

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042821\
 Data File : VU043366.D
 Acq On : 28 Apr 2021 00:27
 Operator : SY/MD
 Sample : M2133-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 28 09:13:51 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)

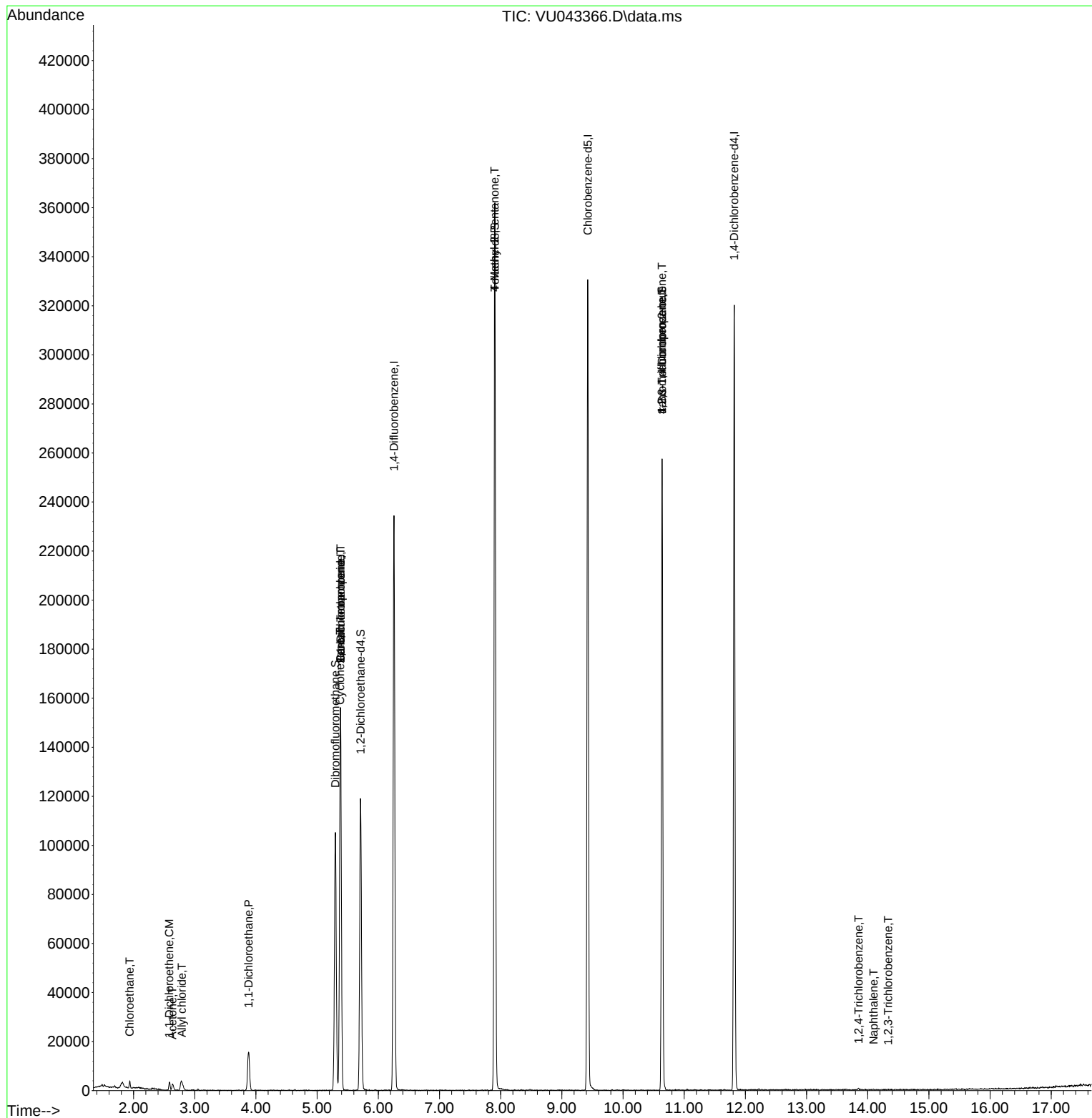
Internal Standards						
1) Pentafluorobenzene	5.382	168	102943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	174532	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	165111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	76901	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	91762	53.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.04%	
35) Dibromofluoromethane	5.298	113	64526	49.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.40%	
50) Toluene-d8	7.906	98	217872	46.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.90%	
62) 4-Bromofluorobenzene	10.639	95	75442	40.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.20%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	590	Below Cal		100
6) Chloroethane	1.938	64	1928	2.38 ug/l #		88
12) 1,1-Dichloroethene	2.584	96	942	0.98 ug/l		88
14) Allyl chloride	2.790	41	573	0.25 ug/l #		69
16) Acetone	2.636	43	3056	2.70 ug/l		96
24) 1,1-Dichloroethane	3.880	63	18676	8.26 ug/l		98
31) Cyclohexane	5.375	56	2579	1.21 ug/l #		34
36) 1,1-Dichloropropene	5.382	75	8751	4.73 ug/l #		51
38) Carbon Tetrachloride	5.382	117	10995	5.54 ug/l #		17
51) 4-Methyl-2-Pentanone	7.903	43	1385	0.41 ug/l #		1
76) 1,2,3-Trichloropropane	10.639	75	43473	19.35 ug/l #		37
81) trans-1,4-Dichloro-2-b...	10.639	75	43473	56.85 ug/l #		7
93) 1,2,4-Trichlorobenzene	13.851	180	427	1.74 ug/l #		68
95) Naphthalene	14.095	128	123	2.76 ug/l #		69
96) 1,2,3-Trichlorobenzene	14.333	180	43	1.48 ug/l #		46

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

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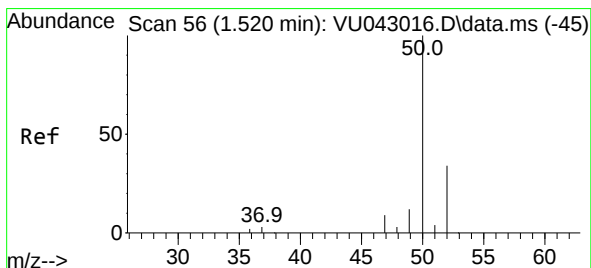
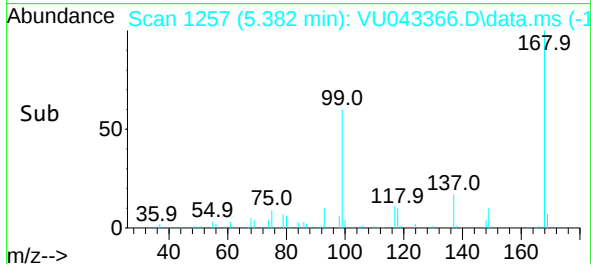
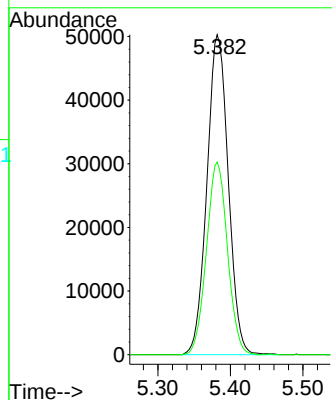
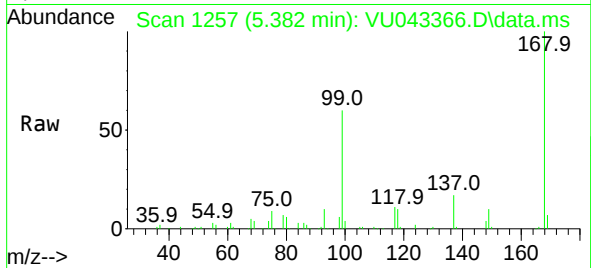




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043366.D
Acq: 28 Apr 2021 00:27

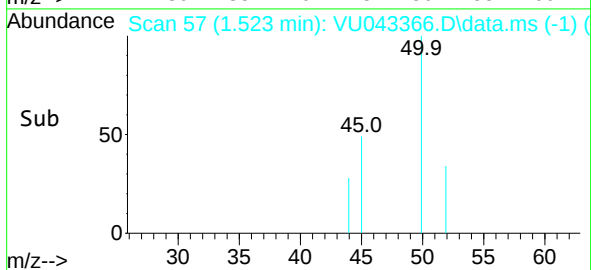
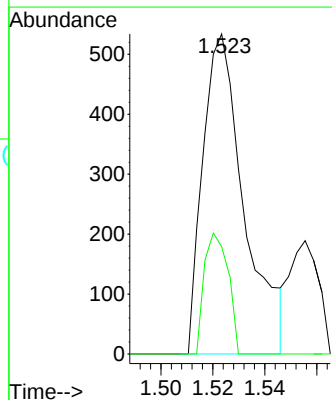
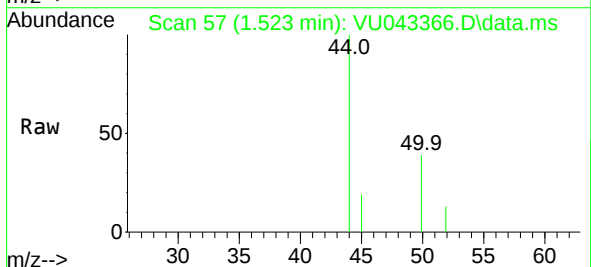
Instrument :
MSVOA_U
ClientSampleId :

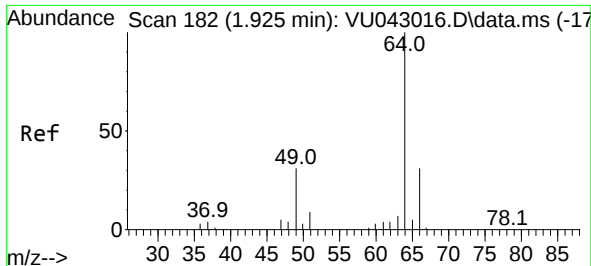
Tgt Ion:168 Resp: 102943
Ion Ratio Lower Upper
168 100
99 60.2 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043366.D
Acq: 28 Apr 2021 00:27

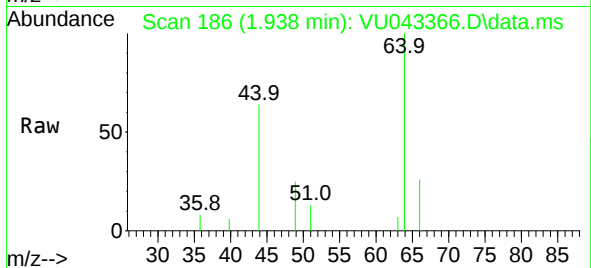
Tgt Ion: 50 Resp: 590
Ion Ratio Lower Upper
50 100
52 33.5 26.6 40.0



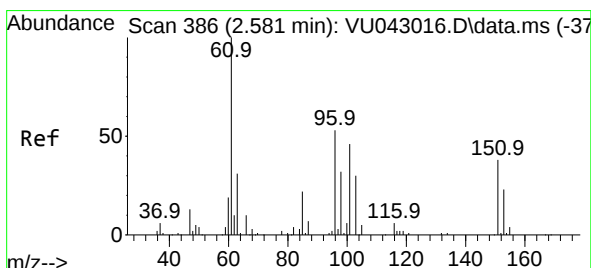
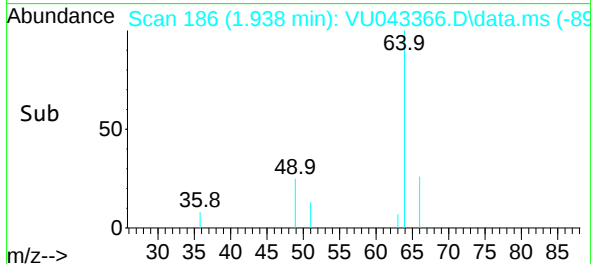
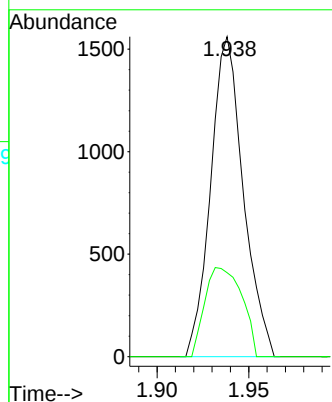


#6
Chloroethane
Concen: 2.38 ug/l
RT: 1.938 min Scan# 186
Delta R.T. 0.013 min
Lab File: VU043366.D
Acq: 28 Apr 2021 00:27

Instrument :
MSVOA_U
ClientSampled :

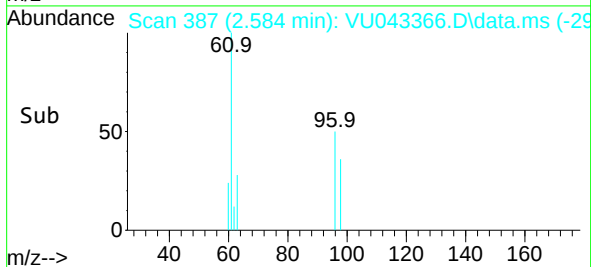
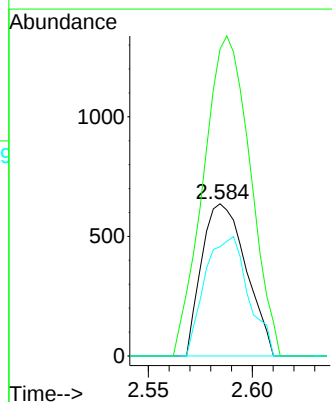
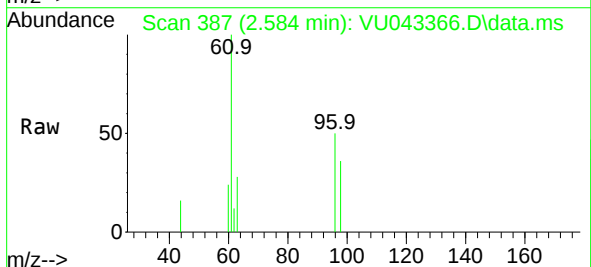


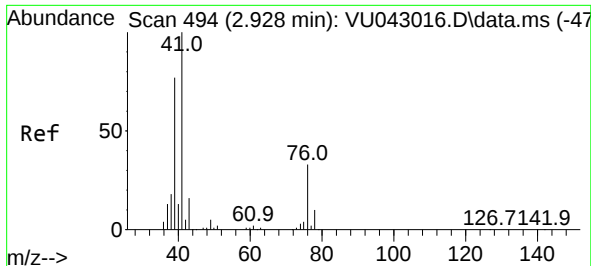
Tgt Ion: 64 Resp: 1928
Ion Ratio Lower Upper
64 100
66 26.3 26.4 39.6#



#12
1,1-Dichloroethene
Concen: 0.98 ug/l
RT: 2.584 min Scan# 387
Delta R.T. 0.003 min
Lab File: VU043366.D
Acq: 28 Apr 2021 00:27

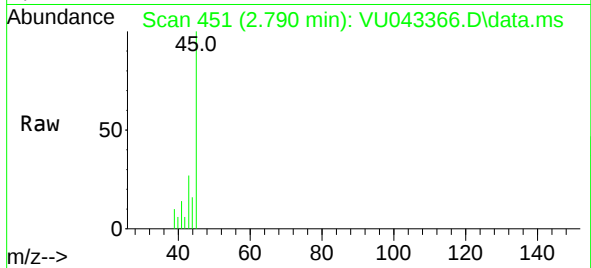
Tgt Ion: 96 Resp: 942
Ion Ratio Lower Upper
96 100
61 201.7 147.4 221.0
98 71.9 51.4 77.2



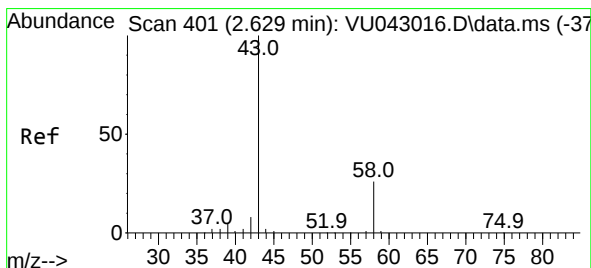
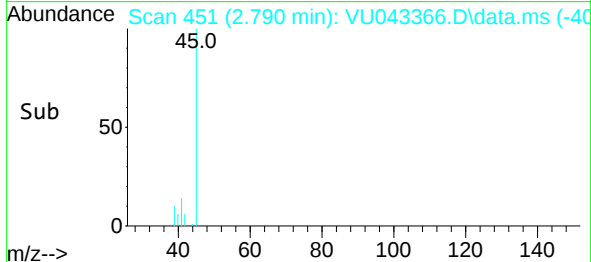
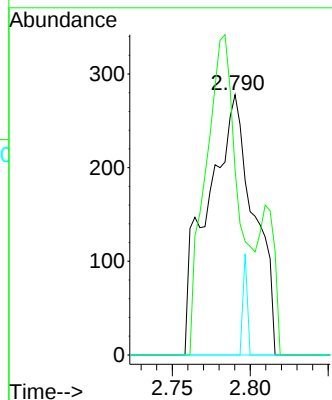


#14
 Allyl chloride
 Concen: 0.25 ug/l
 RT: 2.790 min Scan# 451
 Delta R.T. -0.138 min
 Lab File: VU043366.D
 Acq: 28 Apr 2021 00:27

Instrument :
 MSVOA_U
 ClientSampled :

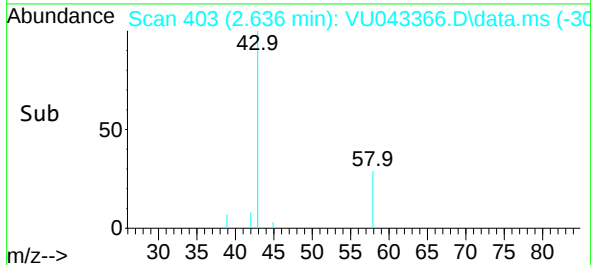
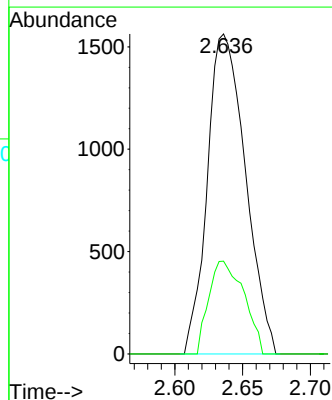
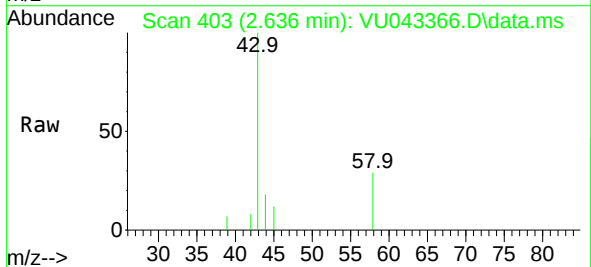


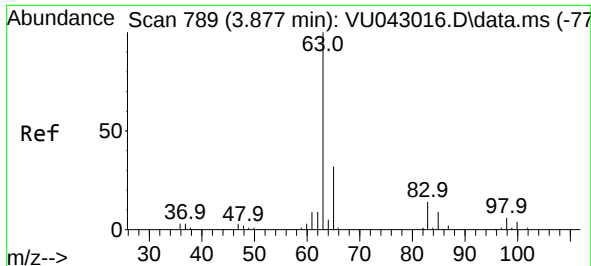
Tgt Ion: 41 Resp: 573
 Ion Ratio Lower Upper
 41 100
 39 88.8 54.9 82.3#
 76 3.7 22.5 33.7#



#16
 Acetone
 Concen: 2.70 ug/l
 RT: 2.636 min Scan# 403
 Delta R.T. 0.007 min
 Lab File: VU043366.D
 Acq: 28 Apr 2021 00:27

Tgt Ion: 43 Resp: 3056
 Ion Ratio Lower Upper
 43 100
 58 29.0 21.5 32.3

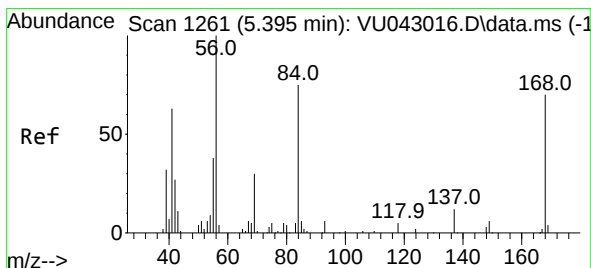
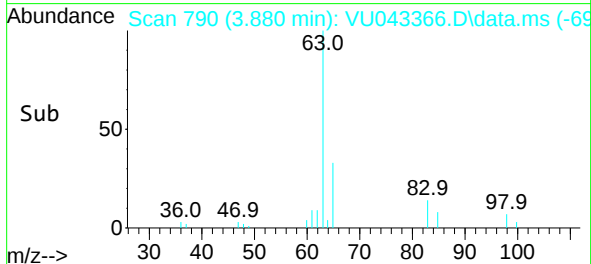
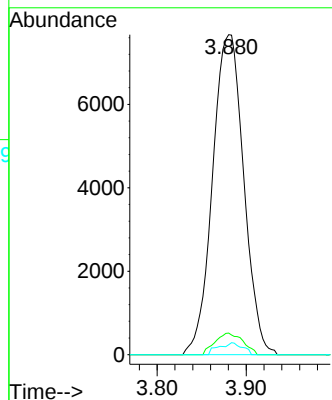
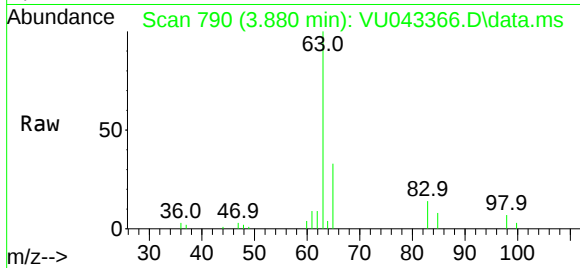




#24
1,1-Dichloroethane
Concen: 8.26 ug/l
RT: 3.880 min Scan# 790
Delta R.T. 0.003 min
Lab File: VU043366.D
Acq: 28 Apr 2021 00:27

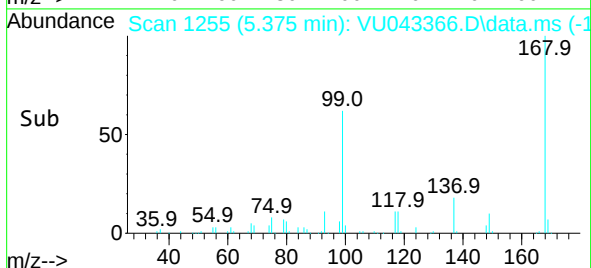
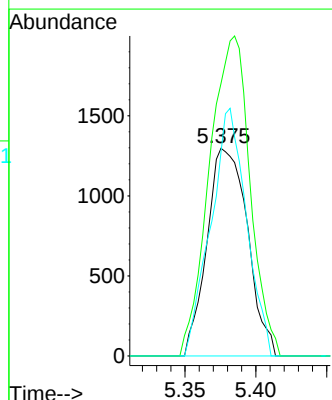
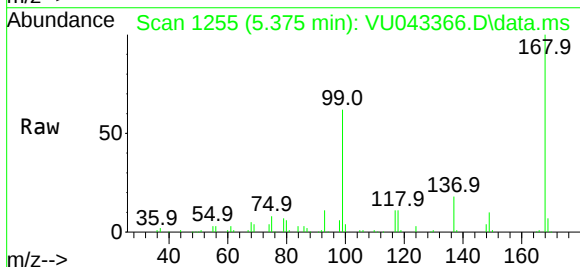
Instrument :
MSVOA_U
ClientSampled :

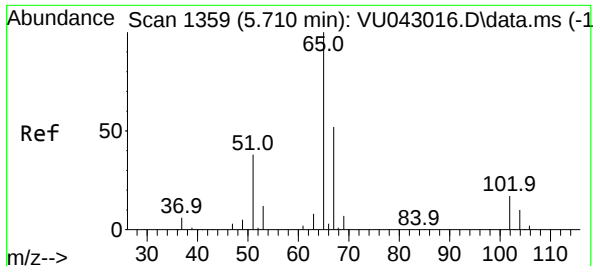
Tgt Ion: 63	Resp: 18676
Ion Ratio	Lower Upper
63 100	
98 6.7	3.1 9.3
100 3.1	2.1 6.2



#31
Cyclohexane
Concen: 1.21 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.020 min
Lab File: VU043366.D
Acq: 28 Apr 2021 00:27

Tgt Ion: 56	Resp: 2579
Ion Ratio	Lower Upper
56 100	
69 131.2	24.9 37.3#
84 98.1	63.7 95.5#

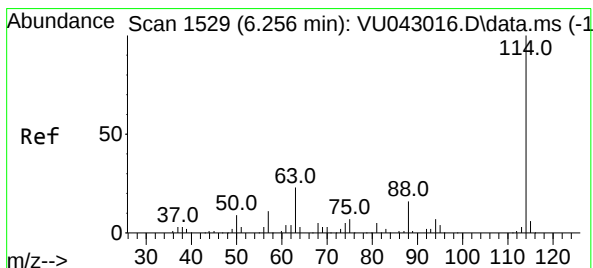
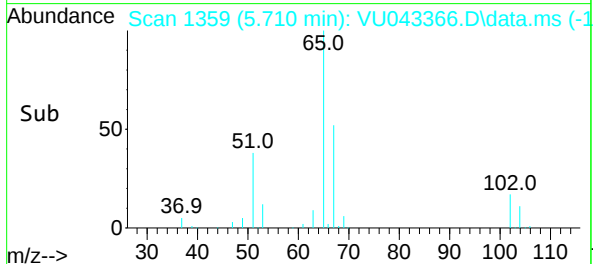
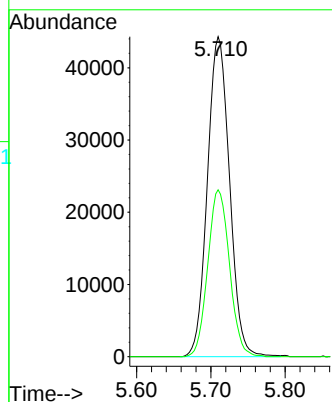
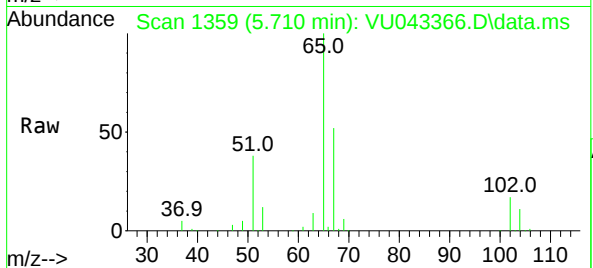




#33
1,2-Dichloroethane-d4
Concen: 53.02 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU043366.D
Acq: 28 Apr 2021 00:27

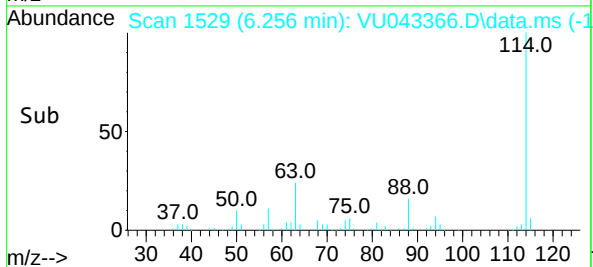
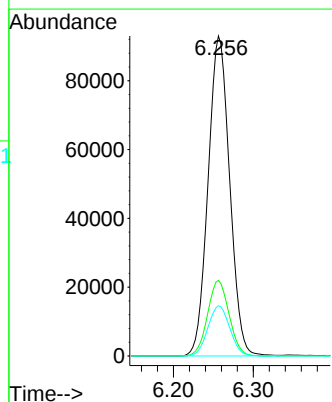
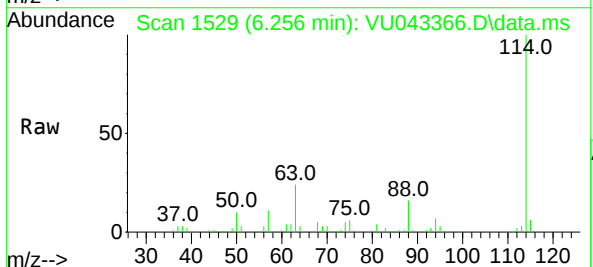
Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 65 Resp: 91762
Ion Ratio Lower Upper
65 100
67 51.2 0.0 99.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU043366.D
Acq: 28 Apr 2021 00:27

Tgt Ion: 114 Resp: 174532
Ion Ratio Lower Upper
114 100
63 23.6 0.0 44.2
88 15.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.20 ug/l

RT: 5.298 min Scan# 1231

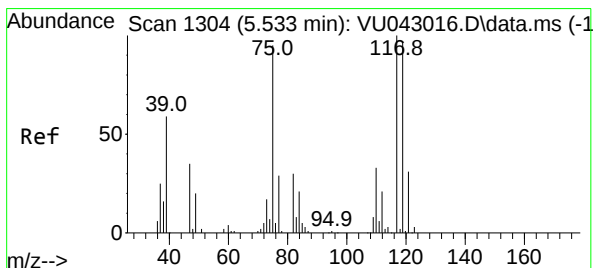
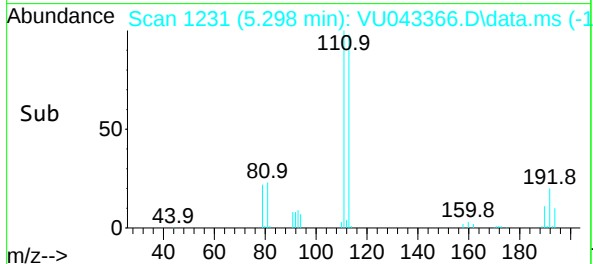
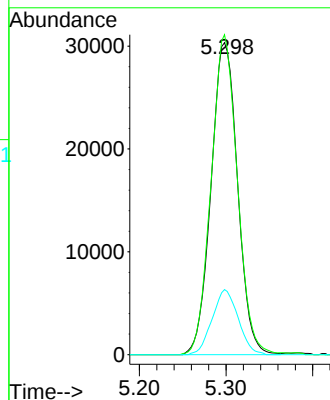
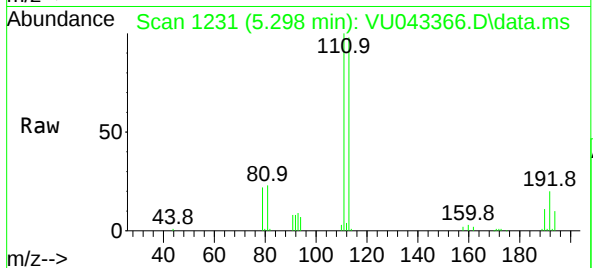
Delta R.T. 0.000 min

Lab File: VU043366.D

Acq: 28 Apr 2021 00:27

Tgt Ion:	113	Resp:	64526
Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.8	122.8
192	20.5	17.2	25.8

Instrument :
MSVOA_U
ClientSampled :



#36

1,1-Dichloropropene

Concen: 4.73 ug/l

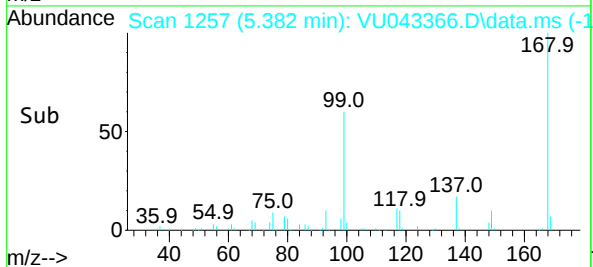
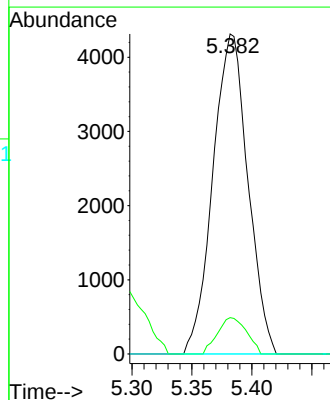
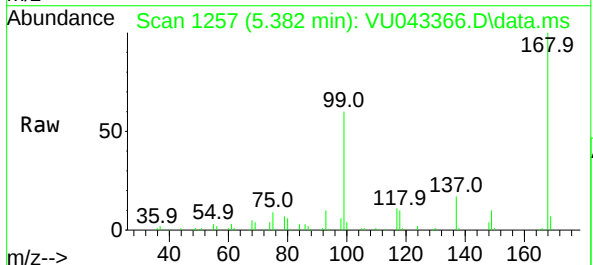
RT: 5.382 min Scan# 1257

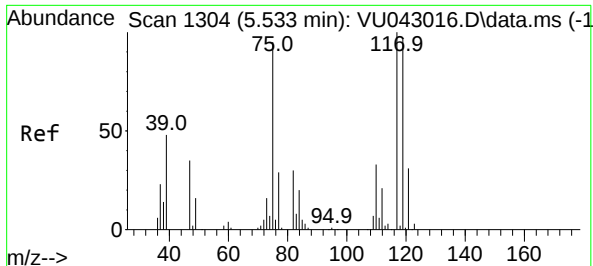
Delta R.T. -0.151 min

Lab File: VU043366.D

Acq: 28 Apr 2021 00:27

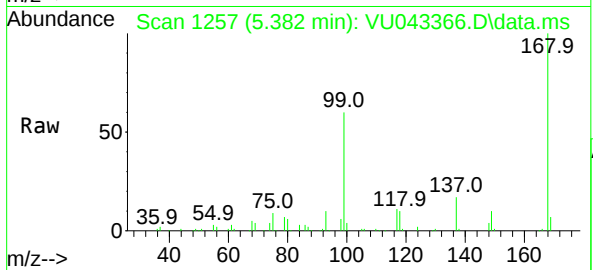
Tgt Ion:	75	Resp:	8751
Ion	Ratio	Lower	Upper
75	100		
110	9.4	16.8	50.3#
77	0.0	24.8	37.2#



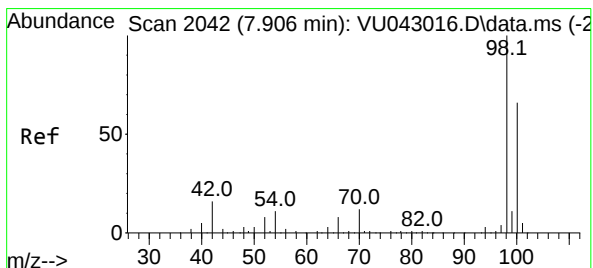
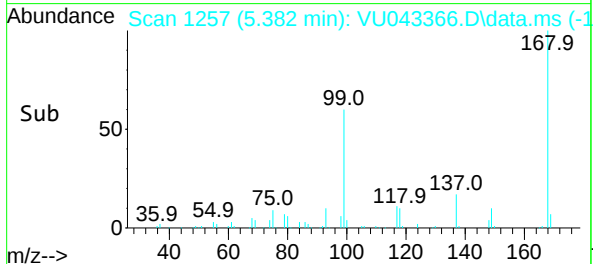
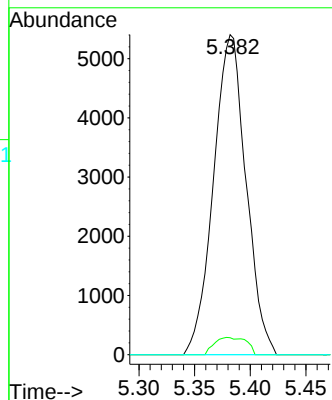


#38
Carbon Tetrachloride
Concen: 5.54 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043366.D
Acq: 28 Apr 2021 00:27

Instrument :
MSVOA_U
ClientSampleId :

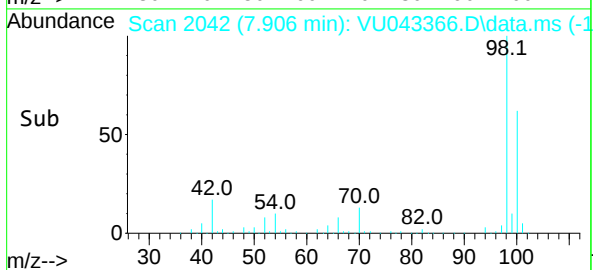
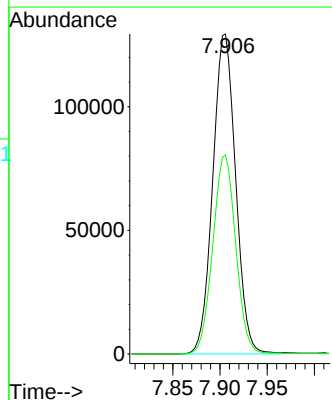
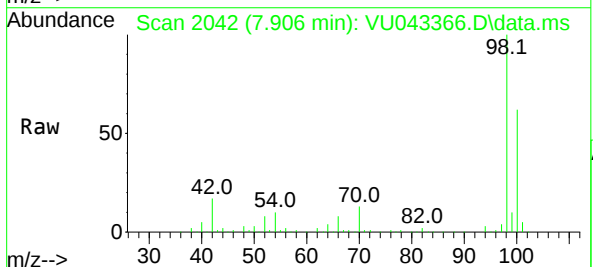


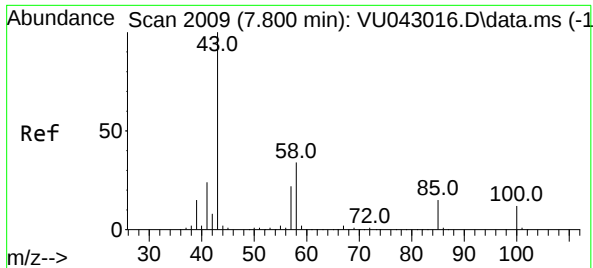
Tgt Ion:117 Resp: 10995
Ion Ratio Lower Upper
117 100
119 5.3 75.5 113.3#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 46.95 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043366.D
Acq: 28 Apr 2021 00:27

Tgt Ion: 98 Resp: 217872
Ion Ratio Lower Upper
98 100
100 62.5 50.2 75.2

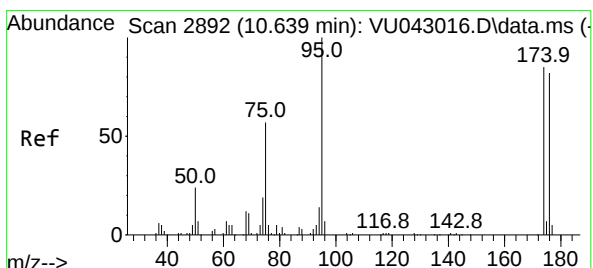
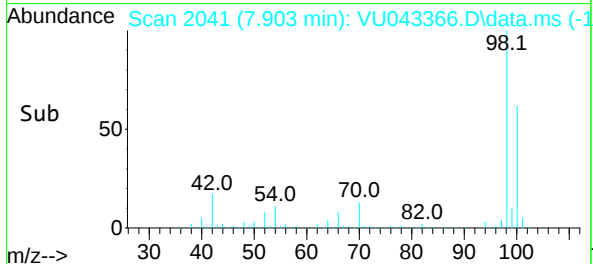
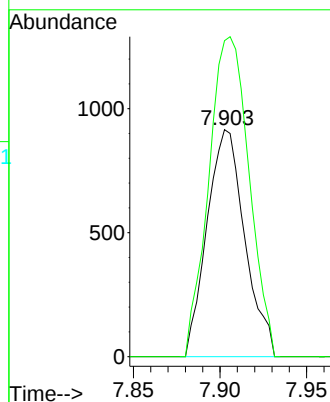
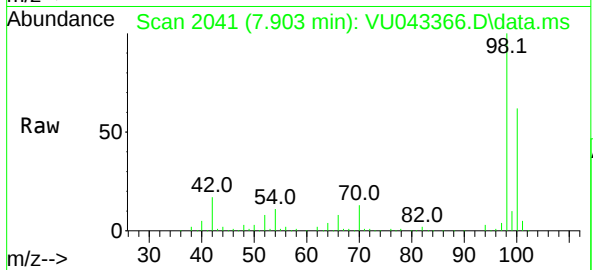




#51
4-Methyl-2-Pentanone
Concen: 0.41 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.103 min
Lab File: VU043366.D
Acq: 28 Apr 2021 00:27

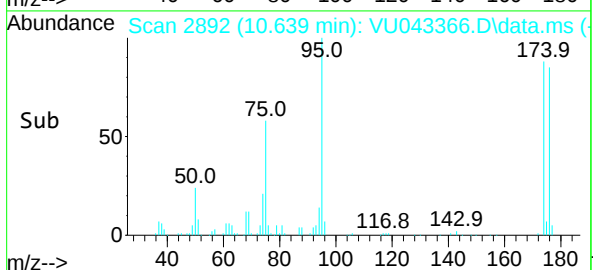
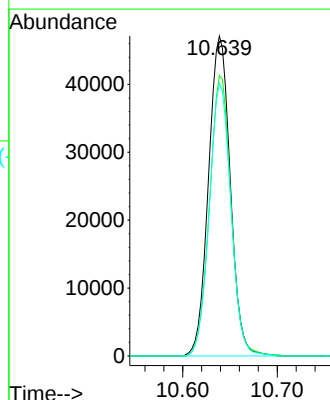
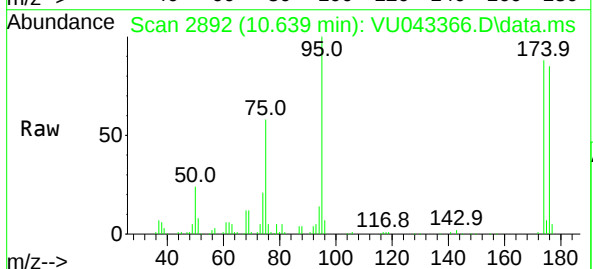
Instrument :
MSVOA_U
ClientSampled :

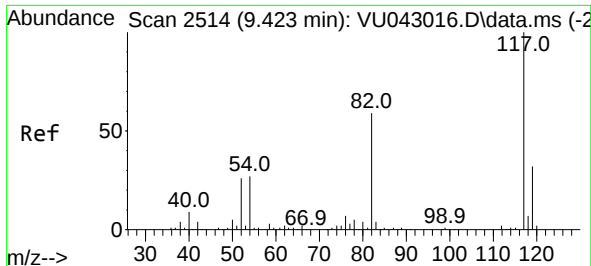
Tgt Ion: 43 Resp: 1385
Ion Ratio Lower Upper
43 100
58 150.8 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 40.60 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043366.D
Acq: 28 Apr 2021 00:27

Tgt Ion: 95 Resp: 75442
Ion Ratio Lower Upper
95 100
174 86.8 0.0 172.2
176 84.4 0.0 168.8

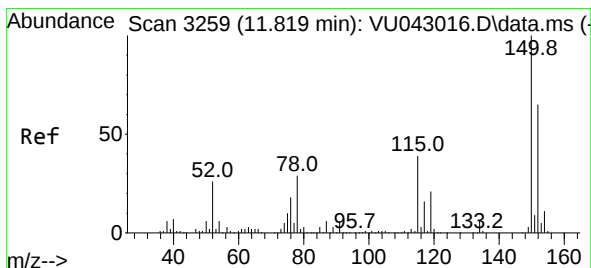
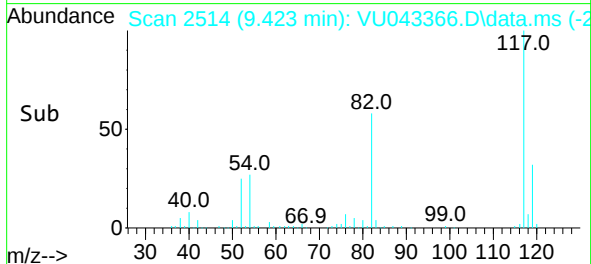
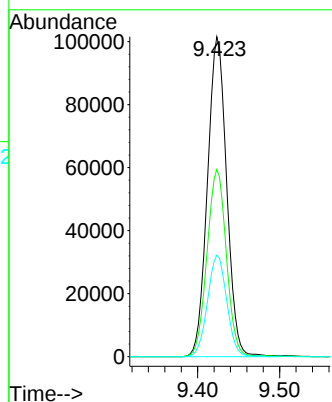
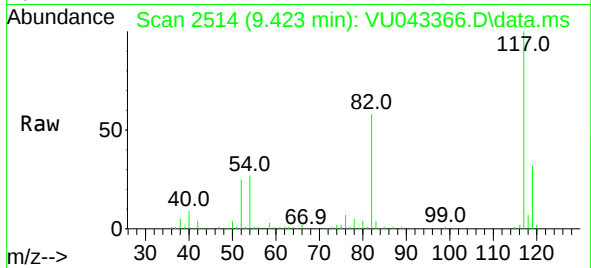




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043366.D
Acq: 28 Apr 2021 00:27

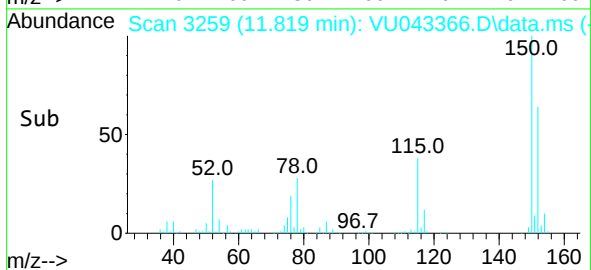
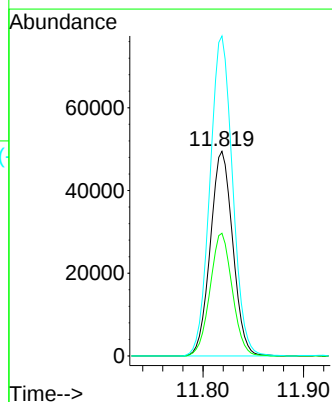
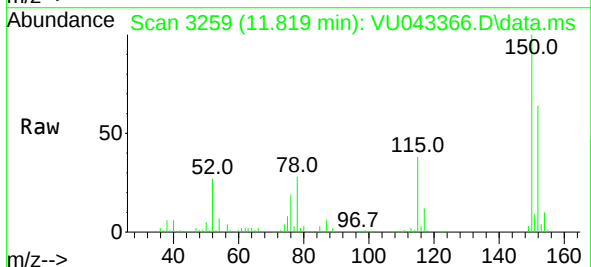
Instrument :
MSVOA_U
ClientSampleId :

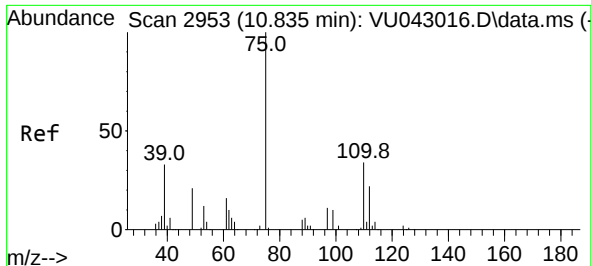
Tgt Ion:117 Resp: 165111
Ion Ratio Lower Upper
117 100
82 58.5 45.8 68.6
119 31.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043366.D
Acq: 28 Apr 2021 00:27

Tgt Ion:152 Resp: 76901
Ion Ratio Lower Upper
152 100
115 59.2 41.5 124.6
150 157.5 0.0 342.4

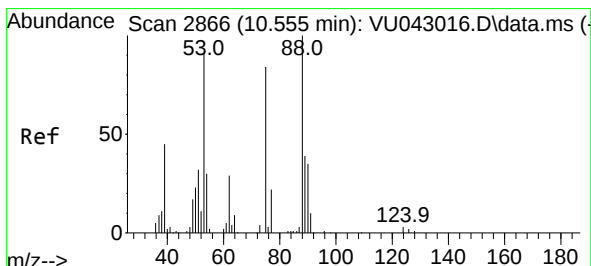
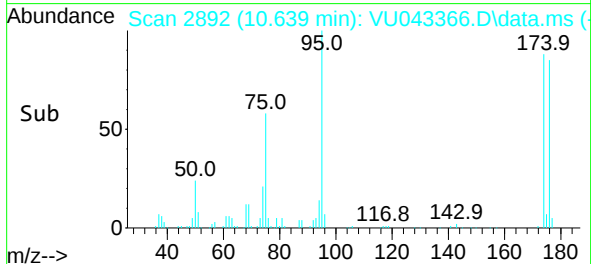
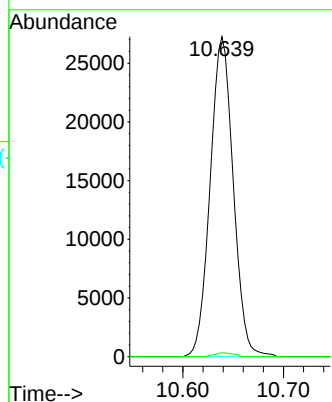
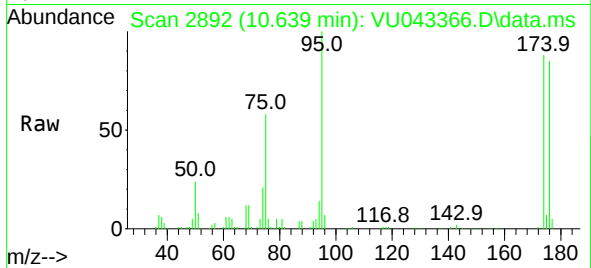




#76
1,2,3-Trichloropropane
Concen: 19.35 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU043366.D
Acq: 28 Apr 2021 00:27

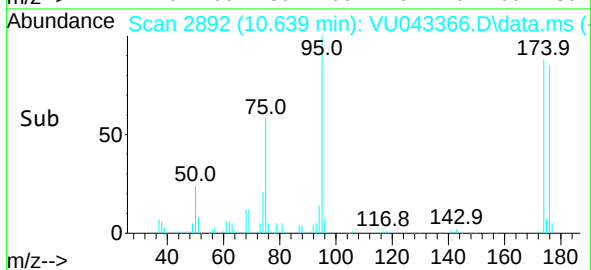
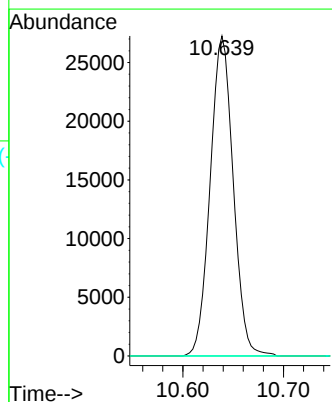
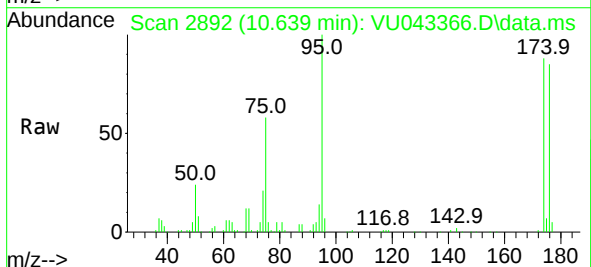
Instrument :
MSVOA_U
ClientSampled :

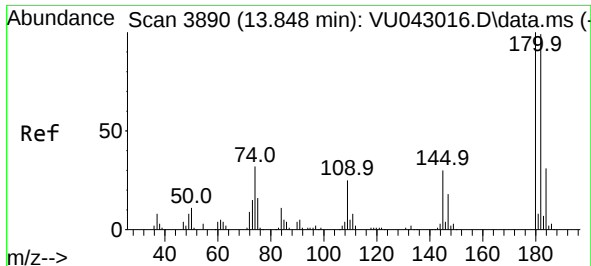
Tgt Ion: 75 Resp: 43473
Ion Ratio Lower Upper
75 100
77 1.0 20.2 60.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.85 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043366.D
Acq: 28 Apr 2021 00:27

Tgt Ion: 75 Resp: 43473
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#

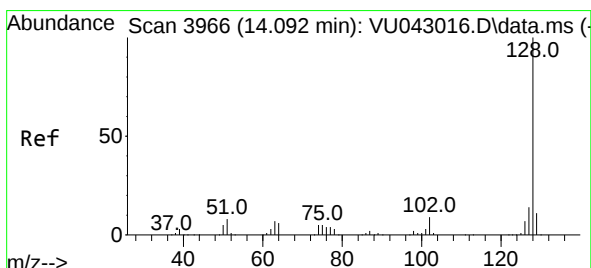
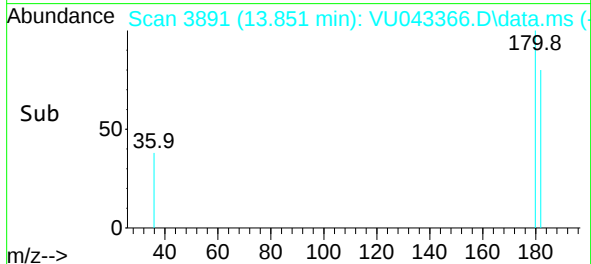
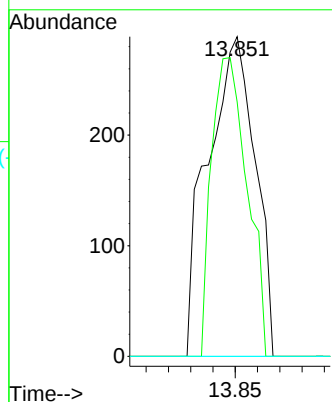
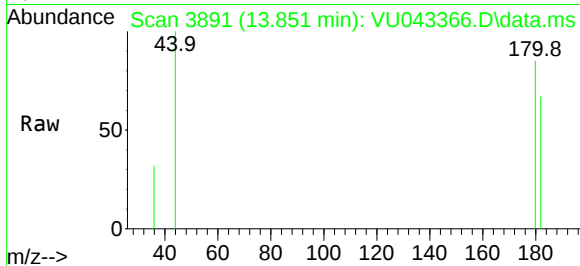




#93
1,2,4-Trichlorobenzene
Concen: 1.74 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.003 min
Lab File: VU043366.D
Acq: 28 Apr 2021 00:27

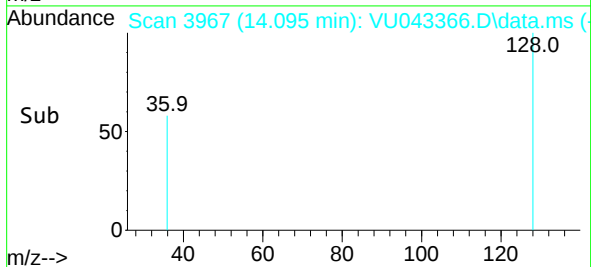
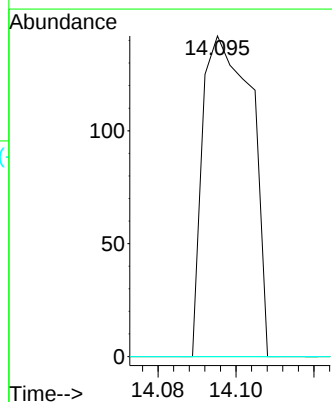
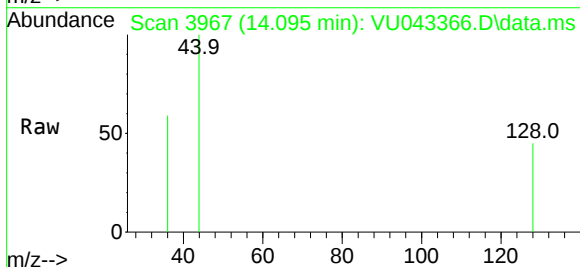
Instrument :
MSVOA_U
ClientSampled :

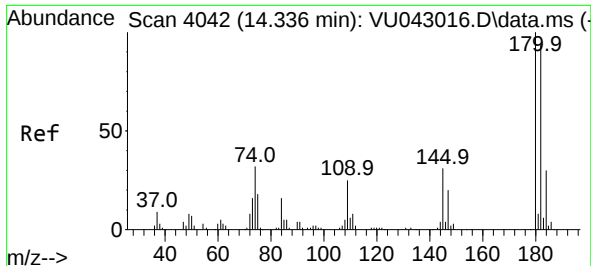
Tgt Ion:180 Resp: 427
Ion Ratio Lower Upper
180 100
182 70.0 46.9 140.8
145 0.0 14.4 43.4#



#95
Naphthalene
Concen: 2.76 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU043366.D
Acq: 28 Apr 2021 00:27

Tgt Ion:128 Resp: 123
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.48 ug/l
 RT: 14.333 min Scan# 4041
 Delta R.T. -0.003 min
 Lab File: VU043366.D
 Acq: 28 Apr 2021 00:27

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:180 Resp: 43
 Ion Ratio Lower Upper
 180 100
 182 44.2 48.0 144.0#
 145 0.0 15.5 46.5#

