

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041921\
 Data File : VU043209.D
 Acq On : 19 Apr 2021 21:02
 Operator : SY/MD
 Sample : PB135814ZHE#12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 20 03:00:22 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)

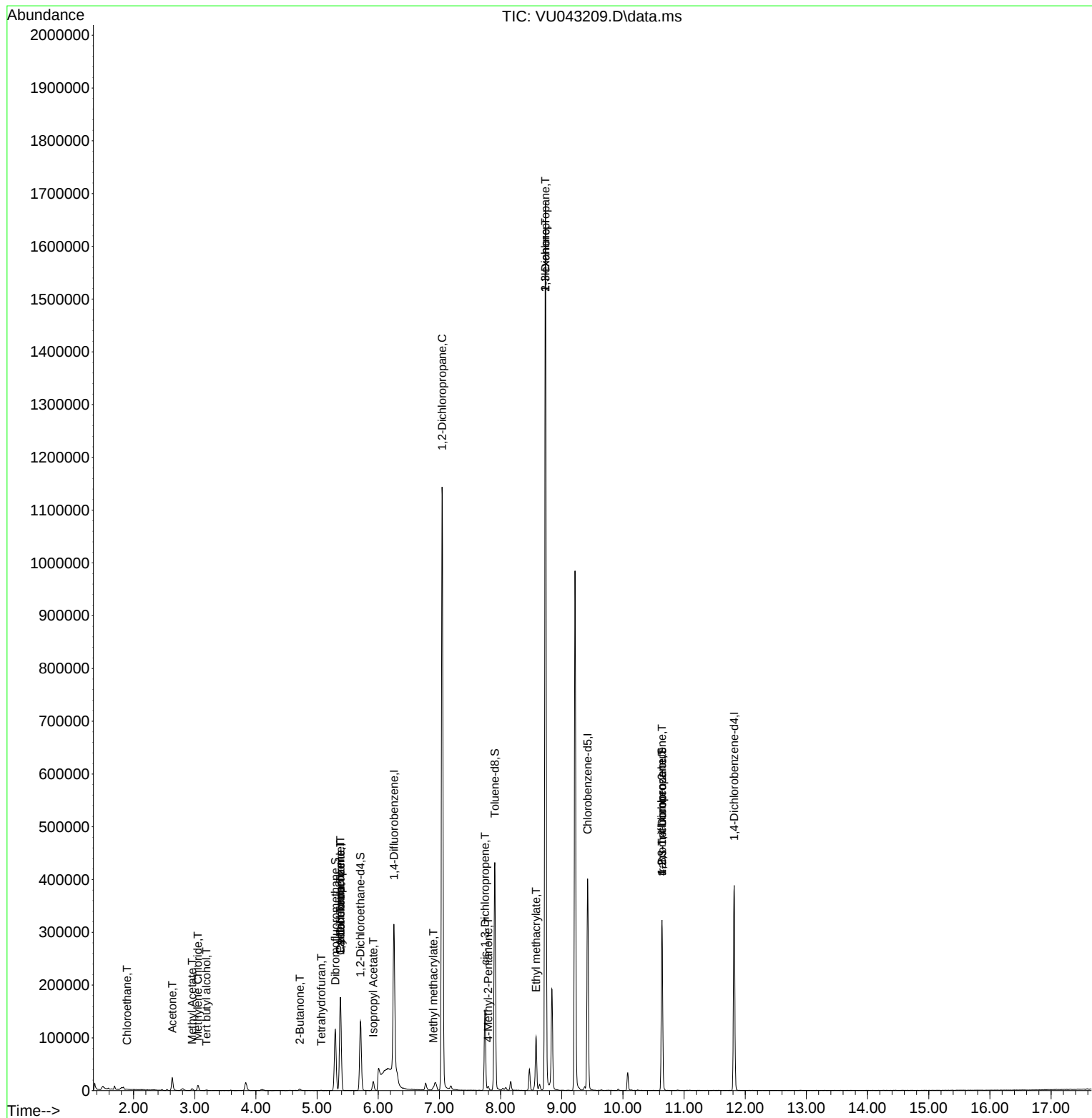
Internal Standards						
1) Pentafluorobenzene	5.382	168	118527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	205706	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	202522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	94900	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	102254	51.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.64%	
35) Dibromofluoromethane	5.298	113	70696	45.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.48%	
50) Toluene-d8	7.906	98	259606	47.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.92%	
62) 4-Bromofluorobenzene	10.639	95	94435	43.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.24%	
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	345	Below Cal	#	41
6) Chloroethane	1.893	64	425	0.42	ug/l #	42
11) Tert butyl alcohol	3.192	59	1097	2.14	ug/l #	94
16) Acetone	2.633	43	29353	24.76	ug/l	98
18) Methyl Acetate	2.957	43	5631	2.26	ug/l #	85
20) Methylene Chloride	3.051	84	4377	3.09	ug/l	93
25) 2-Butanone	4.716	43	4888	2.70	ug/l	98
29) Tetrahydrofuran	5.070	42	466	0.41	ug/l #	40
31) Cyclohexane	5.382	56	3171	1.29	ug/l #	25
36) 1,1-Dichloropropene	5.378	75	9815	4.50	ug/l #	50
38) Carbon Tetrachloride	5.378	117	12537	5.36	ug/l #	16
43) Isopropyl Acetate	5.919	43	18973	3.57	ug/l	97
45) 1,2-Dichloropropane	7.047	63	996	0.57	ug/l #	43
48) Methyl methacrylate	6.899	41	6982	2.61	ug/l #	17
51) 4-Methyl-2-Pentanone	7.796	43	5521	1.40	ug/l	90
54) cis-1,3-Dichloropropene	7.745	75	22137	8.09	ug/l #	71
56) Ethyl methacrylate	8.581	69	790	0.29	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	14999	5.24	ug/l #	43
59) 2-Hexanone	8.732	43	263378	81.24	ug/l #	53
76) 1,2,3-Trichloropropane	10.639	75	52877	19.07	ug/l #	36
81) trans-1,4-Dichloro-2-b...	10.639	75	52877	56.03	ug/l #	7

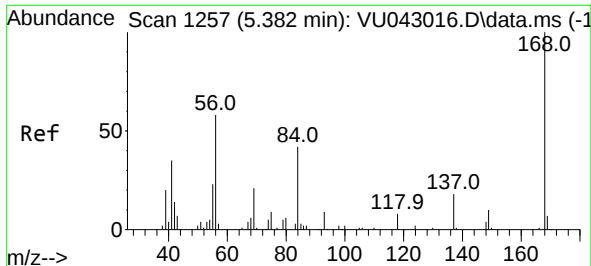
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Apr 12 13:17:29 2021
Response via : Initial Calibration

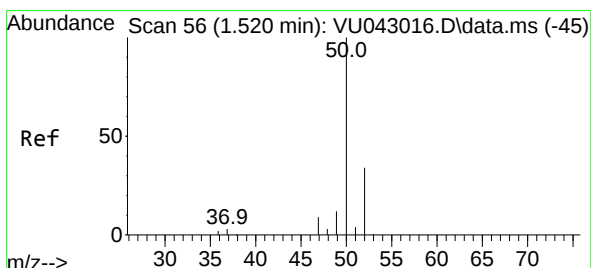
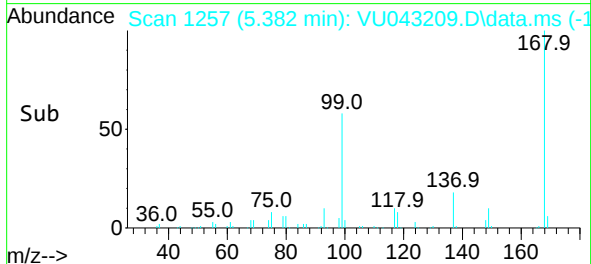
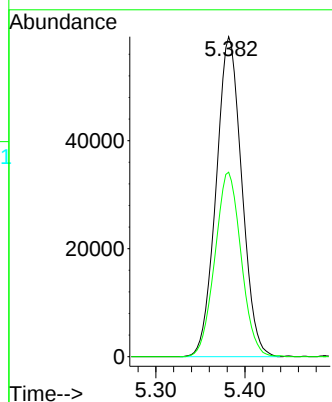
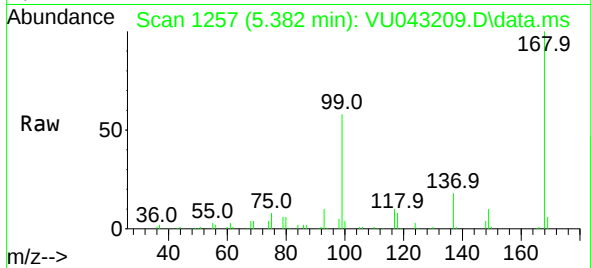




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02

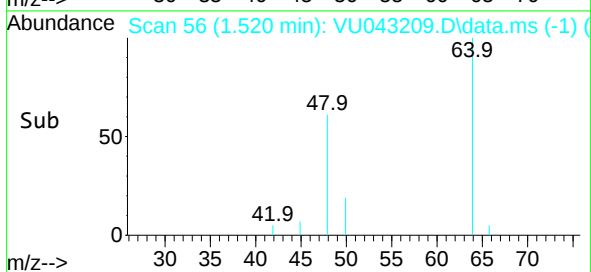
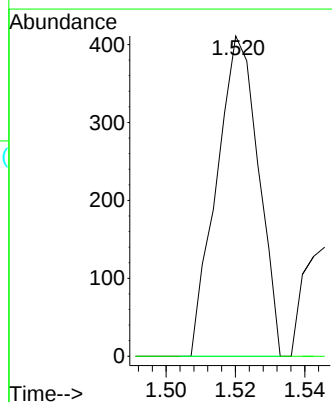
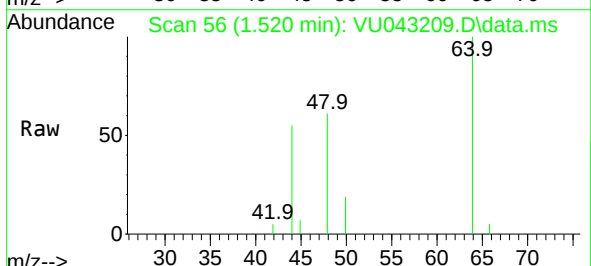
Instrument :
MSVOA_U
ClientSampled :

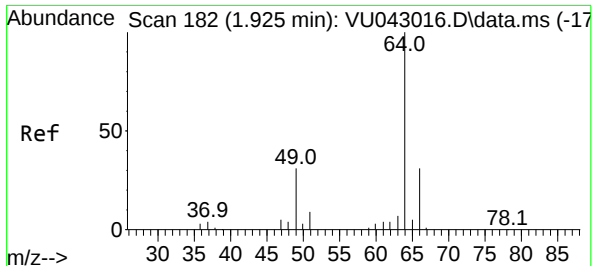
Tgt Ion:168 Resp: 118527
Ion Ratio Lower Upper
168 100
99 57.7 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02

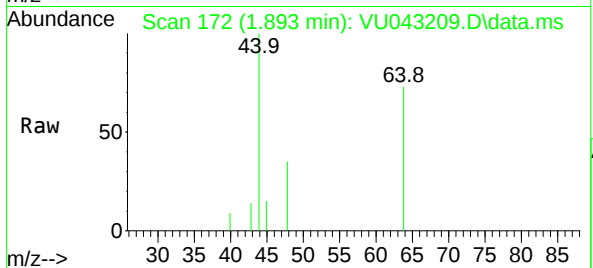
Tgt Ion: 50 Resp: 345
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#



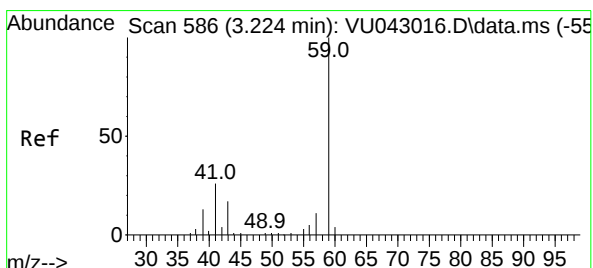
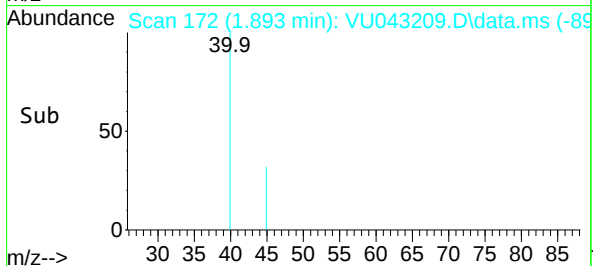
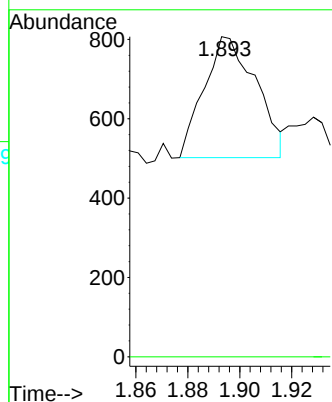


#6
Chloroethane
Concen: 0.42 ug/l
RT: 1.893 min Scan# 172
Delta R.T. -0.032 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02

Instrument :
MSVOA_U
ClientSampled :

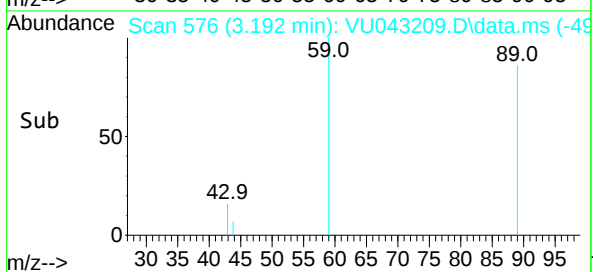
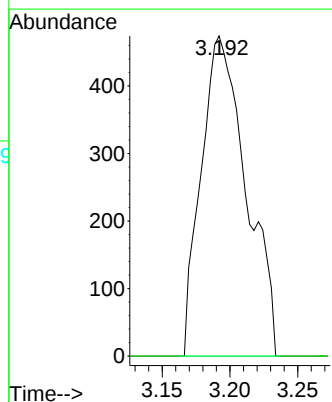
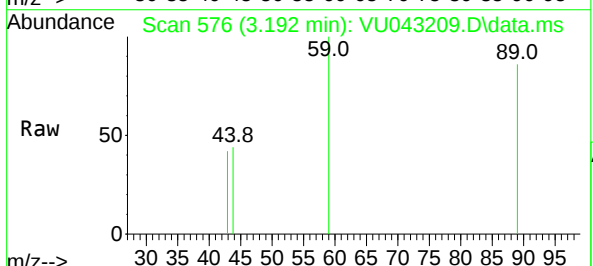


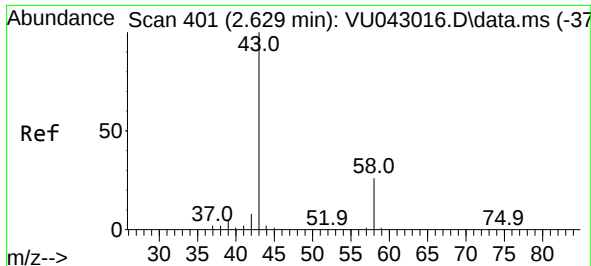
Tgt Ion: 64 Resp: 425
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 2.14 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.032 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02

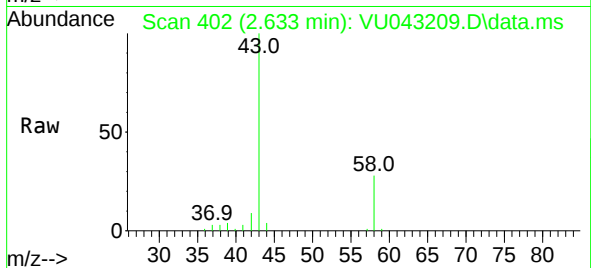
Tgt Ion: 59 Resp: 1097
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#



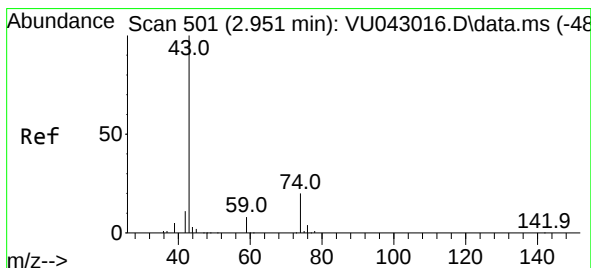
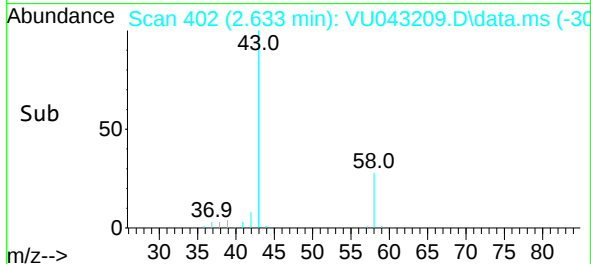
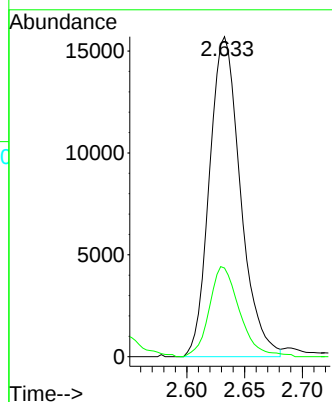


#16
Acetone
Concen: 24.76 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02

Instrument :
MSVOA_U
ClientSampled :

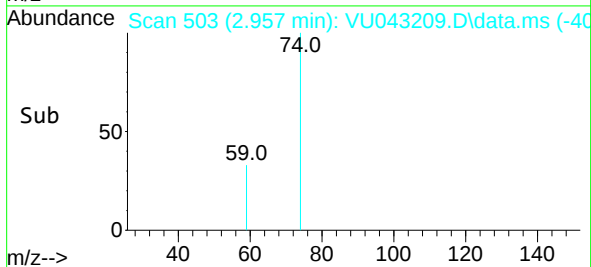
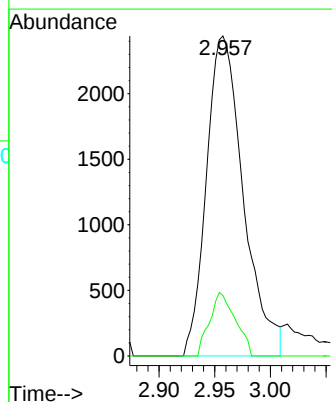
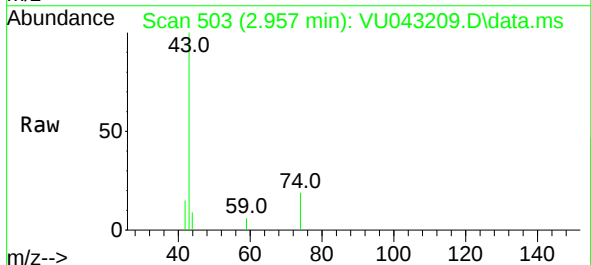


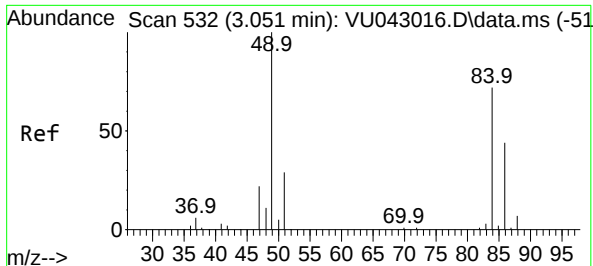
Tgt Ion: 43 Resp: 29353
Ion Ratio Lower Upper
43 100
58 27.7 21.5 32.3



#18
Methyl Acetate
Concen: 2.26 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.006 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02

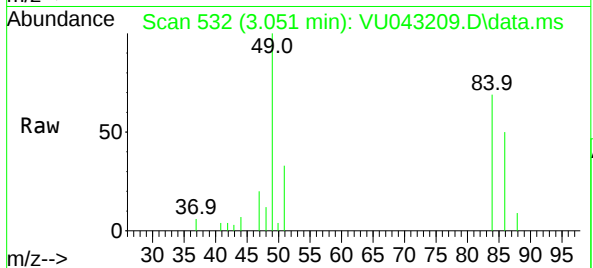
Tgt Ion: 43 Resp: 5631
Ion Ratio Lower Upper
43 100
74 13.8 16.6 25.0#





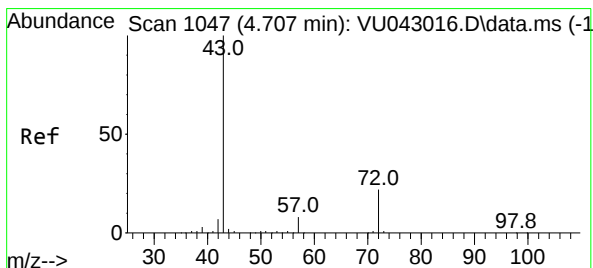
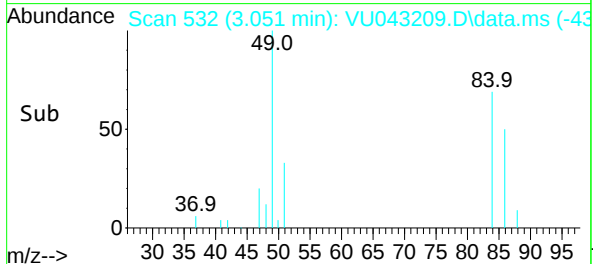
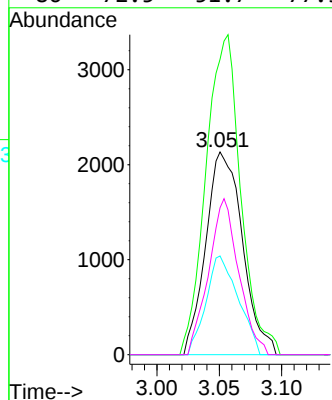
#20
Methylene Chloride
Concen: 3.09 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02

Instrument :
MSVOA_U
ClientSampleId :

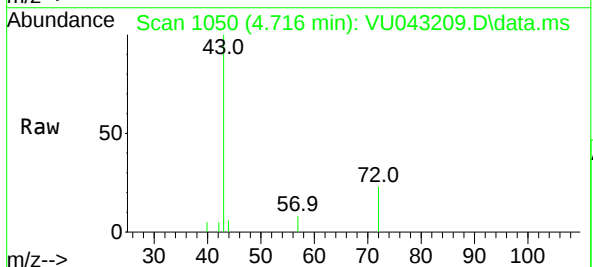


Tgt Ion: 84 Resp: 4377

Ion	Ratio	Lower	Upper
84	100		
49	145.7	112.6	169.0
51	48.7	33.7	50.5
86	72.5	51.7	77.5

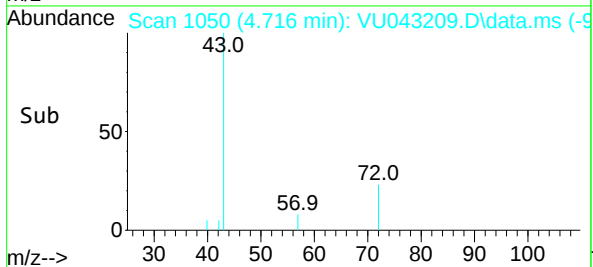
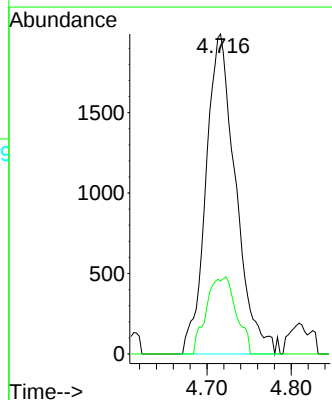


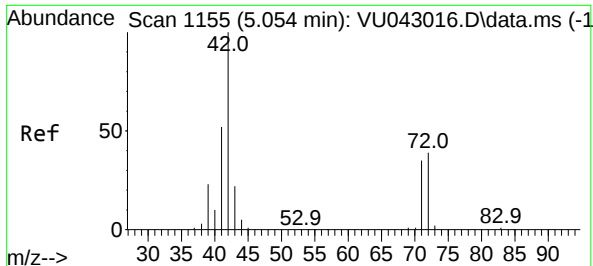
#25
2-Butanone
Concen: 2.70 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.009 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02



Tgt Ion: 43 Resp: 4888

Ion	Ratio	Lower	Upper
43	100		
72	22.8	17.4	26.0





#29

Tetrahydrofuran

Concen: 0.41 ug/l

RT: 5.070 min Scan# 1160

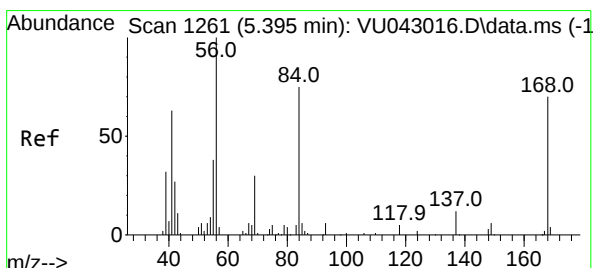
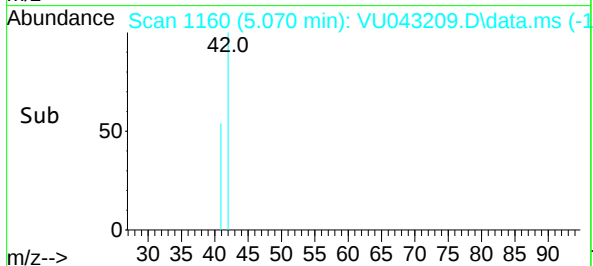
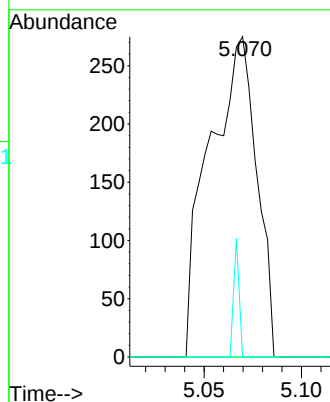
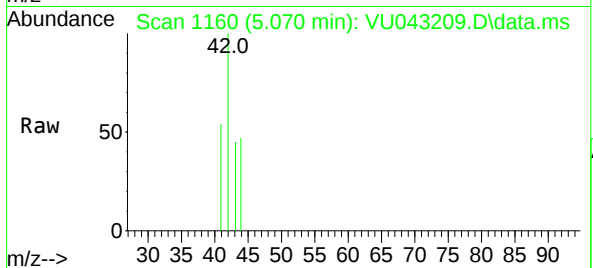
Delta R.T. 0.016 min

Lab File: VU043209.D

Acq: 19 Apr 2021 21:02

Tgt Ion:	42	Resp:	466
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.5	47.3#
71	4.3	29.5	44.3#

Instrument :
MSVOA_U
ClientSampled :



#31

Cyclohexane

Concen: 1.29 ug/l

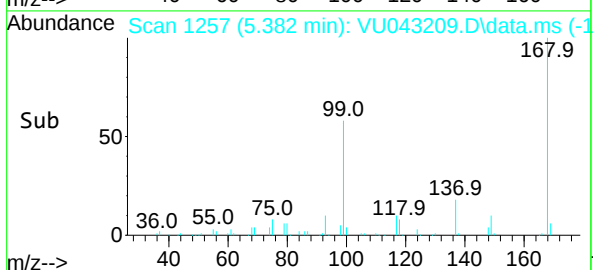
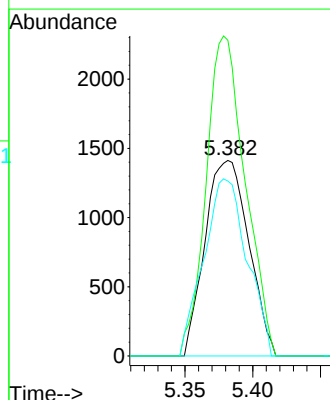
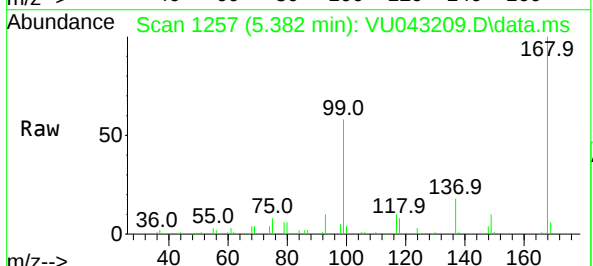
RT: 5.382 min Scan# 1257

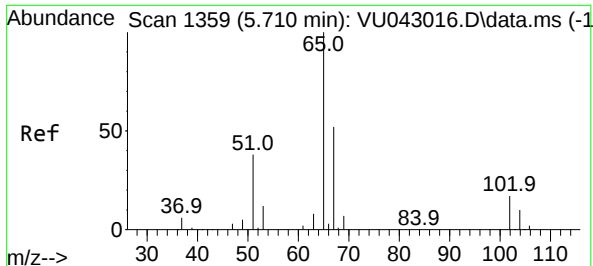
Delta R.T. -0.013 min

Lab File: VU043209.D

Acq: 19 Apr 2021 21:02

Tgt Ion:	56	Resp:	3171
Ion	Ratio	Lower	Upper
56	100		
69	161.4	24.9	37.3#
84	89.5	63.7	95.5





#33

1,2-Dichloroethane-d4

Concen: 51.32 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU043209.D

Acq: 19 Apr 2021 21:02

Tgt Ion: 65 Resp: 102254

Ion Ratio Lower Upper

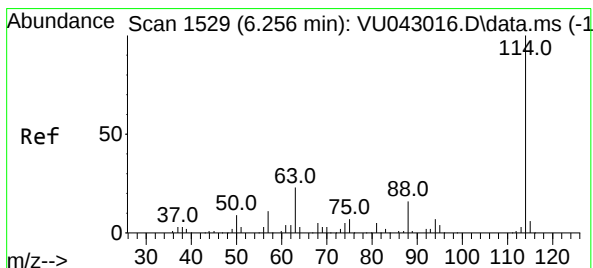
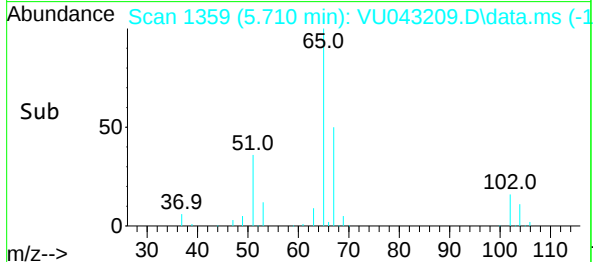
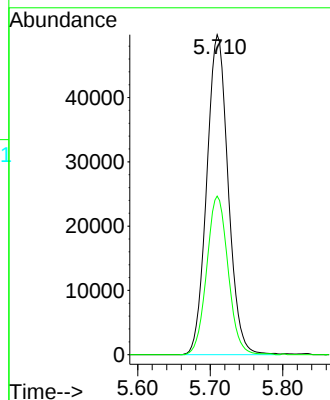
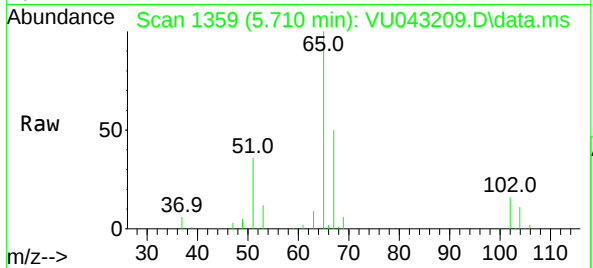
65 100

67 49.3 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

Lab File: VU043209.D

Acq: 19 Apr 2021 21:02

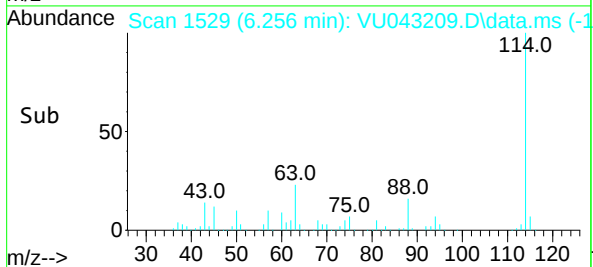
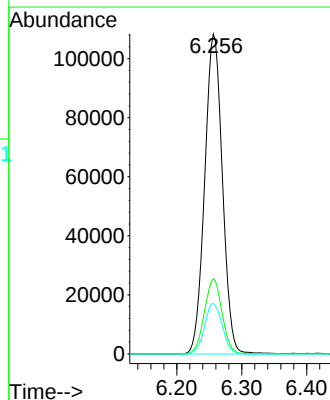
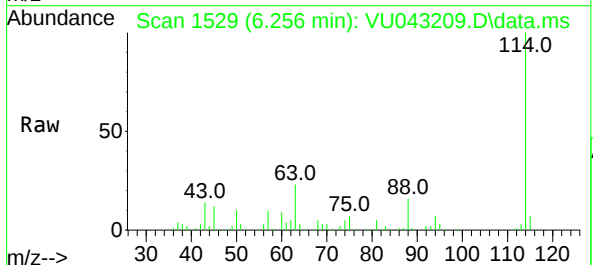
Tgt Ion: 114 Resp: 205706

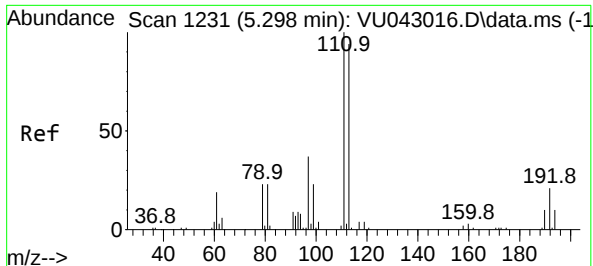
Ion Ratio Lower Upper

114 100

63 23.5 0.0 44.2

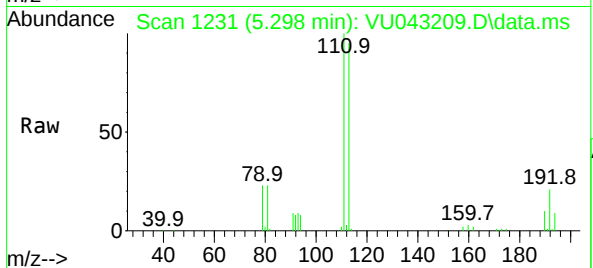
88 15.7 0.0 33.4



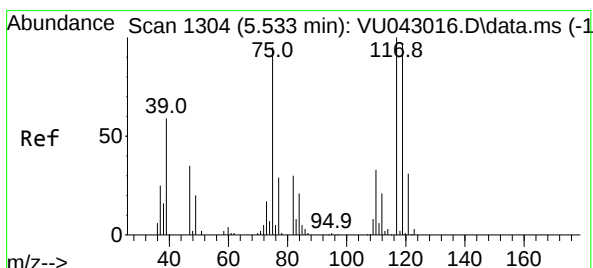
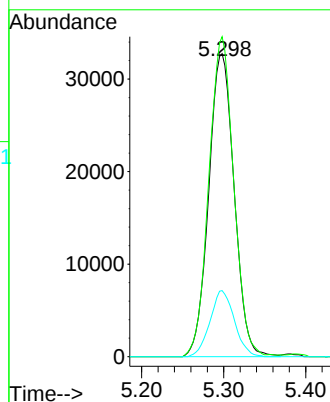
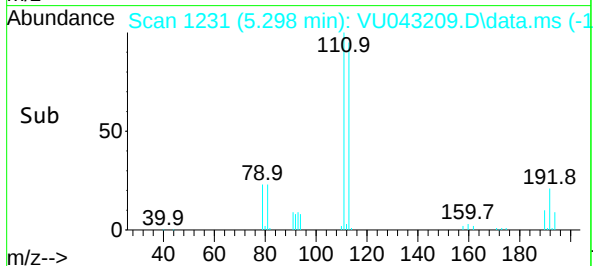


#35
Dibromofluoromethane
Concen: 45.74 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02

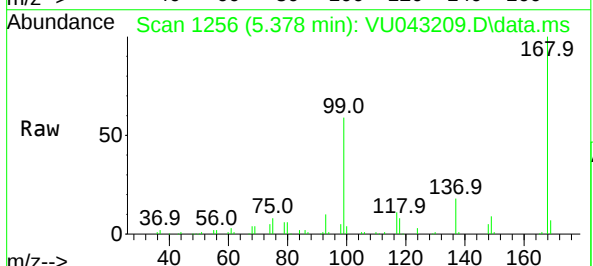
Instrument :
MSVOA_U
ClientSampleId :



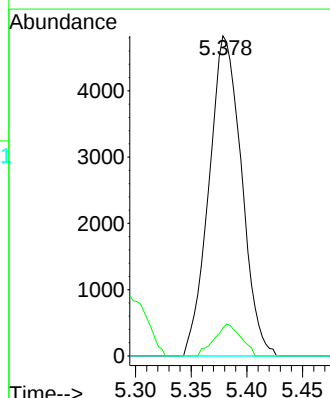
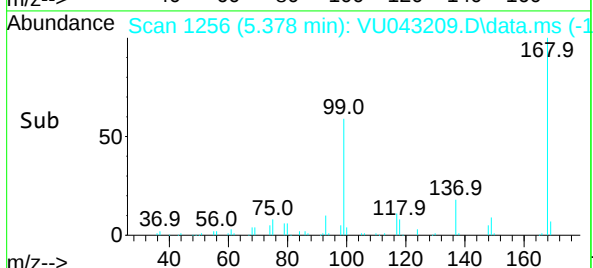
Tgt Ion:113 Resp: 70696
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.8
192 20.9 17.2 25.8

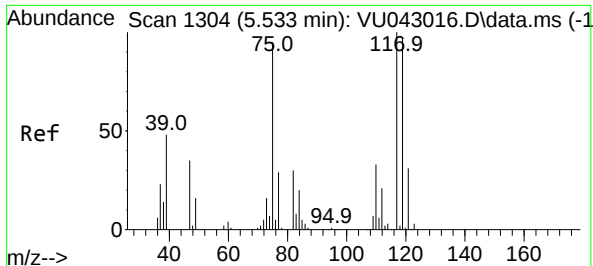


#36
1,1-Dichloropropene
Concen: 4.50 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.155 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02



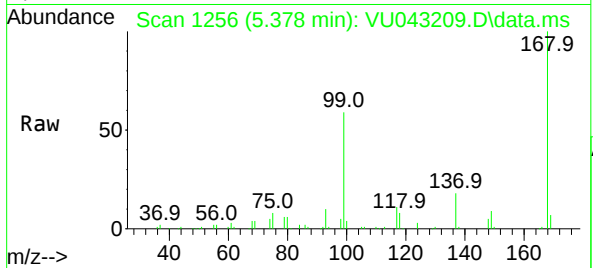
Tgt Ion: 75 Resp: 9815
Ion Ratio Lower Upper
75 100
110 8.1 16.8 50.3#
77 0.0 24.8 37.2#



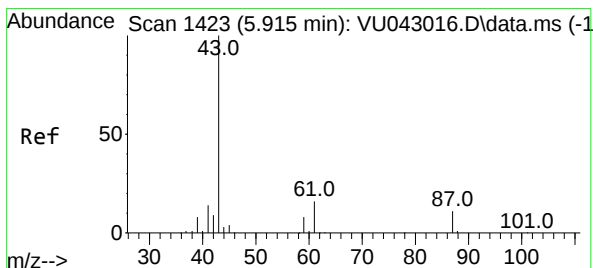
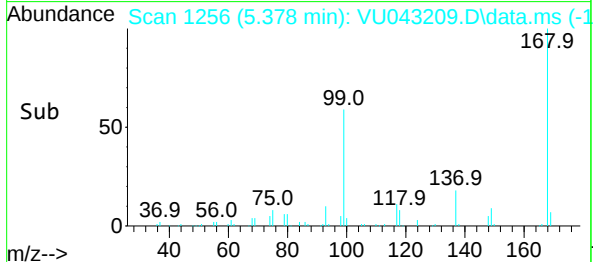
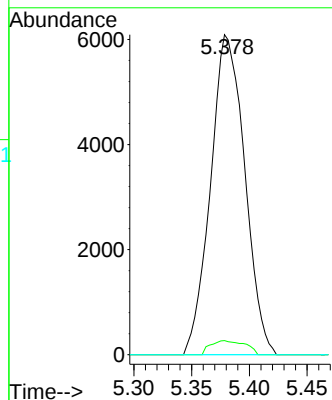


#38
Carbon Tetrachloride
Concen: 5.36 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.155 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02

Instrument :
MSVOA_U
ClientSampleId :

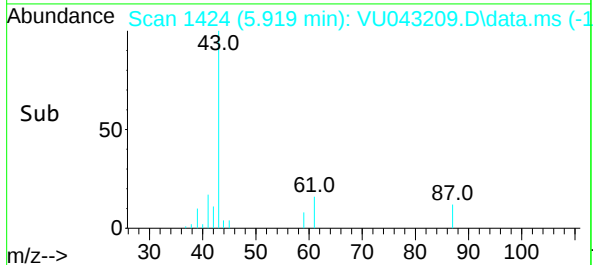
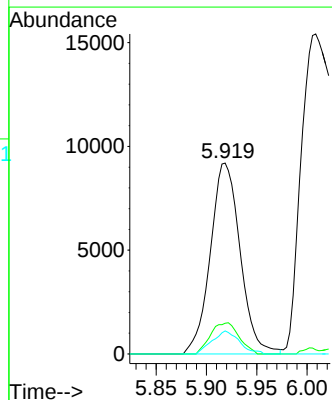
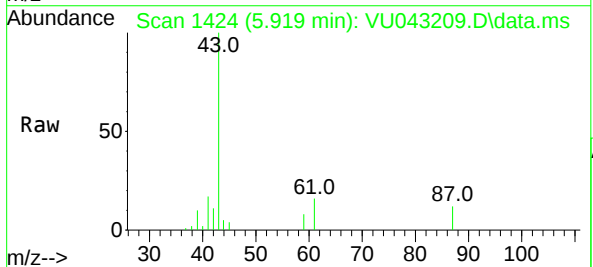


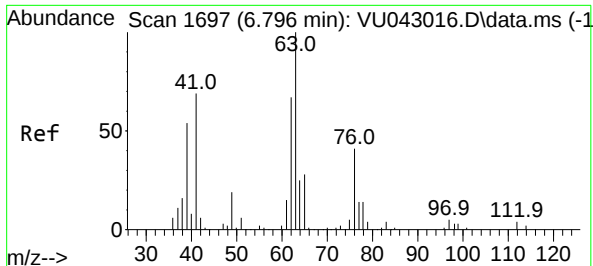
Tgt Ion: 117 Resp: 12537
Ion Ratio Lower Upper
117 100
119 4.4 75.5 113.3#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 3.57 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. 0.004 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02

Tgt Ion: 43 Resp: 18973
Ion Ratio Lower Upper
43 100
61 15.6 14.4 21.6
87 11.0 8.8 13.2

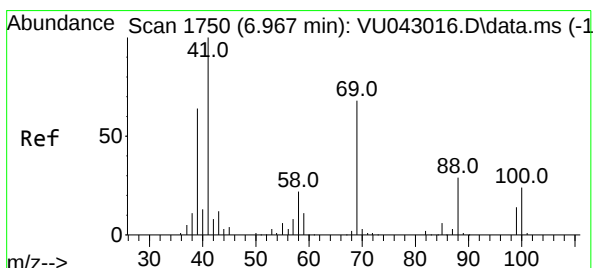
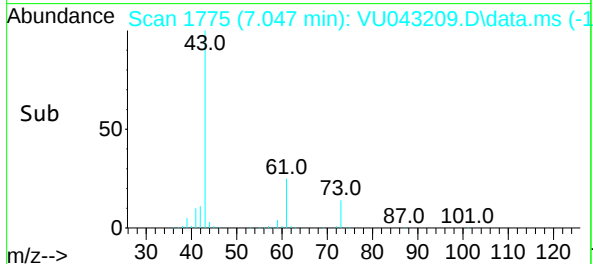
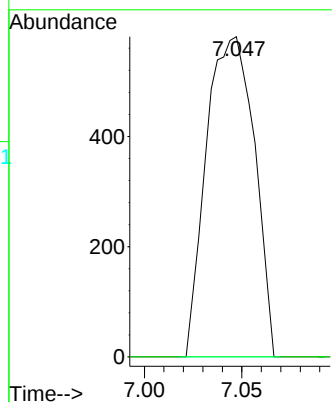
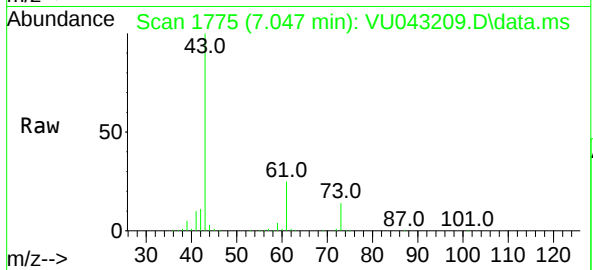




#45
1,2-Dichloropropane
Concen: 0.57 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.251 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02

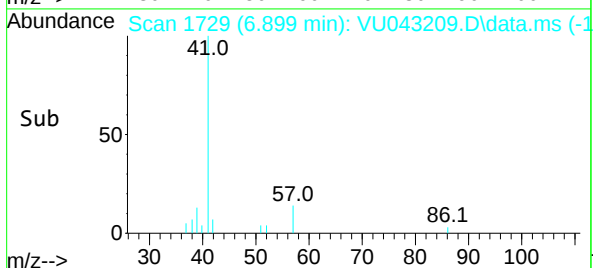
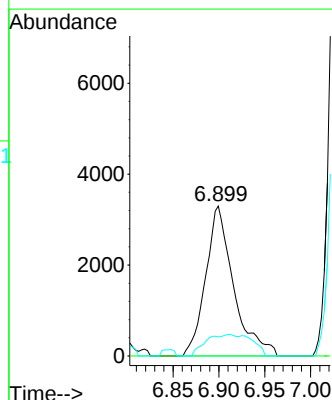
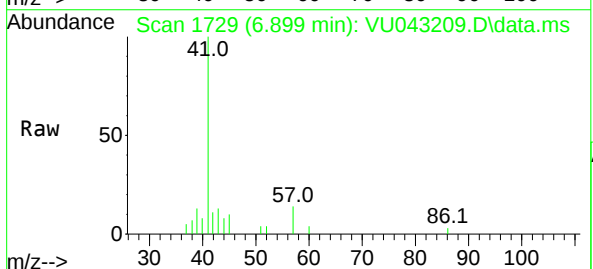
Instrument :
MSVOA_U
ClientSampled :

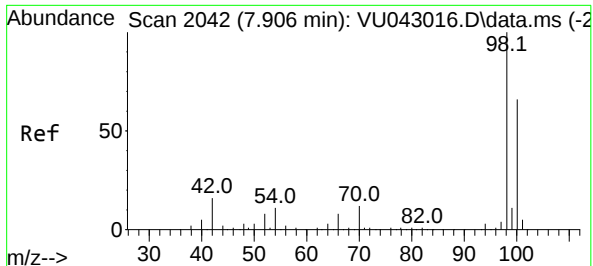
Tgt Ion: 63 Resp: 996
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#



#48
Methyl methacrylate
Concen: 2.61 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02

Tgt Ion: 41 Resp: 6982
Ion Ratio Lower Upper
41 100
69 0.0 57.0 85.6#
39 0.0 48.4 72.6#

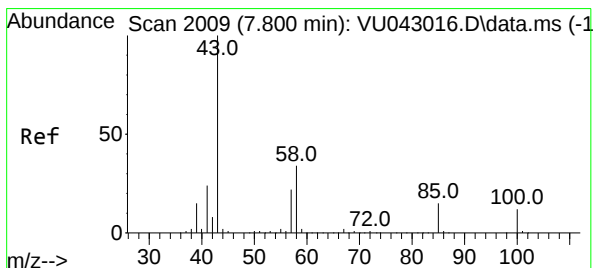
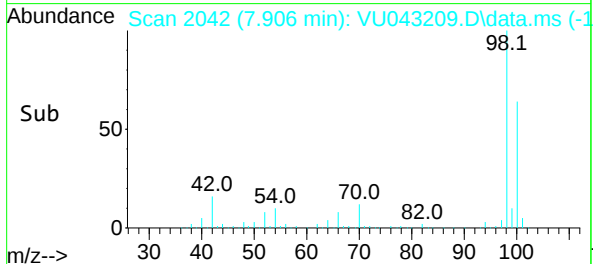
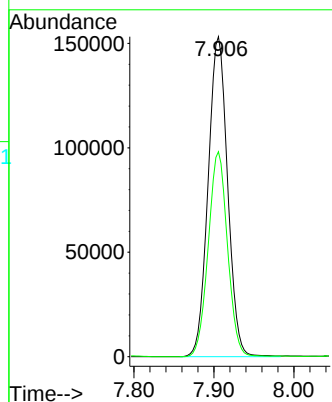
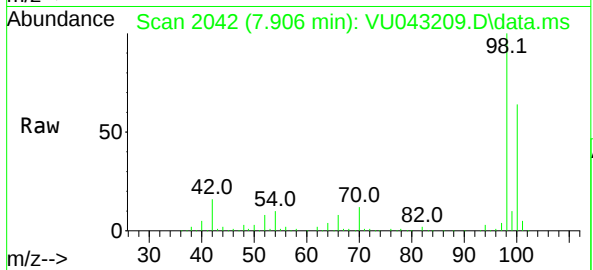




#50
Toluene-d8
Concen: 47.46 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02

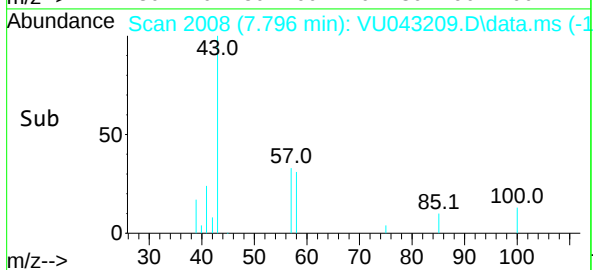
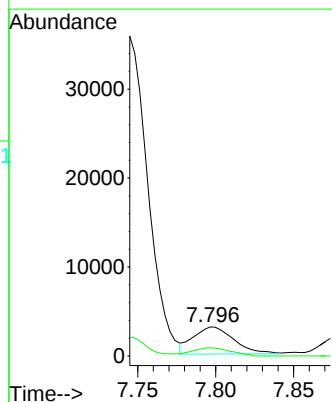
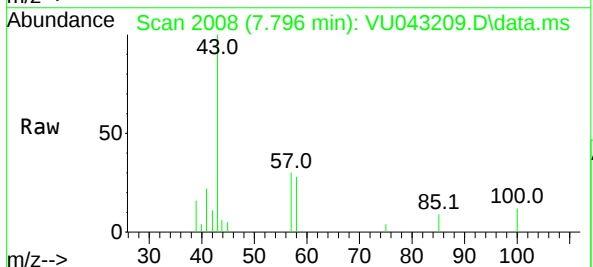
Instrument :
MSVOA_U
ClientSampled :

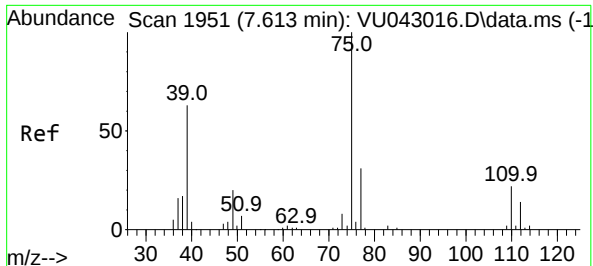
Tgt Ion: 98 Resp: 259606
Ion Ratio Lower Upper
98 100
100 63.3 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.40 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.004 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02

Tgt Ion: 43 Resp: 5521
Ion Ratio Lower Upper
43 100
58 29.5 28.1 42.1

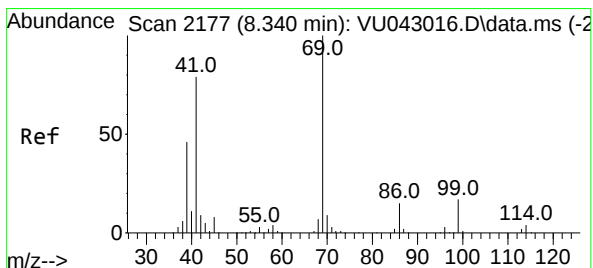
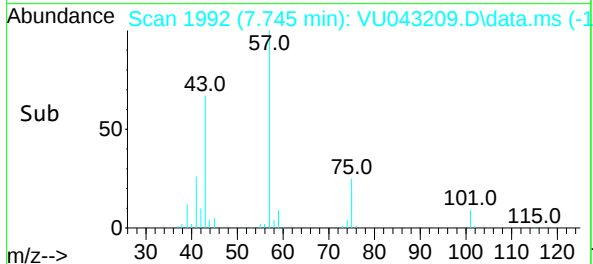
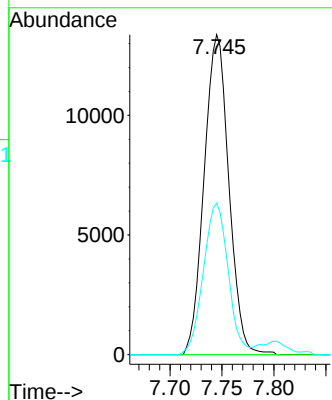
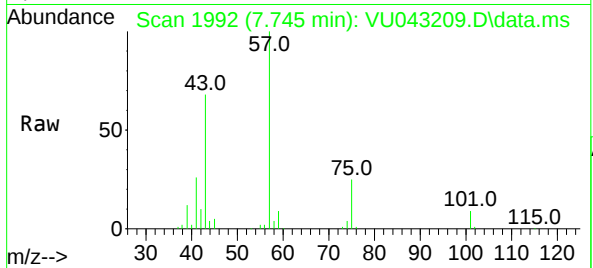




#54
cis-1,3-Dichloropropene
Concen: 8.09 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02

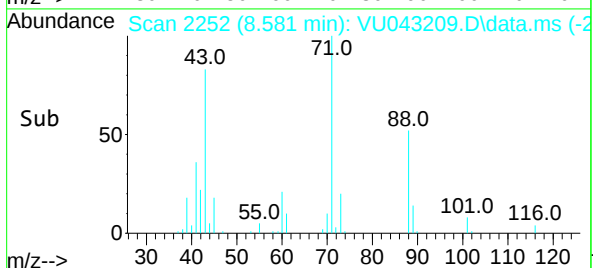
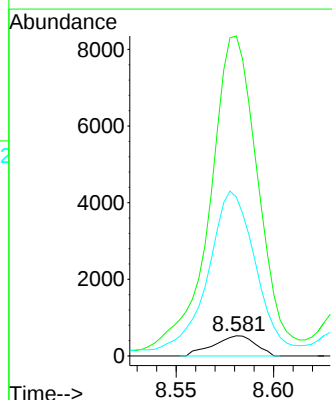
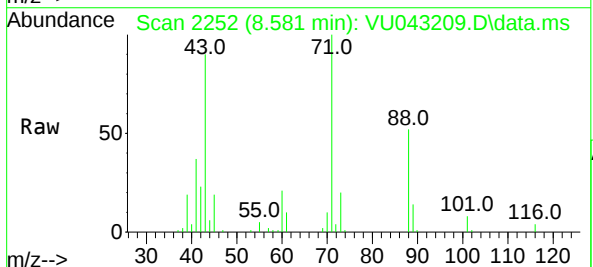
Instrument :
MSVOA_U
ClientSampled :

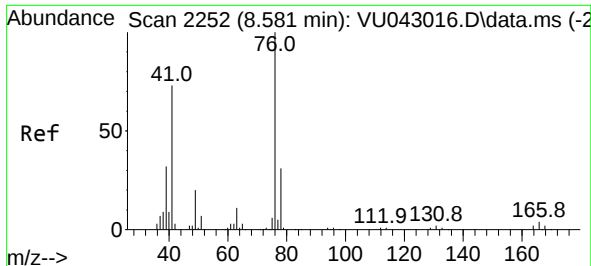
Tgt Ion: 75 Resp: 22137
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 47.4 46.1 69.1



#56
Ethyl methacrylate
Concen: 0.29 ug/l
RT: 8.581 min Scan# 2252
Delta R.T. 0.241 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02

Tgt Ion: 69 Resp: 790
Ion Ratio Lower Upper
69 100
41 1764.8 62.8 94.2#
39 968.6 36.2 54.2#

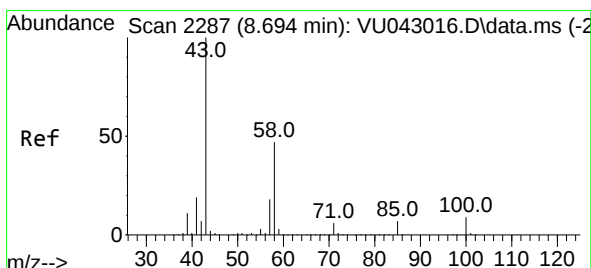
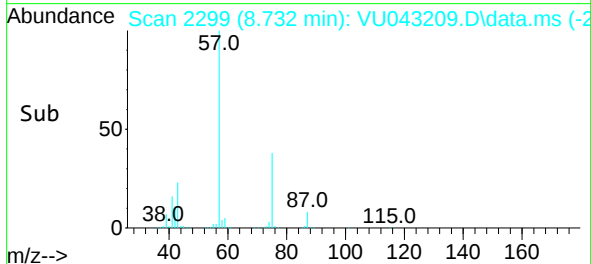
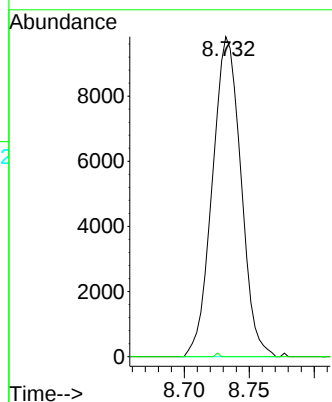
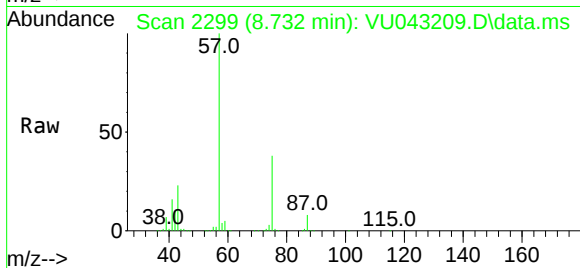




#57
1,3-Dichloropropane
Concen: 5.24 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02

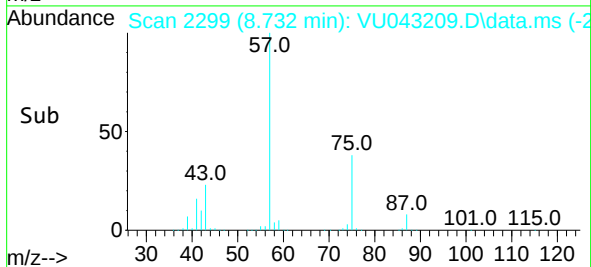
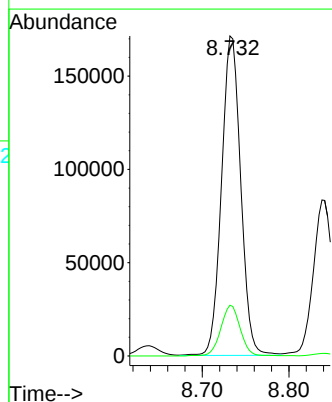
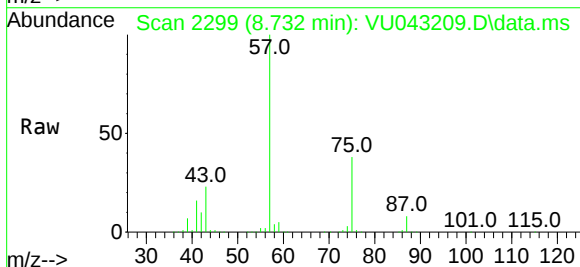
Instrument :
MSVOA_U
ClientSampled :

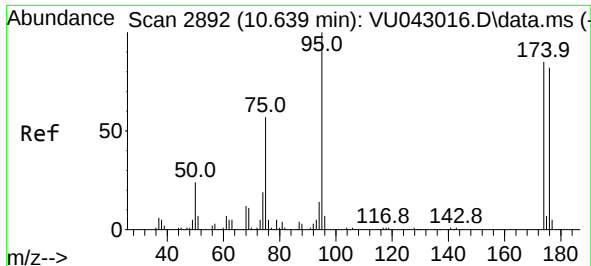
Tgt Ion: 76 Resp: 14999
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#



#59
2-Hexanone
Concen: 81.24 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02

Tgt Ion: 43 Resp: 263378
Ion Ratio Lower Upper
43 100
58 16.3 24.0 72.0#

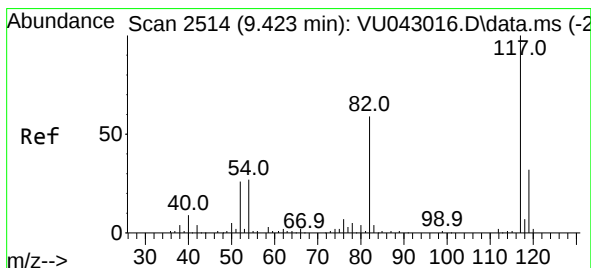
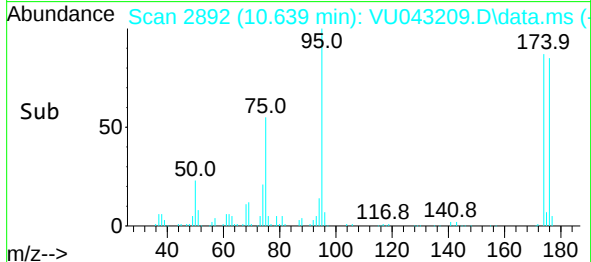
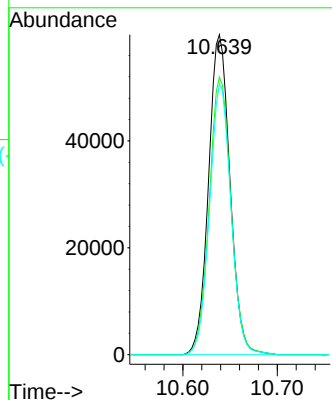
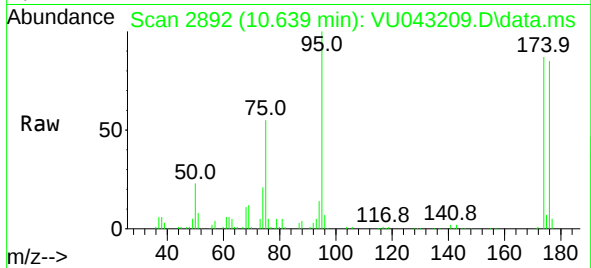




#62
4-Bromofluorobenzene
Concen: 43.12 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02

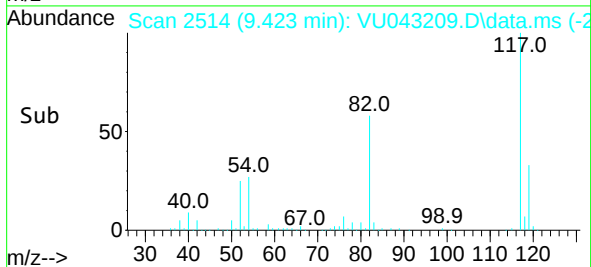
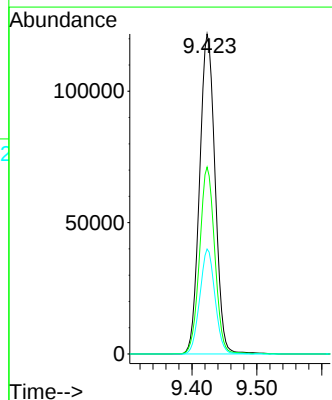
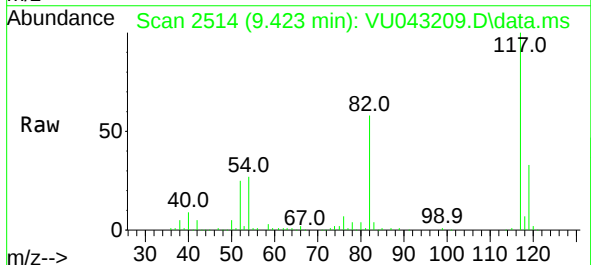
Instrument :
MSVOA_U
ClientSampleId :

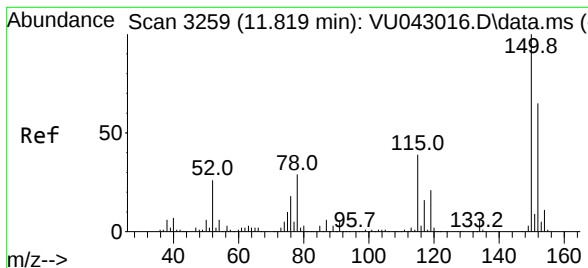
Tgt Ion: 95 Resp: 94435
Ion Ratio Lower Upper
95 100
174 88.2 0.0 172.2
176 84.4 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043209.D
Acq: 19 Apr 2021 21:02

Tgt Ion: 117 Resp: 202522
Ion Ratio Lower Upper
117 100
82 58.4 45.8 68.6
119 32.8 25.8 38.8

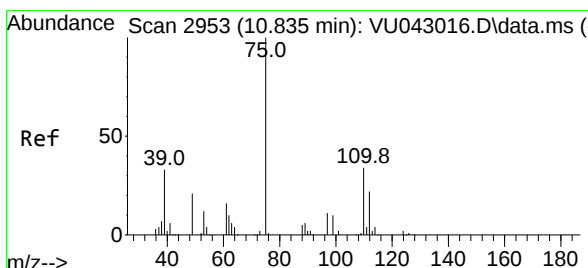
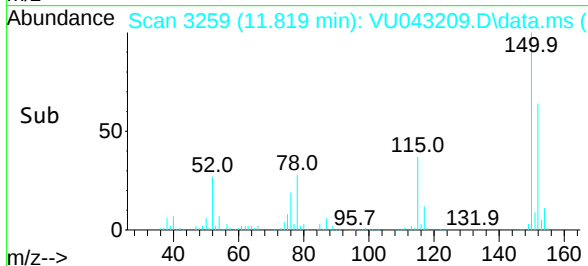
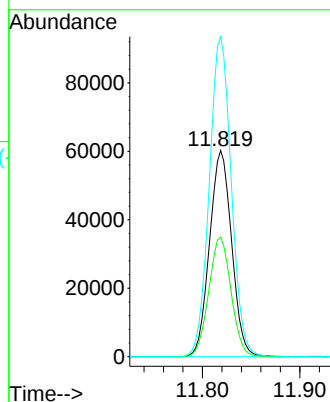
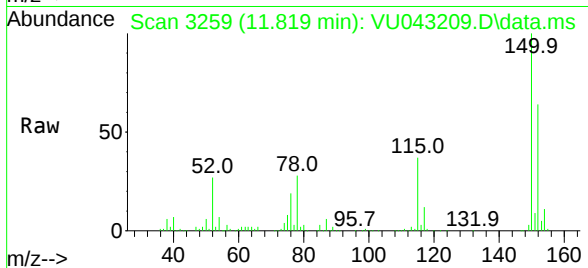




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU043209.D
 Acq: 19 Apr 2021 21:02

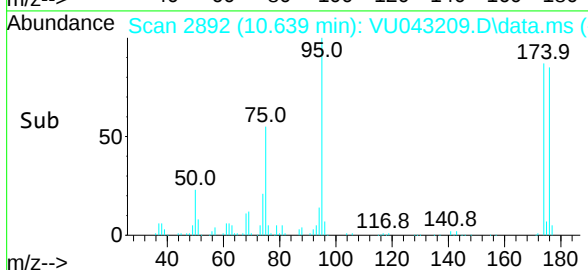
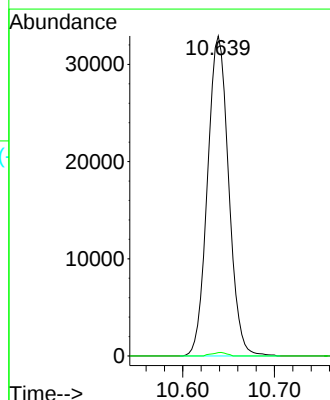
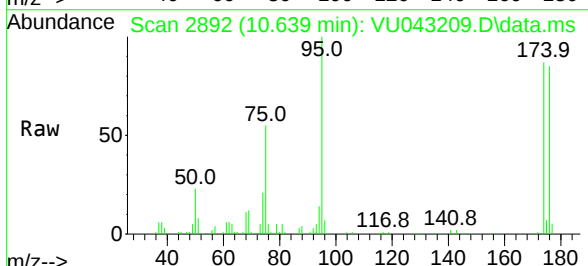
Instrument :
 MSVOA_U
 ClientSampled :

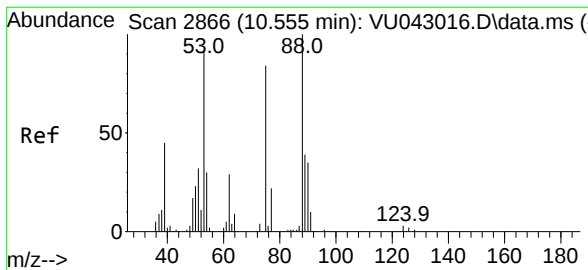
Tgt Ion:152 Resp: 94900
 Ion Ratio Lower Upper
 152 100
 115 58.3 41.5 124.6
 150 154.1 0.0 342.4



#76
 1,2,3-Trichloropropane
 Concen: 19.07 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.196 min
 Lab File: VU043209.D
 Acq: 19 Apr 2021 21:02

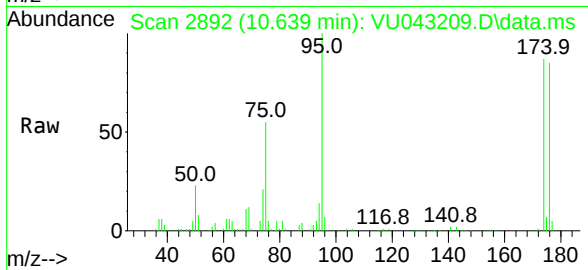
Tgt Ion: 75 Resp: 52877
 Ion Ratio Lower Upper
 75 100
 77 0.8 20.2 60.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.03 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. 0.084 min
 Lab File: VU043209.D
 Acq: 19 Apr 2021 21:02

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 52877
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.6 128.4#
 89 0.0 35.7 53.5#

