

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041921\
 Data File : VU043198.D
 Acq On : 19 Apr 2021 16:49
 Operator : SY/MD
 Sample : PB135814ZHE#01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 20 02:57:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 12 13:17:29 2021
 Response via : Initial Calibration

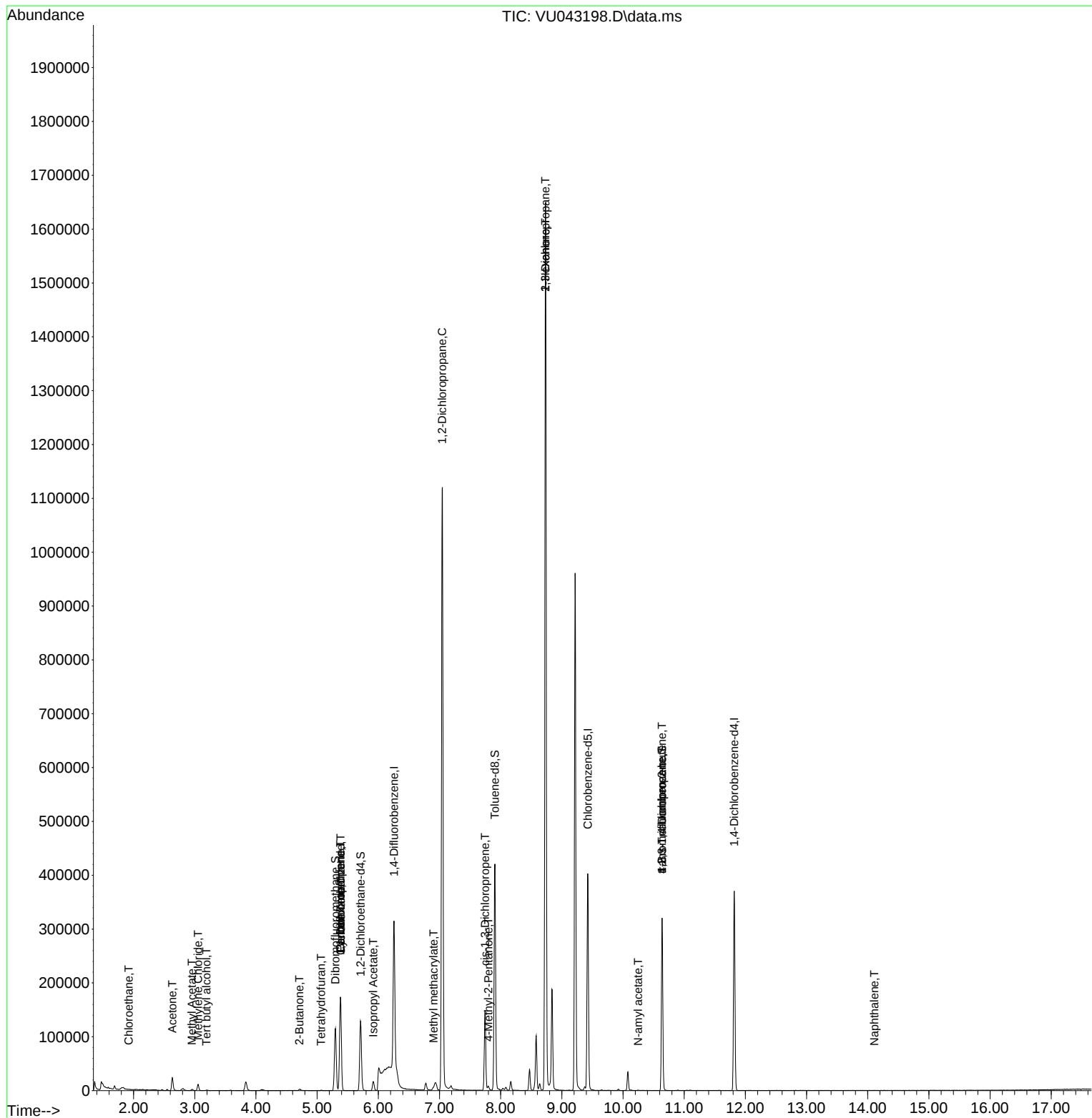
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.382	168	117473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	204515	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	198359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	92592	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	101136	51.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.42%	
35) Dibromofluoromethane	5.298	113	69797	45.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.84%	
50) Toluene-d8	7.906	98	252553	46.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.88%	
62) 4-Bromofluorobenzene	10.639	95	91987	42.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.48%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.485	50	469	Below Cal	#	41
6) Chloroethane	1.919	64	488	0.50	ug/l #	42
11) Tert butyl alcohol	3.189	59	1013	1.99	ug/l #	94
16) Acetone	2.633	43	29571	25.17	ug/l	97
18) Methyl Acetate	2.951	43	3607	1.46	ug/l #	87
20) Methylene Chloride	3.054	84	4636	3.31	ug/l	98
25) 2-Butanone	4.710	43	4486	2.50	ug/l	99
29) Tetrahydrofuran	5.063	42	448	0.40	ug/l #	44
31) Cyclohexane	5.385	56	2908	1.19	ug/l #	20
36) 1,1-Dichloropropene	5.379	75	9919	4.57	ug/l #	51
38) Carbon Tetrachloride	5.382	117	12122	5.21	ug/l #	16
43) Isopropyl Acetate	5.919	43	18858	3.56	ug/l	94
45) 1,2-Dichloropropane	7.044	63	1100	0.64	ug/l #	43
48) Methyl methacrylate	6.903	41	7087	2.67	ug/l #	17
51) 4-Methyl-2-Pentanone	7.800	43	5176	1.32	ug/l	97
54) cis-1,3-Dichloropropene	7.745	75	22143	8.14	ug/l #	68
57) 1,3-Dichloropropane	8.732	76	14683	5.16	ug/l #	43
59) 2-Hexanone	8.732	43	258242	80.12	ug/l #	54
74) N-amyl acetate	10.246	43	987	0.25	ug/l #	48
76) 1,2,3-Trichloropropane	10.639	75	53380	19.73	ug/l #	36
81) trans-1,4-Dichloro-2-b...	10.639	75	53380	57.97	ug/l #	7
95) Naphthalene	14.108	128	69	2.75	ug/l #	69

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

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ClientSampleId :

Quant Time: Apr 20 02:57:00 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 12 13:17:29 2021
Response via : Initial Calibration

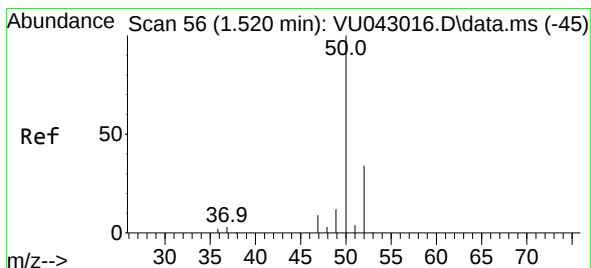
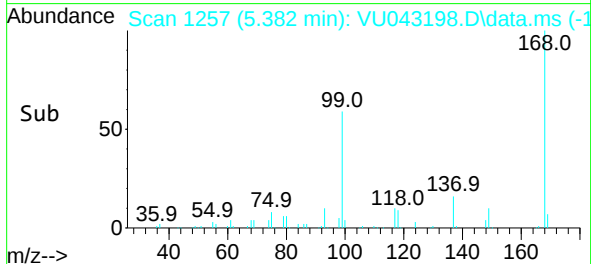
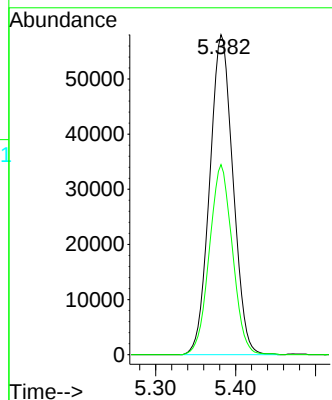
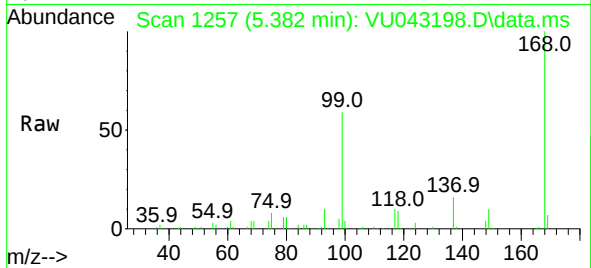




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

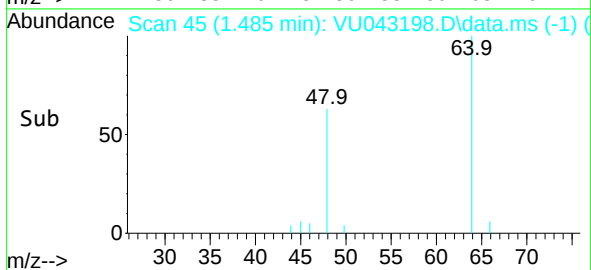
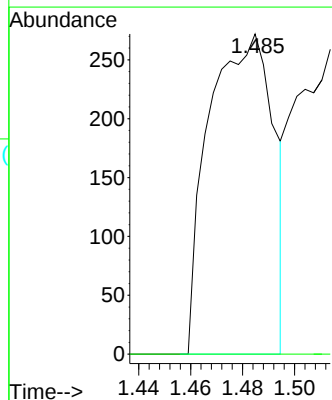
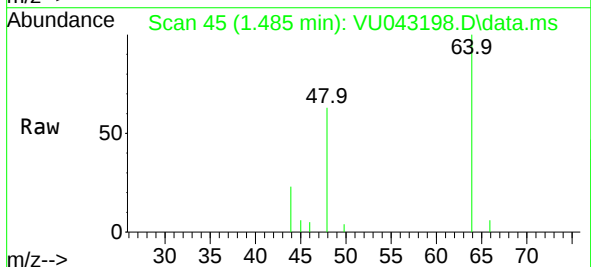
Instrument :
MSVOA_U
ClientSampled :

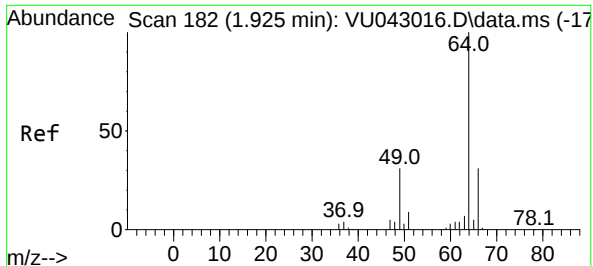
Tgt Ion:168 Resp: 117473
Ion Ratio Lower Upper
168 100
99 59.4 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.485 min Scan# 45
Delta R.T. -0.035 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

Tgt Ion: 50 Resp: 469
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

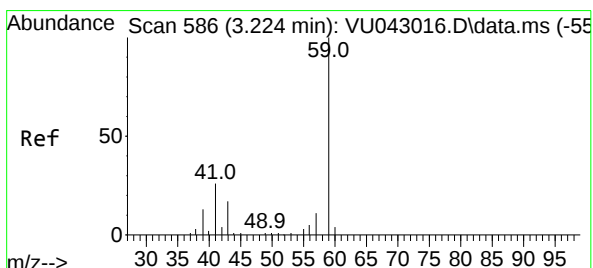
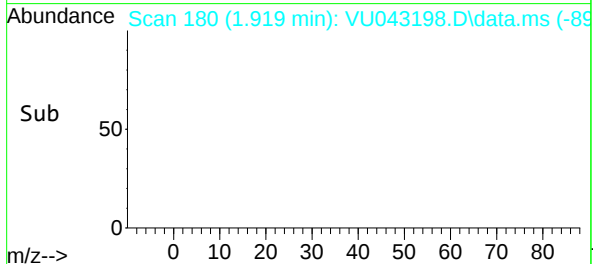
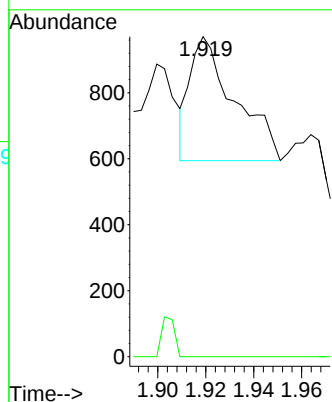
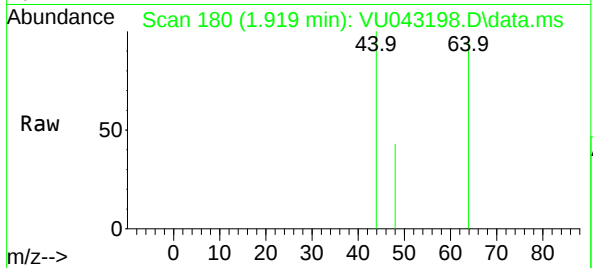




#6
Chloroethane
Concen: 0.50 ug/l
RT: 1.919 min Scan# 180
Delta R.T. -0.006 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

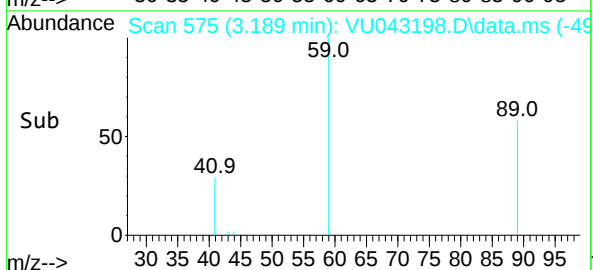
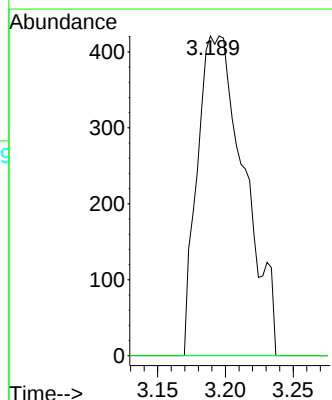
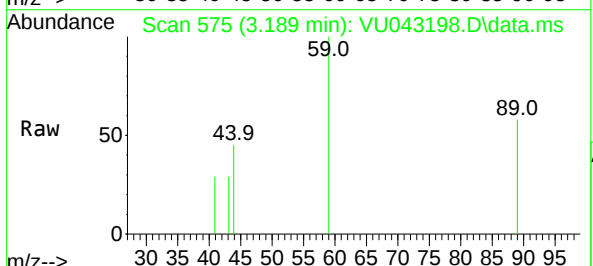
Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 64 Resp: 488
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 1.99 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.035 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

Tgt Ion: 59 Resp: 1013
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#

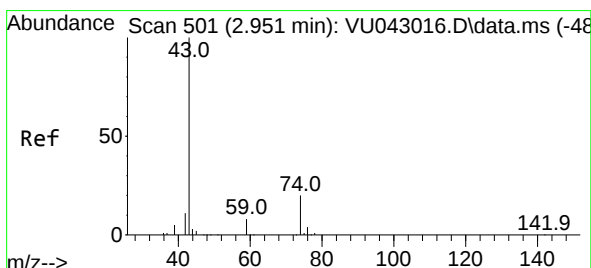
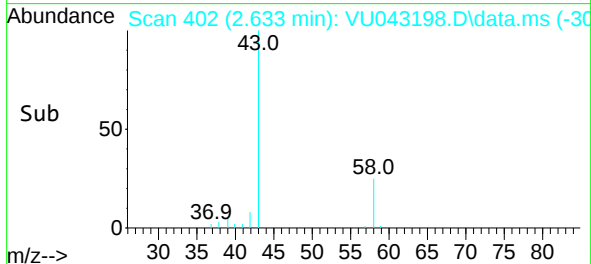
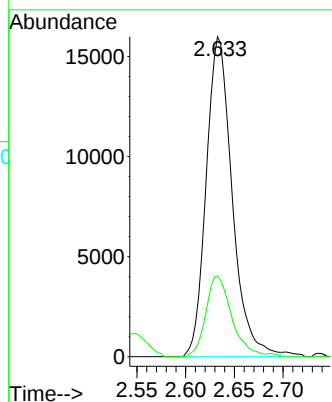
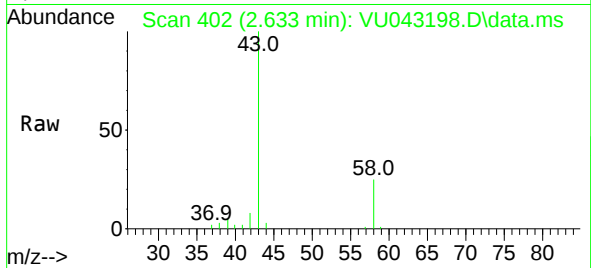




#16
Acetone
Concen: 25.17 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

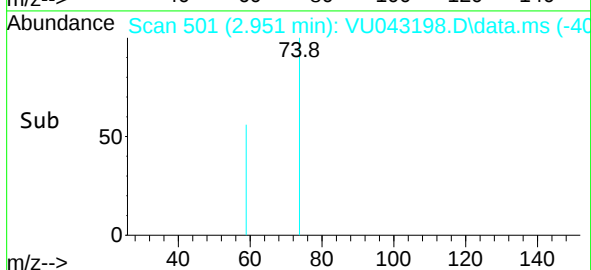
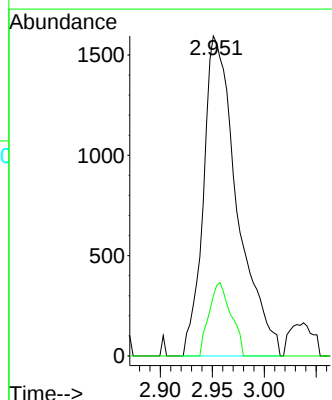
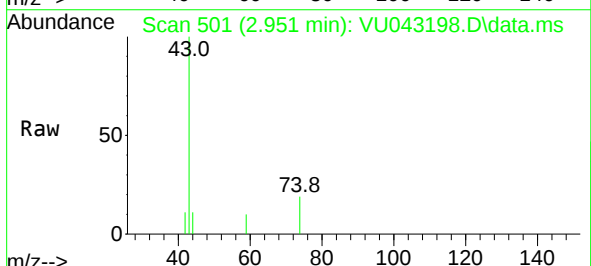
Instrument :
MSVOA_U
ClientSampled :

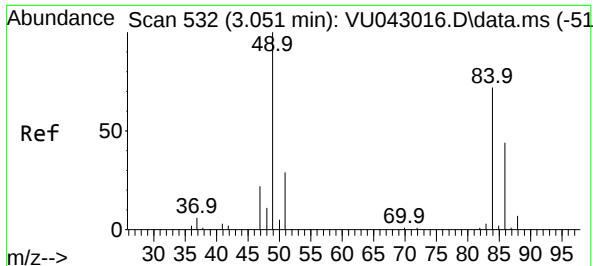
Tgt Ion: 43 Resp: 29571
Ion Ratio Lower Upper
43 100
58 25.2 21.5 32.3



#18
Methyl Acetate
Concen: 1.46 ug/l
RT: 2.951 min Scan# 501
Delta R.T. -0.000 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

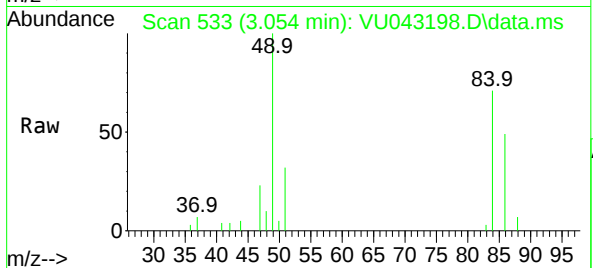
Tgt Ion: 43 Resp: 3607
Ion Ratio Lower Upper
43 100
74 14.8 16.6 25.0#





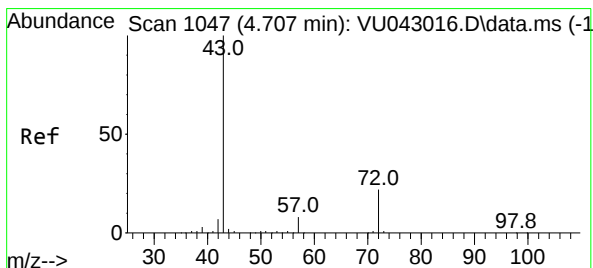
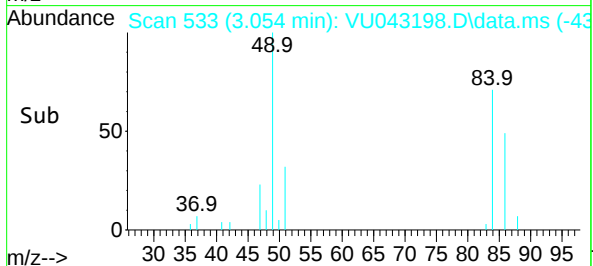
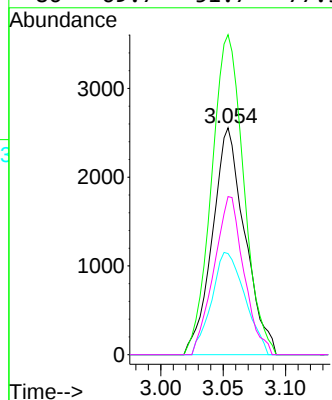
#20
Methylene Chloride
Concen: 3.31 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

Instrument :
MSVOA_U
ClientSampleId :

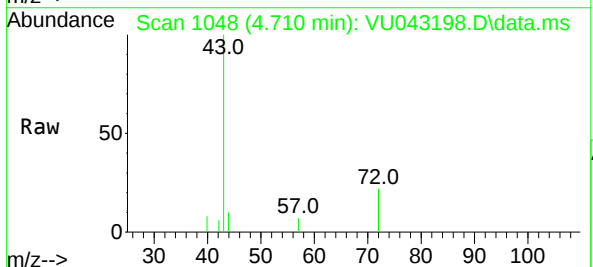


Tgt Ion: 84 Resp: 4636

Ion	Ratio	Lower	Upper
84	100		
49	141.1	112.6	169.0
51	44.6	33.7	50.5
86	69.7	51.7	77.5

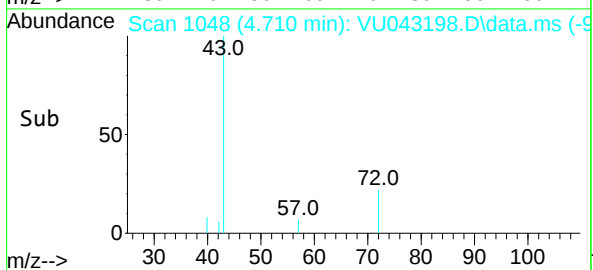
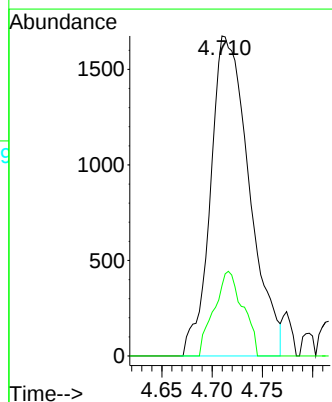


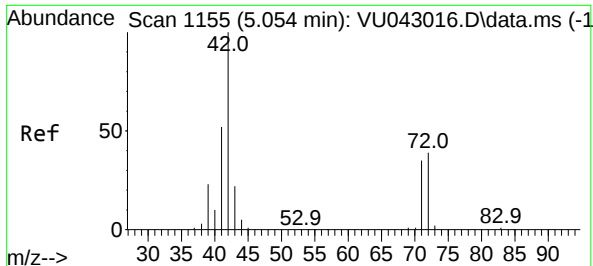
#25
2-Butanone
Concen: 2.50 ug/l
RT: 4.710 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49



Tgt Ion: 43 Resp: 4486

Ion	Ratio	Lower	Upper
43	100		
72	22.0	17.4	26.0





#29

Tetrahydrofuran

Concen: 0.40 ug/l

RT: 5.063 min Scan# 1158

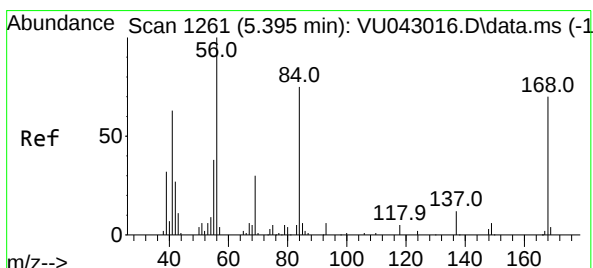
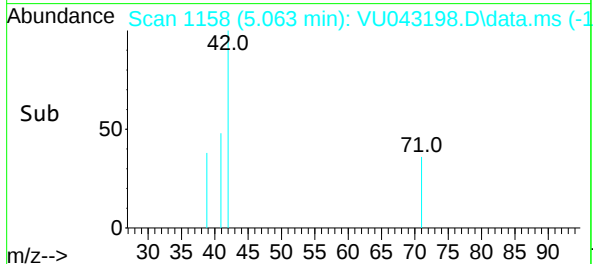
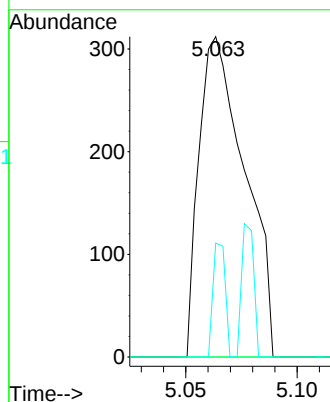
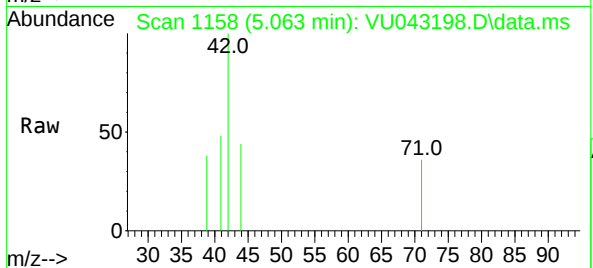
Delta R.T. 0.009 min

Lab File: VU043198.D

Acq: 19 Apr 2021 16:49

Tgt Ion:	42	Resp:	448
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.5	47.3#
71	9.4	29.5	44.3#

Instrument :
MSVOA_U
ClientSampled :



#31

Cyclohexane

Concen: 1.19 ug/l

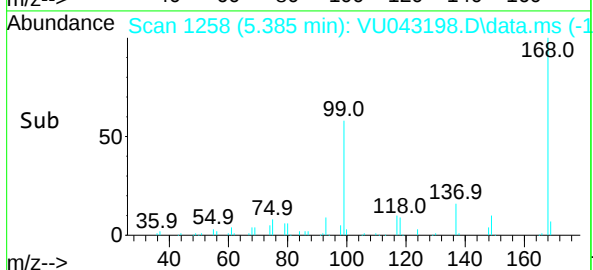
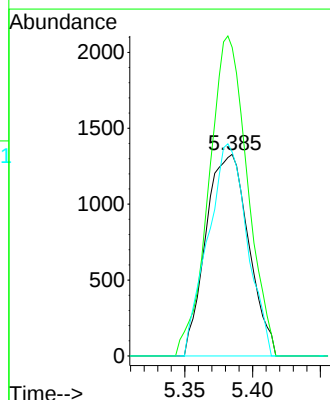
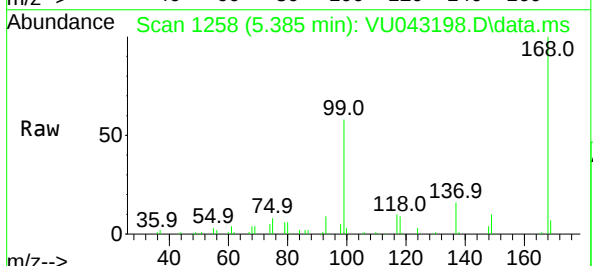
RT: 5.385 min Scan# 1258

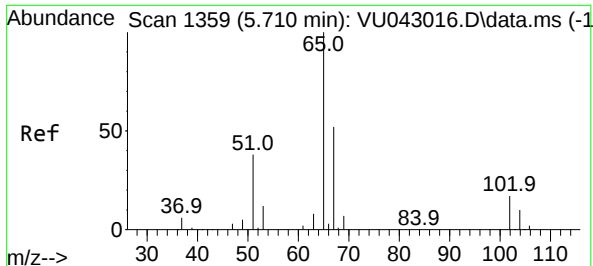
Delta R.T. -0.010 min

Lab File: VU043198.D

Acq: 19 Apr 2021 16:49

Tgt Ion:	56	Resp:	2908
Ion	Ratio	Lower	Upper
56	100		
69	153.0	24.9	37.3#
84	101.1	63.7	95.5#





#33

1,2-Dichloroethane-d4

Concen: 51.21 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU043198.D

Acq: 19 Apr 2021 16:49

Tgt Ion: 65 Resp: 101136

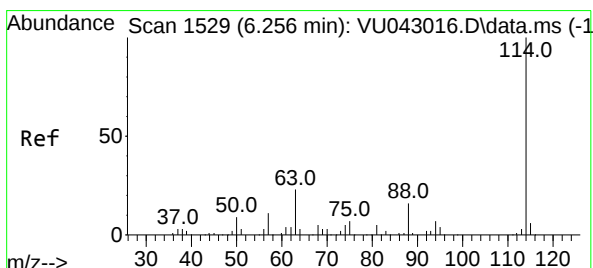
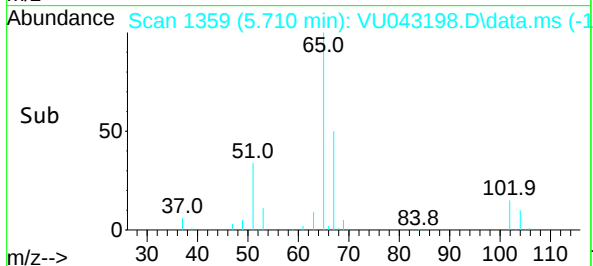
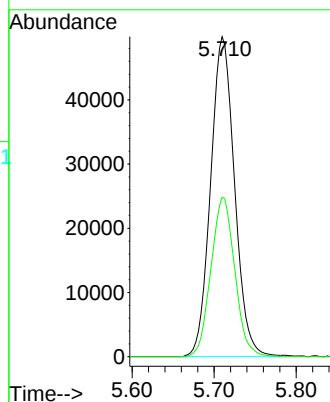
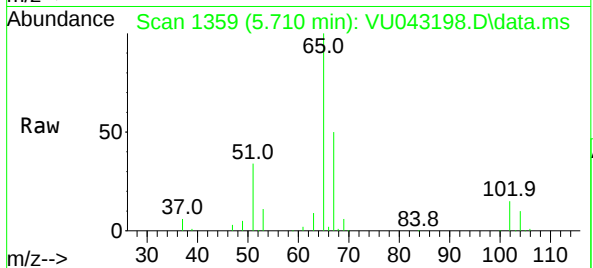
Ion Ratio Lower Upper

65	100		
67	49.5	0.0	99.8

Instrument :

MSVOA_U

ClientSampled :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

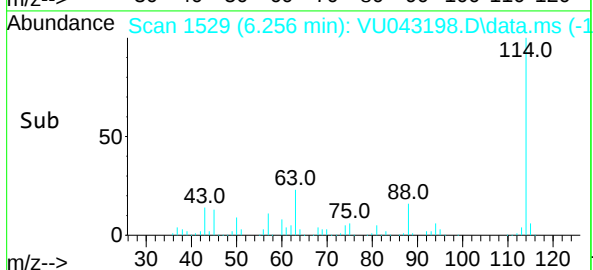
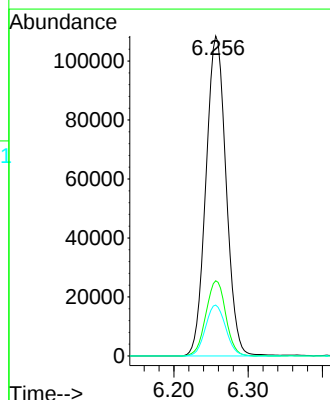
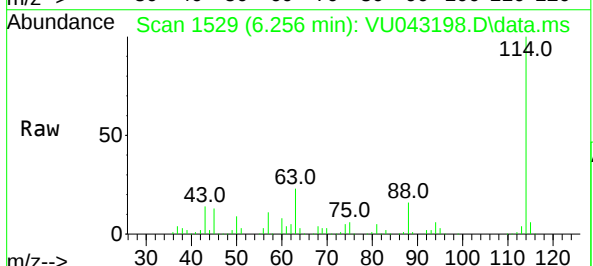
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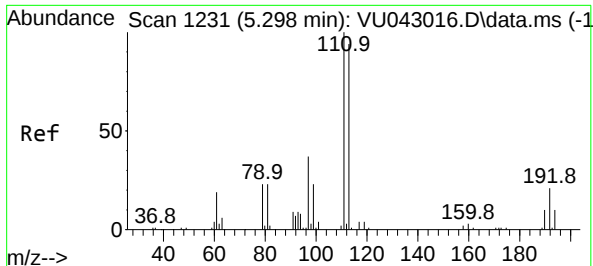
Acq: 19 Apr 2021 16:49

Tgt Ion: 114 Resp: 204515

Ion Ratio Lower Upper

114	100		
63	23.5	0.0	44.2
88	15.9	0.0	33.4

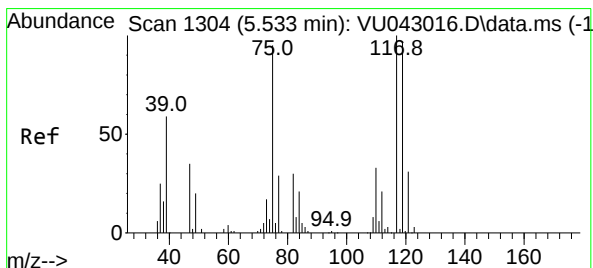
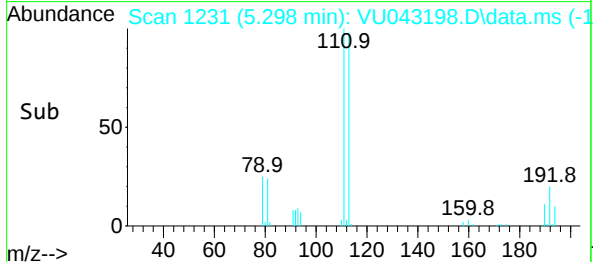
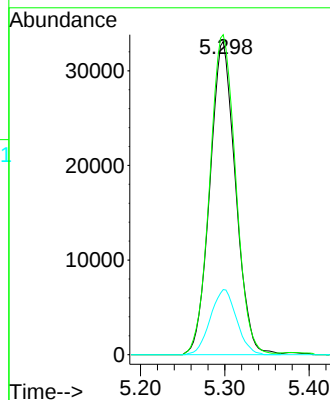
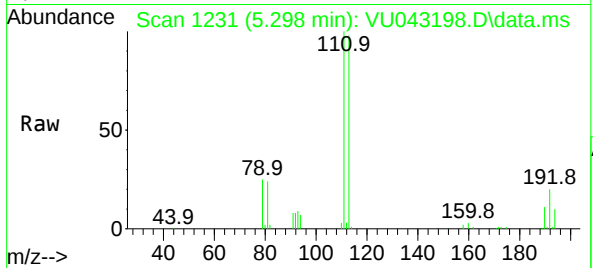




#35
Dibromofluoromethane
Concen: 45.42 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

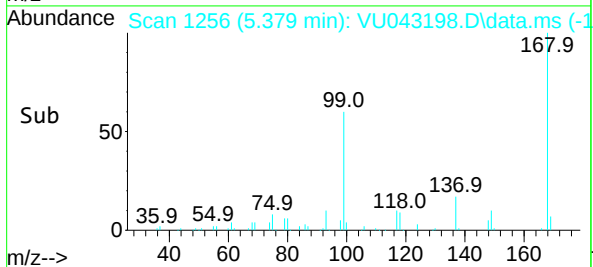
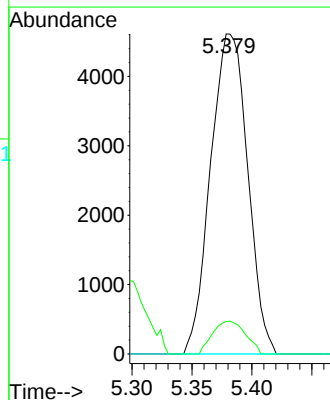
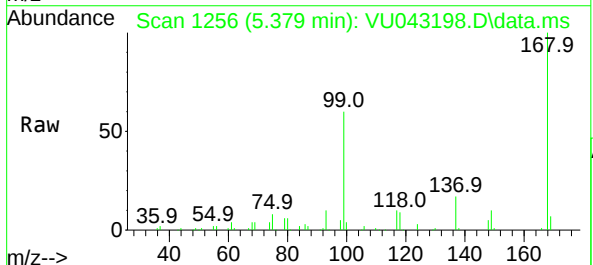
Instrument :
MSVOA_U
ClientSampled :

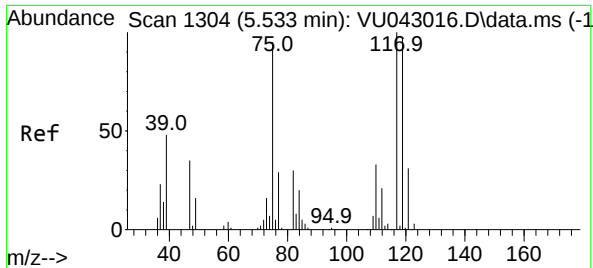
Tgt Ion:113 Resp: 69797
Ion Ratio Lower Upper
113 100
111 103.7 81.8 122.8
192 21.3 17.2 25.8



#36
1,1-Dichloropropene
Concen: 4.57 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.154 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

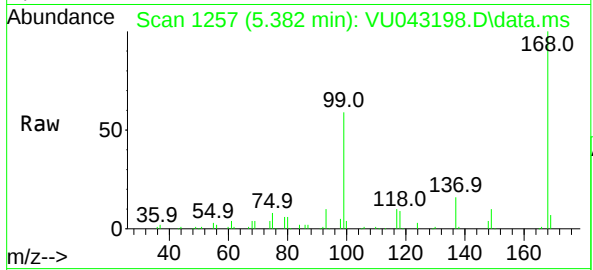
Tgt Ion: 75 Resp: 9919
Ion Ratio Lower Upper
75 100
110 9.1 16.8 50.3#
77 0.0 24.8 37.2#



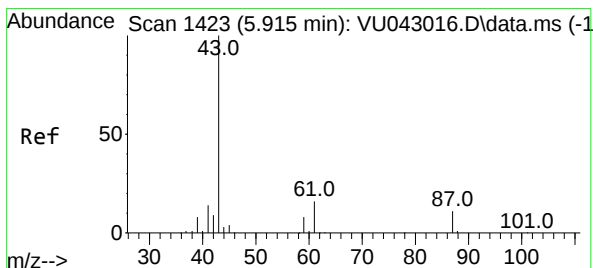
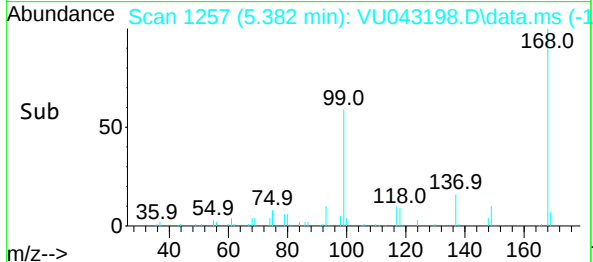
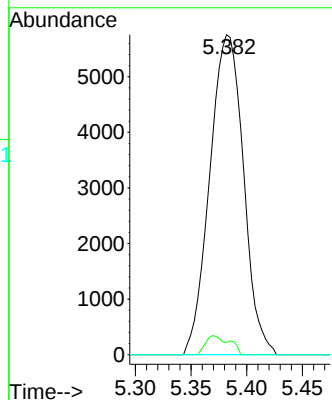


#38
Carbon Tetrachloride
Concen: 5.21 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

Instrument :
MSVOA_U
ClientSampled :

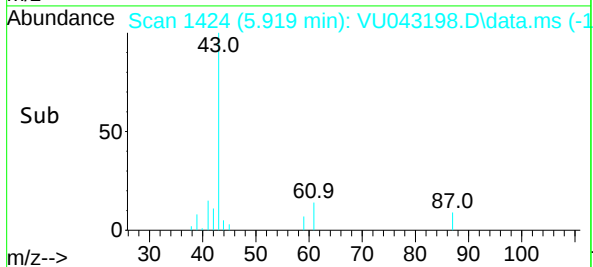
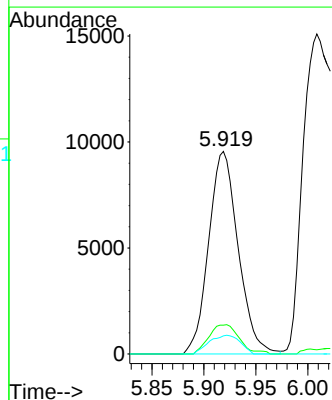
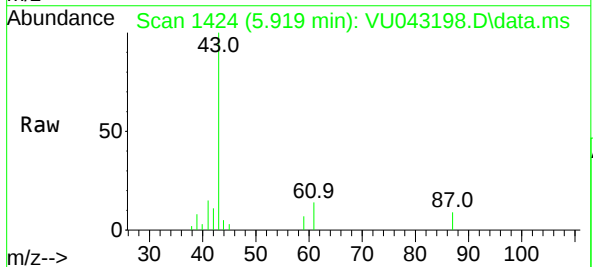


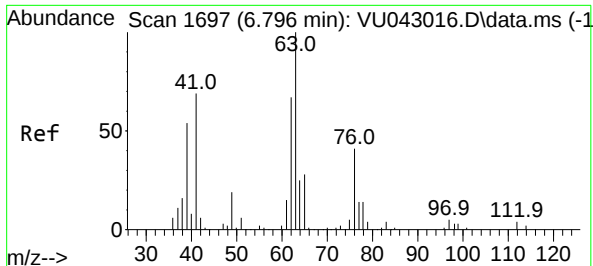
Tgt Ion:117 Resp: 12122
Ion Ratio Lower Upper
117 100
119 3.8 75.5 113.3#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 3.56 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. 0.004 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

Tgt Ion: 43 Resp: 18858
Ion Ratio Lower Upper
43 100
61 14.9 14.4 21.6
87 9.7 8.8 13.2

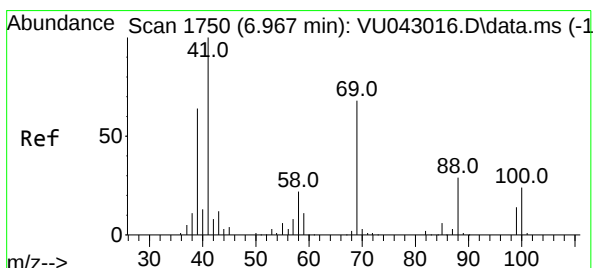
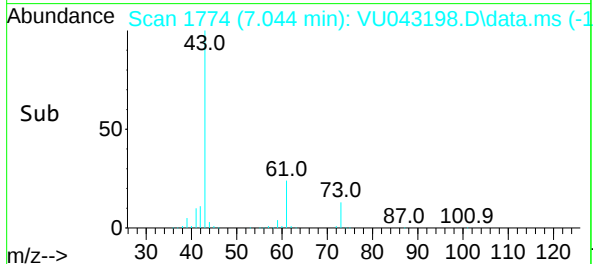
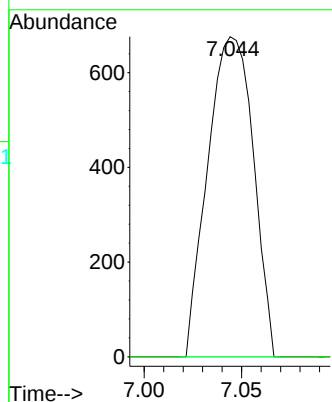
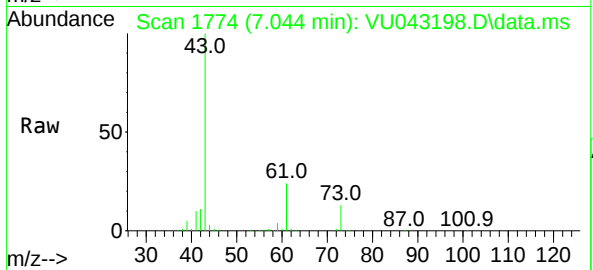




#45
1,2-Dichloropropane
Concen: 0.64 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.248 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

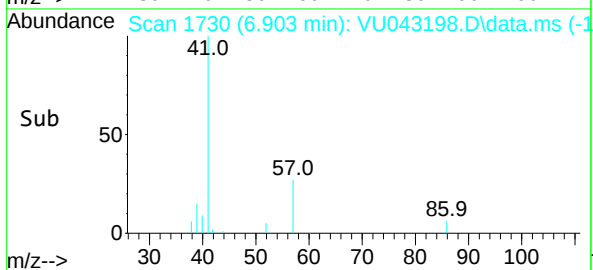
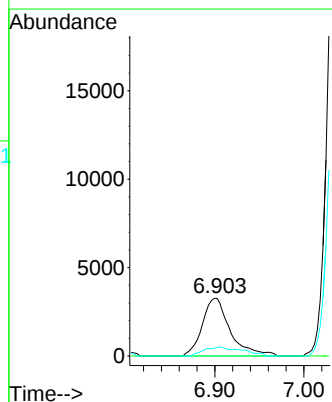
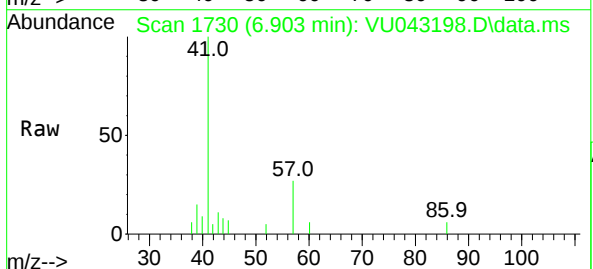
Instrument :
MSVOA_U
ClientSampled :

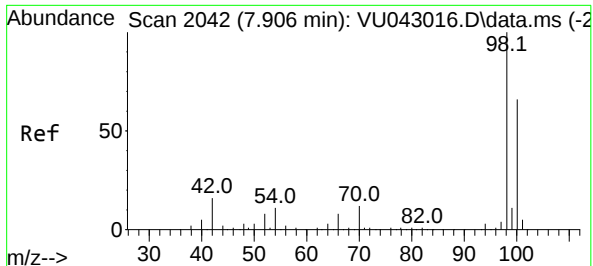
Tgt Ion: 63 Resp: 1100
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#



#48
Methyl methacrylate
Concen: 2.67 ug/l
RT: 6.903 min Scan# 1730
Delta R.T. -0.064 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

Tgt Ion: 41 Resp: 7087
Ion Ratio Lower Upper
41 100
69 0.0 57.0 85.6#
39 0.0 48.4 72.6#

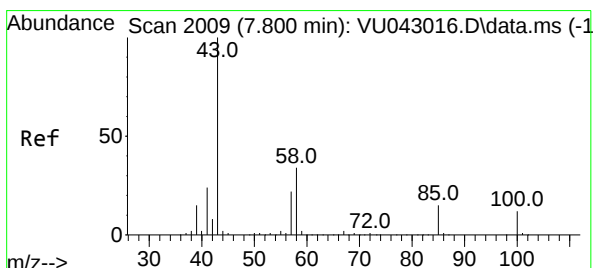
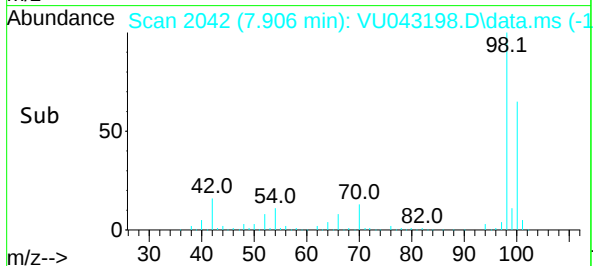
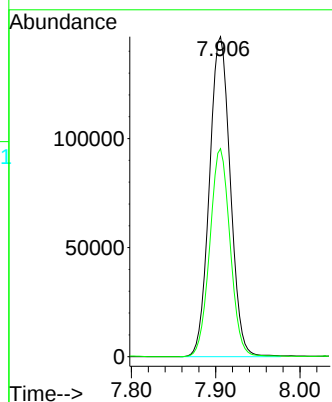
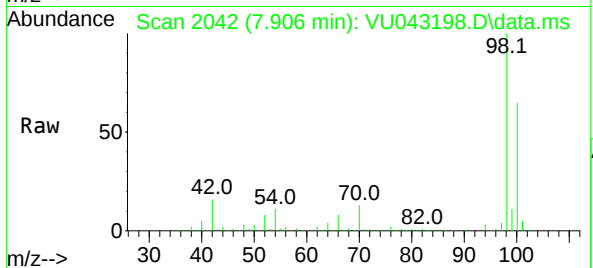




#50
Toluene-d8
Concen: 46.44 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

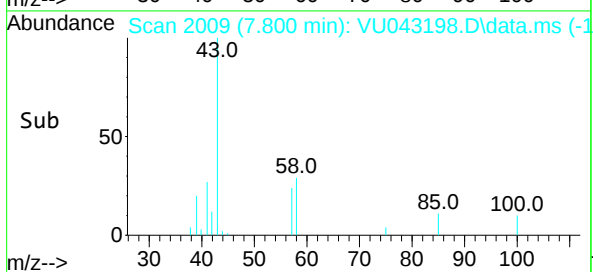
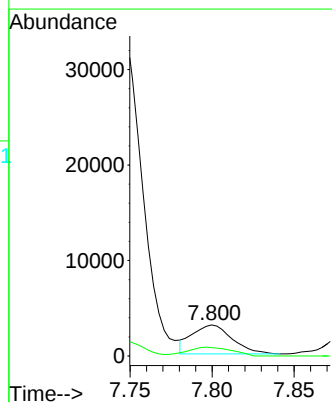
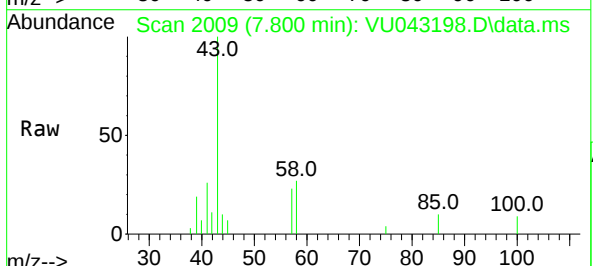
Instrument :
MSVOA_U
ClientSampled :

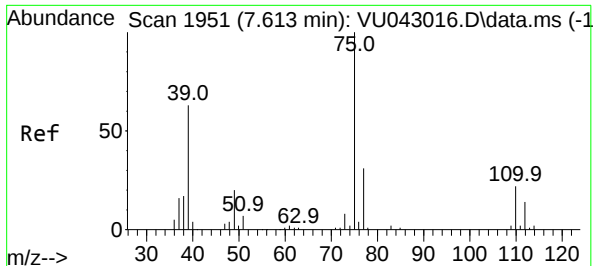
Tgt Ion: 98 Resp: 252553
Ion Ratio Lower Upper
98 100
100 63.4 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.32 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

Tgt Ion: 43 Resp: 5176
Ion Ratio Lower Upper
43 100
58 33.3 28.1 42.1

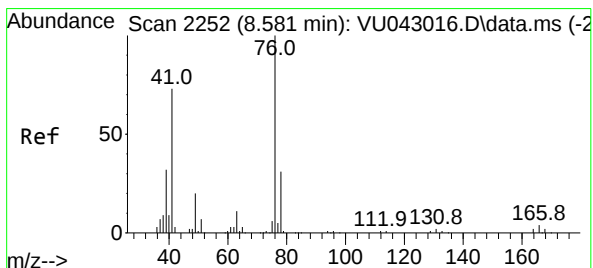
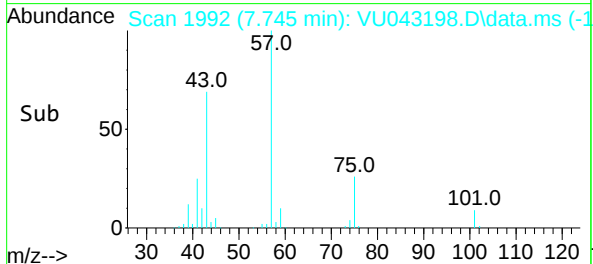
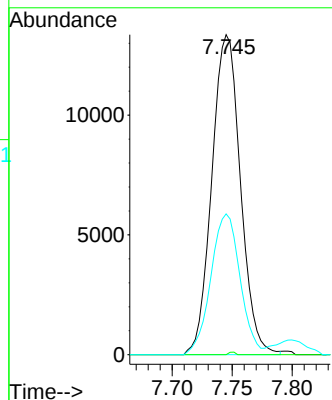
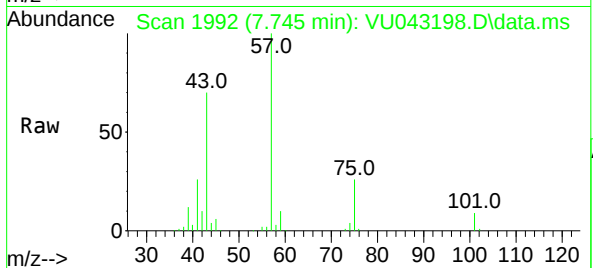




#54
cis-1,3-Dichloropropene
Concen: 8.14 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

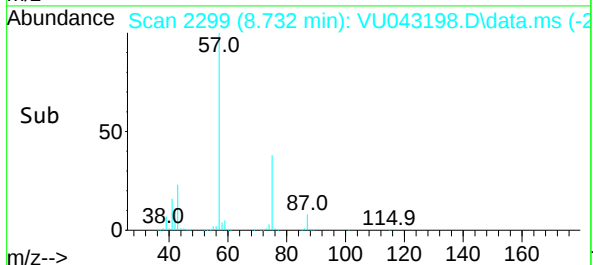
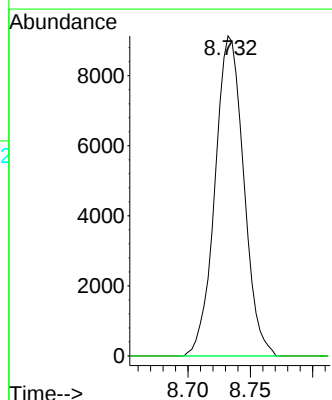
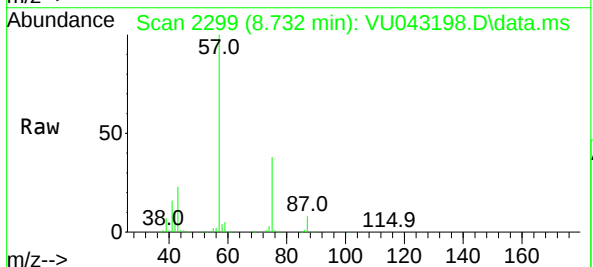
Instrument :
MSVOA_U
ClientSampled :

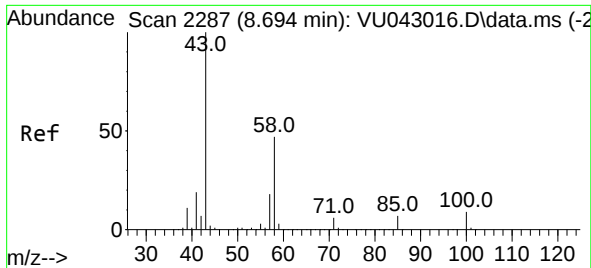
Tgt Ion: 75 Resp: 22143
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 44.0 46.1 69.1#



#57
1,3-Dichloropropane
Concen: 5.16 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

Tgt Ion: 76 Resp: 14683
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

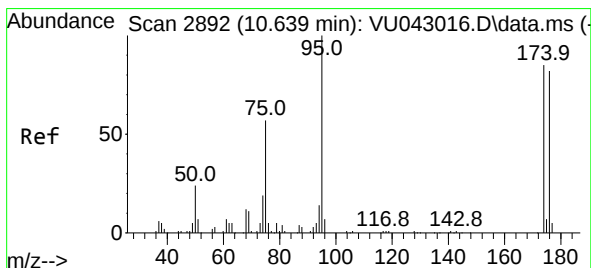
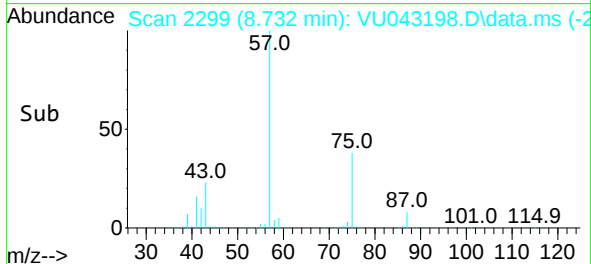
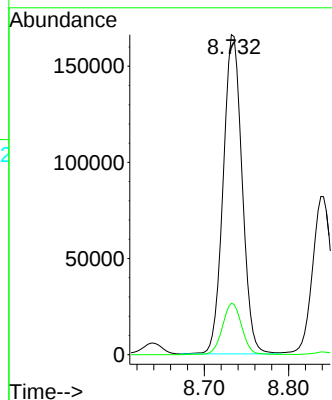
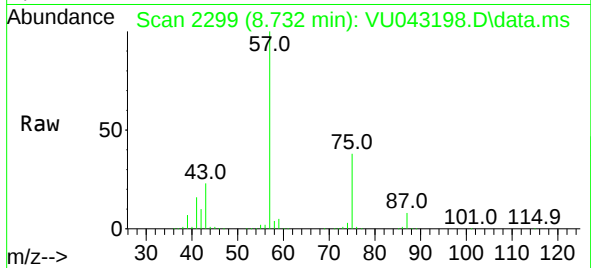




#59
2-Hexanone
Concen: 80.12 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

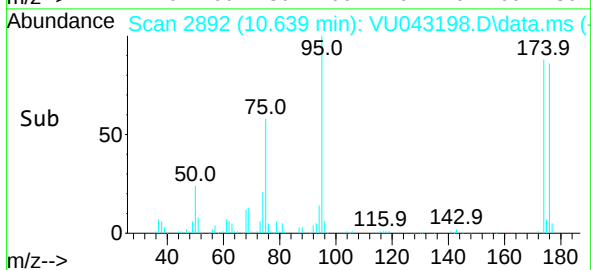
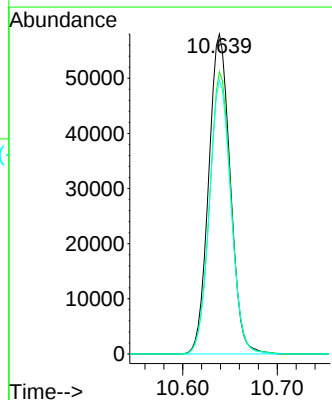
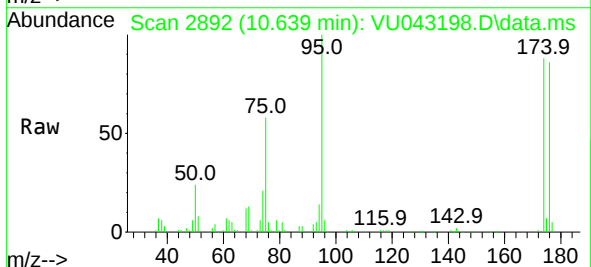
Instrument :
MSVOA_U
ClientSampled :

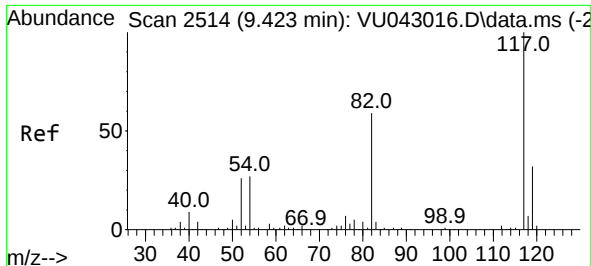
Tgt Ion: 43 Resp: 258242
Ion Ratio Lower Upper
43 100
58 16.6 24.0 72.0#



#62
4-Bromofluorobenzene
Concen: 42.24 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

Tgt Ion: 95 Resp: 91987
Ion Ratio Lower Upper
95 100
174 88.0 0.0 172.2
176 85.3 0.0 168.8

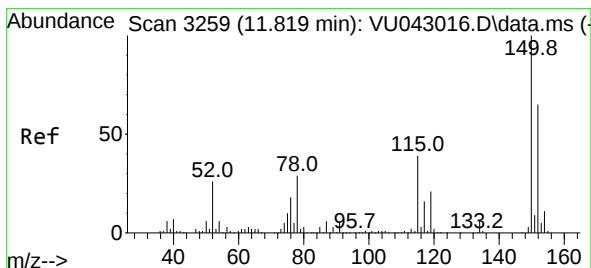
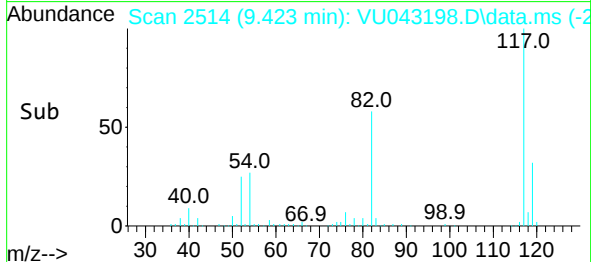
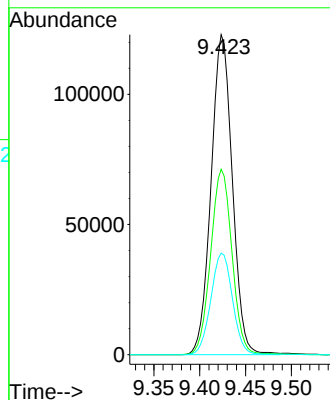
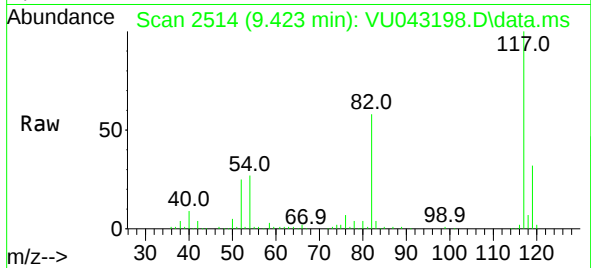




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

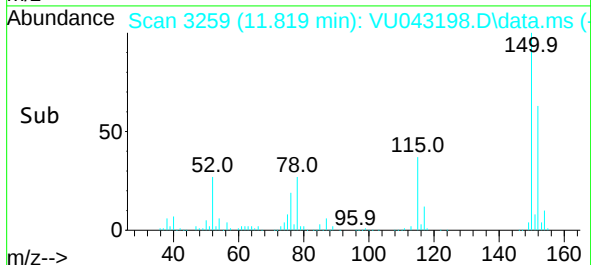
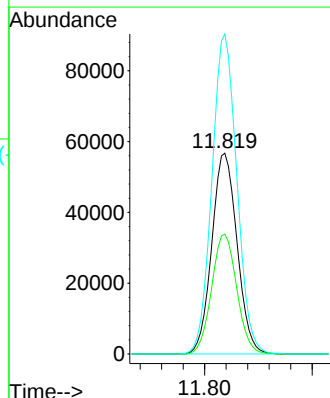
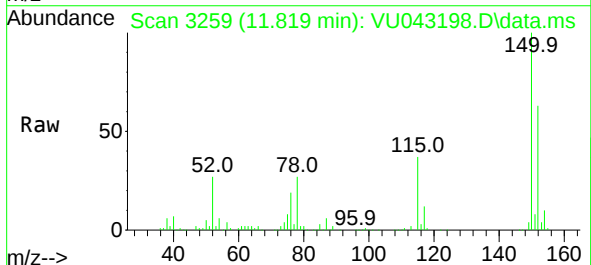
Instrument :
MSVOA_U
ClientSampled :

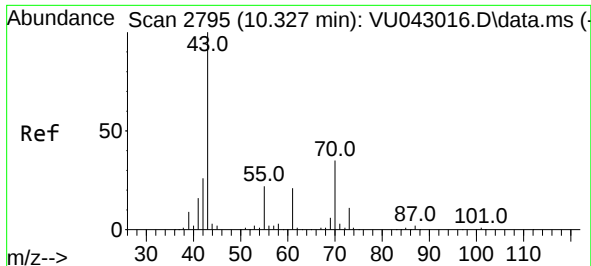
Tgt Ion:117 Resp: 198359
Ion Ratio Lower Upper
117 100
82 57.9 45.8 68.6
119 31.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

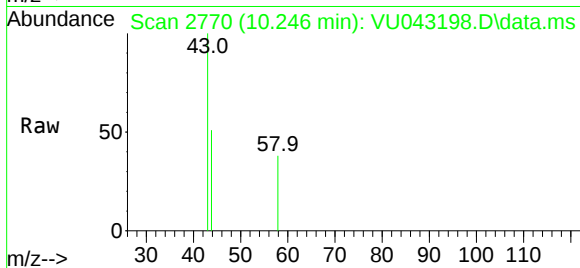
Tgt Ion:152 Resp: 92592
Ion Ratio Lower Upper
152 100
115 59.2 41.5 124.6
150 156.9 0.0 342.4



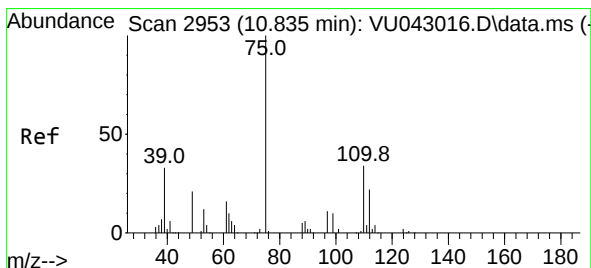
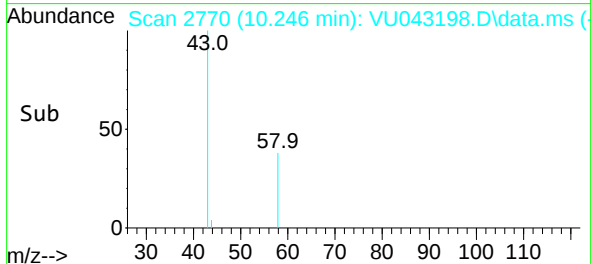
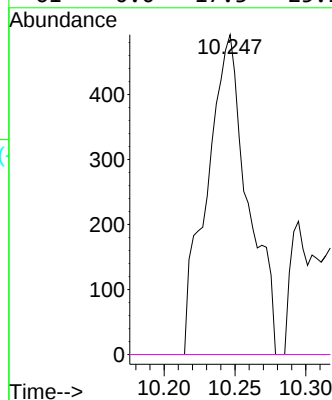


#74
N-amy1 acetate
Concen: 0.25 ug/l
RT: 10.246 min Scan# 2770
Delta R.T. -0.081 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

Instrument :
MSVOA_U
ClientSampleId :

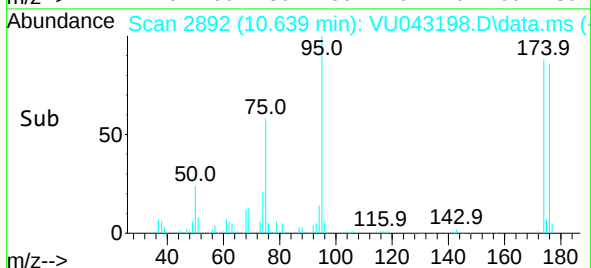
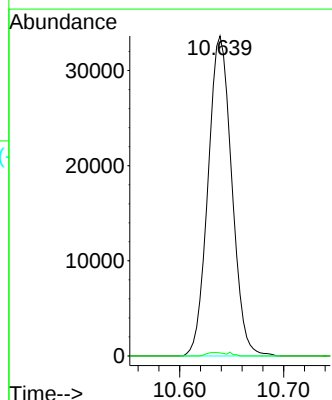
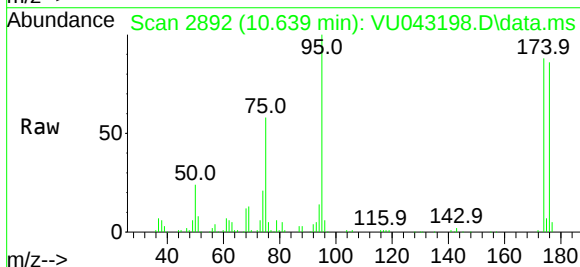


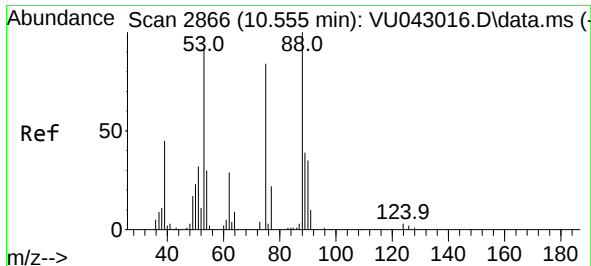
Tgt Ion: 43 Resp: 987
Ion Ratio Lower Upper
43 100
70 0.0 28.3 42.5#
55 0.0 17.2 25.8#
61 0.0 17.3 25.9#



#76
1,2,3-Trichloropropane
Concen: 19.73 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

Tgt Ion: 75 Resp: 53380
Ion Ratio Lower Upper
75 100
77 0.8 20.2 60.5#

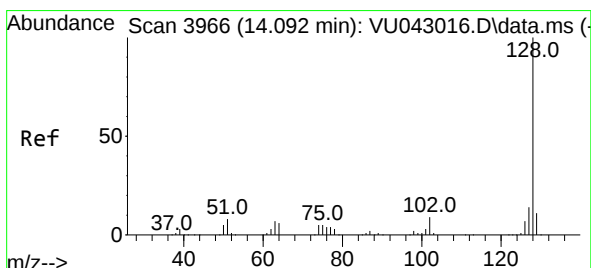
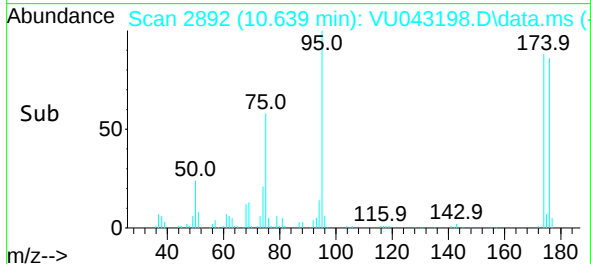
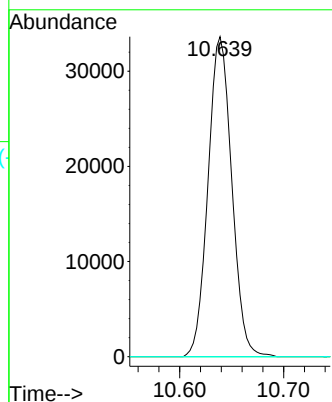
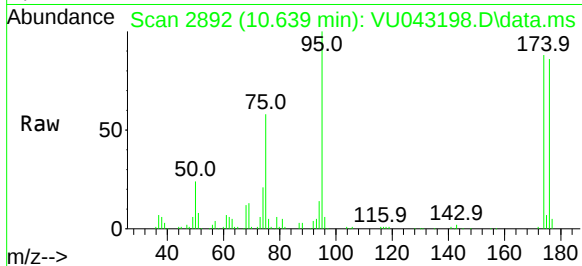




#81
trans-1,4-Dichloro-2-butene
Concen: 57.97 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 53380
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#



#95
Naphthalene
Concen: 2.75 ug/l
RT: 14.108 min Scan# 3971
Delta R.T. 0.016 min
Lab File: VU043198.D
Acq: 19 Apr 2021 16:49

Tgt Ion:128 Resp: 69
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

