

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041321\
 Data File : VU043045.D
 Acq On : 13 Apr 2021 12:46
 Operator : SY/MD
 Sample : M1952-03 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

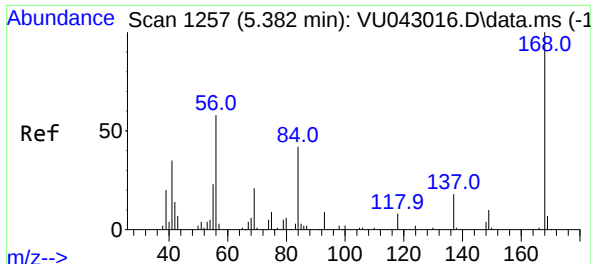
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 13 14:30:24 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	138036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	225836	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	216996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	106173	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	114318	49.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.52%	
35) Dibromofluoromethane	5.298	113	79490	46.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.68%	
50) Toluene-d8	7.906	98	292150	48.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.30%	
62) 4-Bromofluorobenzene	10.639	95	106037	44.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.20%	
Target Compounds						Qvalue
3) Chloromethane	1.520	50	522	Below Cal		89
13) Acrolein	2.543	56	322	11.25 ug/l #		1
14) Allyl chloride	2.819	41	4821	1.54 ug/l #		25
16) Acetone	2.645	43	50363	36.62 ug/l		97
18) Methyl Acetate	2.816	43	16763	5.78 ug/l #		55
22) Diisopropyl ether	4.131	45	16142	2.69 ug/l #		1
23) Vinyl Acetate	4.121	43	32200	5.55 ug/l #		76
25) 2-Butanone	4.729	43	9750	4.63 ug/l		97
31) Cyclohexane	5.385	56	3290	1.15 ug/l #		24
36) 1,1-Dichloropropene	5.382	75	12026	5.02 ug/l #		49
37) Ethyl Acetate	4.729	43	9750	2.38 ug/l #		71
38) Carbon Tetrachloride	5.382	117	13813	5.38 ug/l #		16
40) Benzene	5.784	78	20378	2.98 ug/l		93
52) Toluene	7.976	92	24727	5.83 ug/l		96
59) 2-Hexanone	8.697	43	1257	0.35 ug/l		86
67) Ethyl Benzene	9.578	91	4428	0.53 ug/l #		86
68) m/p-Xylenes	9.700	106	8588	2.76 ug/l		96
69) o-Xylene	10.108	106	4508	1.49 ug/l		90
70) Styrene	10.118	104	2284	0.45 ug/l #		74
75) 1,1,2,2-Tetrachloroethane	10.713	83	1322	0.43 ug/l #		26
76) 1,2,3-Trichloropropane	10.639	75	61233	19.74 ug/l #		37
80) 1,3,5-Trimethylbenzene	11.095	105	1617	0.26 ug/l		89
81) trans-1,4-Dichloro-2-b...	10.639	75	61233	57.99 ug/l #		7
84) 1,2,4-Trimethylbenzene	11.475	105	5914	0.92 ug/l		87
90) Hexachloroethane	12.314	117	418	0.33 ug/l #		6
93) 1,2,4-Trichlorobenzene	13.857	180	304	1.63 ug/l #		62
95) Naphthalene	14.095	128	27709	6.15 ug/l		99
96) 1,2,3-Trichlorobenzene	14.336	180	245	1.56 ug/l #		79

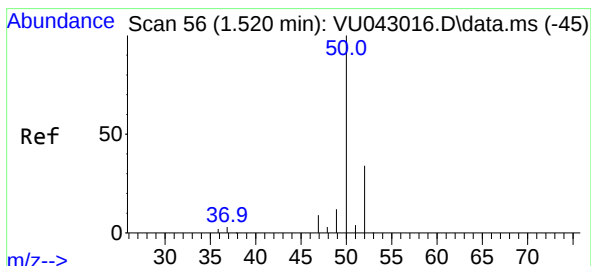
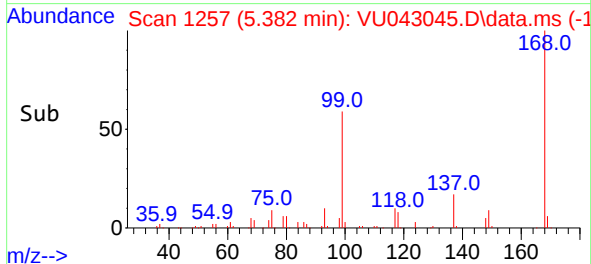
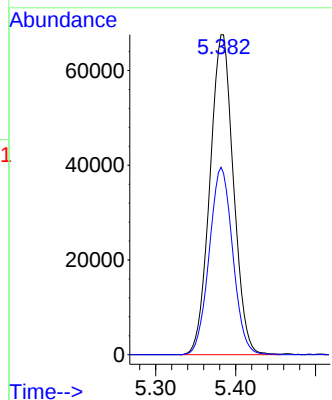
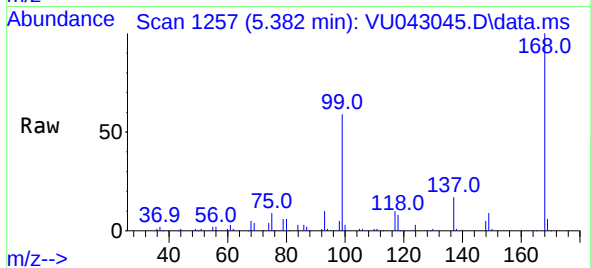
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

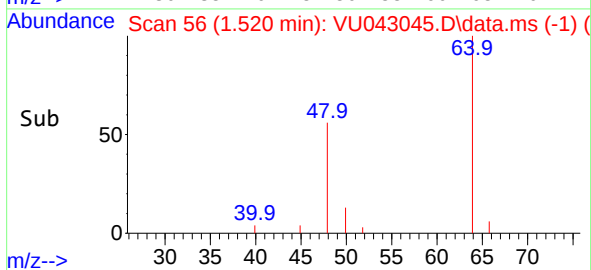
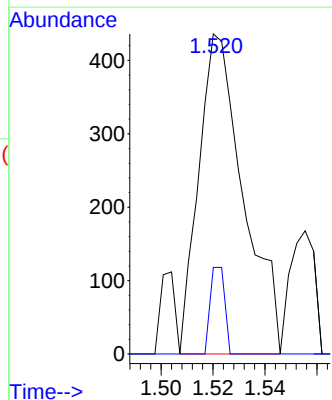
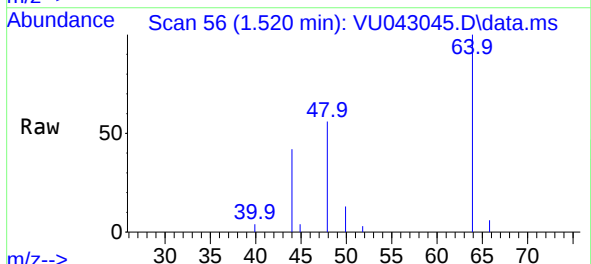
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MSVOA_U
ClientSampled :

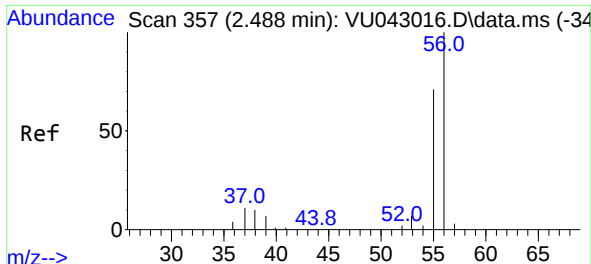
Tgt Ion:168 Resp: 138036
Ion Ratio Lower Upper
168 100
99 58.6 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

Tgt Ion: 50 Resp: 522
Ion Ratio Lower Upper
50 100
52 27.1 26.6 40.0

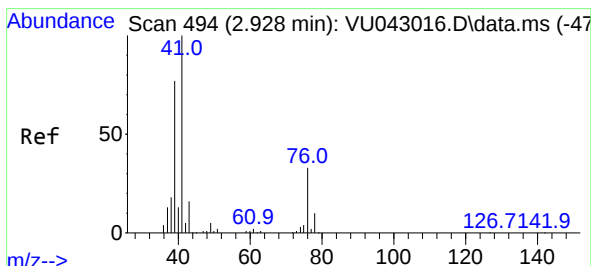
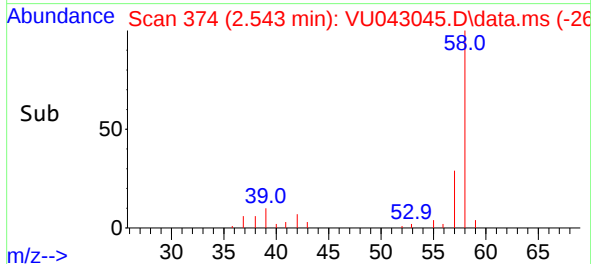
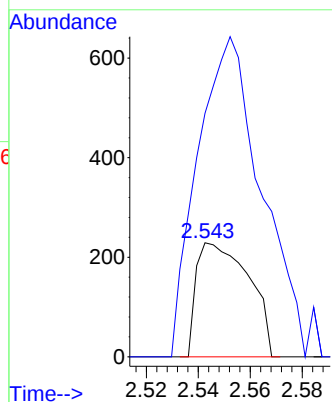
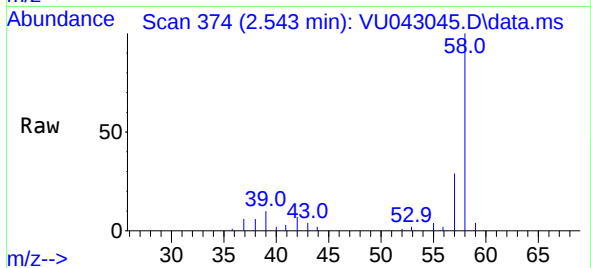




#13
Acrolein
Concen: 11.25 ug/l
RT: 2.543 min Scan# 374
Delta R.T. 0.055 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

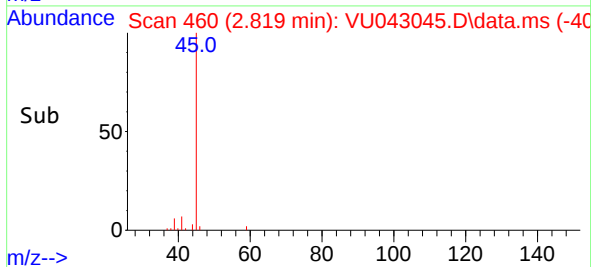
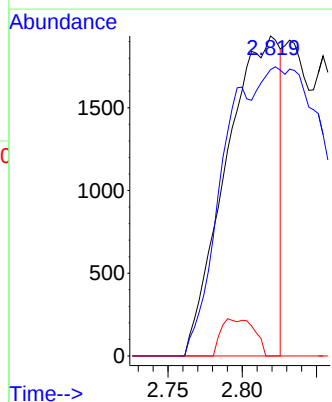
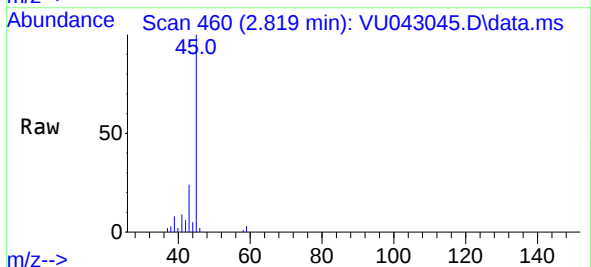
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MSVOA_U
ClientSampleId :

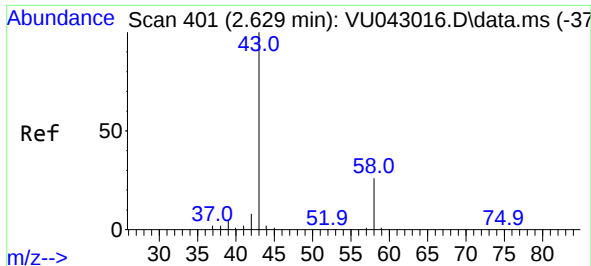
Tgt Ion: 56 Resp: 322
Ion Ratio Lower Upper
56 100
55 346.0 57.3 85.9#



#14
Allyl chloride
Concen: 1.54 ug/l
RT: 2.819 min Scan# 460
Delta R.T. -0.109 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

Tgt Ion: 41 Resp: 4821
Ion Ratio Lower Upper
41 100
39 0.0 54.9 82.3#
76 0.0 22.5 33.7#

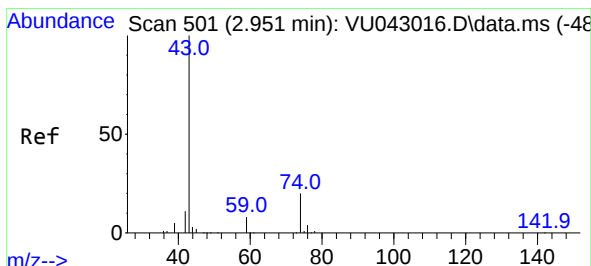
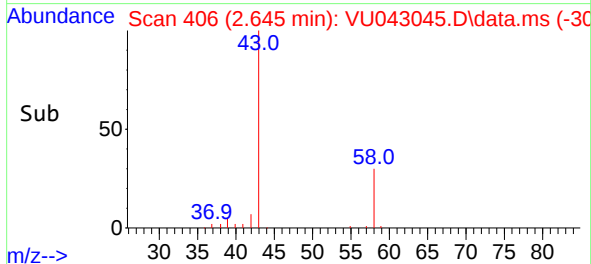
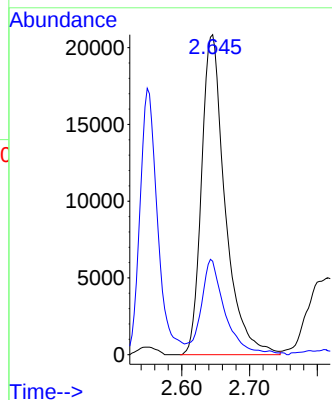
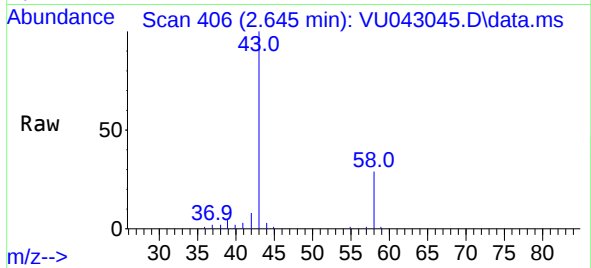




#16
Acetone
Concen: 36.62 ug/l
RT: 2.645 min Scan# 406
Delta R.T. 0.016 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

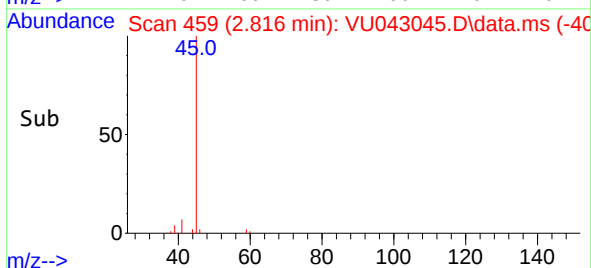
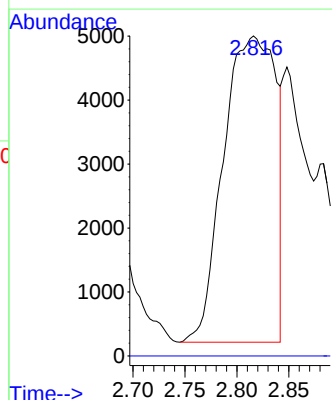
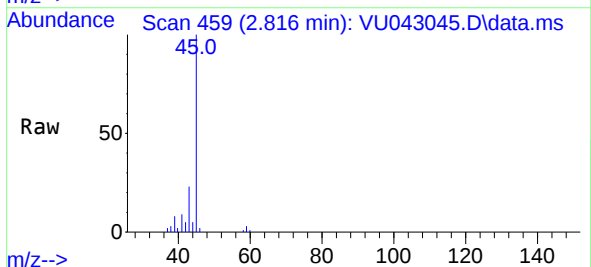
Instrument :
MSVOA_U
ClientSampled :

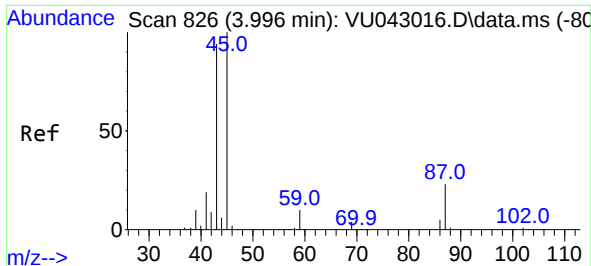
Tgt Ion: 43 Resp: 50363
Ion Ratio Lower Upper
43 100
58 28.6 21.5 32.3



#18
Methyl Acetate
Concen: 5.78 ug/l
RT: 2.816 min Scan# 459
Delta R.T. -0.135 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

Tgt Ion: 43 Resp: 16763
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#

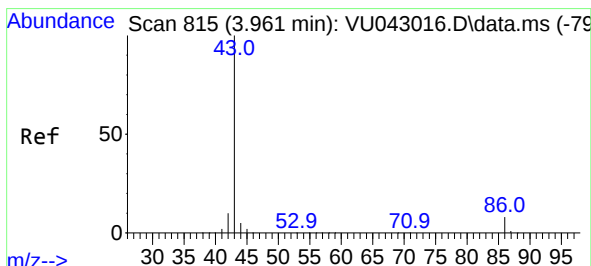
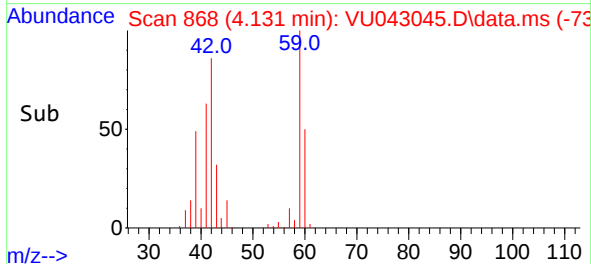
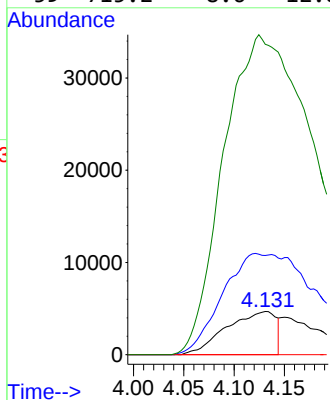
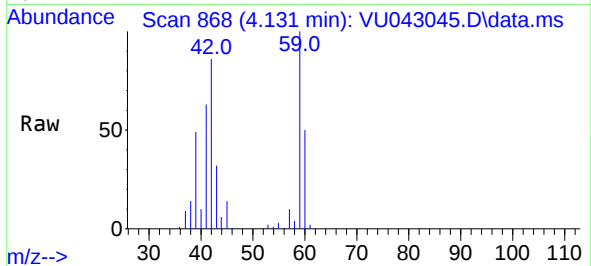




#22
Diisopropyl ether
Concen: 2.69 ug/l
RT: 4.131 min Scan# 868
Delta R.T. 0.135 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

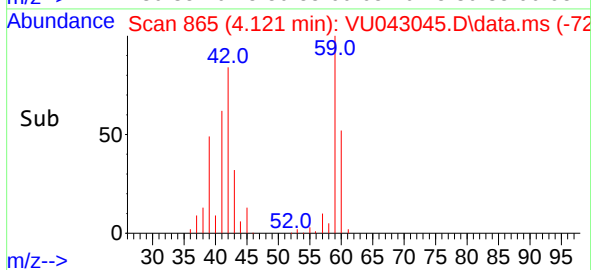
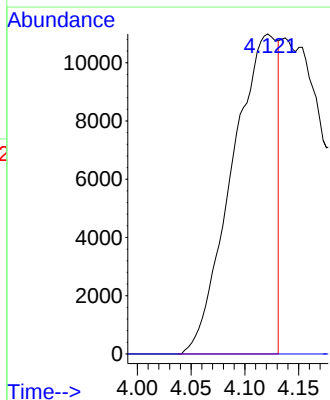
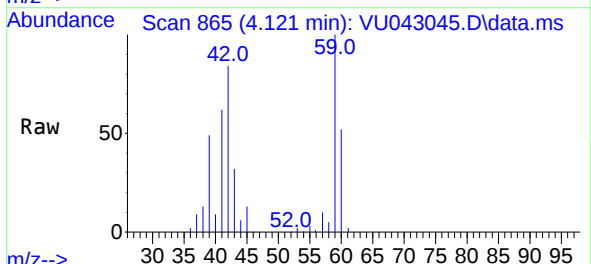
Instrument :
MSVOA_U
ClientSampled :

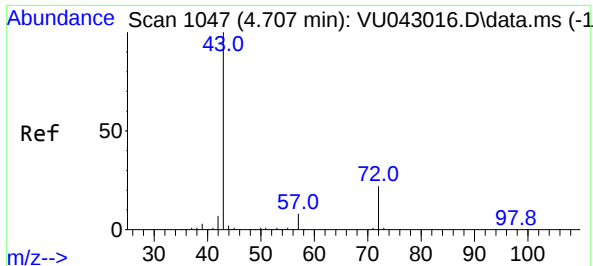
Tgt Ion:	45	Resp:	16142
Ion	Ratio	Lower	Upper
45	100		
43	227.1	73.0	109.6#
87	0.0	19.5	29.3#
59	715.2	8.6	12.8#



#23
Vinyl Acetate
Concen: 5.55 ug/l
RT: 4.121 min Scan# 865
Delta R.T. 0.160 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

Tgt Ion:	43	Resp:	32200
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.7	10.1#

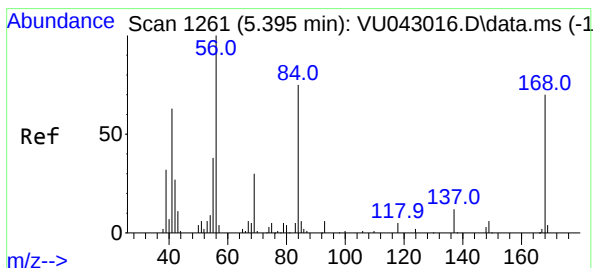
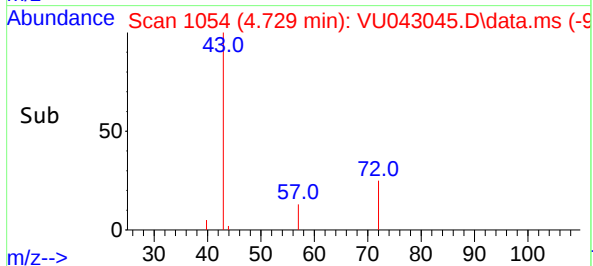
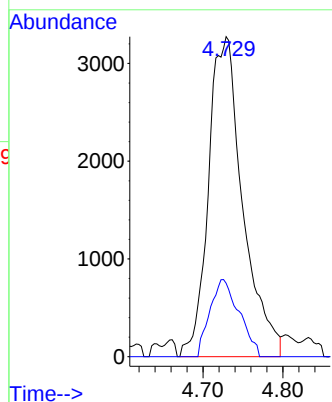
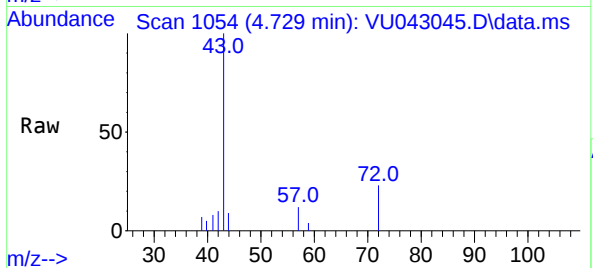




#25
2-Butanone
Concen: 4.63 ug/l
RT: 4.729 min Scan# 1054
Delta R.T. 0.022 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

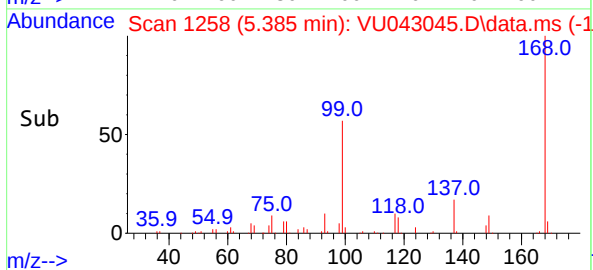
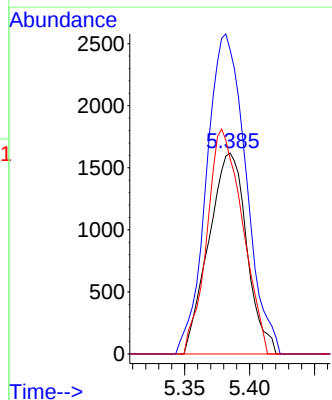
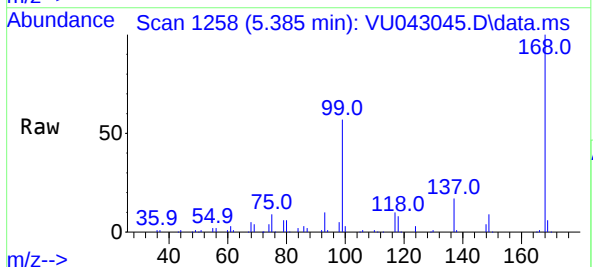
Instrument :
MSVOA_U
ClientSampled :

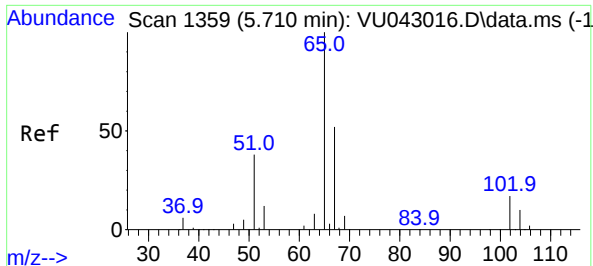
Tgt Ion: 43 Resp: 9750
Ion Ratio Lower Upper
43 100
72 22.9 17.4 26.0



#31
Cyclohexane
Concen: 1.15 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.010 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

Tgt Ion: 56 Resp: 3290
Ion Ratio Lower Upper
56 100
69 151.4 24.9 37.3#
84 97.0 63.7 95.5#

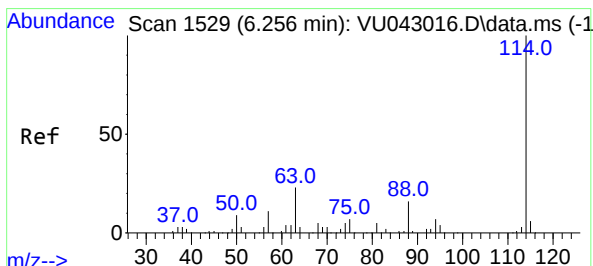
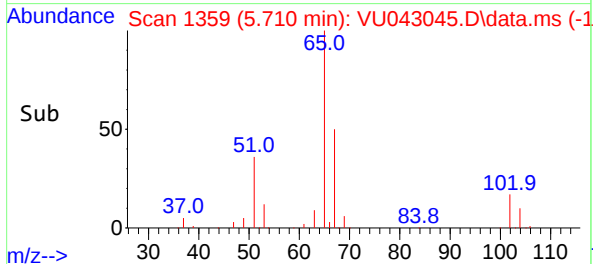
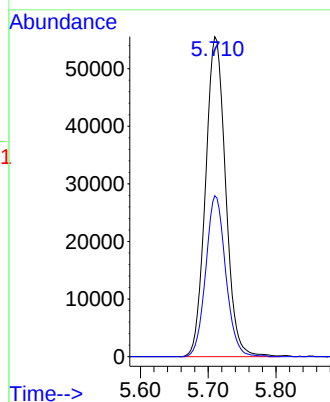
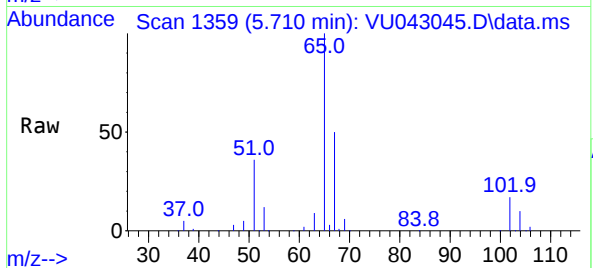




#33
1,2-Dichloroethane-d4
Concen: 49.26 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

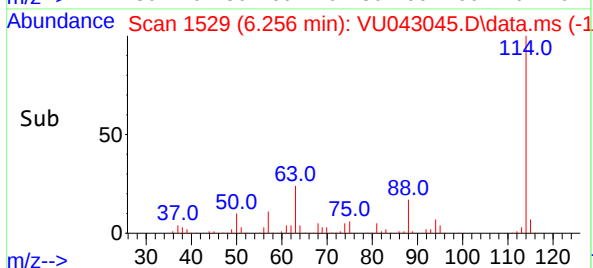
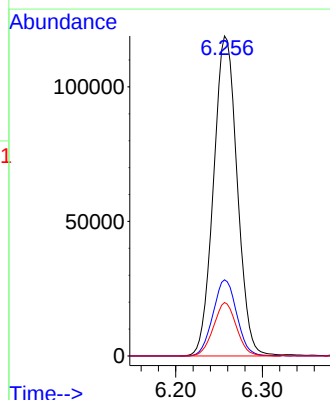
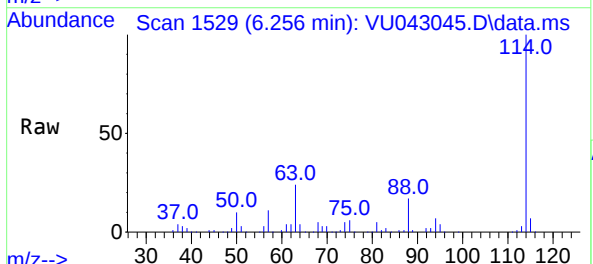
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ClientSampled :

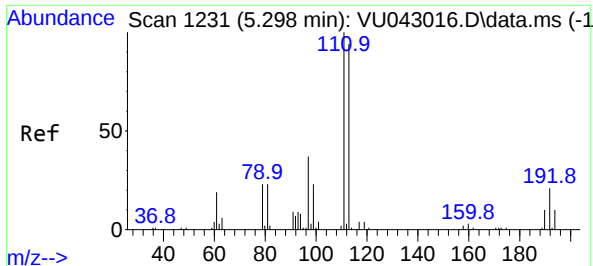
Tgt Ion: 65 Resp: 114318
Ion Ratio Lower Upper
65 100
67 49.9 0.0 99.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

Tgt Ion:114 Resp: 225836
Ion Ratio Lower Upper
114 100
63 23.8 0.0 44.2
88 16.7 0.0 33.4

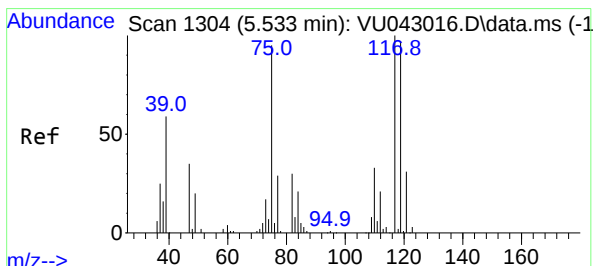
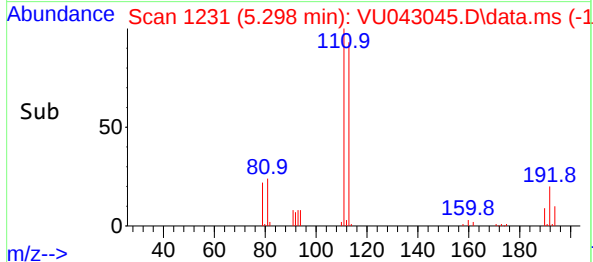
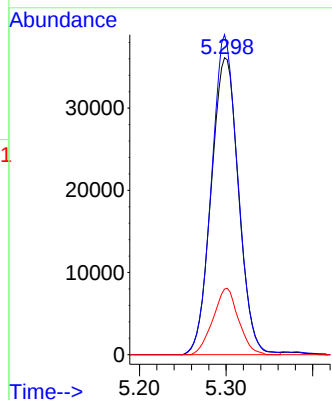
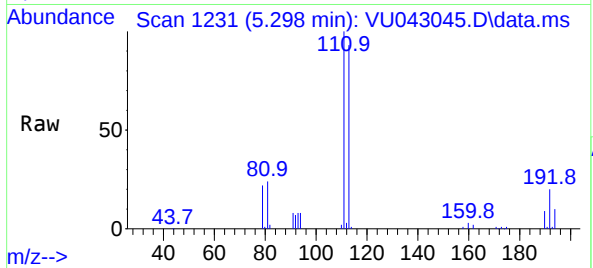




#35
Dibromofluoromethane
Concen: 46.84 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

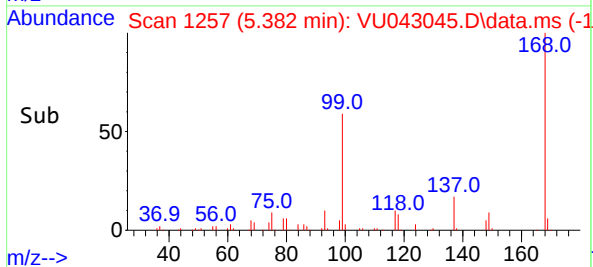
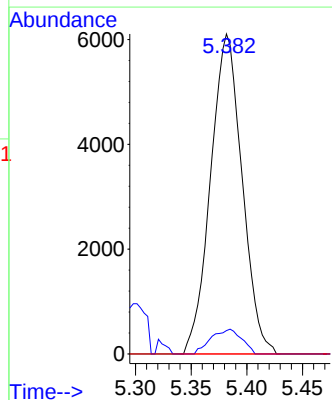
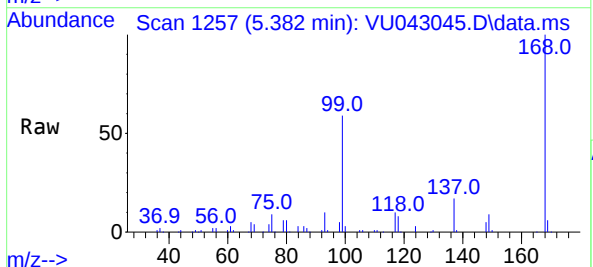
Instrument :
MSVOA_U
ClientSampleId :

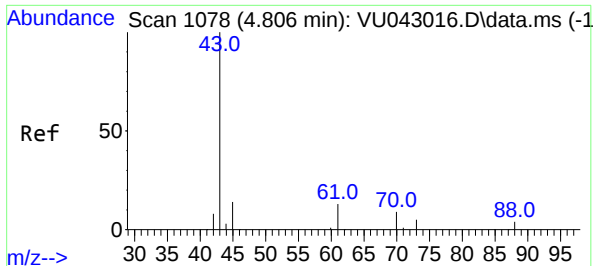
Tgt Ion:113 Resp: 79490
Ion Ratio Lower Upper
113 100
111 103.4 81.8 122.8
192 20.8 17.2 25.8



#36
1,1-Dichloropropene
Concen: 5.02 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

Tgt Ion: 75 Resp: 12026
Ion Ratio Lower Upper
75 100
110 7.5 16.8 50.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 2.38 ug/l

RT: 4.729 min Scan# 1054

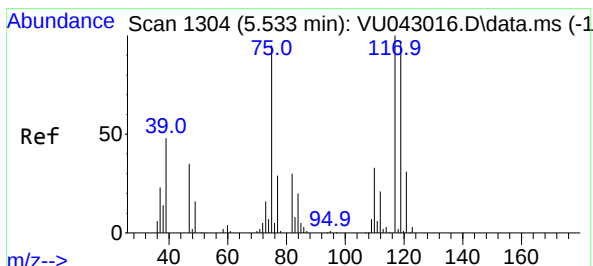
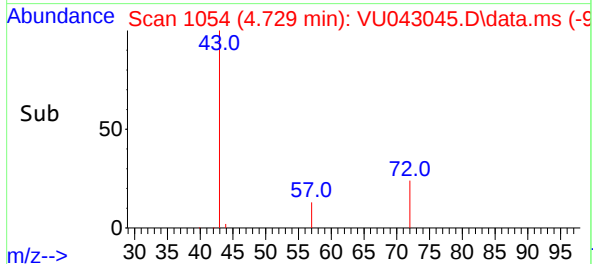
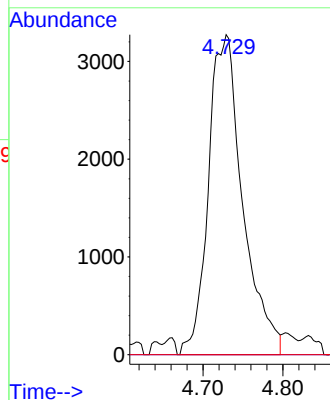
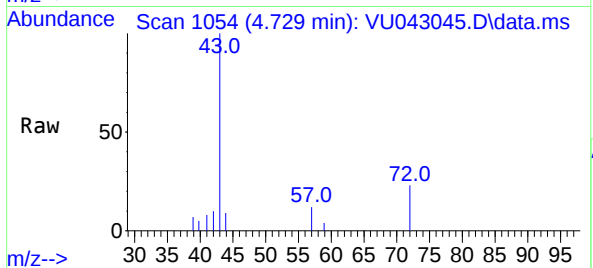
Delta R.T. -0.077 min

Lab File: VU043045.D

Acq: 13 Apr 2021 12:46

Tgt Ion:	43	Resp:	9750
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.1	15.1#
70	0.0	7.2	10.8#

Instrument :
MSVOA_U
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.38 ug/l

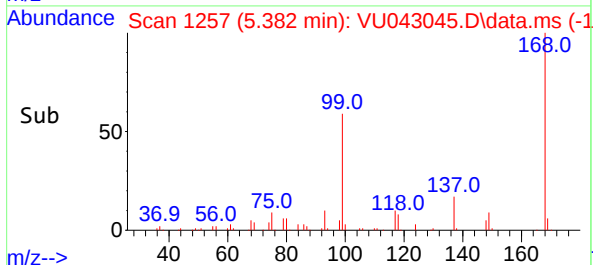
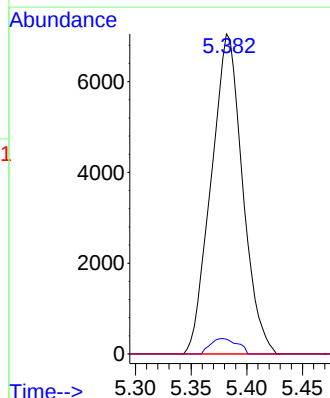
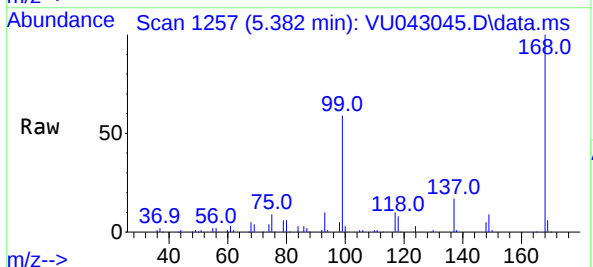
RT: 5.382 min Scan# 1257

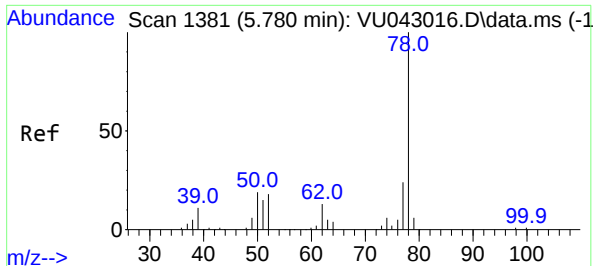
Delta R.T. -0.151 min

Lab File: VU043045.D

Acq: 13 Apr 2021 12:46

Tgt Ion:	117	Resp:	13813
Ion	Ratio	Lower	Upper
117	100		
119	4.6	75.5	113.3#
121	0.0	24.7	37.1#

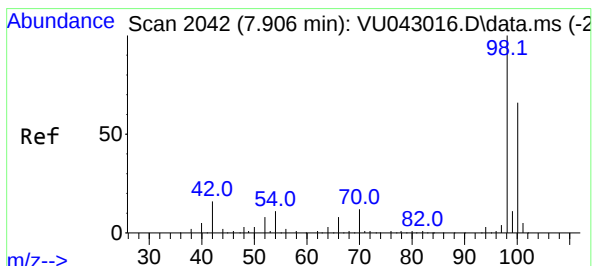
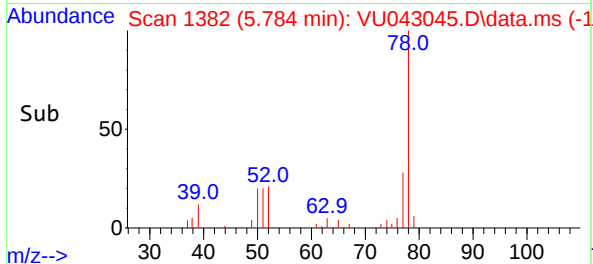
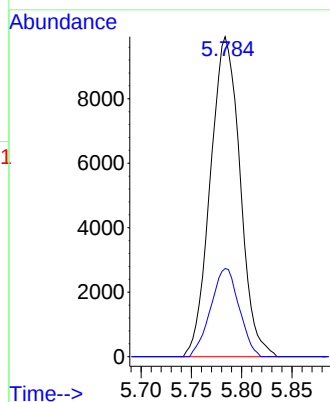
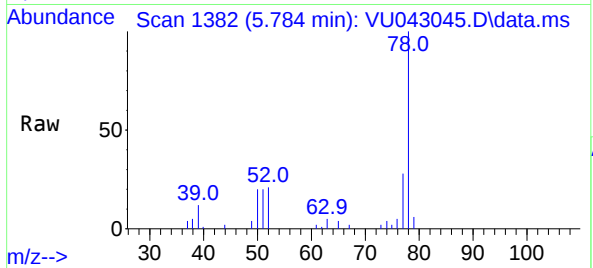




#40
Benzene
Concen: 2.98 ug/l
RT: 5.784 min Scan# 1382
Delta R.T. 0.004 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

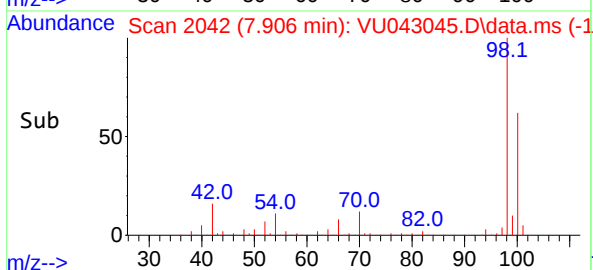
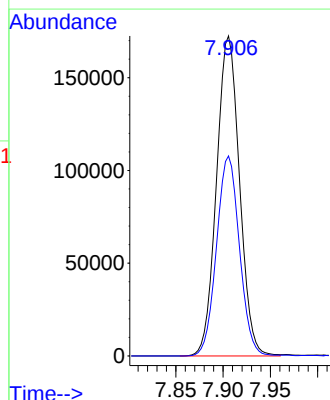
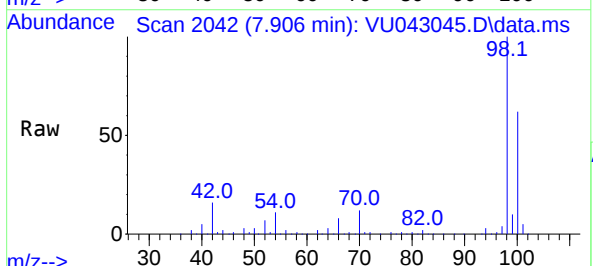
Instrument :
MSVOA_U
ClientSampled :

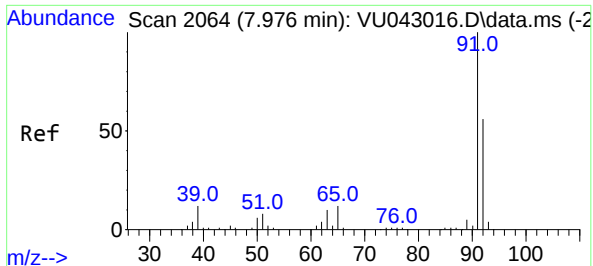
Tgt Ion: 78 Resp: 20378
Ion Ratio Lower Upper
78 100
77 27.6 19.3 28.9



#50
Toluene-d8
Concen: 48.65 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

Tgt Ion: 98 Resp: 292150
Ion Ratio Lower Upper
98 100
100 62.2 50.2 75.2





#52

Toluene

Concen: 5.83 ug/l

RT: 7.976 min Scan# 2064

Delta R.T. 0.000 min

Lab File: VU043045.D

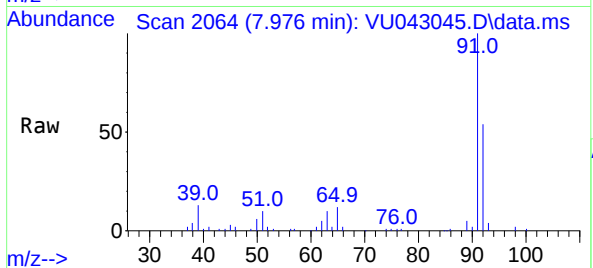
Acq: 13 Apr 2021 12:46

Tgt Ion: 92 Resp: 24727

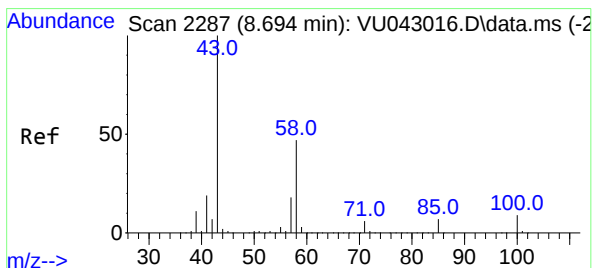
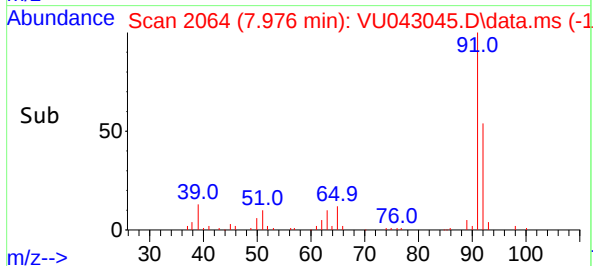
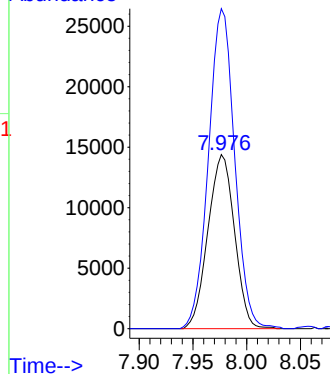
Ion Ratio Lower Upper

92 100

91 181.2 140.3 210.5



Abundance



#59

2-Hexanone

Concen: 0.35 ug/l

RT: 8.697 min Scan# 2288

Delta R.T. 0.003 min

Lab File: VU043045.D

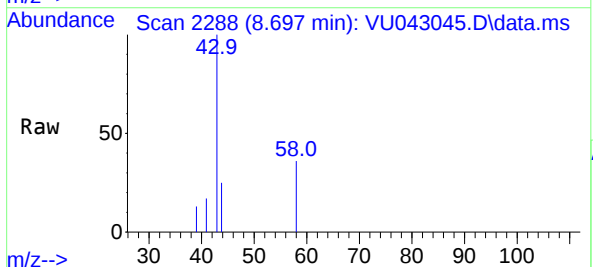
Acq: 13 Apr 2021 12:46

Tgt Ion: 43 Resp: 1257

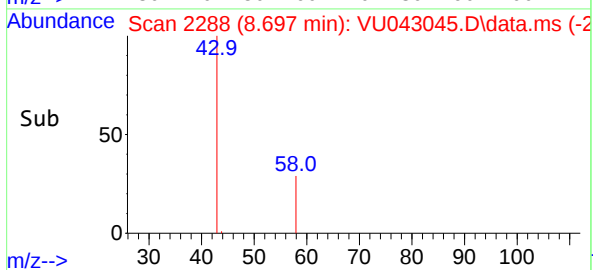
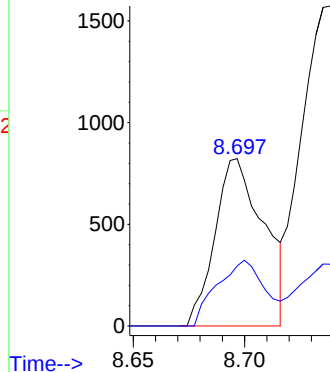
Ion Ratio Lower Upper

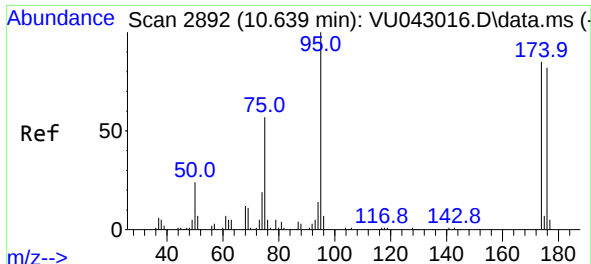
43 100

58 38.6 24.0 72.0



Abundance

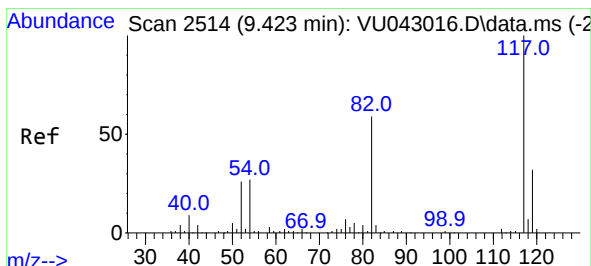
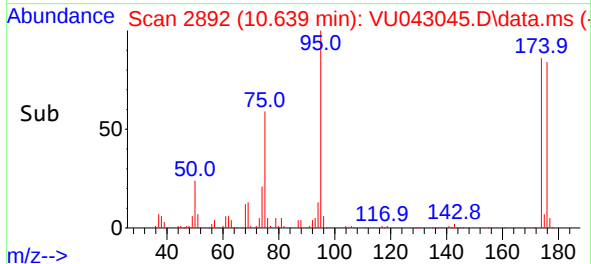
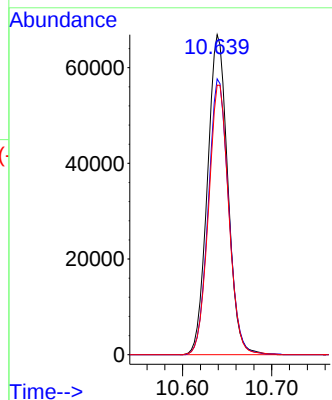
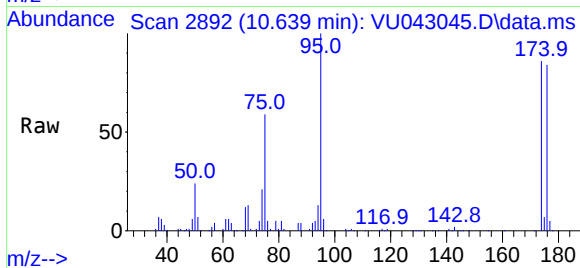




#62
4-Bromofluorobenzene
Concen: 44.10 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

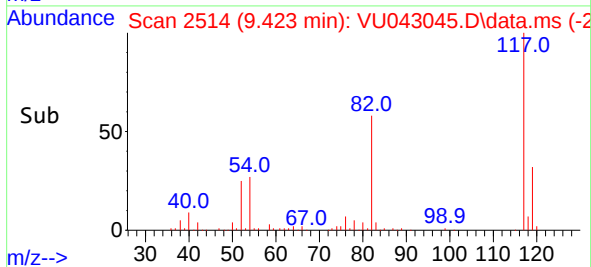
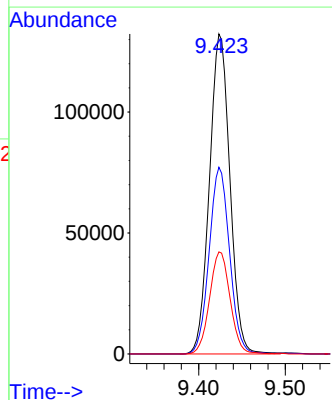
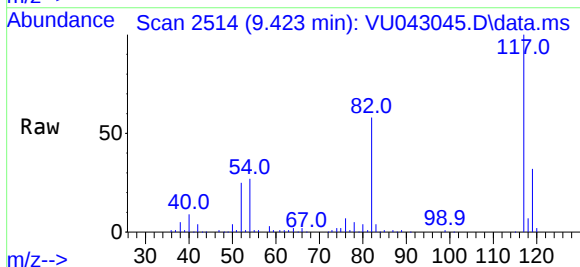
Instrument :
MSVOA_U
ClientSampleId :

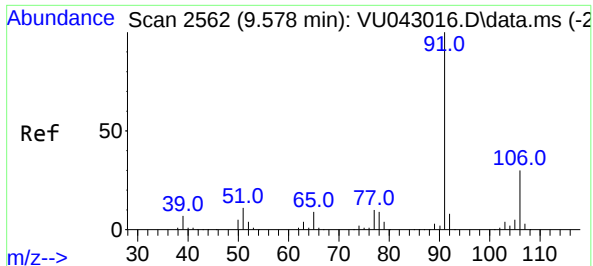
Tgt Ion: 95 Resp: 106037
Ion Ratio Lower Upper
95 100
174 85.8 0.0 172.2
176 83.8 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

Tgt Ion: 117 Resp: 216996
Ion Ratio Lower Upper
117 100
82 58.4 45.8 68.6
119 31.9 25.8 38.8





#67

Ethyl Benzene

Concen: 0.53 ug/l

RT: 9.578 min Scan# 2562

Delta R.T. -0.000 min

Lab File: VU043045.D

Acq: 13 Apr 2021 12:46

Tgt Ion: 91 Resp: 4428

Ion Ratio Lower Upper

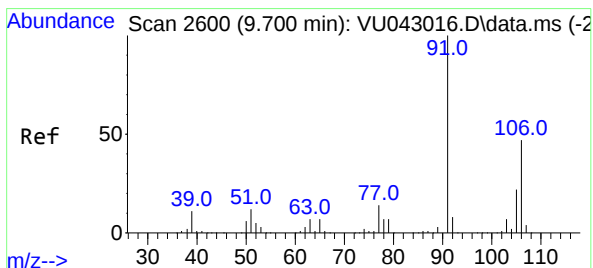
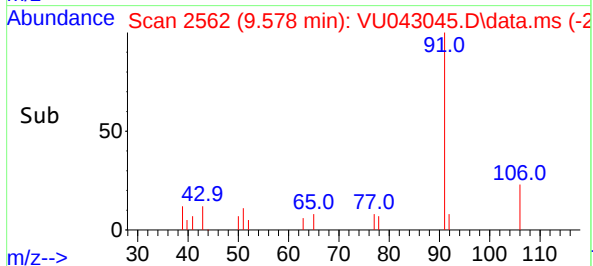
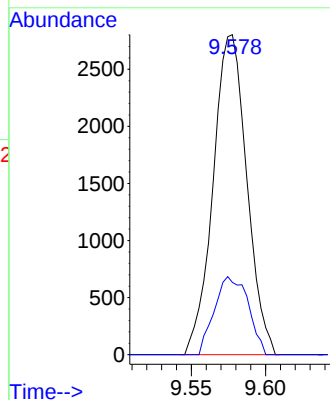
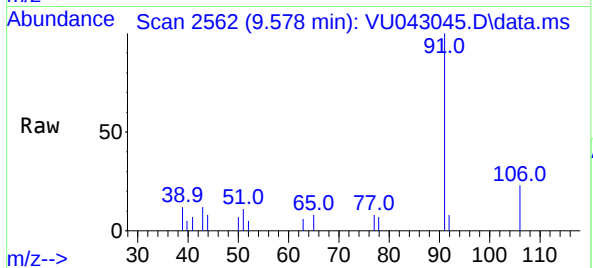
91 100

106 22.6 24.1 36.1#

Instrument :

MSVOA_U

ClientSampled :



#68

m/p-Xylenes

Concen: 2.76 ug/l

RT: 9.700 min Scan# 2600

Delta R.T. -0.000 min

Lab File: VU043045.D

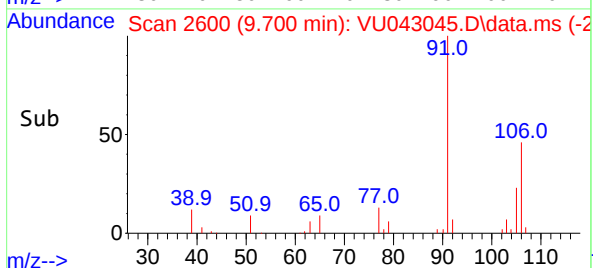
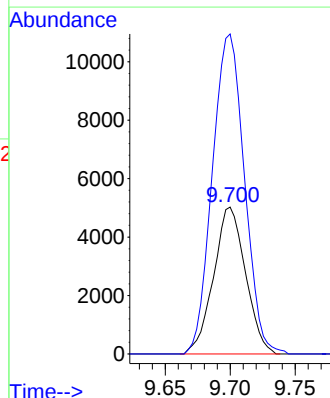
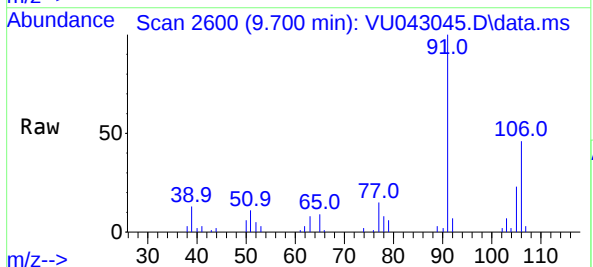
Acq: 13 Apr 2021 12:46

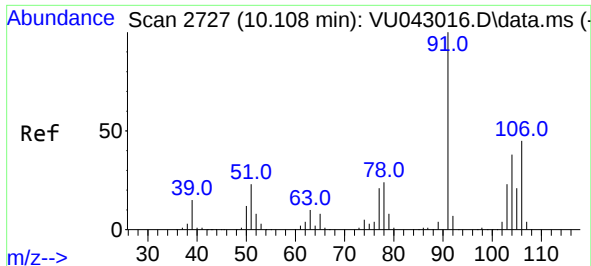
Tgt Ion:106 Resp: 8588

Ion Ratio Lower Upper

106 100

91 218.9 169.9 254.9

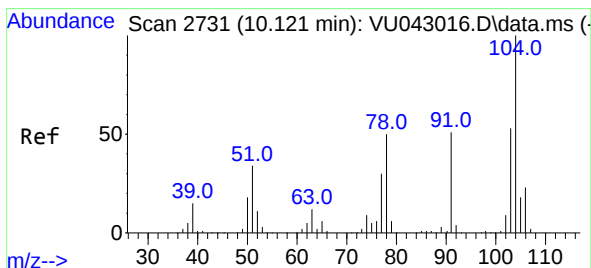
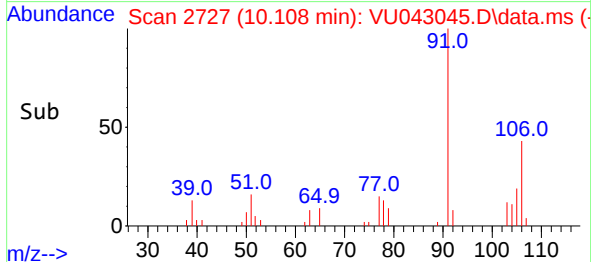
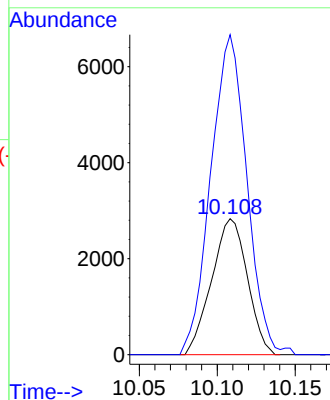
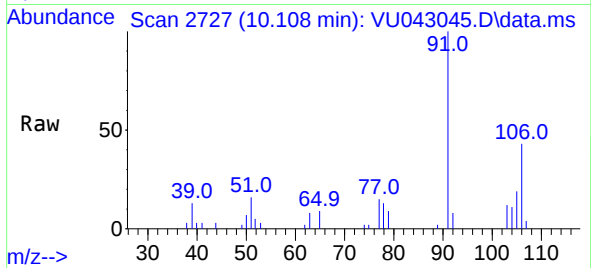




#69
o-Xylene
Concen: 1.49 ug/l
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

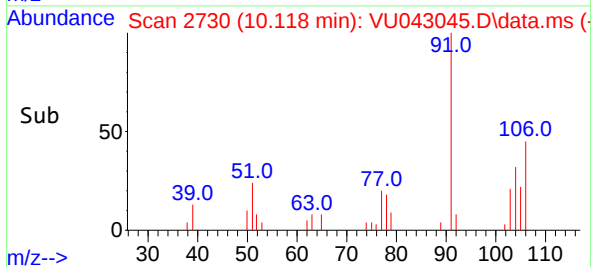
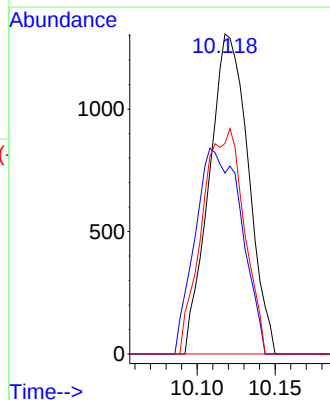
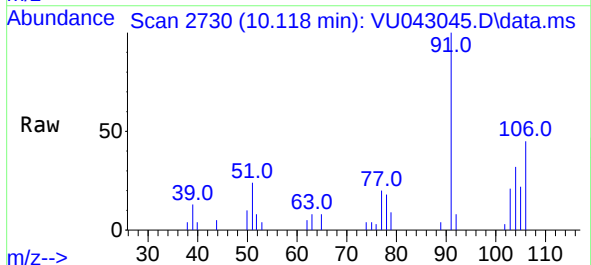
Instrument :
MSVOA_U
ClientSampled :

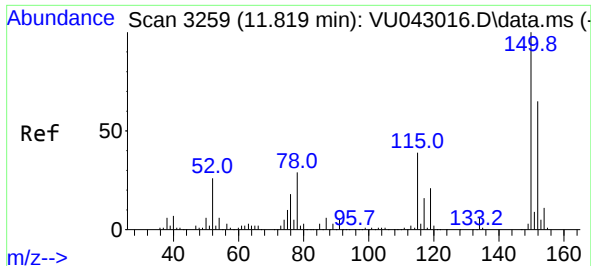
Tgt Ion:106 Resp: 4508
Ion Ratio Lower Upper
106 100
91 237.8 111.2 333.6



#70
Styrene
Concen: 0.45 ug/l
RT: 10.118 min Scan# 2730
Delta R.T. -0.003 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

Tgt Ion:104 Resp: 2284
Ion Ratio Lower Upper
104 100
78 76.1 44.8 67.2#
103 75.4 45.7 68.5#

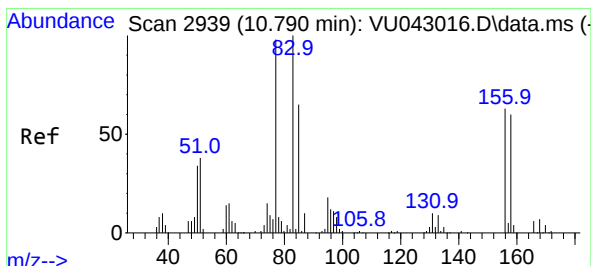
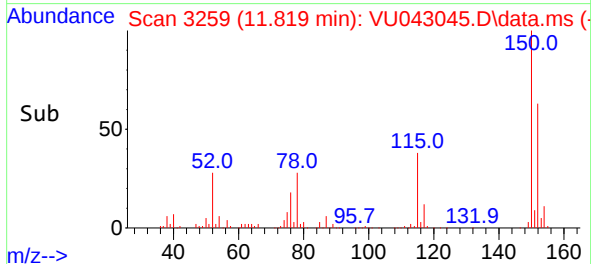
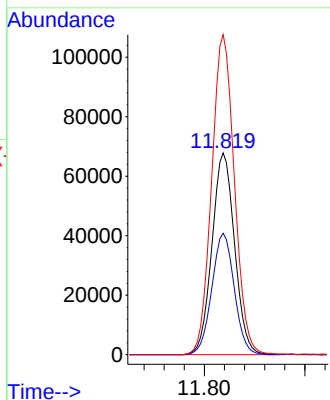
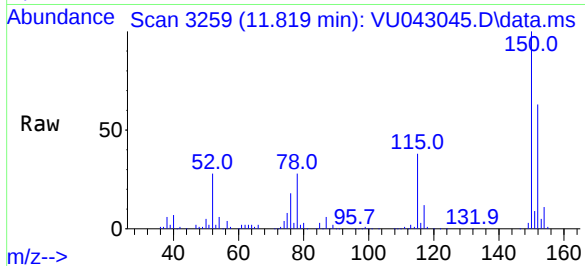




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

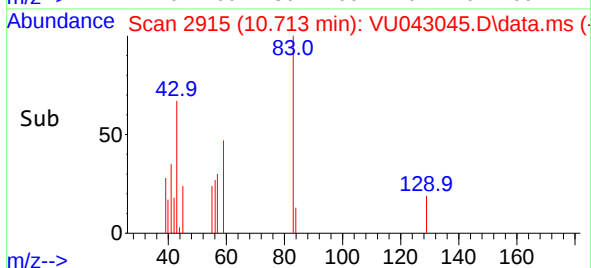
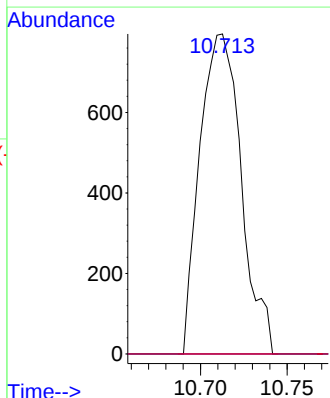
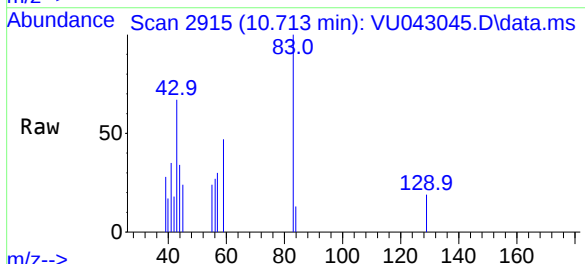
Instrument :
MSVOA_U
ClientSampleId :

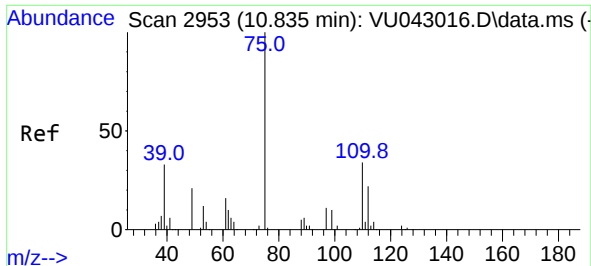
Tgt Ion:152 Resp: 106173
Ion Ratio Lower Upper
152 100
115 59.5 41.5 124.6
150 159.4 0.0 342.4



#75
1,1,2,2-Tetrachloroethane
Concen: 0.43 ug/l
RT: 10.713 min Scan# 2915
Delta R.T. -0.077 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

Tgt Ion: 83 Resp: 1322
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.2#
85 0.0 31.7 95.1#

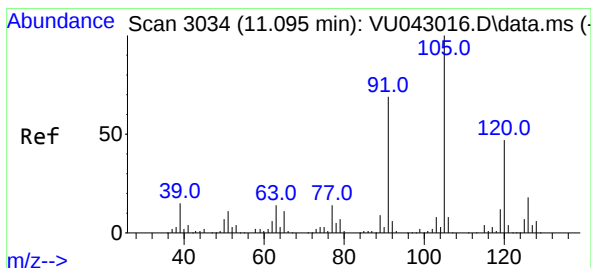
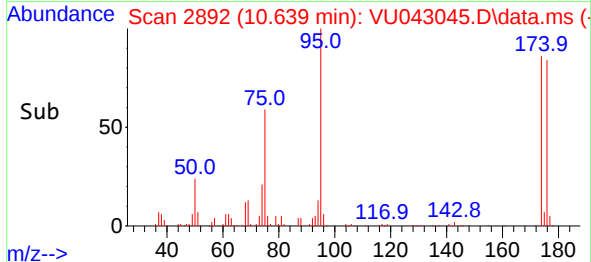
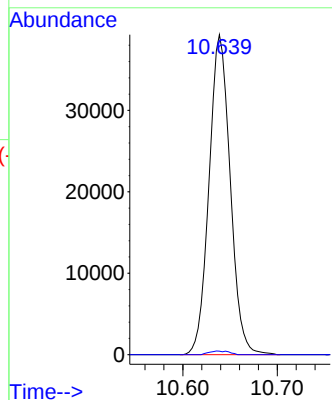
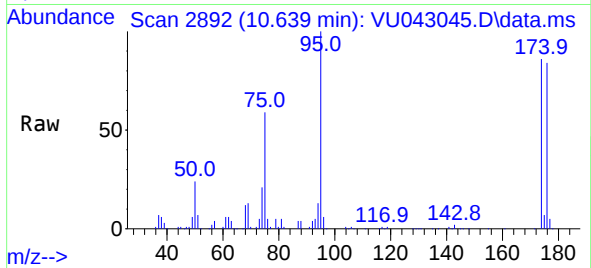




#76
1,2,3-Trichloropropane
Concen: 19.74 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

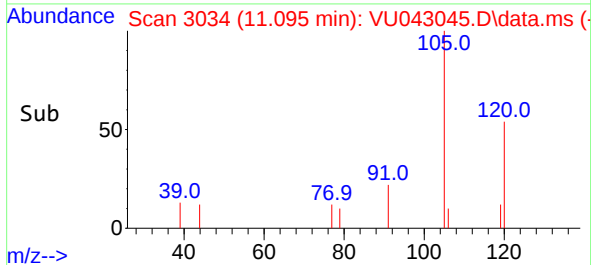
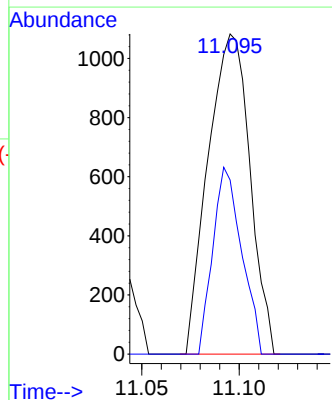
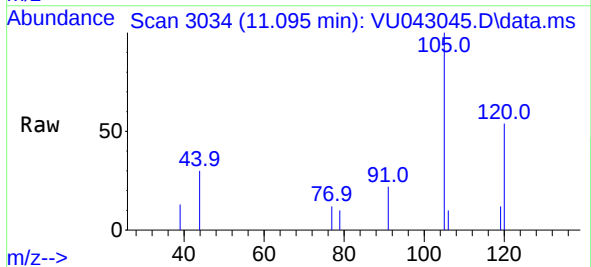
Instrument :
MSVOA_U
ClientSampled :

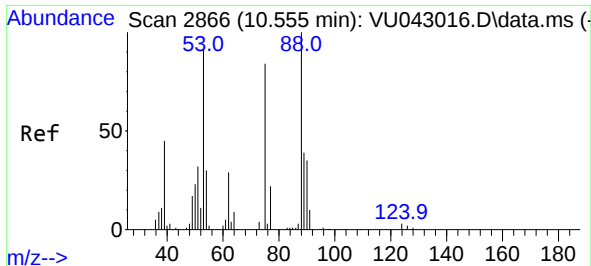
Tgt Ion: 75 Resp: 61233
Ion Ratio Lower Upper
75 100
77 1.1 20.2 60.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.26 ug/l
RT: 11.095 min Scan# 3034
Delta R.T. 0.000 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

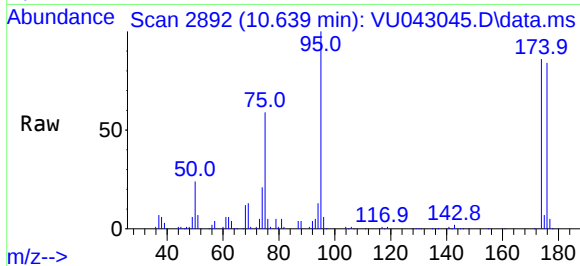
Tgt Ion: 105 Resp: 1617
Ion Ratio Lower Upper
105 100
120 40.0 23.8 71.4



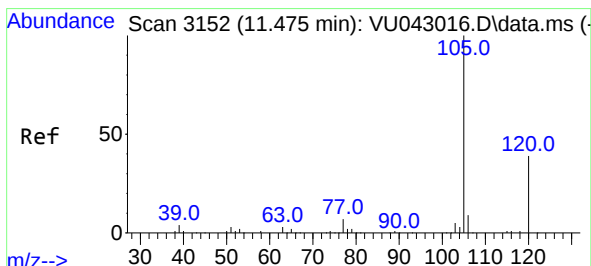
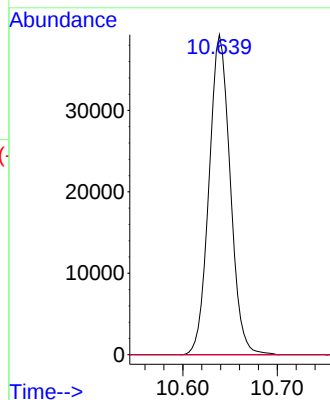
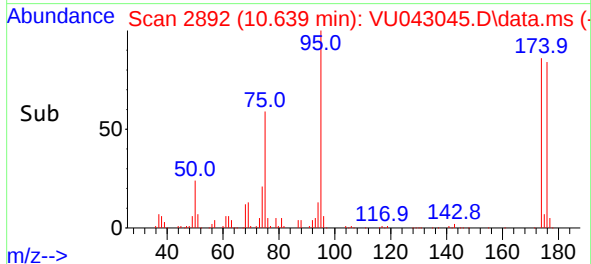


#81
trans-1,4-Dichloro-2-butene
Concen: 57.99 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

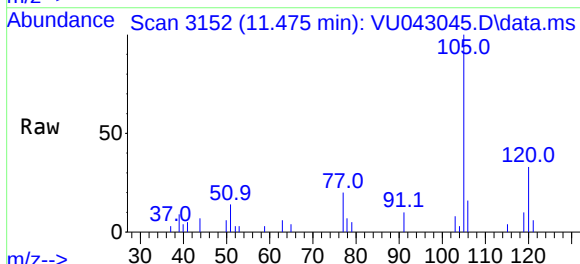
Instrument :
MSVOA_U
ClientSampleId :



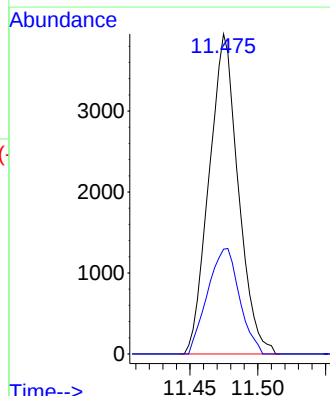
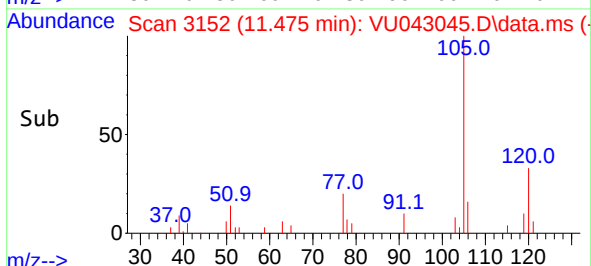
Tgt Ion: 75 Resp: 61233
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#

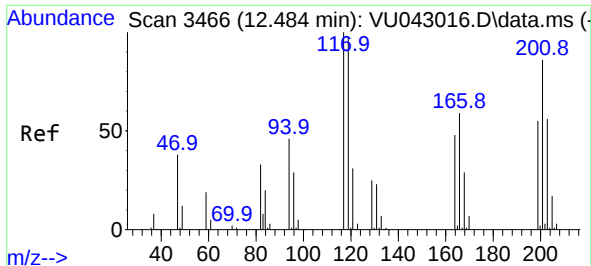


#84
1,2,4-Trimethylbenzene
Concen: 0.92 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46



Tgt Ion: 105 Resp: 5914
Ion Ratio Lower Upper
105 100
120 35.9 22.3 66.8

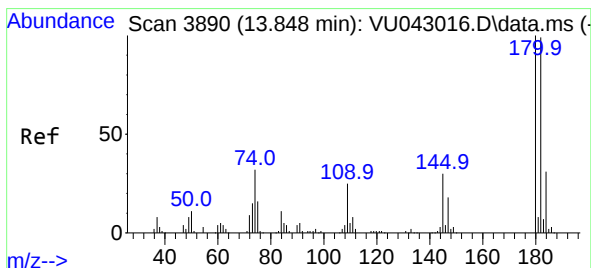
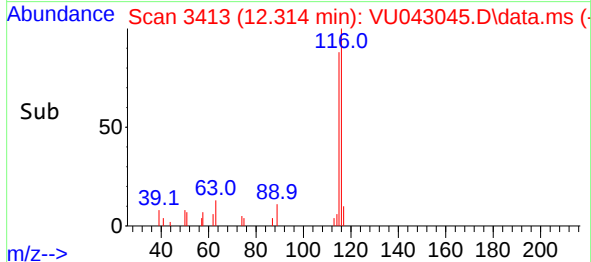
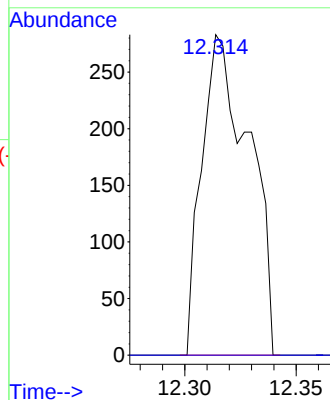
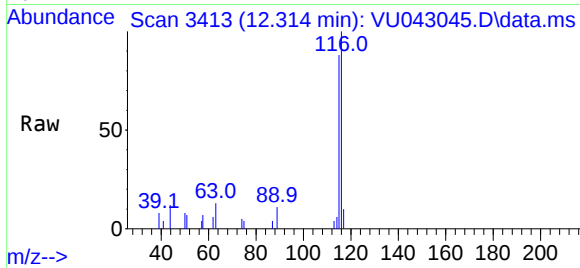




#90
Hexachloroethane
Concen: 0.33 ug/l
RT: 12.314 min Scan# 3413
Delta R.T. -0.170 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

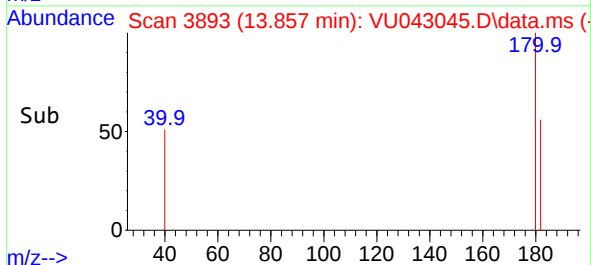
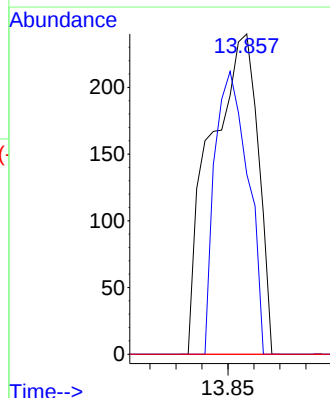
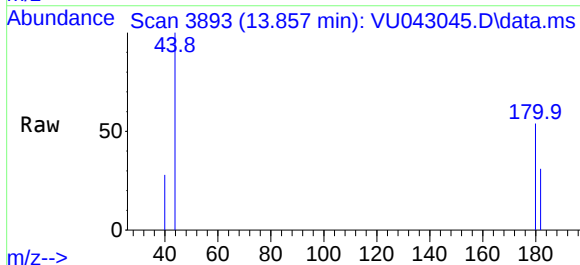
Instrument :
MSVOA_U
ClientSampled :

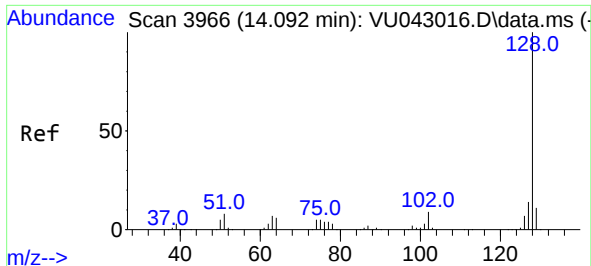
Tgt Ion:117 Resp: 418
Ion Ratio Lower Upper
117 100
201 0.0 43.5 130.7#



#93
1,2,4-Trichlorobenzene
Concen: 1.63 ug/l
RT: 13.857 min Scan# 3893
Delta R.T. 0.009 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

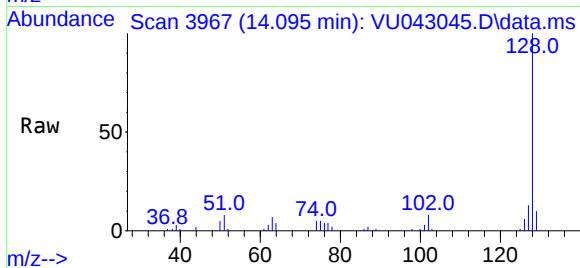
Tgt Ion:180 Resp: 304
Ion Ratio Lower Upper
180 100
182 61.5 46.9 140.8
145 0.0 14.4 43.4#



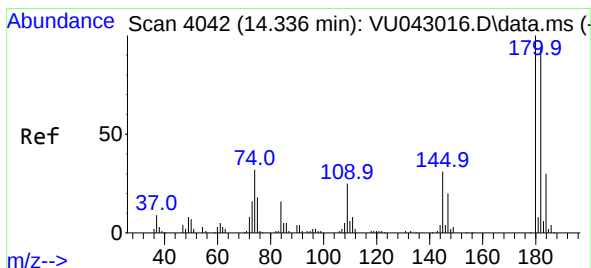
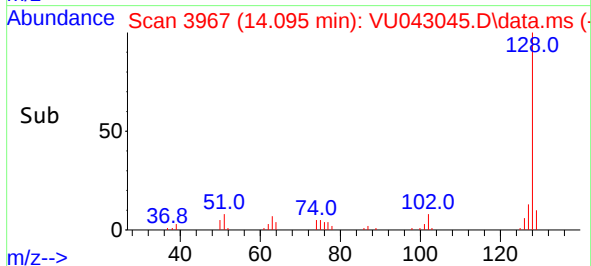
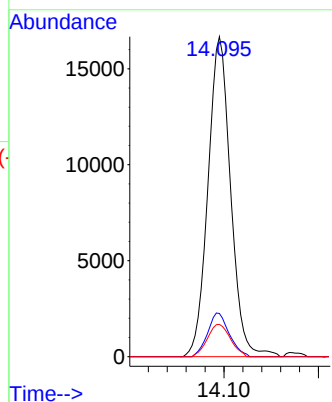


#95
Naphthalene
Concen: 6.15 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

Instrument :
MSVOA_U
ClientSampled :



Tgt Ion:128 Resp: 27709
Ion Ratio Lower Upper
128 100
127 13.1 10.8 16.2
129 10.3 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.56 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. 0.000 min
Lab File: VU043045.D
Acq: 13 Apr 2021 12:46

Tgt Ion:180 Resp: 245
Ion Ratio Lower Upper
180 100
182 86.5 48.0 144.0
145 0.0 15.5 46.5#

