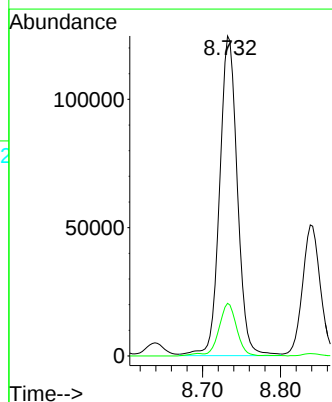
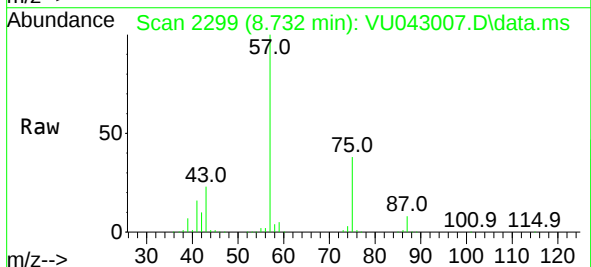
Tgt Ion: 76 Resp: 10400
Ion Ratio Lower Upper
76 100
78 0.0 25.4 38.2#

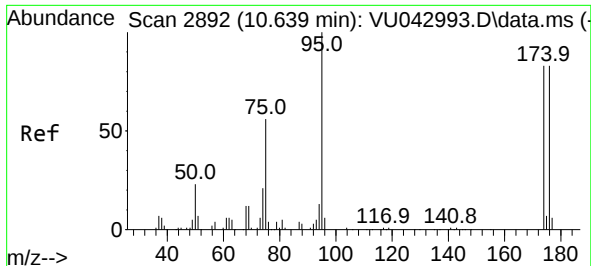


#59

2-Hexanone
Concen: 63.09 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.039 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

Tgt Ion: 43 Resp: 197120
Ion Ratio Lower Upper
43 100
58 15.8 23.7 71.1#

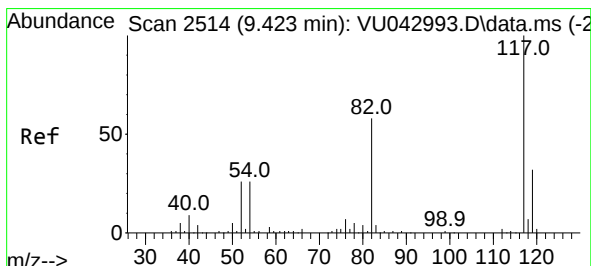
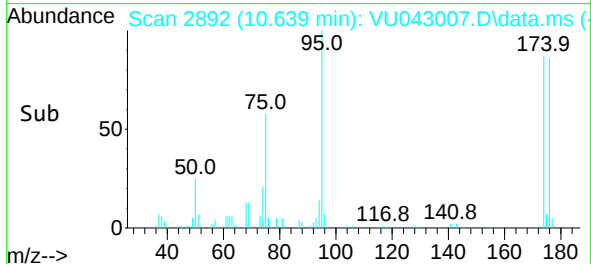
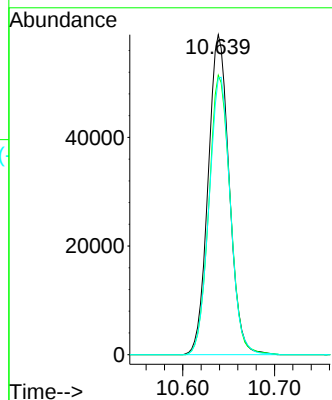
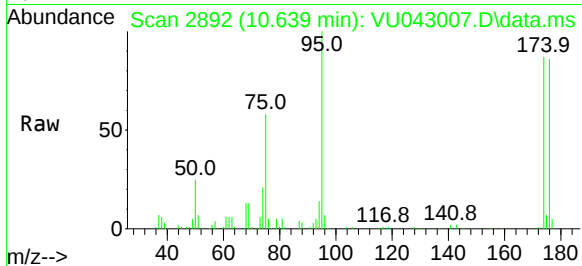




#62
4-Bromofluorobenzene
Concen: 44.23 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.000 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

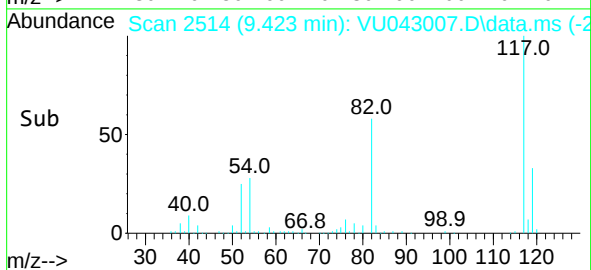
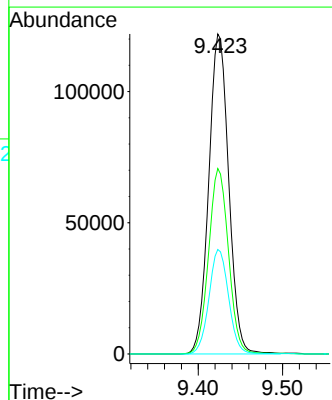
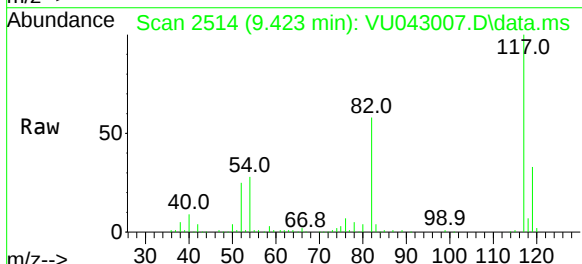
Instrument :
MSVOA_U
ClientSampleId :
TR2-D-TOP

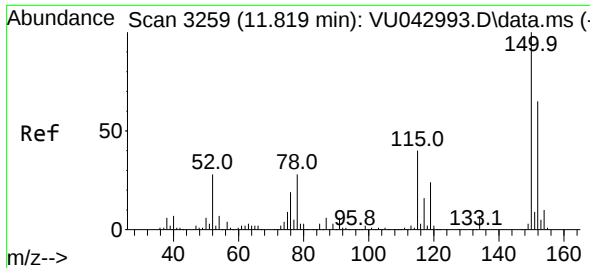
Tgt Ion: 95 Resp: 94153
Ion Ratio Lower Upper
95 100
174 88.2 0.0 168.8
176 87.5 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

Tgt Ion: 117 Resp: 200777
Ion Ratio Lower Upper
117 100
82 58.0 46.5 69.7
119 32.7 25.7 38.5

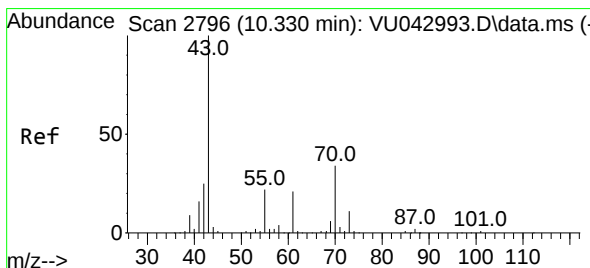
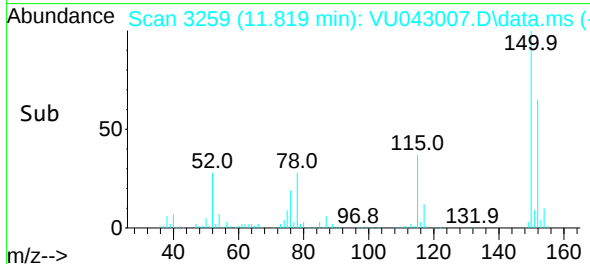
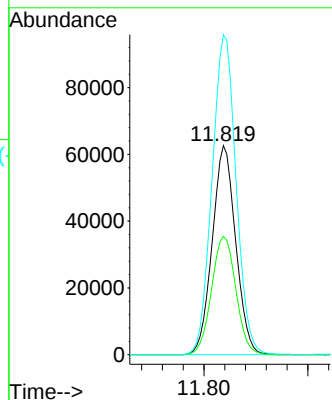
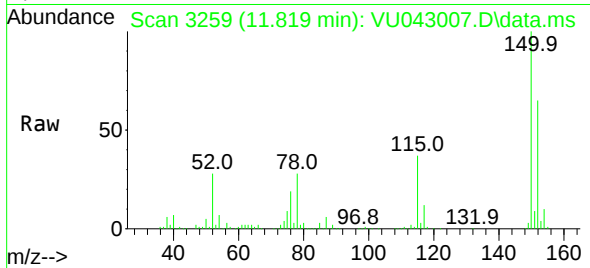




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

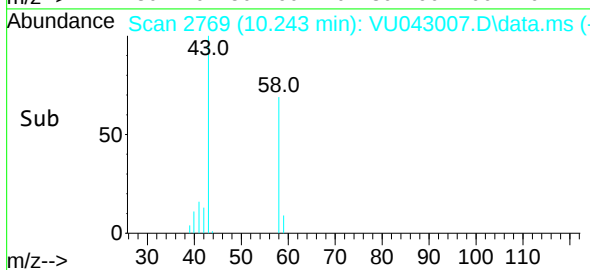
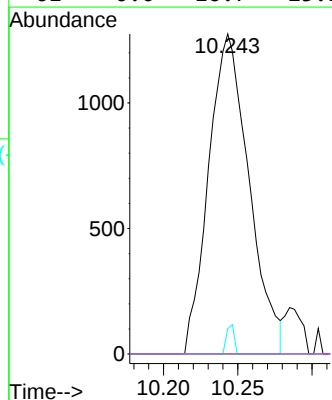
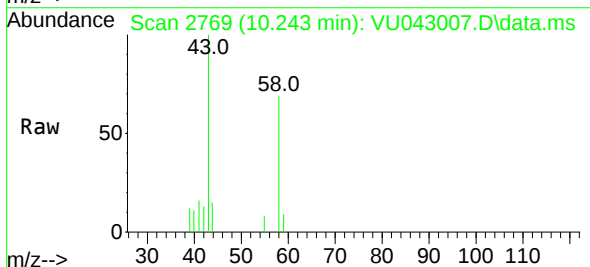
Instrument :
MSVOA_U
ClientSampleId :
TR2-D-TOP

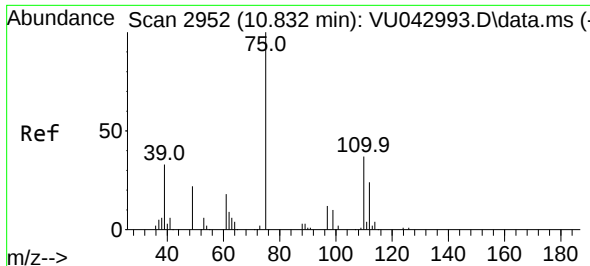
Tgt Ion:152 Resp: 98159
Ion Ratio Lower Upper
152 100
115 58.5 42.8 128.3
150 156.7 0.0 347.6



#74
N-ethyl acetate
Concen: 0.63 ug/l
RT: 10.243 min Scan# 2769
Delta R.T. -0.087 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

Tgt Ion: 43 Resp: 2410
Ion Ratio Lower Upper
43 100
70 0.0 27.4 41.0#
55 1.7 17.8 26.6#
61 0.0 16.7 25.1#

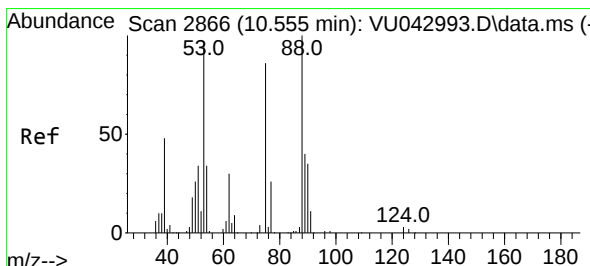
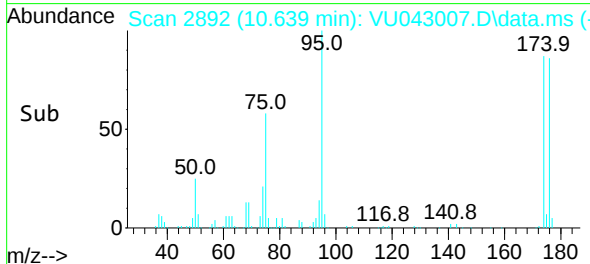
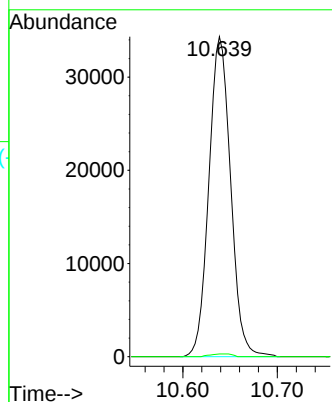
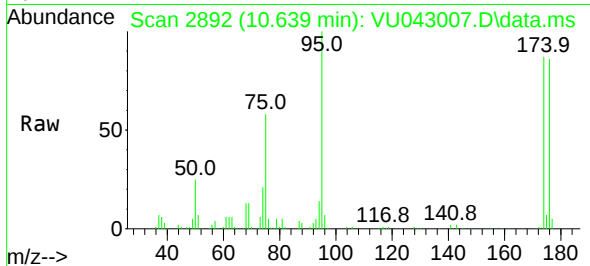




#76
1,2,3-Trichloropropane
Concen: 19.60 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

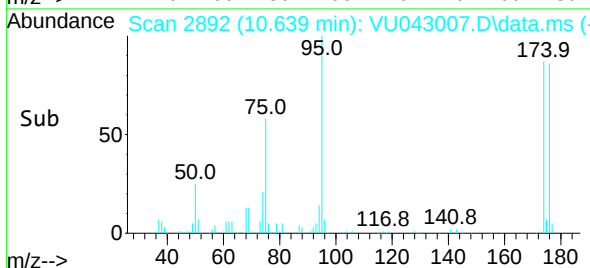
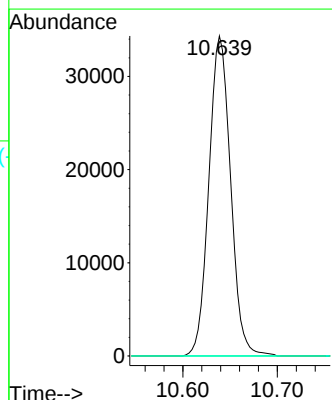
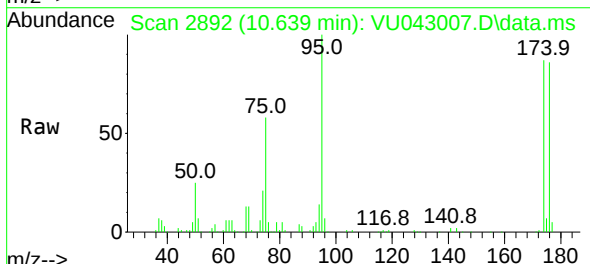
Instrument :
MSVOA_U
ClientSampled :
TR2-D-TOP

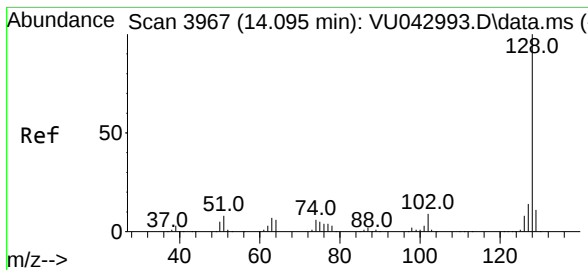
Tgt Ion: 75 Resp: 54868
Ion Ratio Lower Upper
75 100
77 0.9 18.2 54.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.55 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

Tgt Ion: 75 Resp: 54868
Ion Ratio Lower Upper
75 100
53 0.0 91.1 136.7#
89 0.0 37.1 55.7#





#95
Naphthalene
Concen: 3.24 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU043007.D
Acq: 09 Apr 2021 17:04

Instrument :
MSVOA_U
ClientSampleId :
TR2-D-TOP

Tgt Ion:128 Resp: 239
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.7 13.1#

