

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110221\
 Data File : VU045506.D
 Acq On : 01 Nov 2021 22:45
 Operator : SY/MD
 Sample : M4438-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FDR-20211101-WC-LM

Quant Time: Nov 02 07:39:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 29 11:09:42 2021
 Response via : Initial Calibration

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

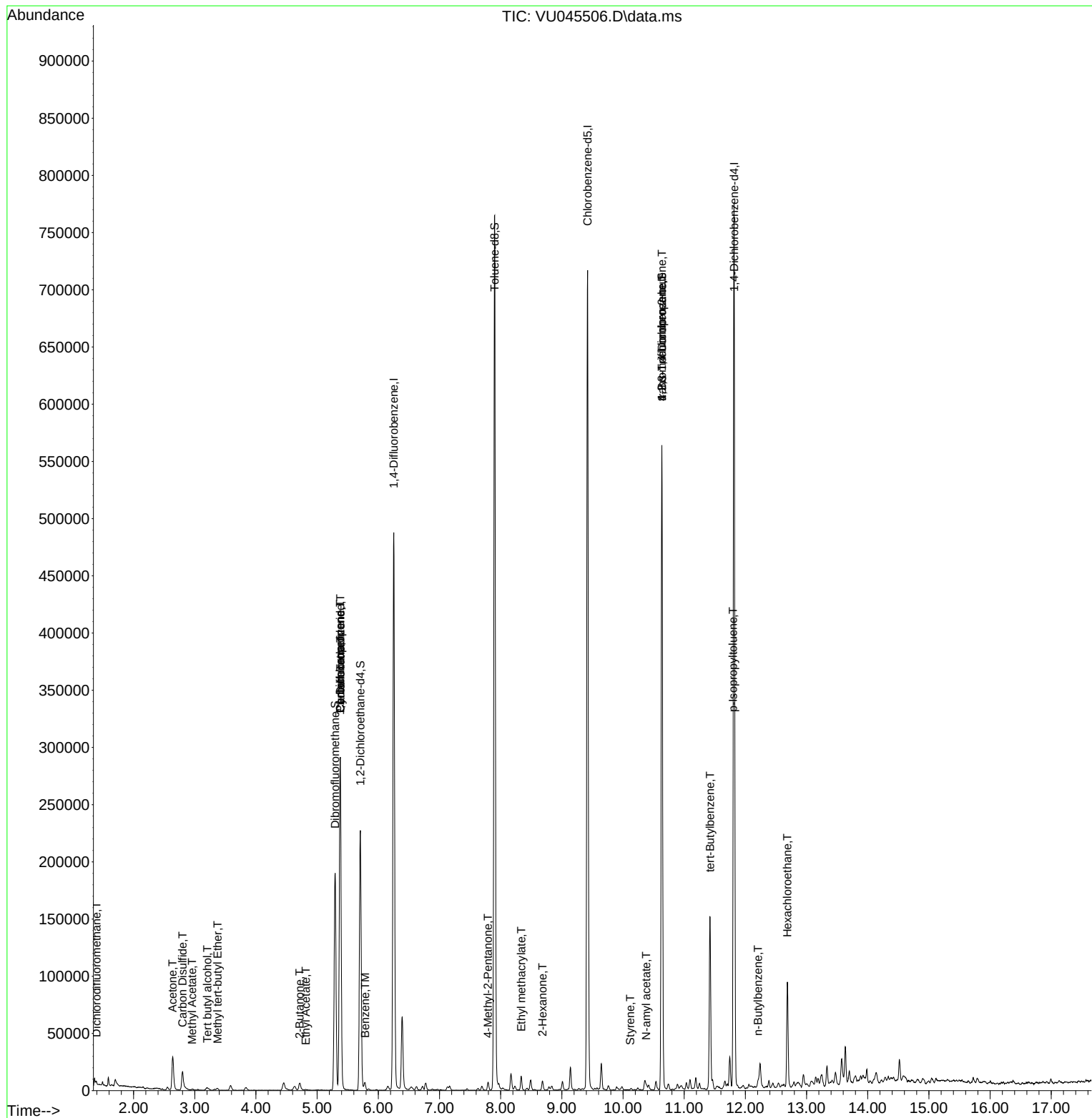
Internal Standards						
1) Pentafluorobenzene	5.379	168	196992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	388998	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	387883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	190692	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	169223	52.765	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.540%
35) Dibromofluoromethane	5.295	113	124504	50.337	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.680%
50) Toluene-d8	7.903	98	502548	51.813	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.620%
62) 4-Bromofluorobenzene	10.636	95	194469	52.616	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.240%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.395	85	45	0.392	ug/l #	43
11) Tert butyl alcohol	3.205	59	2998	4.331	ug/l #	79
16) Acetone	2.639	43	38120	26.182	ug/l	99
17) Carbon Disulfide	2.800	76	16024	2.447	ug/l	98
18) Methyl Acetate	2.958	43	1477	0.272	ug/l #	72
19) Methyl tert-butyl Ether	3.372	73	1909	0.231	ug/l	98
25) 2-Butanone	4.713	43	10347	4.707	ug/l	99
31) Cyclohexane	5.379	56	4771	0.999	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	17850	4.820	ug/l #	49
37) Ethyl Acetate	4.816	43	1651	0.368	ug/l #	67
38) Carbon Tetrachloride	5.379	117	19828	6.140	ug/l #	16
40) Benzene	5.784	78	6045	0.542	ug/l	97
51) 4-Methyl-2-Pentanone	7.793	43	4995	1.143	ug/l	94
56) Ethyl methacrylate	8.337	69	6386	2.861	ug/l	93
59) 2-Hexanone	8.684	43	2853	0.843	ug/l	64
70) Styrene	10.118	104	187	0.996	ug/l #	25
74) N-amyl acetate	10.378	43	6066	2.044	ug/l #	56
76) 1,2,3-Trichloropropane	10.636	75	100364	19.754	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.636	75	100364	54.901	ug/l #	12
83) tert-Butylbenzene	11.423	119	69800	6.683	ug/l	89
86) p-Isopropyltoluene	11.800	119	503	0.229	ug/l #	1
89) n-Butylbenzene	12.208	91	455	0.976	ug/l #	54
90) Hexachloroethane	12.687	117	2256	1.153	ug/l #	16

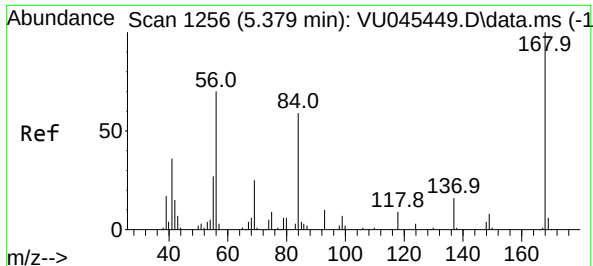
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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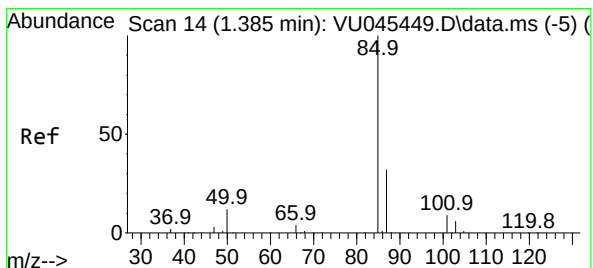
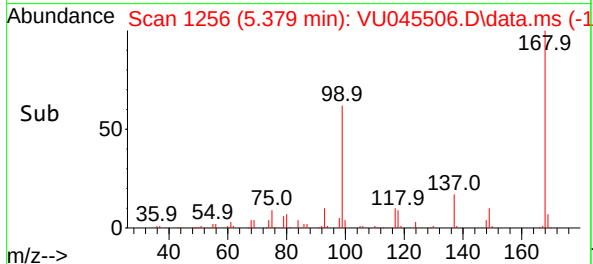
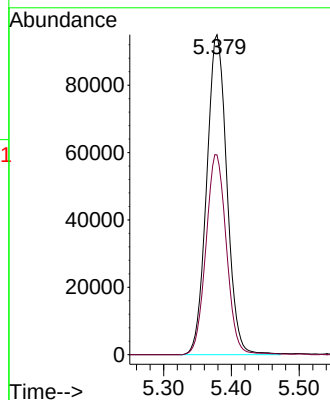
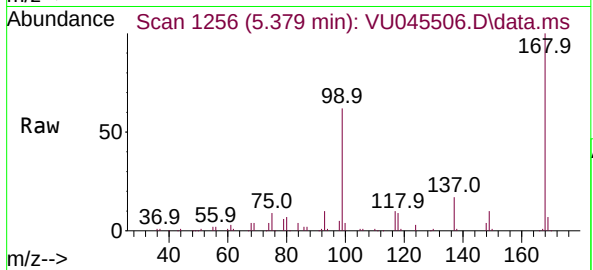




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

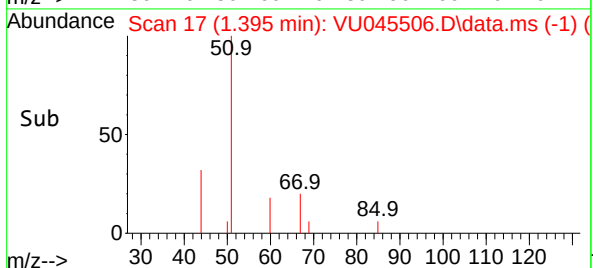
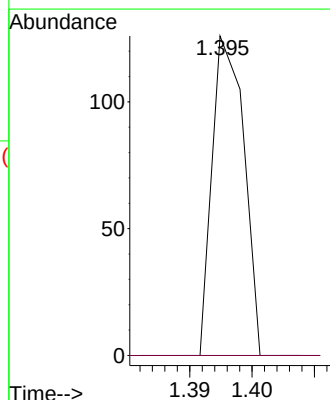
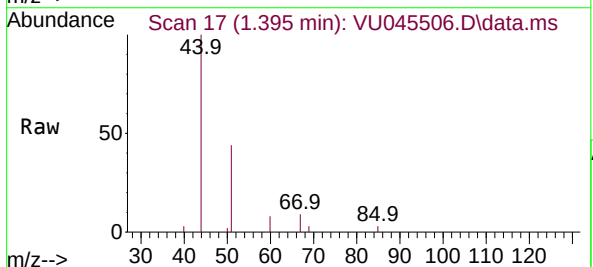
Instrument :
MSVOA_U
ClientSampleId :
FDR-20211101-WC-LM

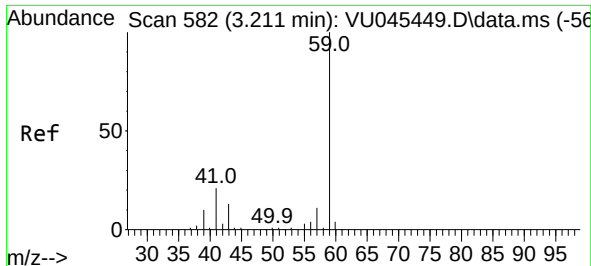
Tgt Ion:168 Resp: 196992
Ion Ratio Lower Upper
168 100
99 62.5 51.0 76.6



#2
Dichlorodifluoromethane
Concen: 0.392 ug/l
RT: 1.395 min Scan# 17
Delta R.T. 0.010 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

Tgt Ion: 85 Resp: 45
Ion Ratio Lower Upper
85 100
87 0.0 15.9 47.7#





#11

Tert butyl alcohol

Concen: 4.331 ug/l

RT: 3.205 min Scan# 582

Delta R.T. -0.006 min

Lab File: VU045506.D

Acq: 01 Nov 2021 22:45

Instrument :

MSVOA_U

ClientSampleId :

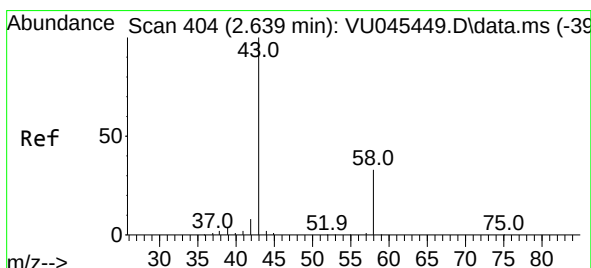
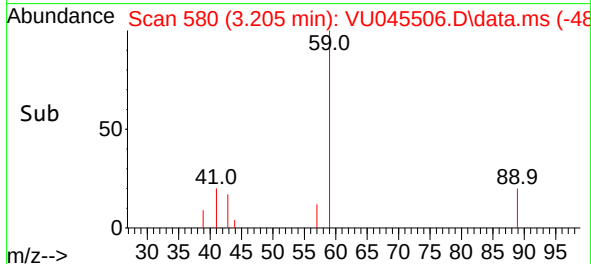
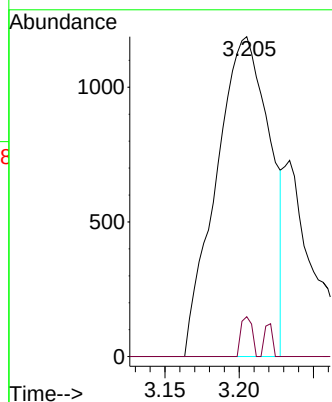
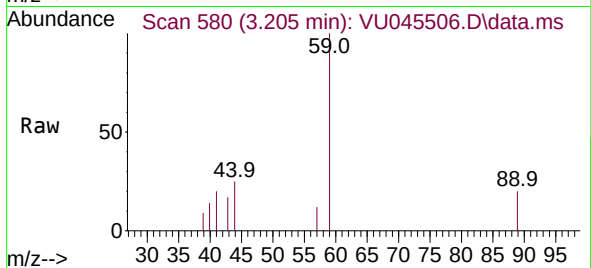
FDR-20211101-WC-LM

Tgt Ion: 59 Resp: 2998

Ion Ratio Lower Upper

59 100

57 2.6 8.3 12.5#



#16

Acetone

Concen: 26.182 ug/l

RT: 2.639 min Scan# 404

Delta R.T. 0.000 min

Lab File: VU045506.D

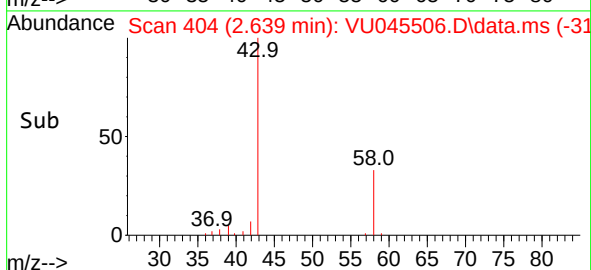
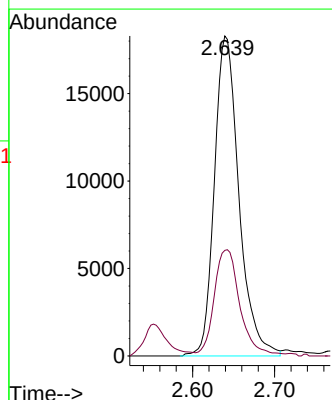
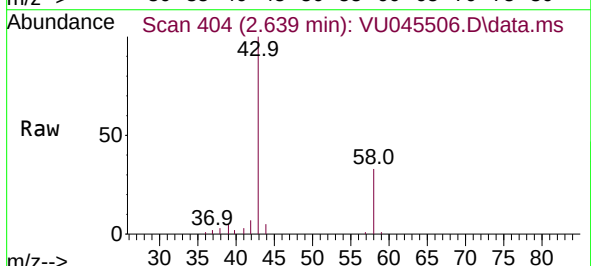
Acq: 01 Nov 2021 22:45

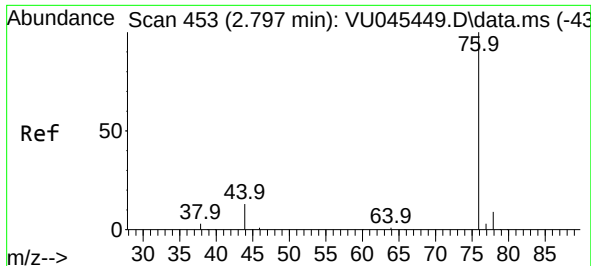
Tgt Ion: 43 Resp: 38120

Ion Ratio Lower Upper

43 100

58 32.2 26.2 39.2

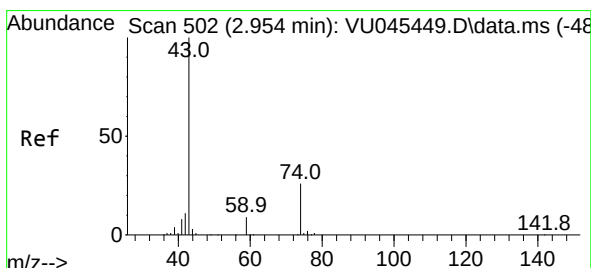
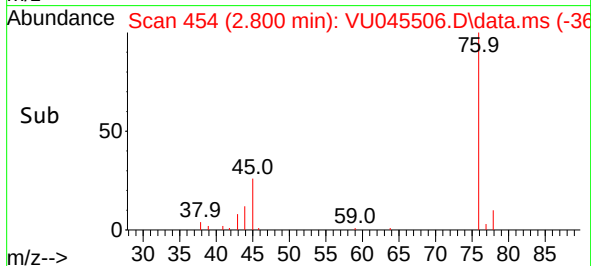
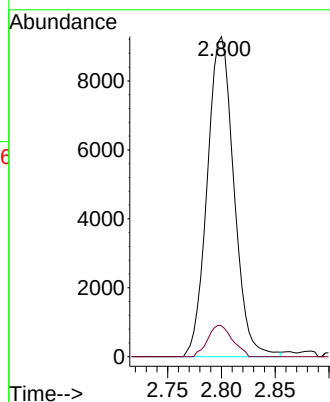
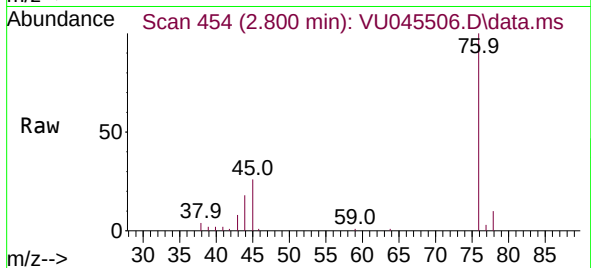




#17
Carbon Disulfide
Concen: 2.447 ug/l
RT: 2.800 min Scan# 41
Delta R.T. 0.003 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

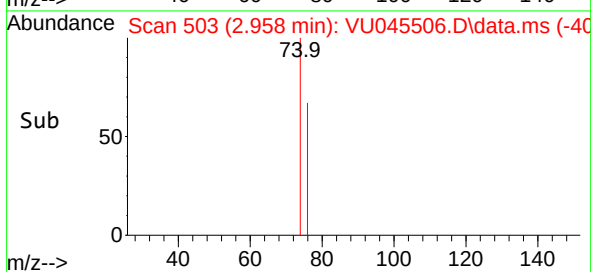
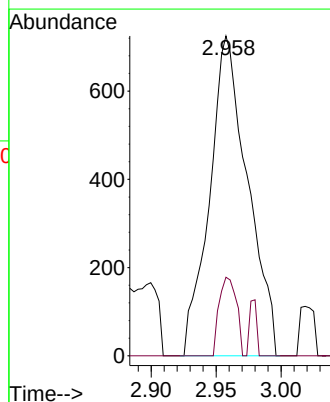
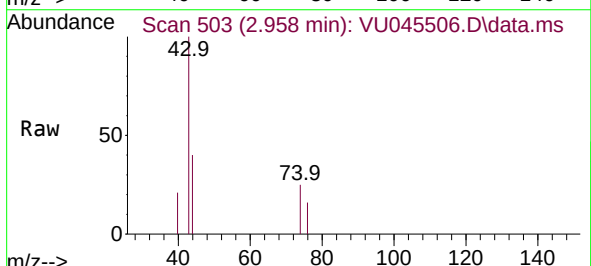
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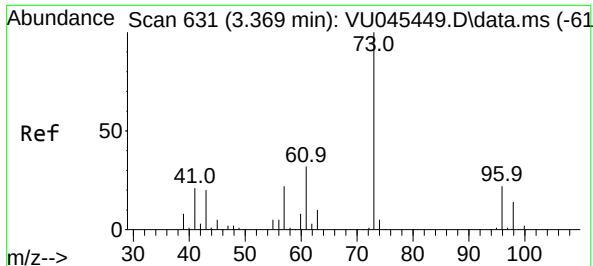
Tgt Ion: 76 Resp: 16024
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9



#18
Methyl Acetate
Concen: 0.272 ug/l
RT: 2.958 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

Tgt Ion: 43 Resp: 1477
Ion Ratio Lower Upper
43 100
74 11.1 20.2 30.2#

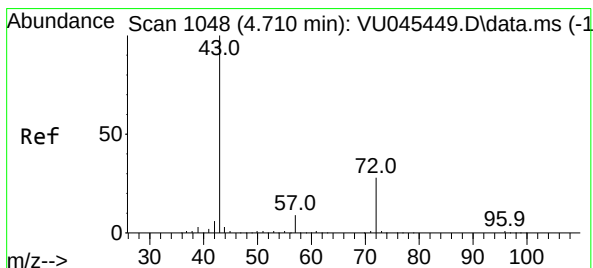
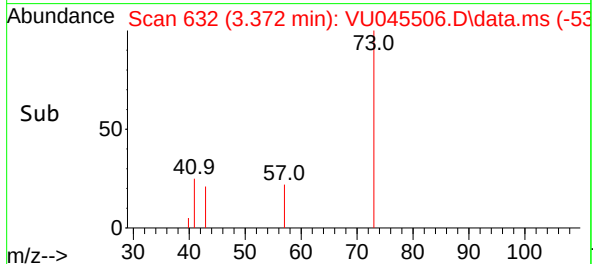
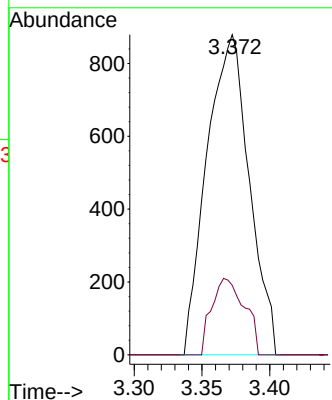
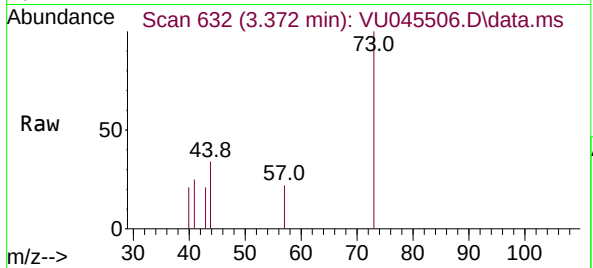




#19
Methyl tert-butyl Ether
Concen: 0.231 ug/l
RT: 3.372 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

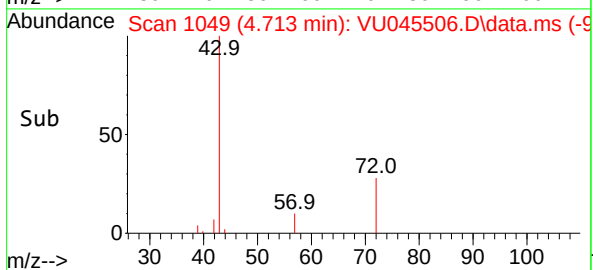
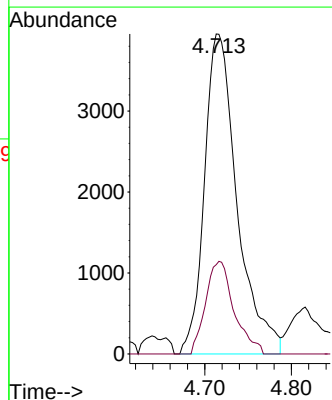
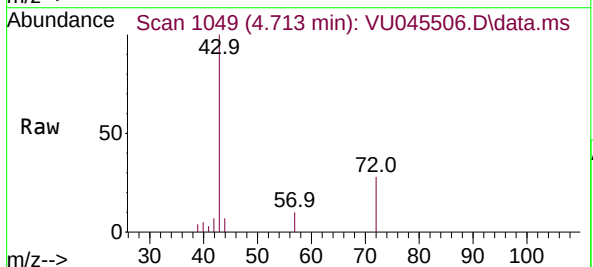
Instrument :
MSVOA_U
ClientSampleId :
FDR-20211101-WC-LM

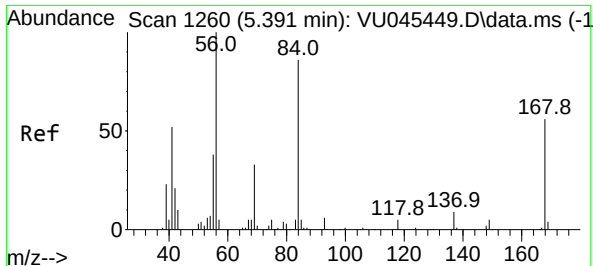
Tgt Ion: 73 Resp: 1909
Ion Ratio Lower Upper
73 100
57 21.7 18.1 27.1



#25
2-Butanone
Concen: 4.707 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

Tgt Ion: 43 Resp: 10347
Ion Ratio Lower Upper
43 100
72 27.9 22.0 33.0

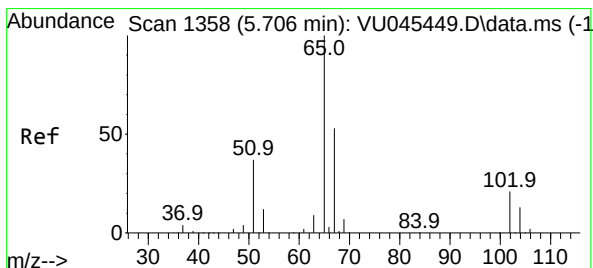
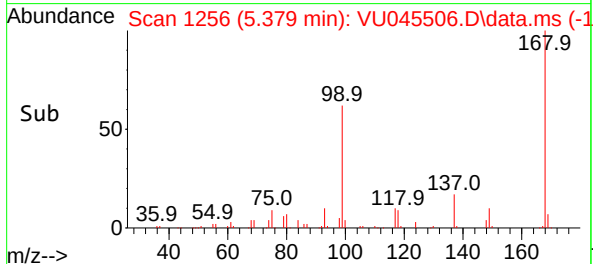
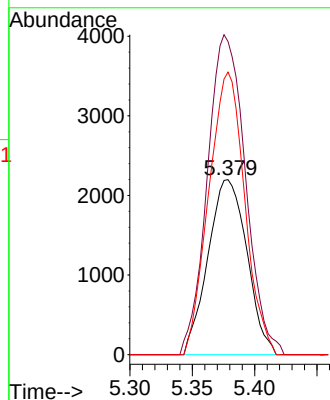
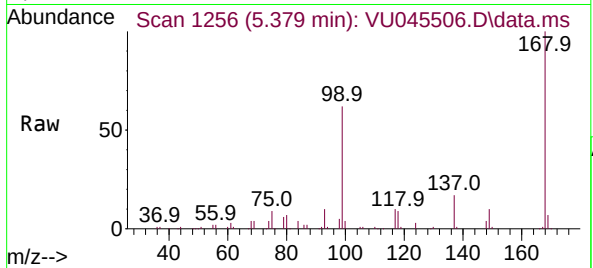




#31
Cyclohexane
Concen: 0.999 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.013 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

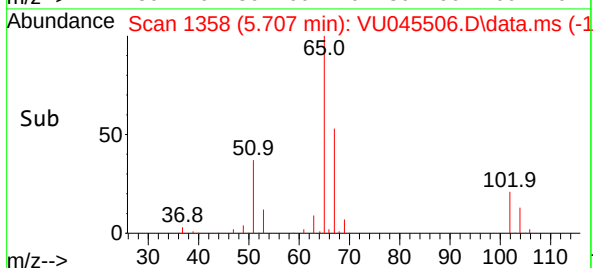
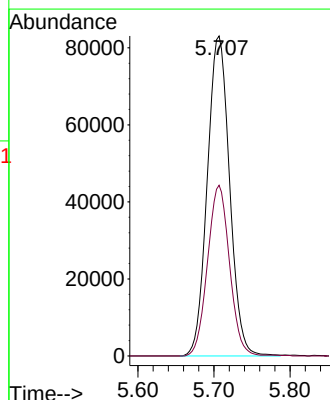
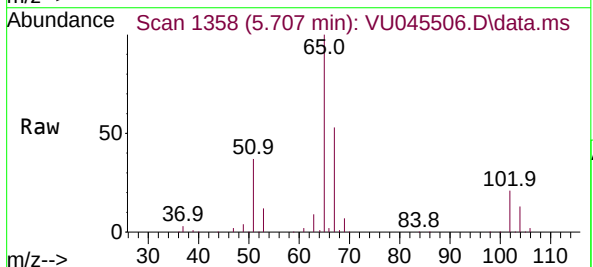
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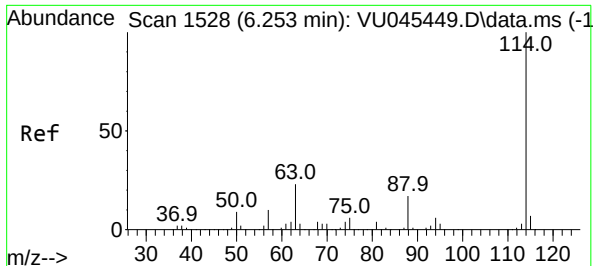
Tgt Ion: 56 Resp: 4771
Ion Ratio Lower Upper
56 100
69 179.0 26.4 39.6#
84 161.5 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 52.765 ug/l
RT: 5.707 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

Tgt Ion: 65 Resp: 169223
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU045506.D

Acq: 01 Nov 2021 22:45

Instrument :

MSVOA_U

ClientSampleId :

FDR-20211101-WC-LM

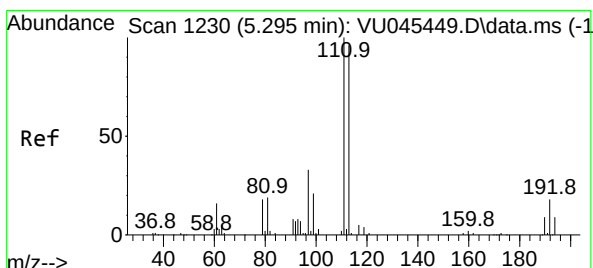
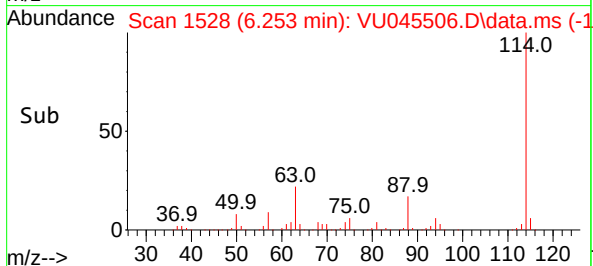
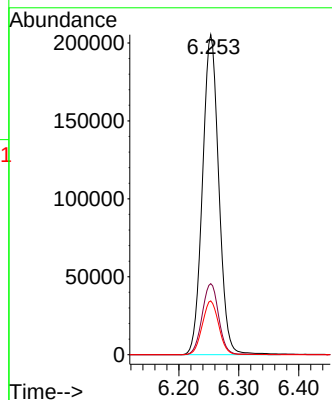
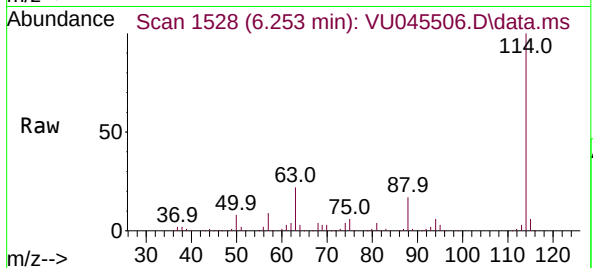
Tgt Ion:114 Resp: 388998

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.6

88 16.8 0.0 33.8



#35

Dibromofluoromethane

Concen: 50.337 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VU045506.D

Acq: 01 Nov 2021 22:45

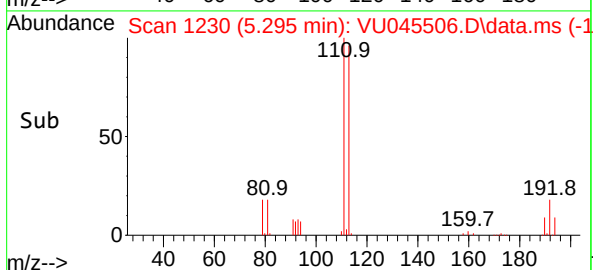
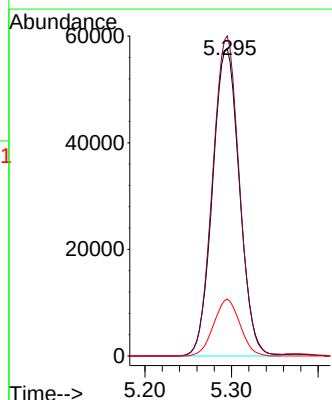
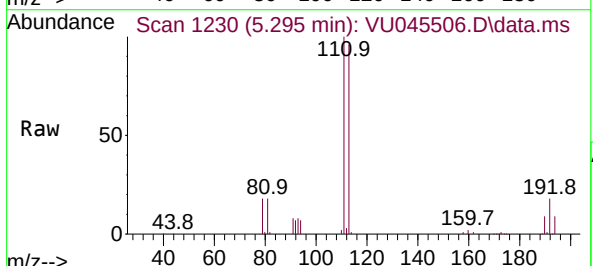
Tgt Ion:113 Resp: 124504

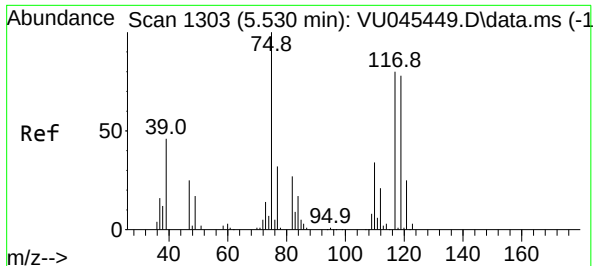
Ion Ratio Lower Upper

113 100

111 103.2 82.8 124.2

192 18.0 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.820 ug/l

RT: 5.375 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU045506.D

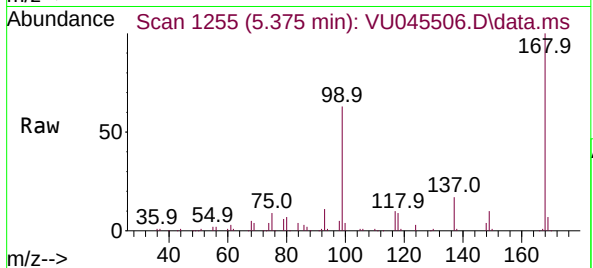
Acq: 01 Nov 2021 22:45

Instrument :

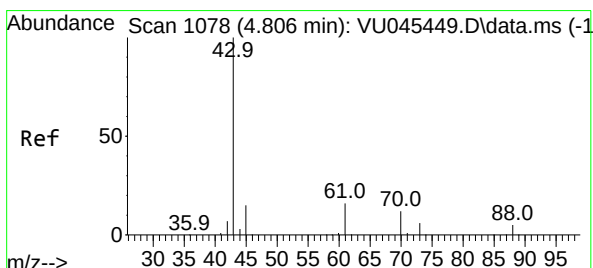
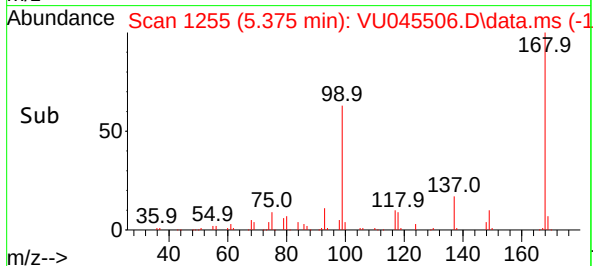
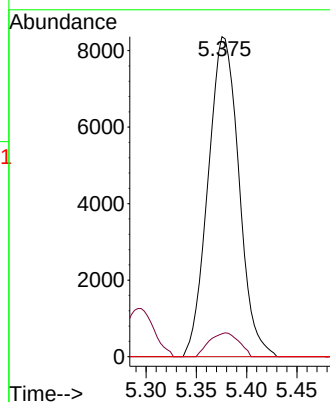
MSVOA_U

ClientSampleId :

FDR-20211101-WC-LM



Tgt Ion:	75	Resp:	17850
Ion	Ratio	Lower	Upper
75	100		
110	7.1	16.7	50.0#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 0.368 ug/l

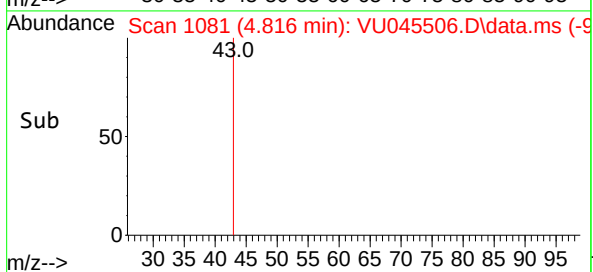
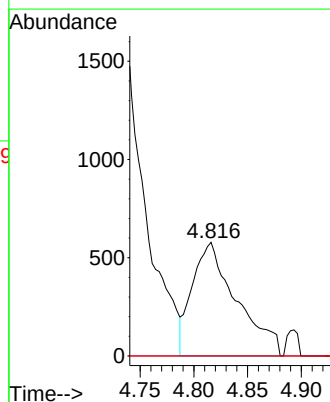
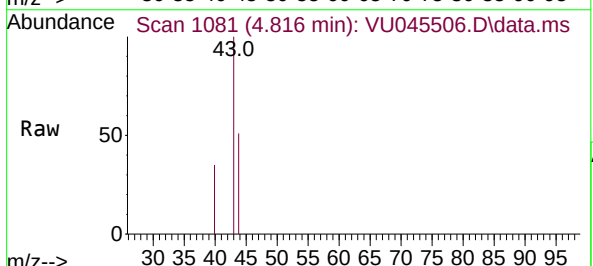
RT: 4.816 min Scan# 1081

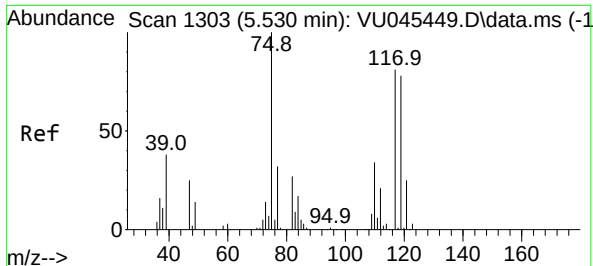
Delta R.T. 0.010 min

Lab File: VU045506.D

Acq: 01 Nov 2021 22:45

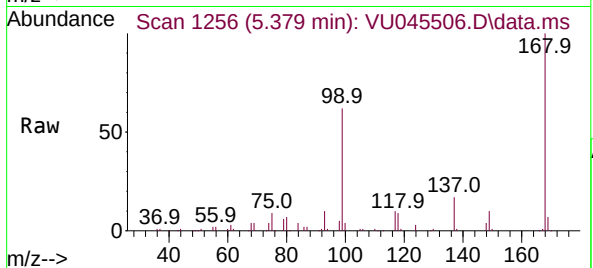
Tgt Ion:	43	Resp:	1651
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	9.1	13.7#



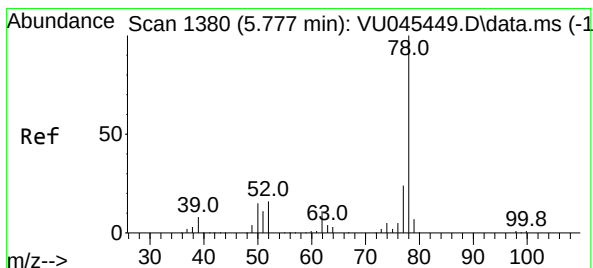
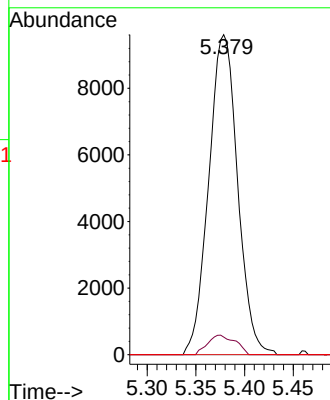
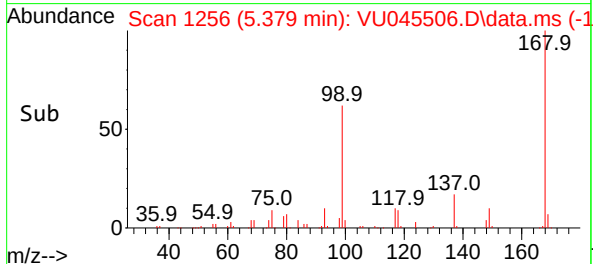


#38
Carbon Tetrachloride
Concen: 6.140 ug/l
RT: 5.379 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

Instrument :
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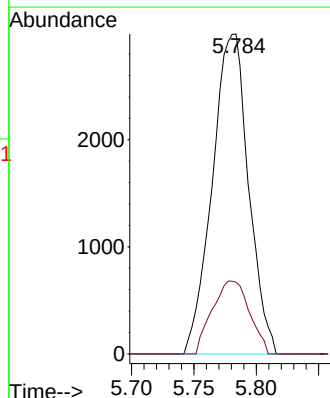
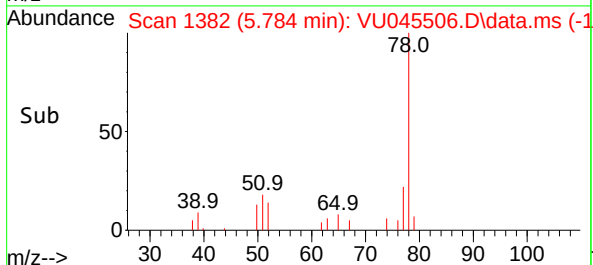
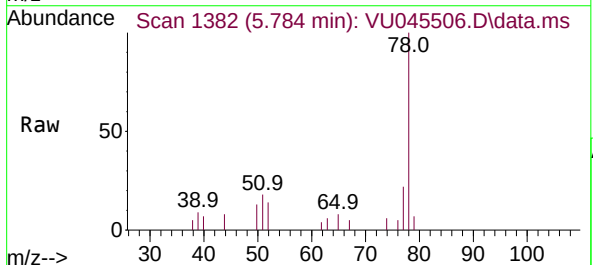


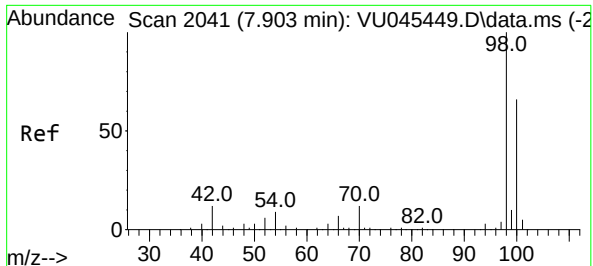
Tgt Ion:117 Resp: 19828
Ion Ratio Lower Upper
117 100
119 5.5 77.4 116.0#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 0.542 ug/l
RT: 5.784 min Scan# 1382
Delta R.T. 0.007 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

Tgt Ion: 78 Resp: 6045
Ion Ratio Lower Upper
78 100
77 22.4 19.0 28.4

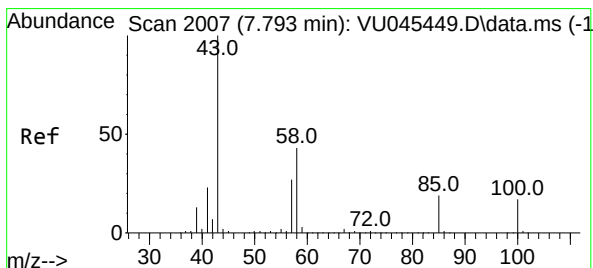
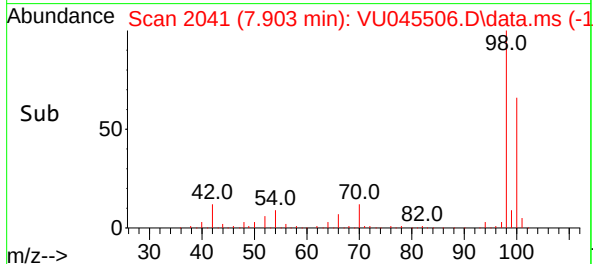
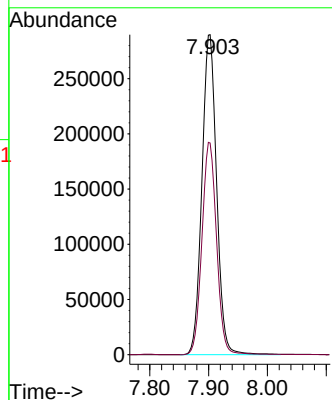
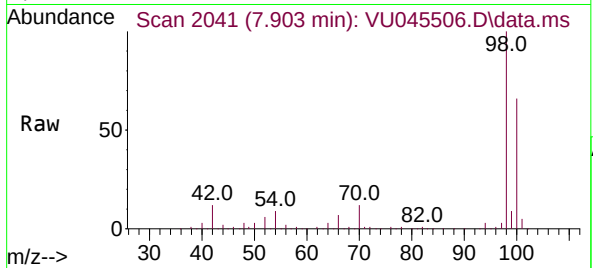




#50
Toluene-d8
Concen: 51.813 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

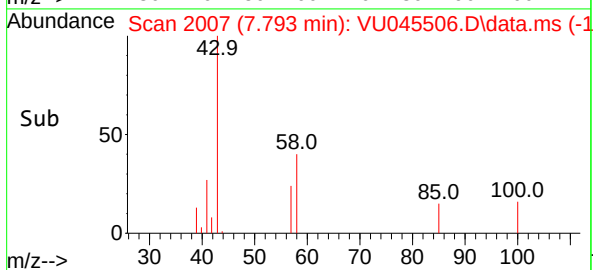
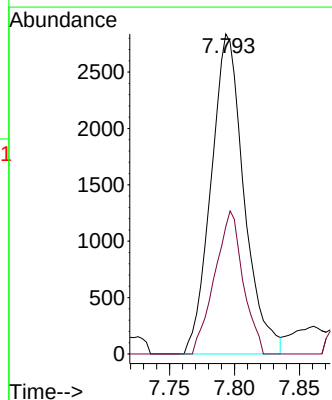
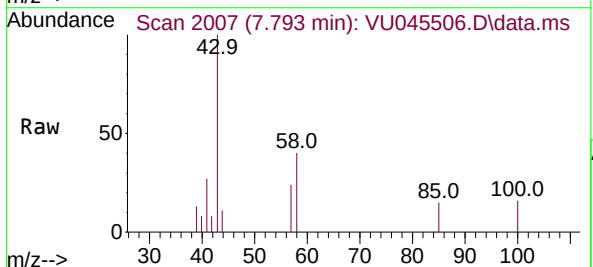
Instrument :
MSVOA_U
ClientSampleId :
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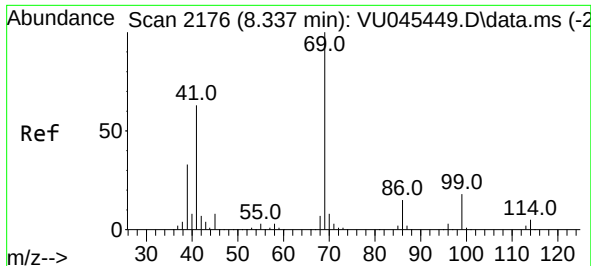
Tgt Ion: 98 Resp: 502548
Ion Ratio Lower Upper
98 100
100 66.1 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.143 ug/l
RT: 7.793 min Scan# 2007
Delta R.T. 0.000 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

Tgt Ion: 43 Resp: 4995
Ion Ratio Lower Upper
43 100
58 38.5 33.8 50.8

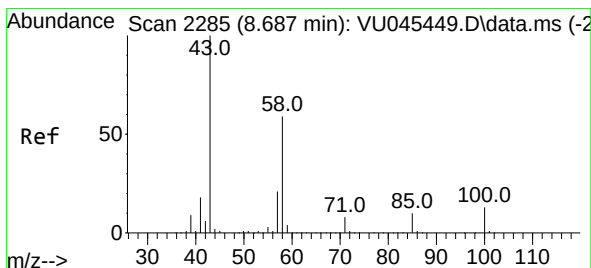
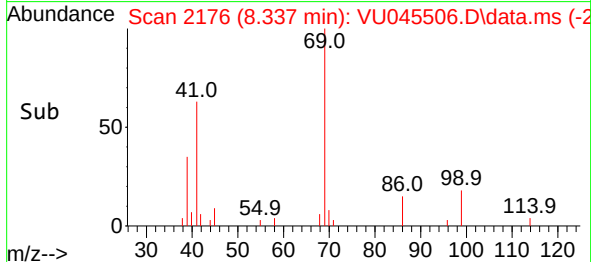
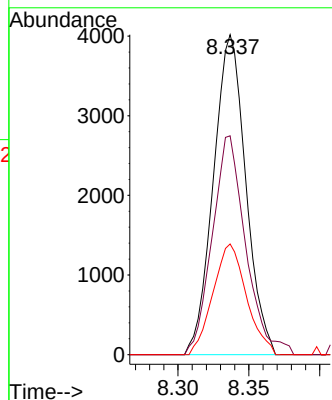
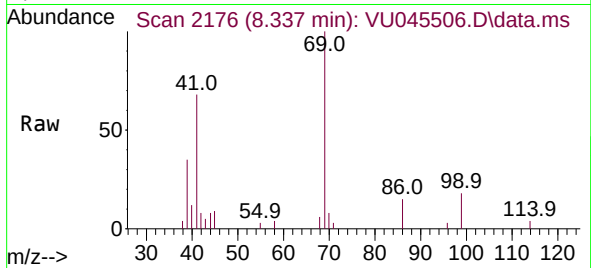




#56
Ethyl methacrylate
Concen: 2.861 ug/l
RT: 8.337 min Scan# 2176
Delta R.T. -0.000 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

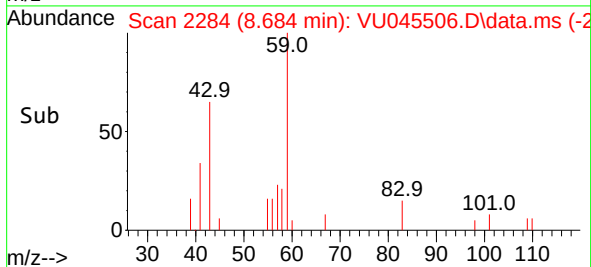
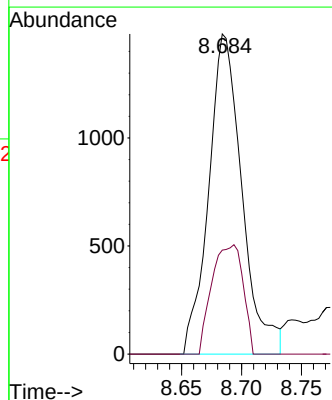
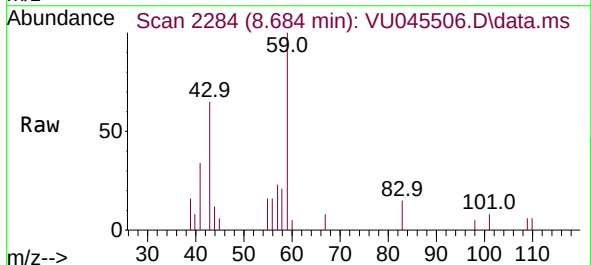
Instrument :
MSVOA_U
ClientSampleId :
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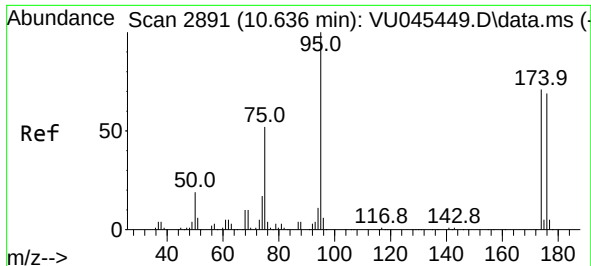
Tgt Ion: 69 Resp: 6386
Ion Ratio Lower Upper
69 100
41 70.7 51.0 76.4
39 35.8 26.6 39.8



#59
2-Hexanone
Concen: 0.843 ug/l
RT: 8.684 min Scan# 2284
Delta R.T. -0.003 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

Tgt Ion: 43 Resp: 2853
Ion Ratio Lower Upper
43 100
58 31.9 29.5 88.6

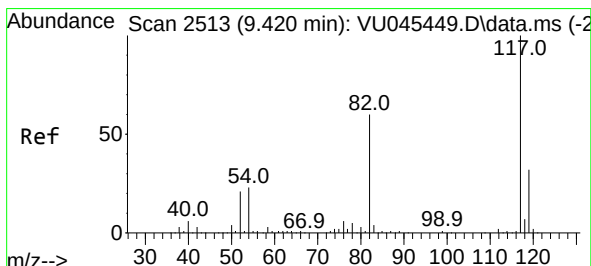
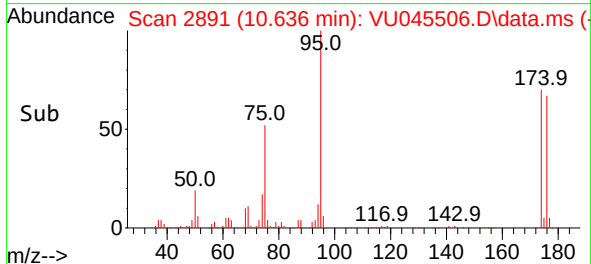
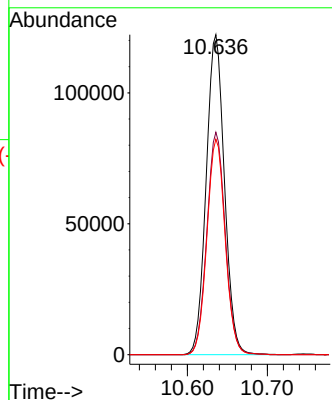
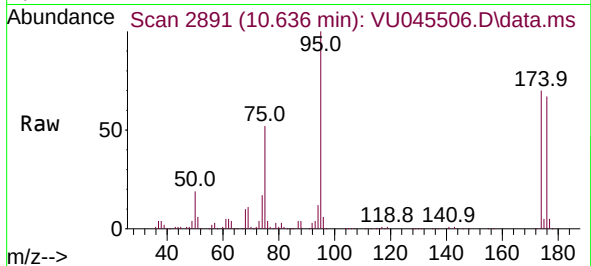




#62
4-Bromofluorobenzene
Concen: 52.616 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

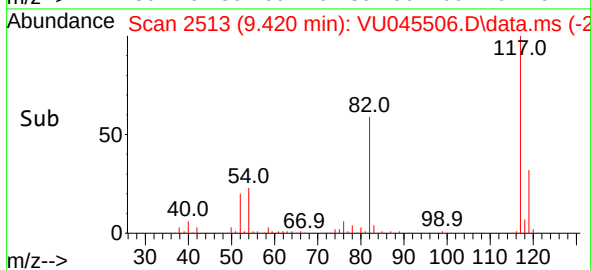
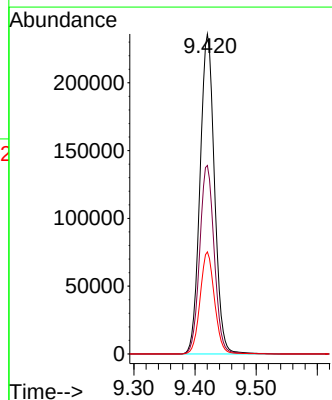
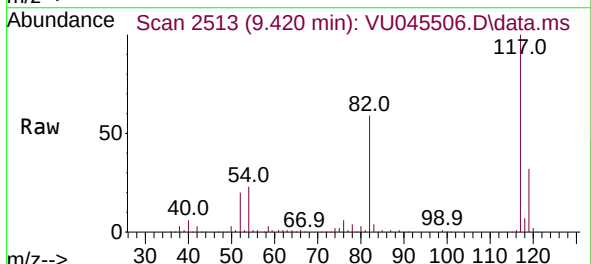
Instrument :
MSVOA_U
ClientSampleId :
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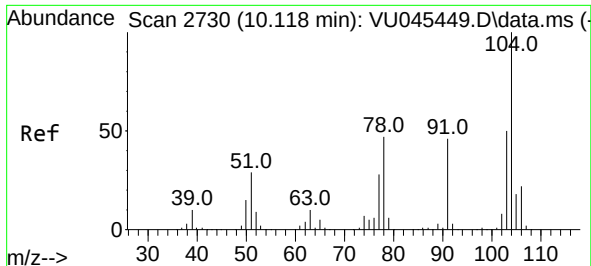
Tgt Ion: 95 Resp: 194469
Ion Ratio Lower Upper
95 100
174 70.1 0.0 141.8
176 67.4 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

Tgt Ion: 117 Resp: 387883
Ion Ratio Lower Upper
117 100
82 58.9 47.8 71.8
119 31.9 25.8 38.8

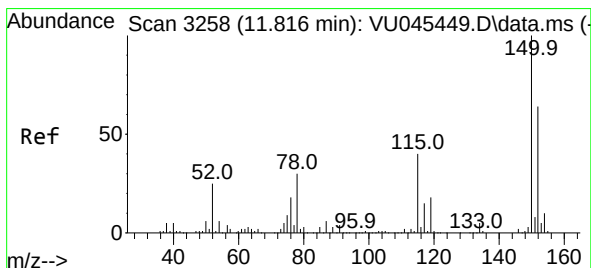
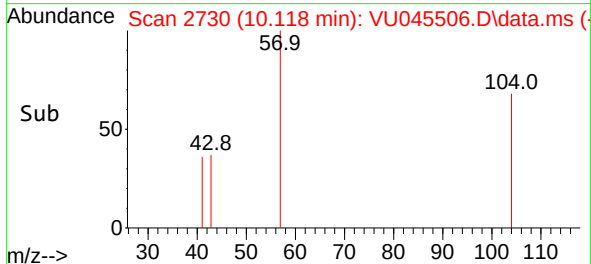
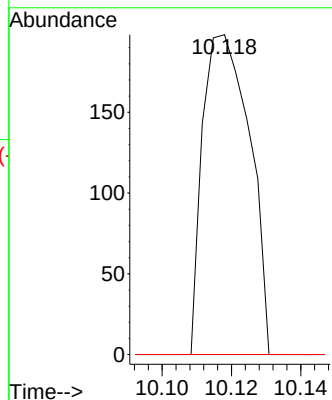
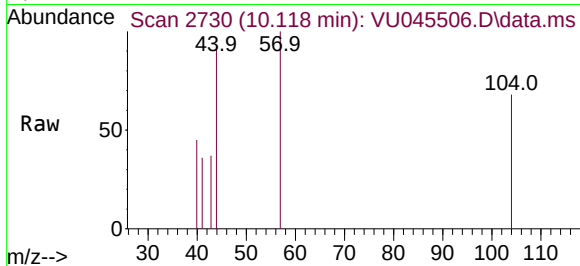




#70
Styrene
Concen: 0.996 ug/l
RT: 10.118 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

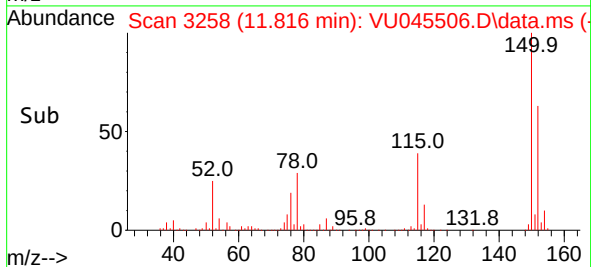
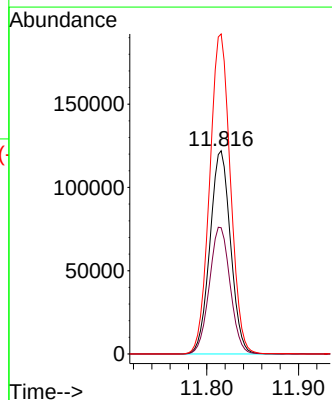
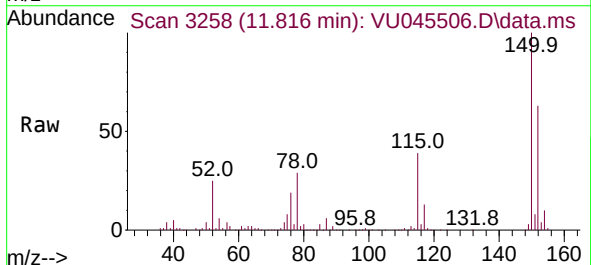
Instrument :
MSVOA_U
ClientSampleId :
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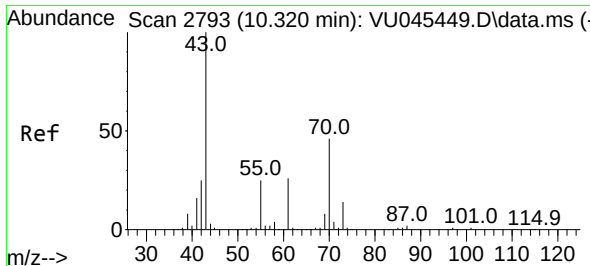
Tgt Ion:104 Resp: 187
Ion Ratio Lower Upper
104 100
78 0.0 41.8 62.6#
103 0.0 43.8 65.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

Tgt Ion:152 Resp: 190692
Ion Ratio Lower Upper
152 100
115 62.9 42.7 128.1
150 158.2 0.0 346.8

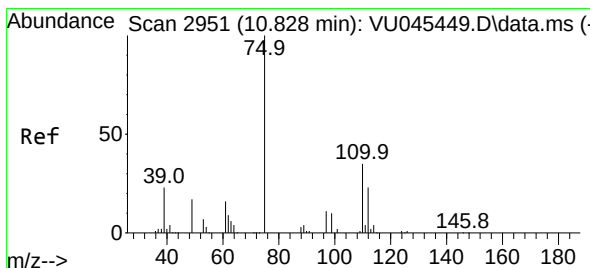
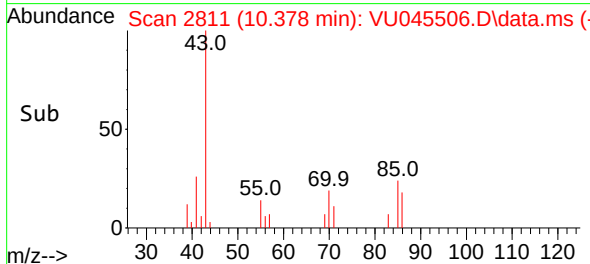
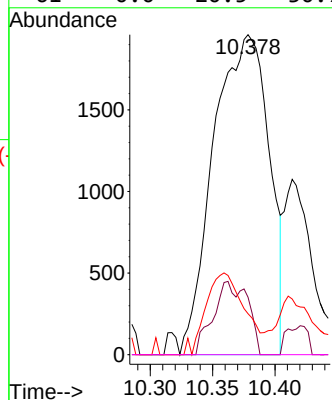
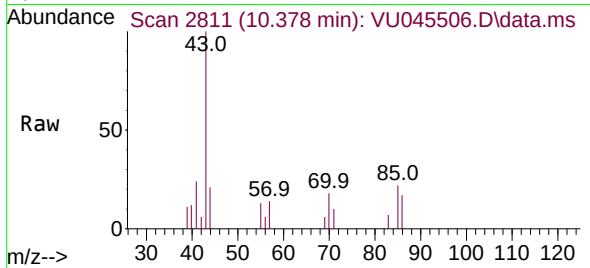




#74
N-amy1 acetate
Concen: 2.044 ug/l
RT: 10.378 min Scan# 2811
Delta R.T. 0.058 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

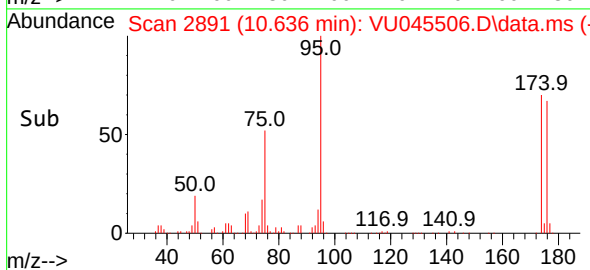
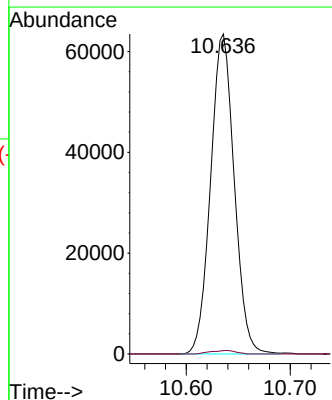
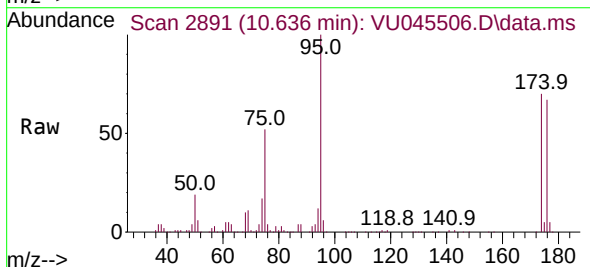
Instrument :
MSVOA_U
ClientSampleId :
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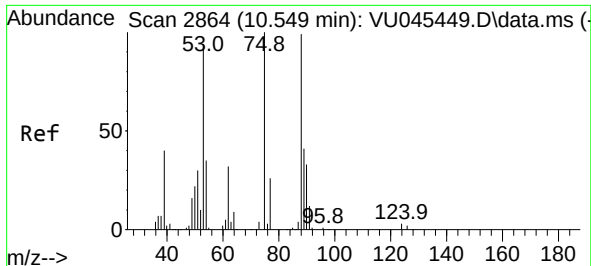
Tgt Ion: 43	Resp: 6066
Ion Ratio	Lower Upper
43	100
70	9.3 36.9 55.3#
55	18.1 20.6 31.0#
61	0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 19.754 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

Tgt Ion: 75	Resp: 100364
Ion Ratio	Lower Upper
75	100
77	1.2 17.1 51.3#

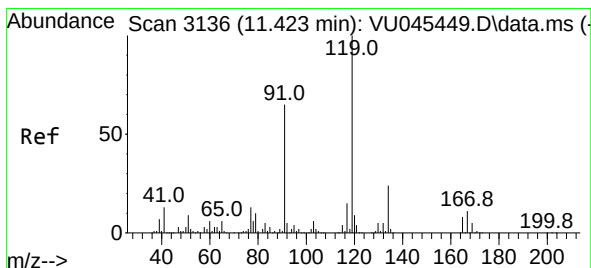
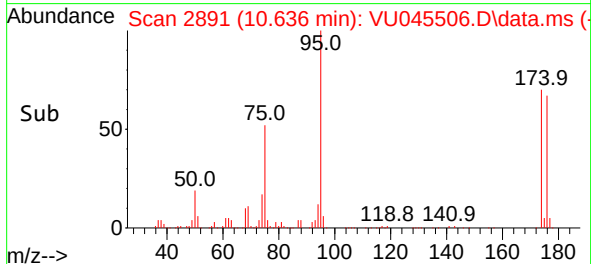
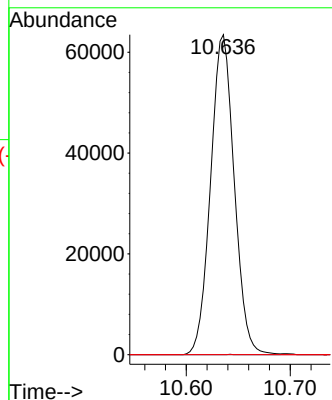
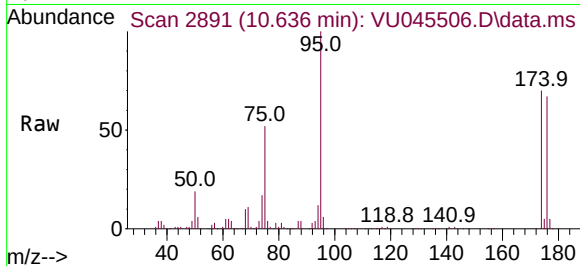




#81
trans-1,4-Dichloro-2-butene
Concen: 54.901 ug/l
RT: 10.636 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

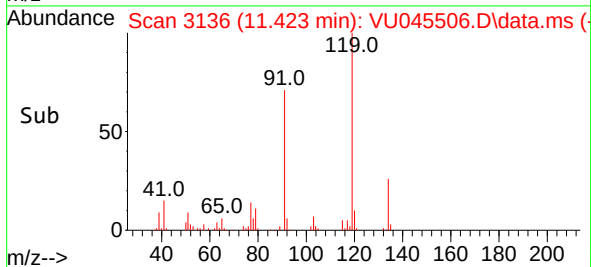
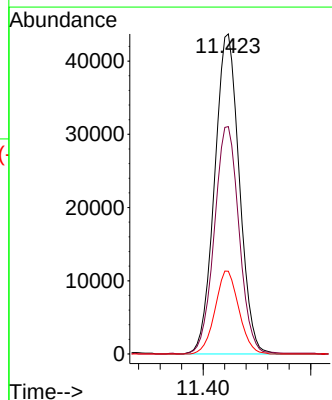
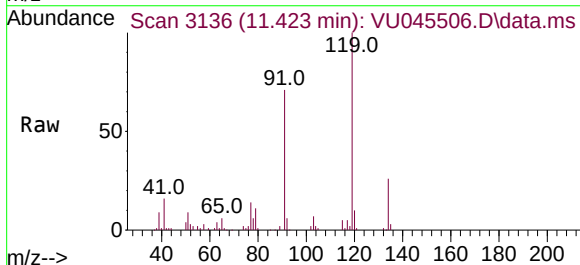
Instrument :
MSVOA_U
ClientSampleId :
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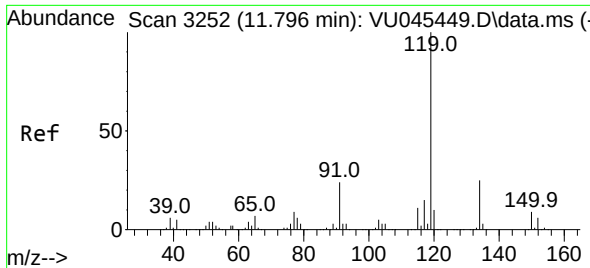
Tgt Ion: 75 Resp: 100364
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#83
tert-Butylbenzene
Concen: 6.683 ug/l
RT: 11.423 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

Tgt Ion: 119 Resp: 69800
Ion Ratio Lower Upper
119 100
91 71.3 30.5 91.5
134 24.9 11.5 34.5

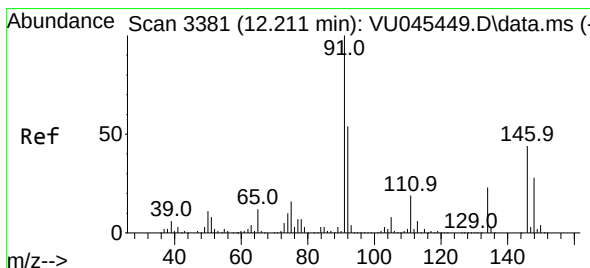
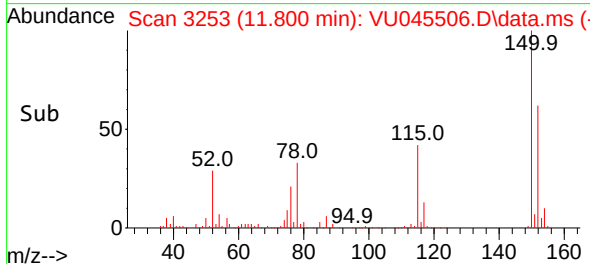
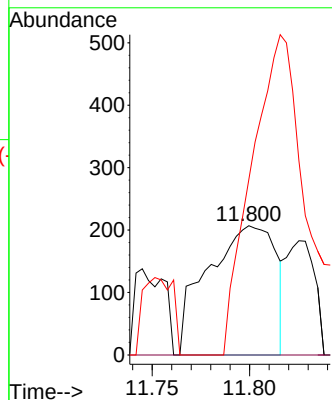
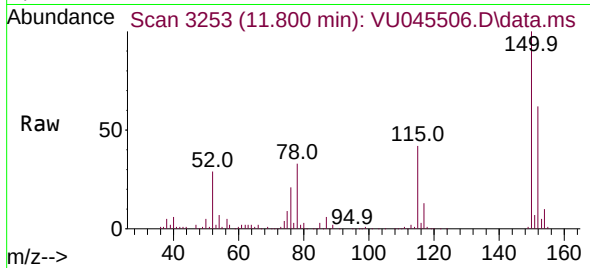




#86
p-Isopropyltoluene
Concen: 0.229 ug/l
RT: 11.800 min Scan# 31
Delta R.T. 0.004 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

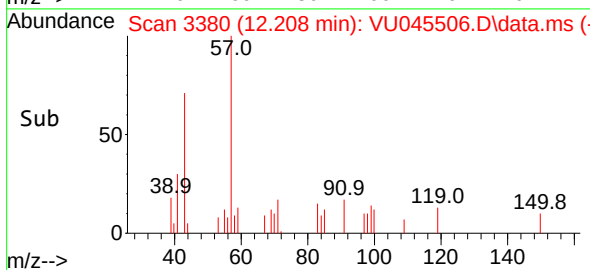
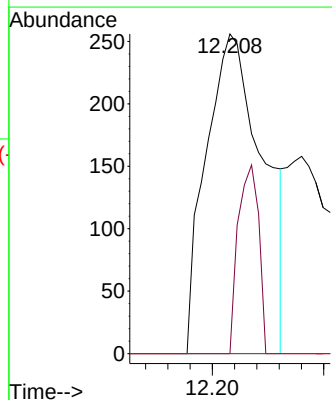
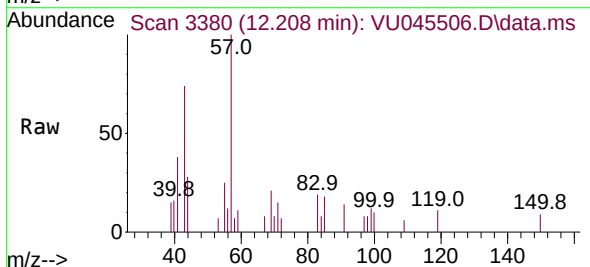
Instrument :
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ClientSampleId :
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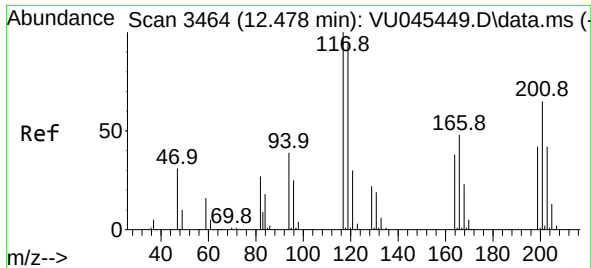
Tgt Ion:119 Resp: 503
Ion Ratio Lower Upper
119 100
134 0.0 12.7 38.1#
91 207.2 12.2 36.4#



#89
n-Butylbenzene
Concen: 0.976 ug/l
RT: 12.208 min Scan# 3380
Delta R.T. -0.003 min
Lab File: VU045506.D
Acq: 01 Nov 2021 22:45

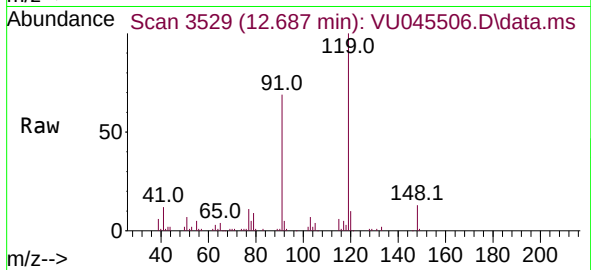
Tgt Ion: 91 Resp: 455
Ion Ratio Lower Upper
91 100
92 21.3 27.1 81.2#
134 0.0 11.8 35.4#





#90
 Hexachloroethane
 Concen: 1.153 ug/l
 RT: 12.687 min Scan# 31
 Delta R.T. 0.209 min
 Lab File: VU045506.D
 Acq: 01 Nov 2021 22:45

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion:117 Resp: 2256
 Ion Ratio Lower Upper
 117 100
 201 0.0 33.8 101.4#

