

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110221\
 Data File : VU045507.D
 Acq On : 01 Nov 2021 23:08
 Operator : SY/MD
 Sample : M4438-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Nov 02 07:39:27 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)

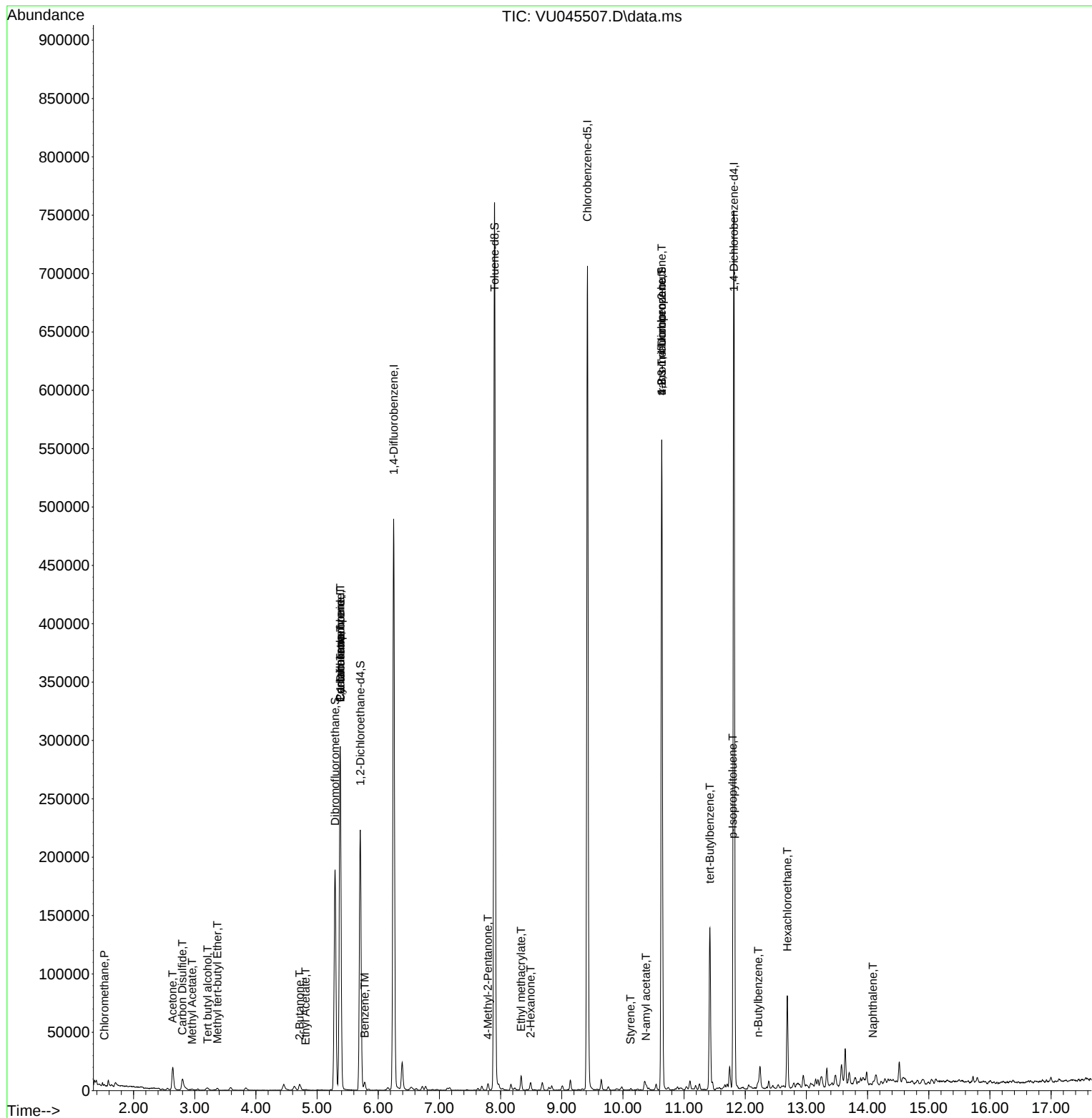
Internal Standards						
1) Pentafluorobenzene	5.378	168	194677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	390667	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	382086	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	187159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	166120	52.414	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.820%			
35) Dibromofluoromethane	5.295	113	124102	49.960	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.920%			
50) Toluene-d8	7.902	98	498646	51.191	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.380%			
62) 4-Bromofluorobenzene	10.635	95	192351	51.821	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.640%			
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	797	0.206	ug/l #	67
11) Tert butyl alcohol	3.211	59	3483	5.091	ug/l #	77
16) Acetone	2.639	43	26285	18.268	ug/l	98
17) Carbon Disulfide	2.796	76	8059	1.245	ug/l	98
18) Methyl Acetate	2.957	43	1526	0.285	ug/l #	80
19) Methyl tert-butyl Ether	3.369	73	1887	0.231	ug/l	92
25) 2-Butanone	4.713	43	7930	3.651	ug/l	97
31) Cyclohexane	5.378	56	4642	0.984	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	17990	4.838	ug/l #	49
37) Ethyl Acetate	4.812	43	1257	0.279	ug/l #	67
38) Carbon Tetrachloride	5.378	117	20394	6.288	ug/l #	15
40) Benzene	5.780	78	5955	0.532	ug/l	93
51) 4-Methyl-2-Pentanone	7.793	43	3818	0.870	ug/l	96
56) Ethyl methacrylate	8.336	69	6522	2.881	ug/l	97
59) 2-Hexanone	8.491	43	4500	1.324	ug/l	69
70) Styrene	10.124	104	120	0.989	ug/l #	37
74) N-amyl acetate	10.378	43	5936	2.041	ug/l #	57
76) 1,2,3-Trichloropropane	10.635	75	98634	19.780	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.635	75	98634	54.969	ug/l #	12
83) tert-Butylbenzene	11.423	119	63304	6.176	ug/l	89
86) p-Isopropyltoluene	11.796	119	159	0.201	ug/l #	50
89) n-Butylbenzene	12.211	91	412	0.973	ug/l #	33
90) Hexachloroethane	12.687	117	1831	0.954	ug/l #	16
95) Naphthalene	14.085	128	1556	0.201	ug/l	99

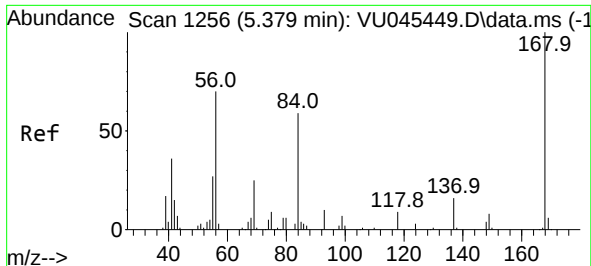
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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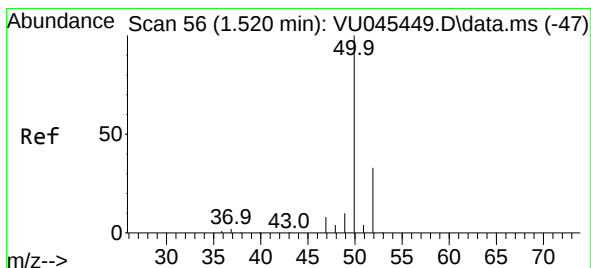
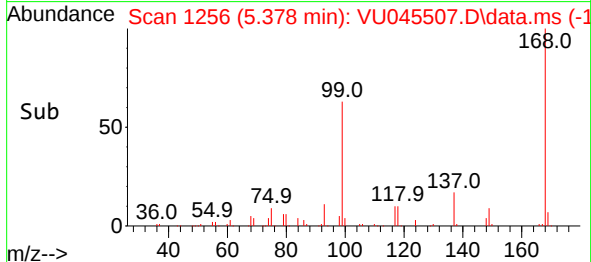
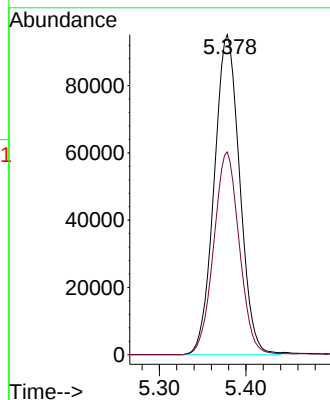
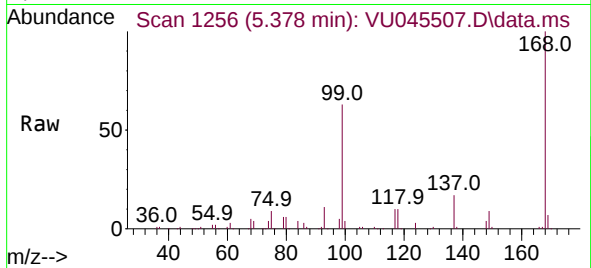




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. -0.001 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

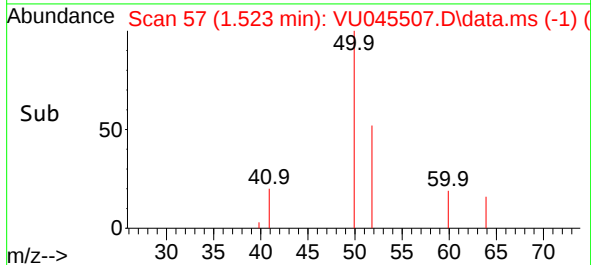
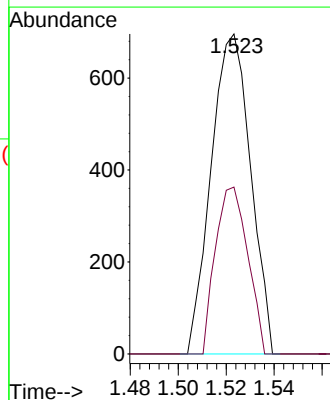
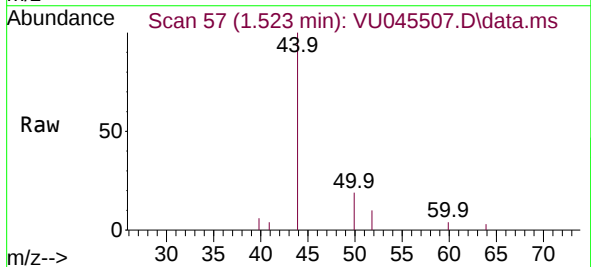
Instrument :
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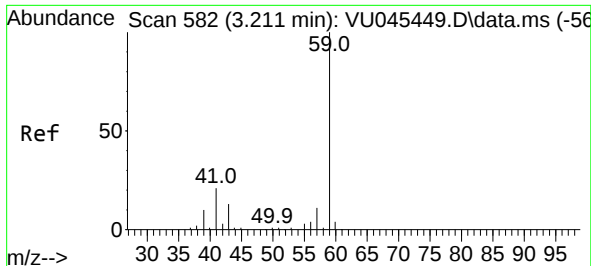
Tgt Ion:168 Resp: 194677
Ion Ratio Lower Upper
168 100
99 63.3 51.0 76.6



#3
Chloromethane
Concen: 0.206 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

Tgt Ion: 50 Resp: 797
Ion Ratio Lower Upper
50 100
52 52.2 26.6 40.0#

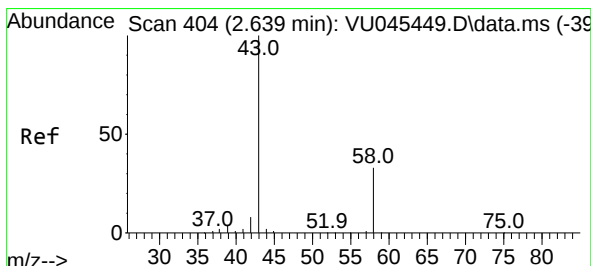
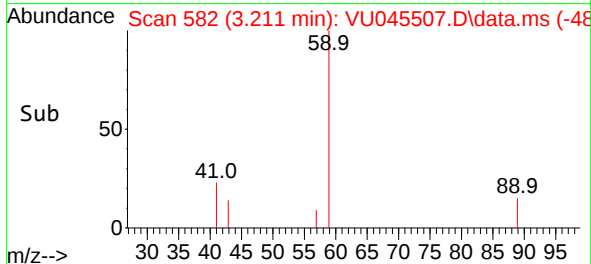
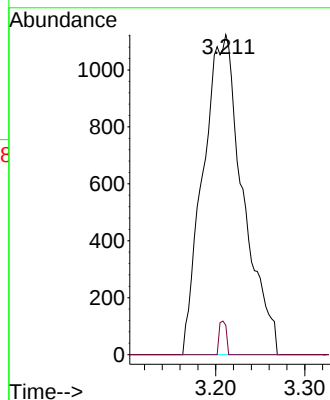
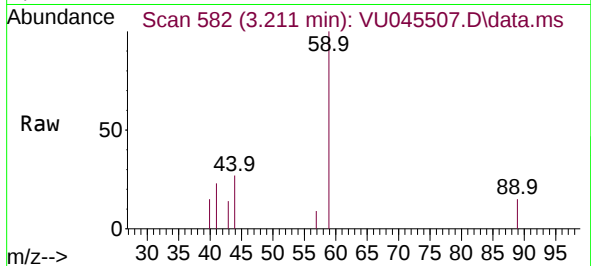




#11
Tert butyl alcohol
Concen: 5.091 ug/l
RT: 3.211 min Scan# 582
Delta R.T. -0.000 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

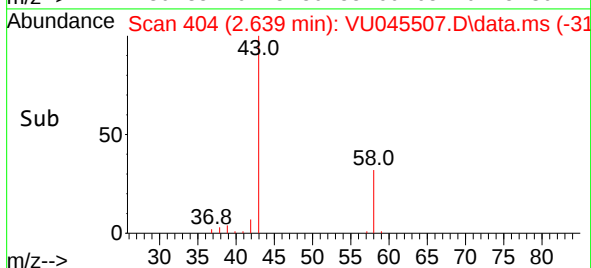
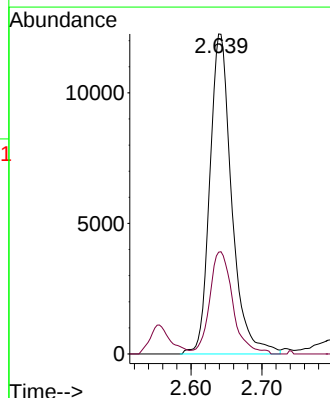
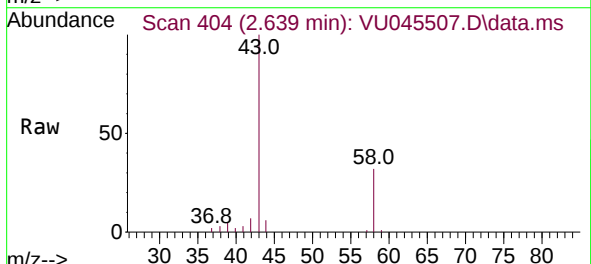
Instrument :
MSVOA_U
ClientSampleId :
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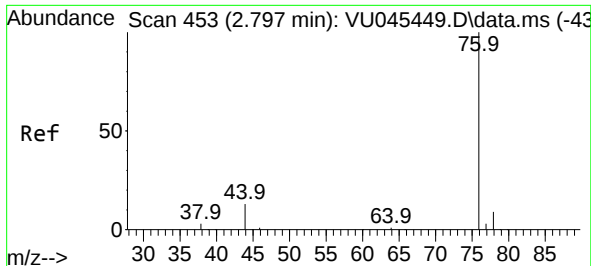
Tgt Ion: 59 Resp: 3483
Ion Ratio Lower Upper
59 100
57 1.8 8.3 12.5#



#16
Acetone
Concen: 18.268 ug/l
RT: 2.639 min Scan# 404
Delta R.T. -0.000 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

Tgt Ion: 43 Resp: 26285
Ion Ratio Lower Upper
43 100
58 31.8 26.2 39.2

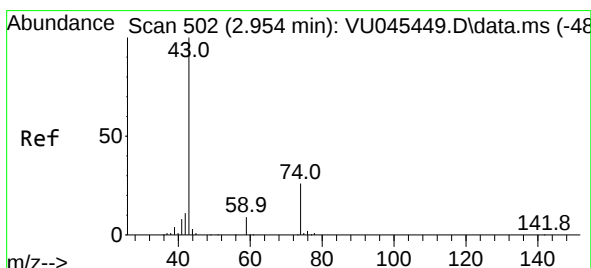
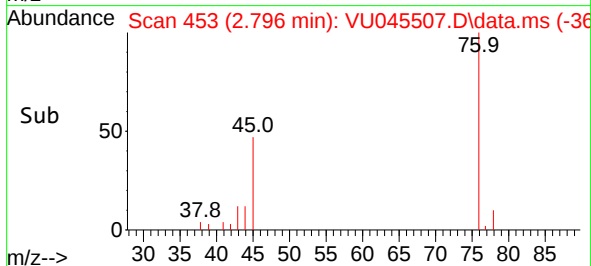
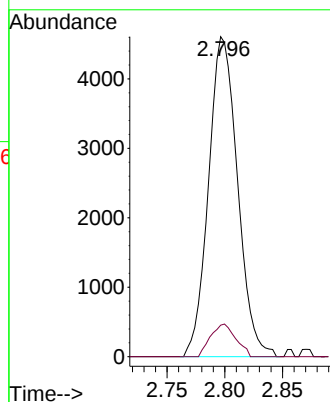
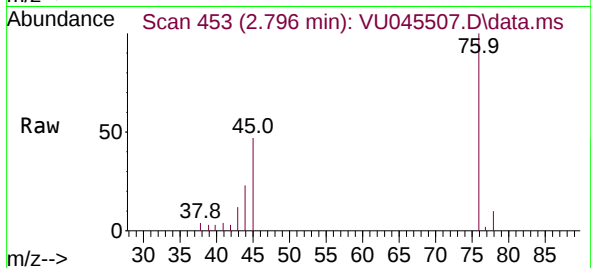




#17
Carbon Disulfide
Concen: 1.245 ug/l
RT: 2.796 min Scan# 41
Delta R.T. -0.000 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

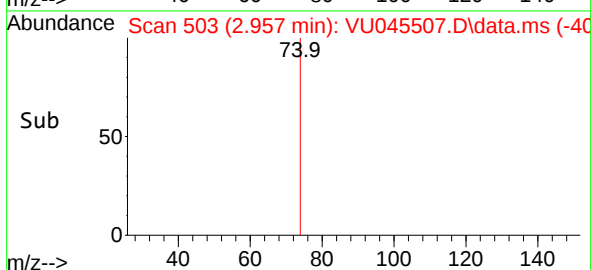
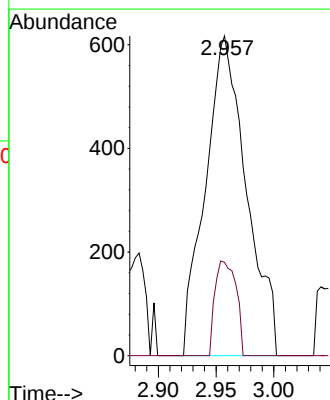
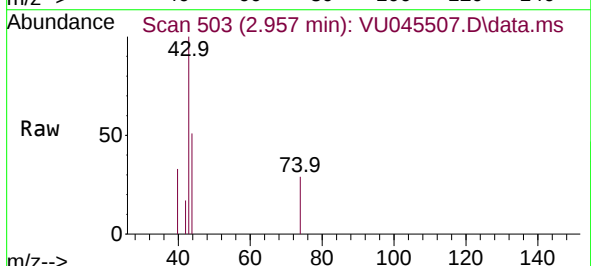
Instrument :
MSVOA_U
ClientSampleId :
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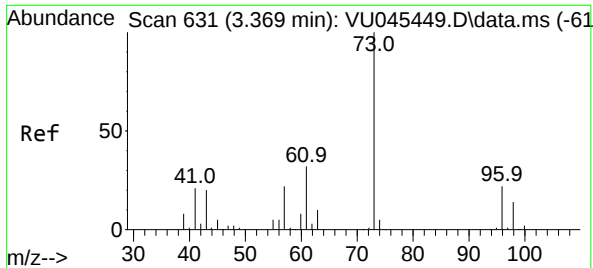
Tgt Ion: 76 Resp: 8059
Ion Ratio Lower Upper
76 100
78 9.9 7.3 10.9



#18
Methyl Acetate
Concen: 0.285 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

Tgt Ion: 43 Resp: 1526
Ion Ratio Lower Upper
43 100
74 15.1 20.2 30.2#

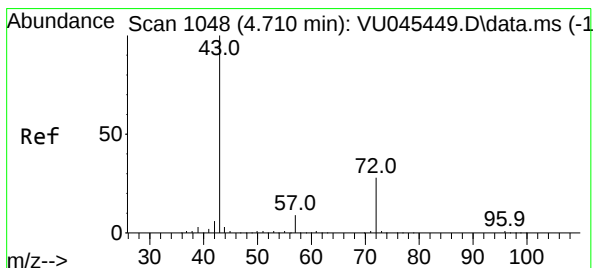
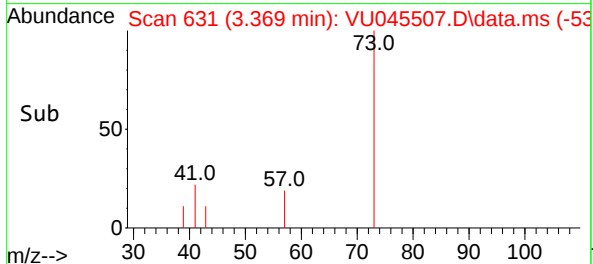
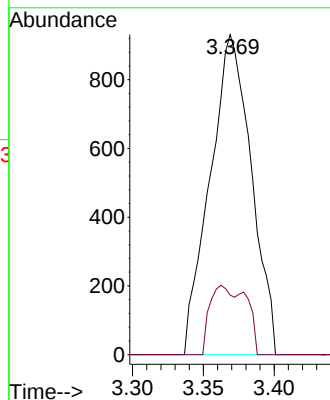
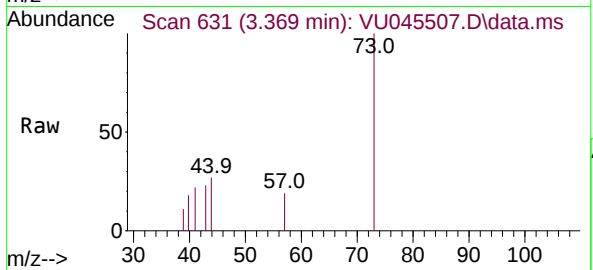




#19
Methyl tert-butyl Ether
Concen: 0.231 ug/l
RT: 3.369 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

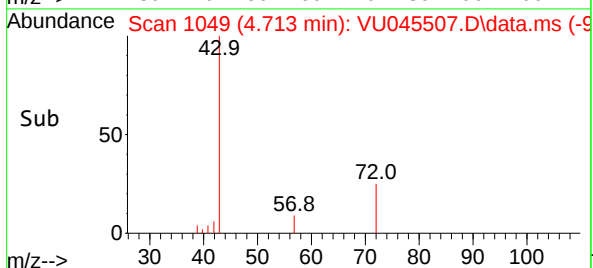
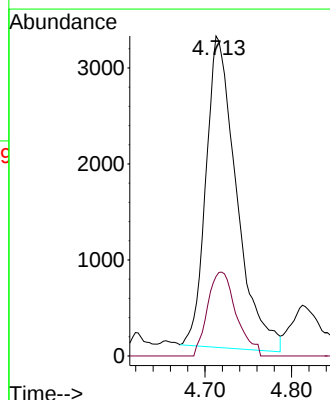
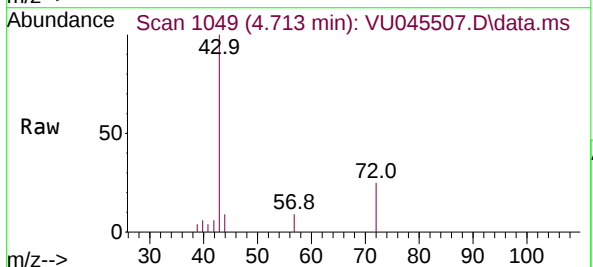
Instrument :
MSVOA_U
ClientSampleId :
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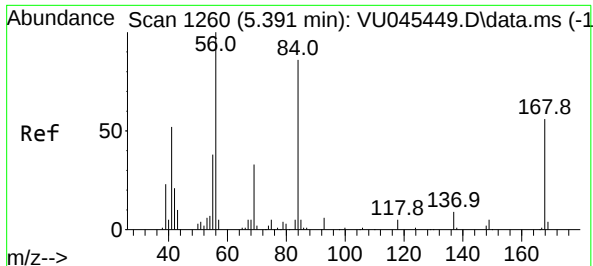
Tgt Ion: 73 Resp: 1887
Ion Ratio Lower Upper
73 100
57 18.6 18.1 27.1



#25
2-Butanone
Concen: 3.651 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

Tgt Ion: 43 Resp: 7930
Ion Ratio Lower Upper
43 100
72 25.8 22.0 33.0





#31

Cyclohexane

Concen: 0.984 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.013 min

Lab File: VU045507.D

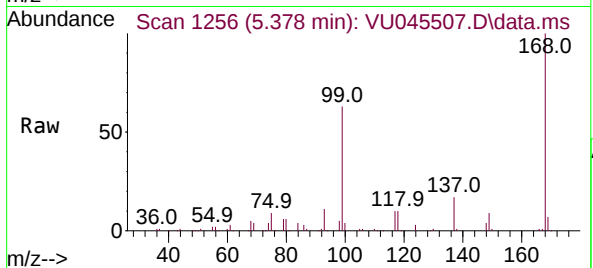
Acq: 01 Nov 2021 23:08

Instrument :

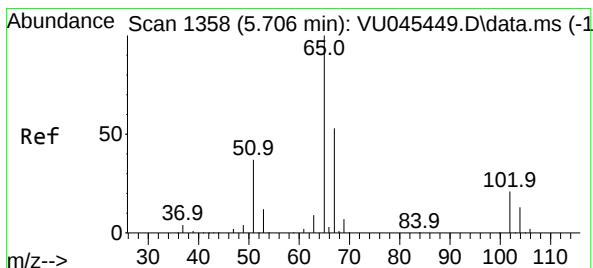
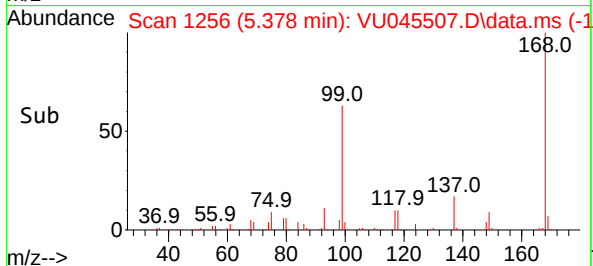
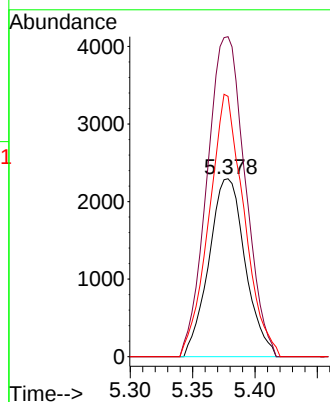
MSVOA_U

ClientSampleId :

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Tgt Ion:	56	Resp:	4642
Ion	Ratio	Lower	Upper
56	100		
69	179.9	26.4	39.6#
84	146.3	68.4	102.6#



#33

1,2-Dichloroethane-d4

Concen: 52.414 ug/l

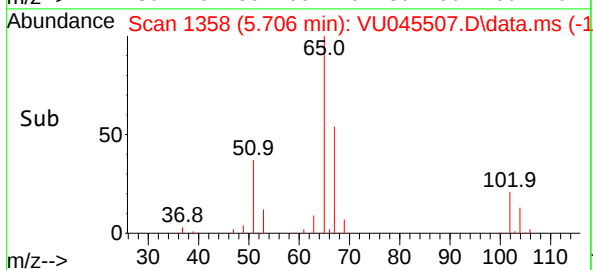
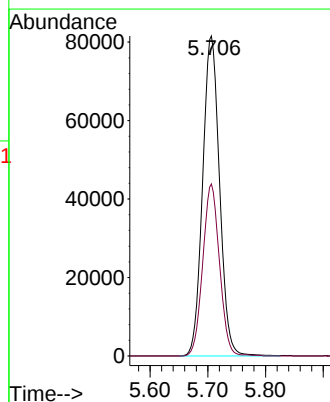
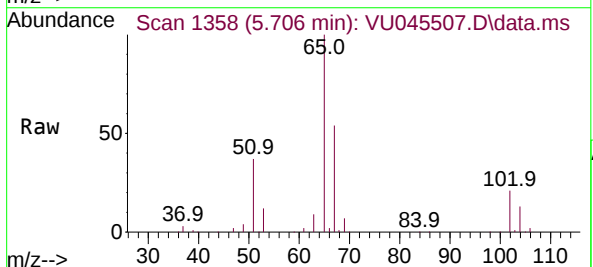
RT: 5.706 min Scan# 1358

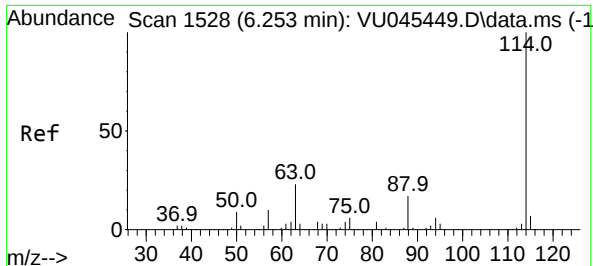
Delta R.T. -0.000 min

Lab File: VU045507.D

Acq: 01 Nov 2021 23:08

Tgt Ion:	65	Resp:	166120
Ion	Ratio	Lower	Upper
65	100		
67	52.9	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: VU045507.D

Acq: 01 Nov 2021 23:08

Instrument :

MSVOA_U

ClientSampleId :

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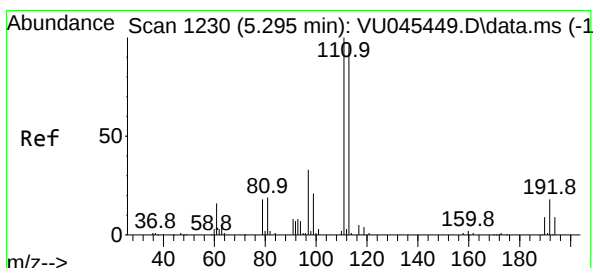
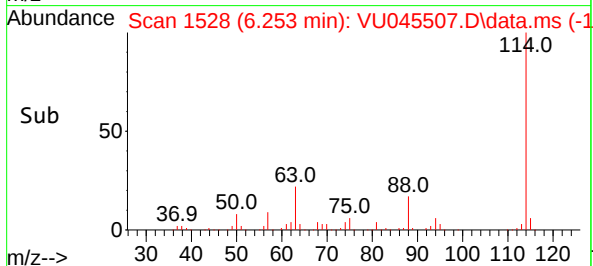
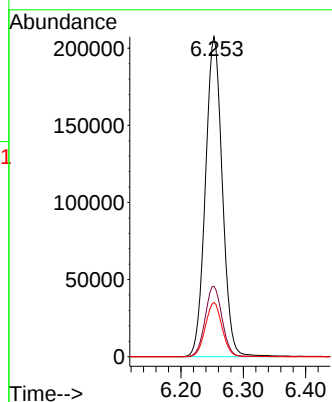
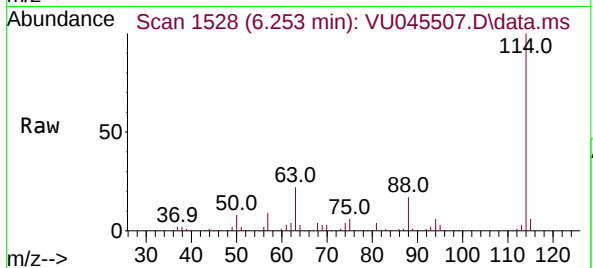
Tgt Ion:114 Resp: 390667

Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.6

88 17.0 0.0 33.8



#35

Dibromofluoromethane

Concen: 49.960 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. -0.000 min

Lab File: VU045507.D

Acq: 01 Nov 2021 23:08

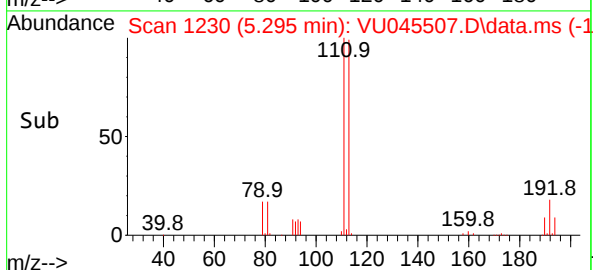
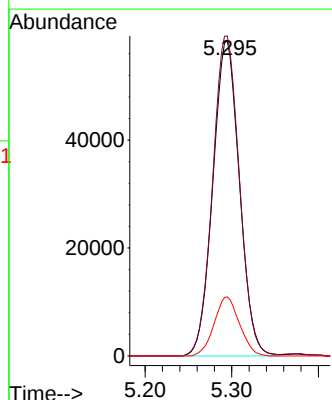
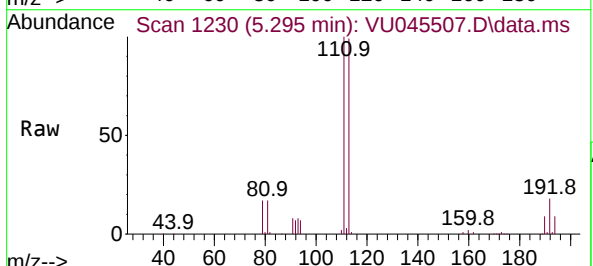
Tgt Ion:113 Resp: 124102

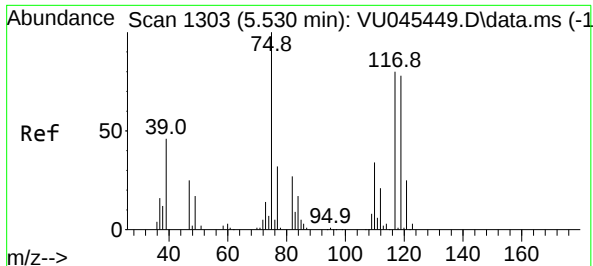
Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 18.0 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.838 ug/l

RT: 5.378 min Scan# 11

Delta R.T. -0.151 min

Lab File: VU045507.D

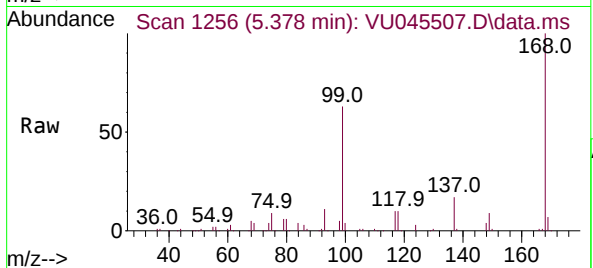
Acq: 01 Nov 2021 23:08

Instrument :

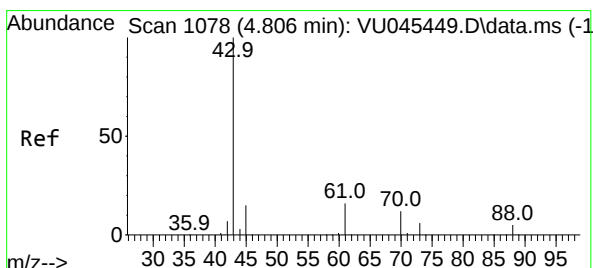
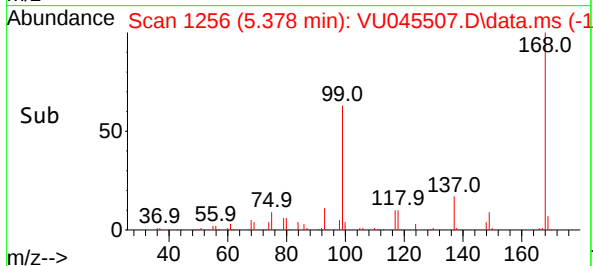
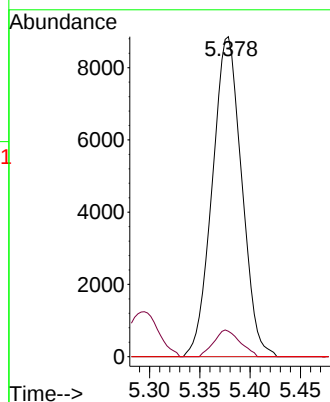
MSVOA_U

ClientSampleId :

FDR-20211101-WC-LS



Tgt Ion:	75	Resp:	17990
Ion	Ratio	Lower	Upper
75	100		
110	7.4	16.7	50.0#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 0.279 ug/l

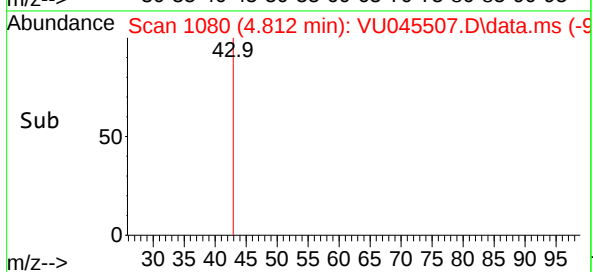
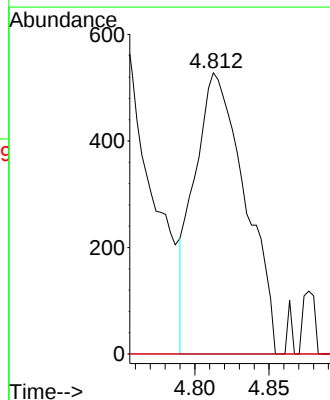
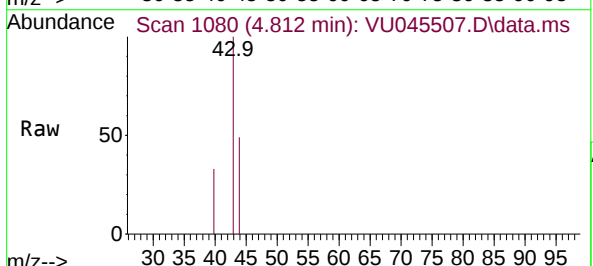
RT: 4.812 min Scan# 1080

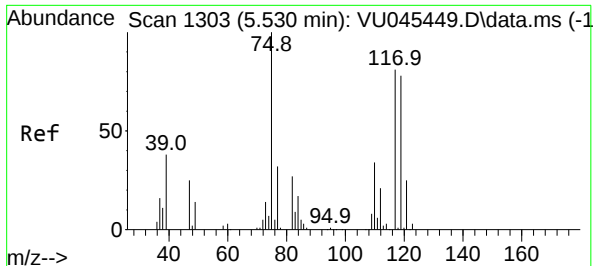
Delta R.T. 0.006 min

Lab File: VU045507.D

Acq: 01 Nov 2021 23:08

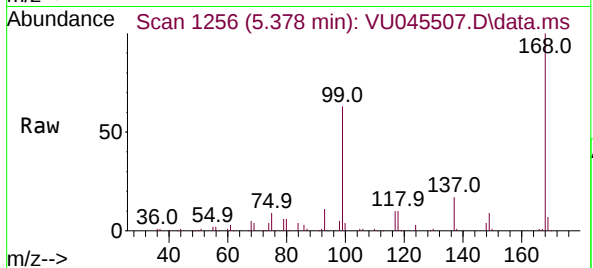
Tgt Ion:	43	Resp:	1257
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	9.1	13.7#



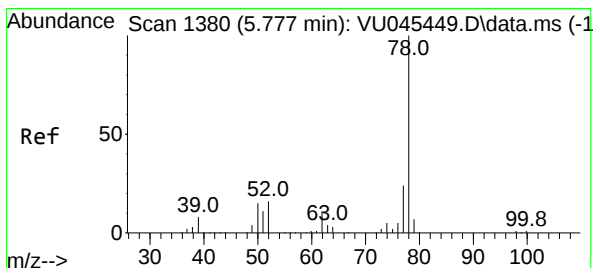
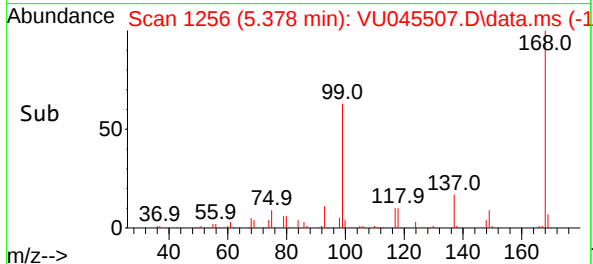
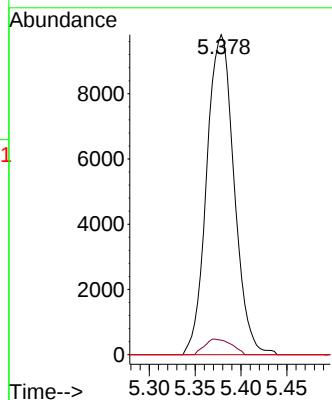


#38
Carbon Tetrachloride
Concen: 6.288 ug/l
RT: 5.378 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

Instrument :
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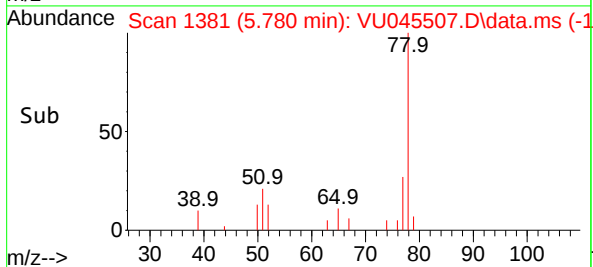
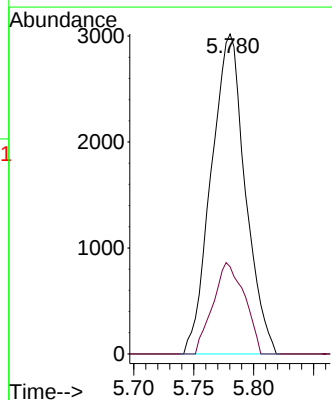
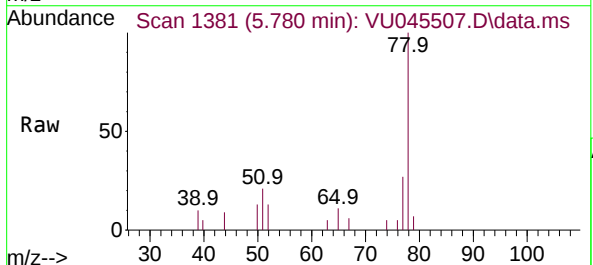


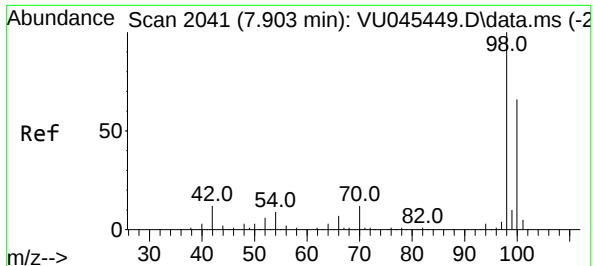
Tgt Ion:117 Resp: 20394
Ion Ratio Lower Upper
117 100
119 4.5 77.4 116.0#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 0.532 ug/l
RT: 5.780 min Scan# 1381
Delta R.T. 0.003 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

Tgt Ion: 78 Resp: 5955
Ion Ratio Lower Upper
78 100
77 27.3 19.0 28.4

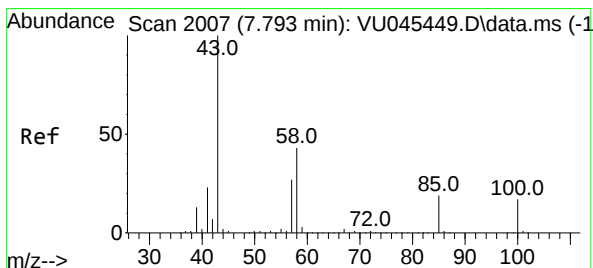
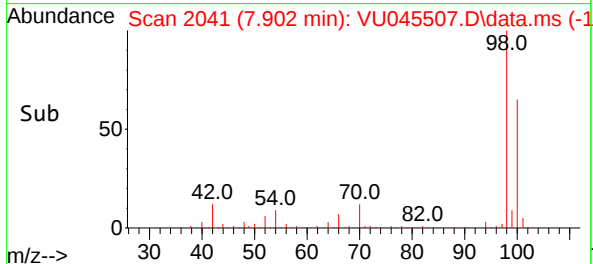
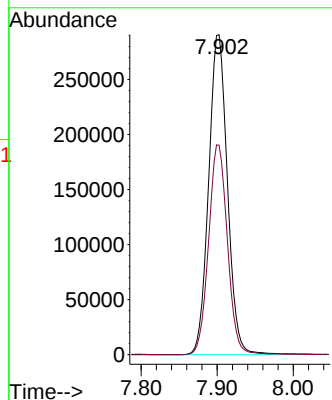
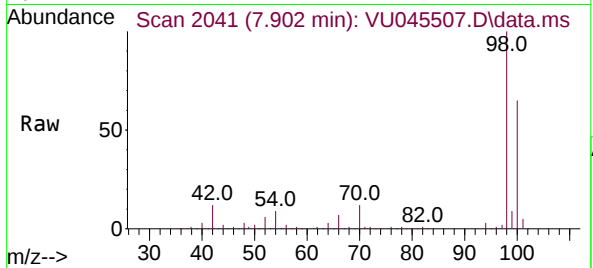




#50
Toluene-d8
Concen: 51.191 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

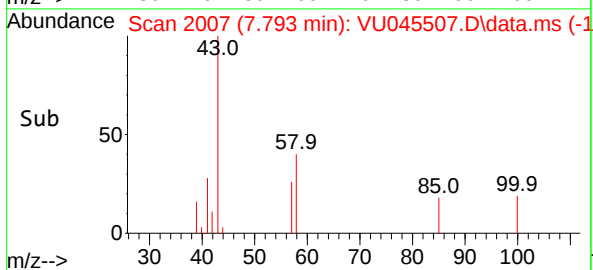
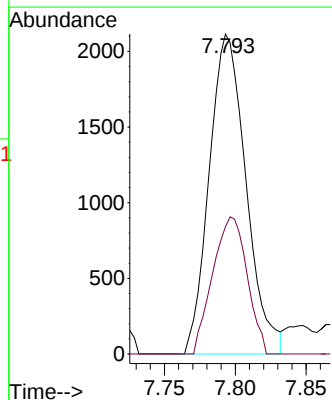
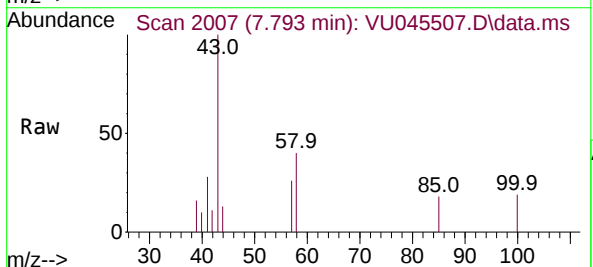
Instrument :
MSVOA_U
ClientSampleId :
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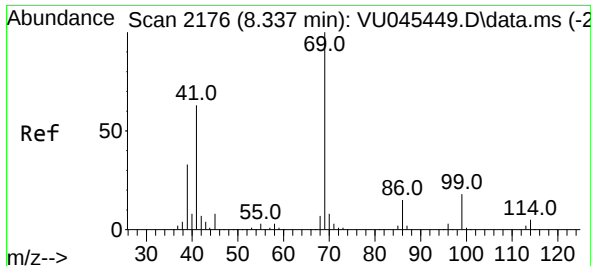
Tgt Ion: 98 Resp: 498646
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.870 ug/l
RT: 7.793 min Scan# 2007
Delta R.T. -0.000 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

Tgt Ion: 43 Resp: 3818
Ion Ratio Lower Upper
43 100
58 39.9 33.8 50.8

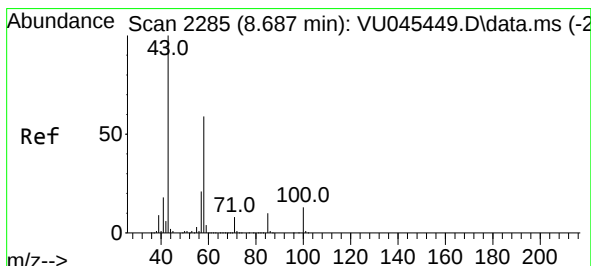
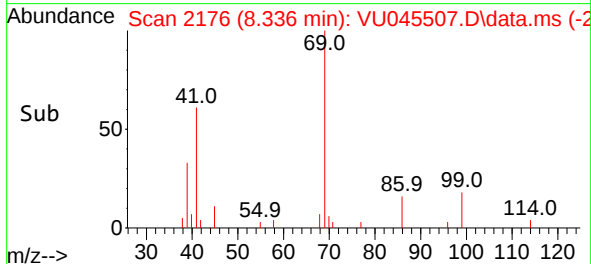
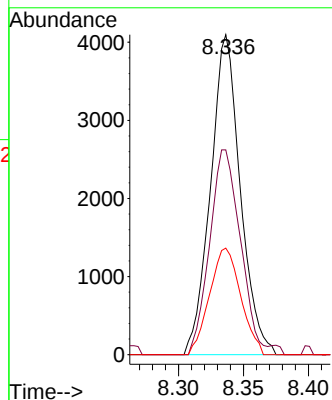
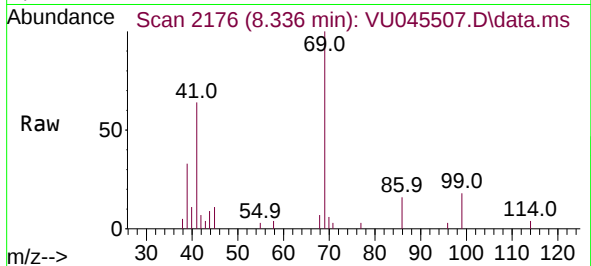




#56
Ethyl methacrylate
Concen: 2.881 ug/l
RT: 8.336 min Scan# 2176
Delta R.T. -0.001 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

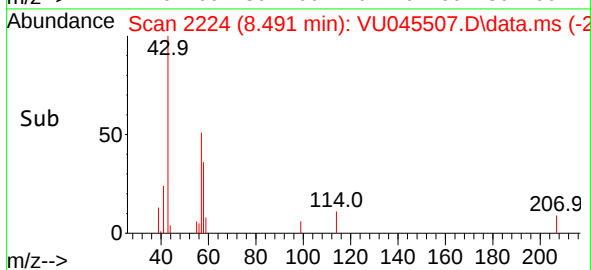
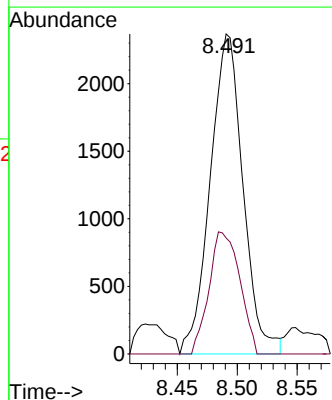
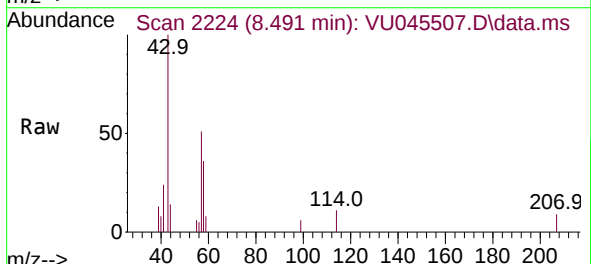
Instrument :
MSVOA_U
ClientSampleId :
FDR-20211101-WC-LS

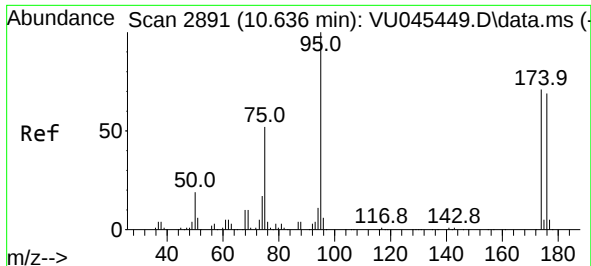
Tgt Ion:	69	Resp:	6522
Ion	Ratio	Lower	Upper
69	100		
41	66.2	51.0	76.4
39	34.9	26.6	39.8



#59
2-Hexanone
Concen: 1.324 ug/l
RT: 8.491 min Scan# 2224
Delta R.T. -0.196 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

Tgt Ion:	43	Resp:	4500
Ion	Ratio	Lower	Upper
43	100		
58	35.8	29.5	88.6

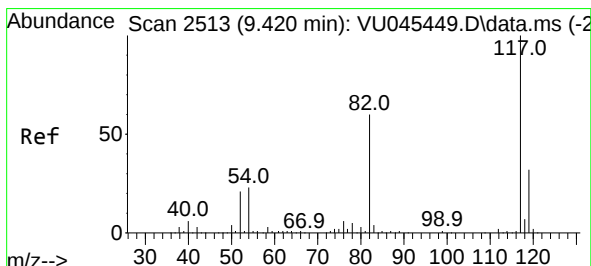
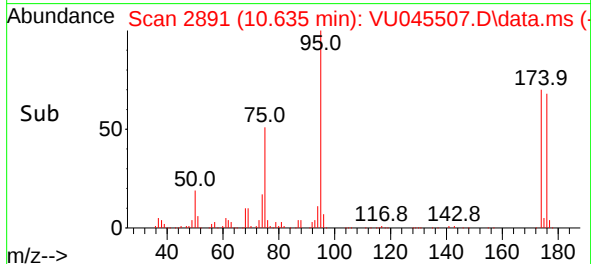
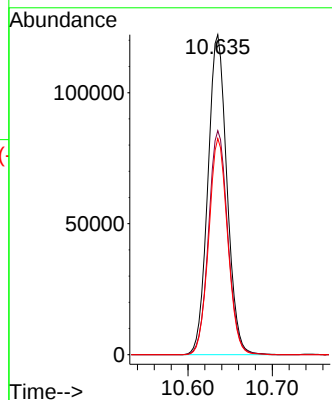
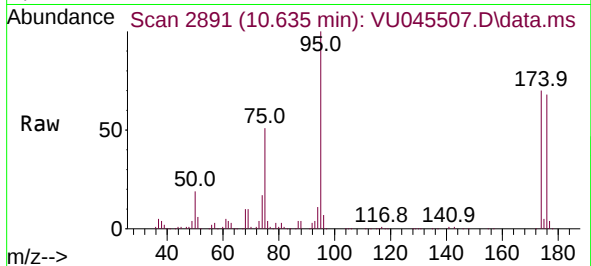




#62
4-Bromofluorobenzene
Concen: 51.821 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

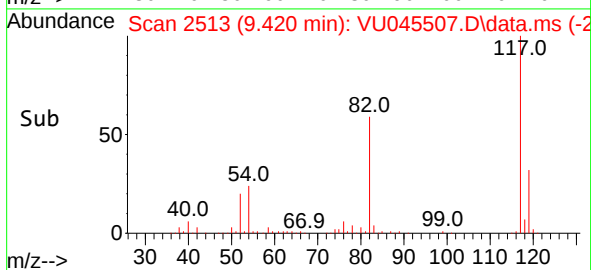
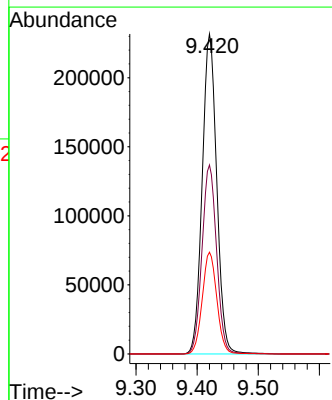
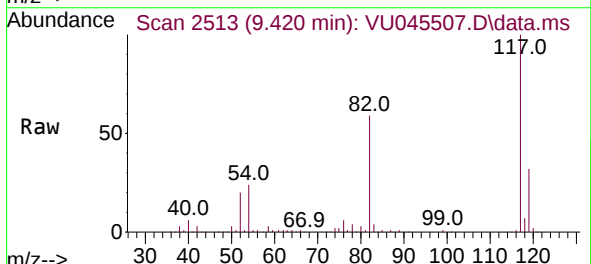
Instrument :
MSVOA_U
ClientSampleId :
FDR-20211101-WC-LS

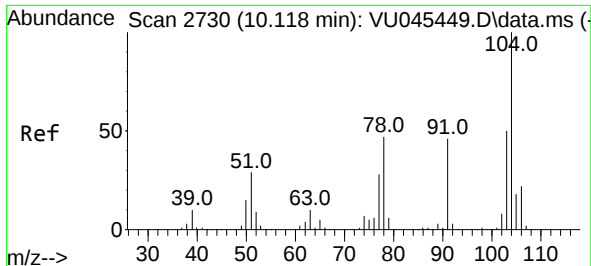
Tgt Ion: 95 Resp: 192351
Ion Ratio Lower Upper
95 100
174 70.8 0.0 141.8
176 67.1 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

Tgt Ion: 117 Resp: 382086
Ion Ratio Lower Upper
117 100
82 59.0 47.8 71.8
119 31.8 25.8 38.8

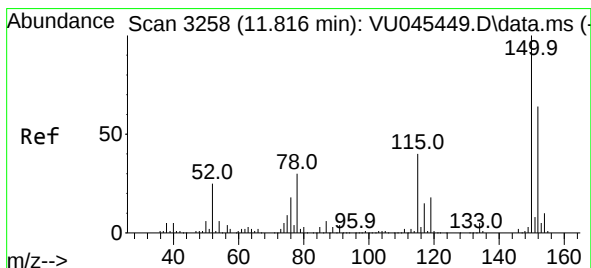
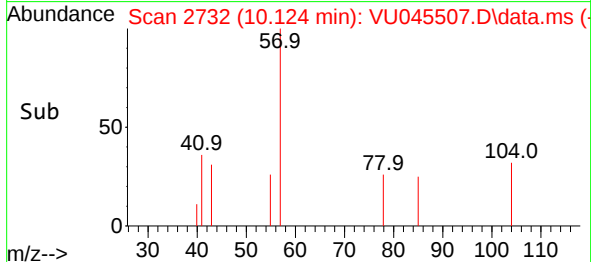
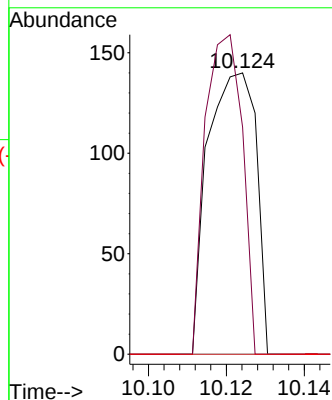
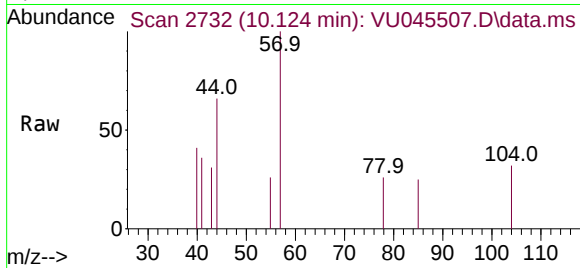




#70
Styrene
Concen: 0.989 ug/l
RT: 10.124 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

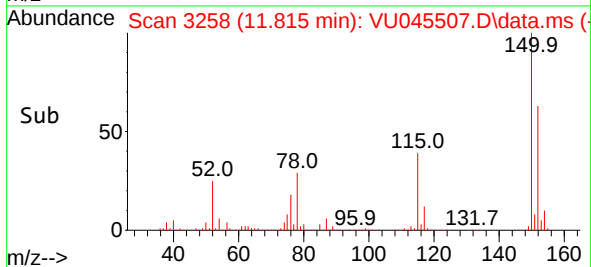
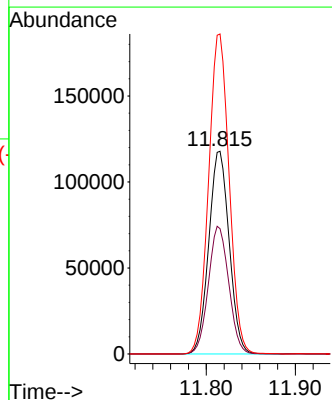
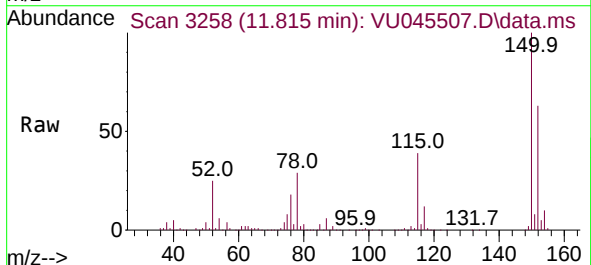
Instrument :
MSVOA_U
ClientSampleId :
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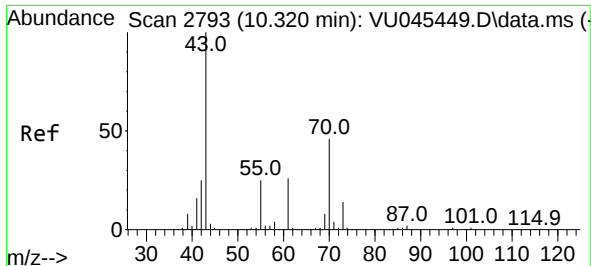
Tgt Ion:104 Resp: 120
Ion Ratio Lower Upper
104 100
78 87.5 41.8 62.6#
103 0.0 43.8 65.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. -0.000 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

Tgt Ion:152 Resp: 187159
Ion Ratio Lower Upper
152 100
115 62.7 42.7 128.1
150 158.3 0.0 346.8

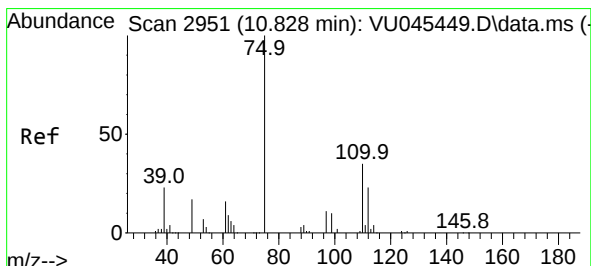
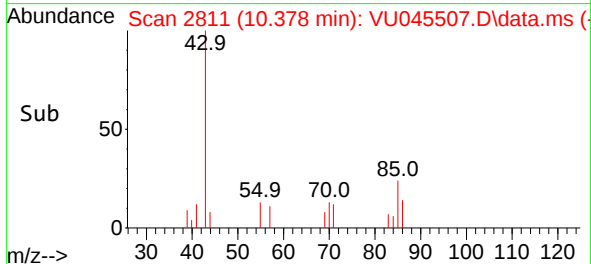
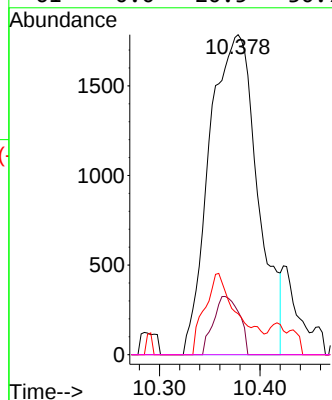
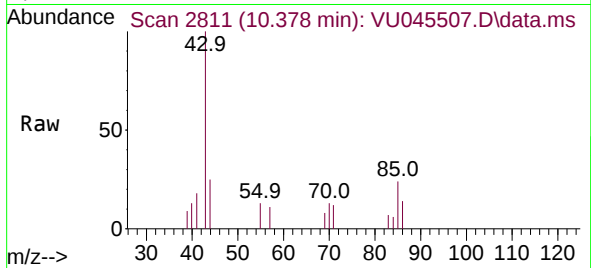




#74
N-amy1 acetate
Concen: 2.041 ug/l
RT: 10.378 min Scan# 2811
Delta R.T. 0.058 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

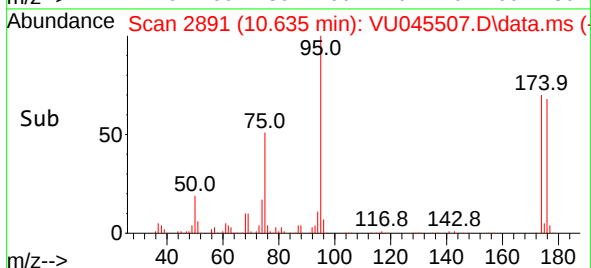
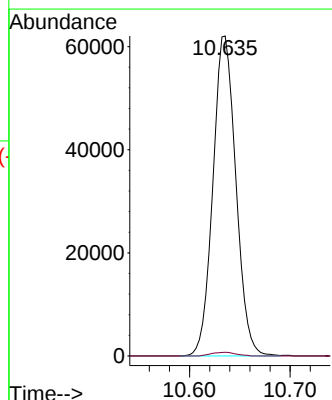
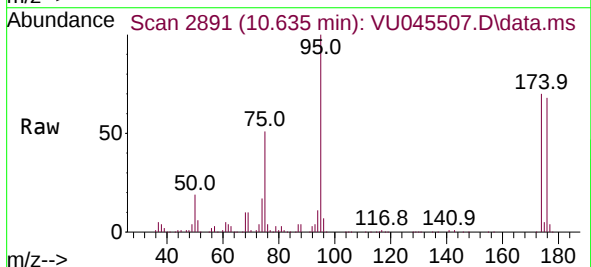
Instrument :
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ClientSampleId :
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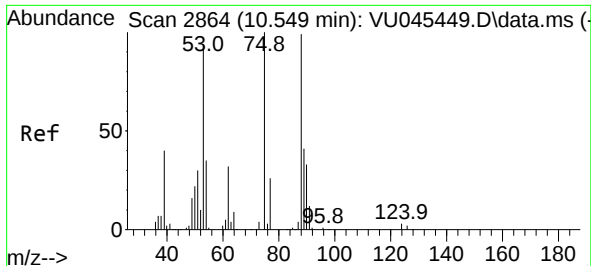
Tgt Ion: 43	Resp: 5936
Ion Ratio	Lower Upper
43	100
70	9.8 36.9 55.3#
55	17.8 20.6 31.0#
61	0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 19.780 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

Tgt Ion: 75	Resp: 98634
Ion Ratio	Lower Upper
75	100
77	1.2 17.1 51.3#

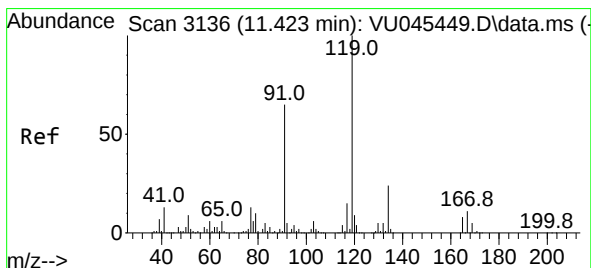
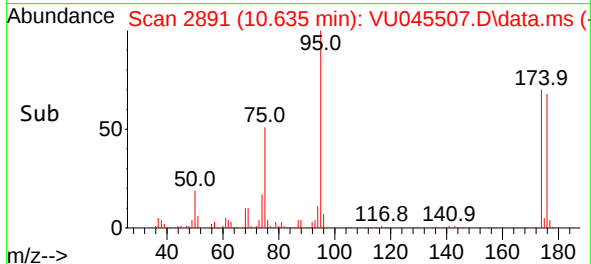
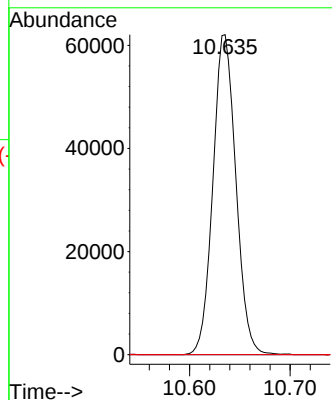
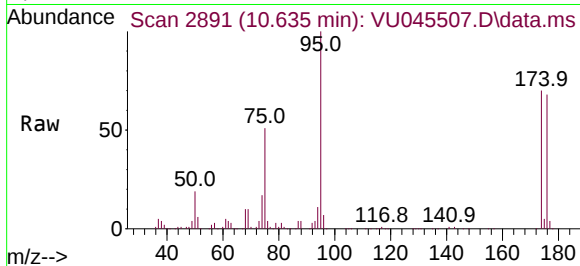




#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.969 ug/l
 RT: 10.635 min Scan# 2864
 Delta R.T. 0.086 min
 Lab File: VU045507.D
 Acq: 01 Nov 2021 23:08

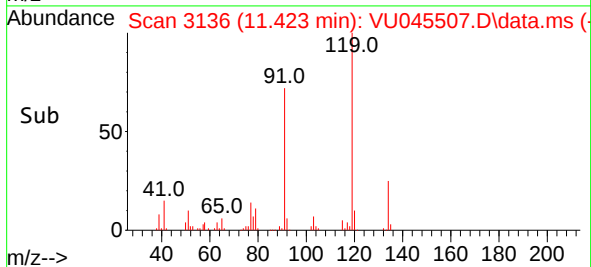
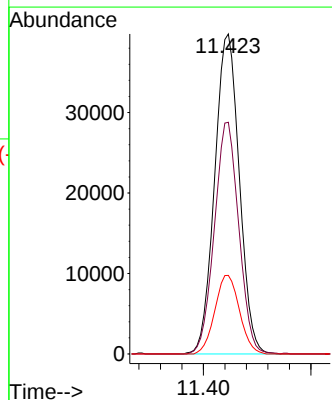
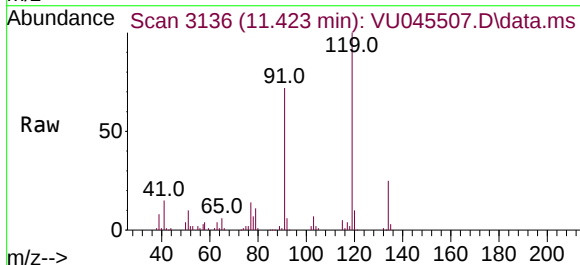
Instrument :
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 ClientSampleId :
 FDR-20211101-WC-LS

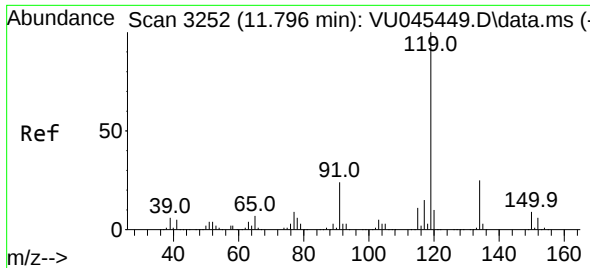
Tgt Ion: 75 Resp: 98634
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.2 114.4#
 89 0.0 34.0 51.0#



#83
 tert-Butylbenzene
 Concen: 6.176 ug/l
 RT: 11.423 min Scan# 3136
 Delta R.T. -0.000 min
 Lab File: VU045507.D
 Acq: 01 Nov 2021 23:08

Tgt Ion: 119 Resp: 63304
 Ion Ratio Lower Upper
 119 100
 91 71.6 30.5 91.5
 134 24.5 11.5 34.5

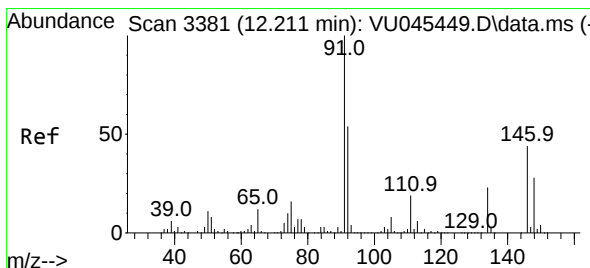
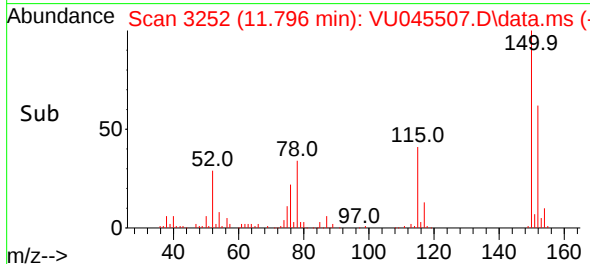
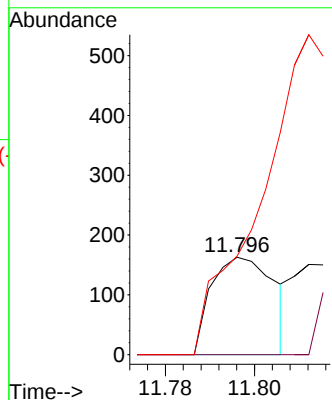
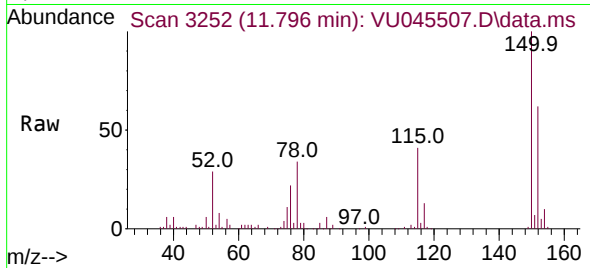




#86
 p-Isopropyltoluene
 Concen: 0.201 ug/l
 RT: 11.796 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU045507.D
 Acq: 01 Nov 2021 23:08

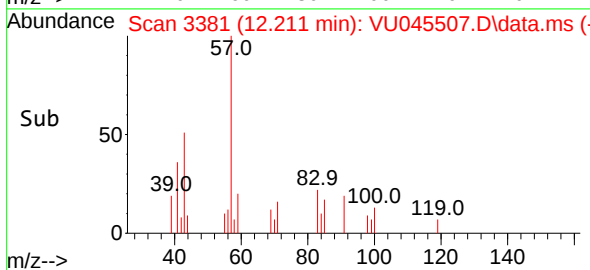
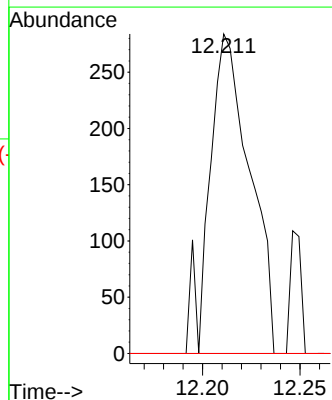
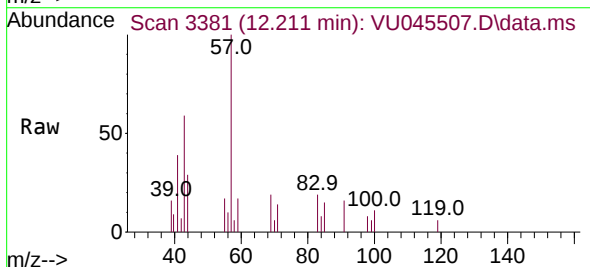
Instrument :
 MSVOA_U
 ClientSampleId :
 FDR-20211101-WC-LS

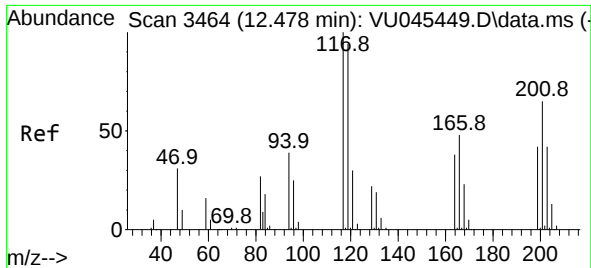
Tgt Ion:119 Resp: 159
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.7 38.1#
 91 0.0 12.2 36.4#



#89
 n-Butylbenzene
 Concen: 0.973 ug/l
 RT: 12.211 min Scan# 3381
 Delta R.T. -0.000 min
 Lab File: VU045507.D
 Acq: 01 Nov 2021 23:08

Tgt Ion: 91 Resp: 412
 Ion Ratio Lower Upper
 91 100
 92 0.0 27.1 81.2#
 134 0.0 11.8 35.4#

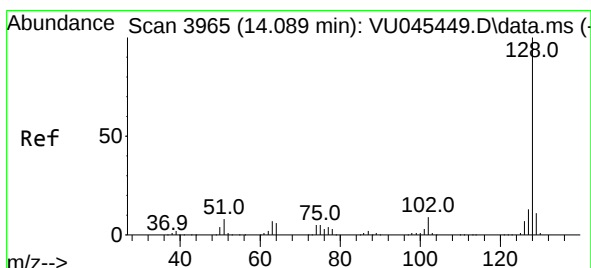
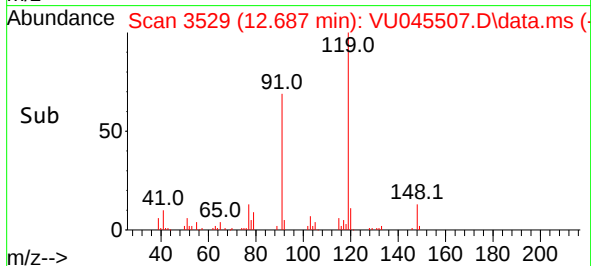
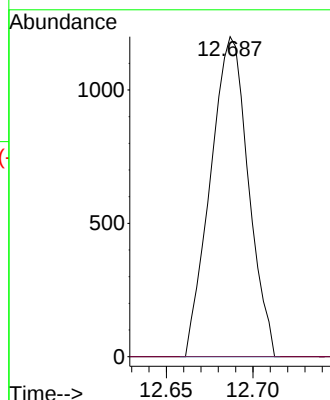
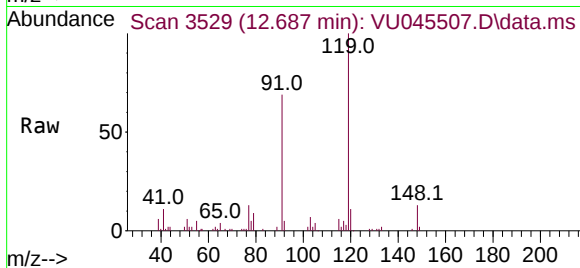




#90
Hexachloroethane
Concen: 0.954 ug/l
RT: 12.687 min Scan# 31
Delta R.T. 0.209 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

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

Tgt Ion:117 Resp: 1831
Ion Ratio Lower Upper
117 100
201 0.0 33.8 101.4#



#95
Naphthalene
Concen: 0.201 ug/l
RT: 14.085 min Scan# 3964
Delta R.T. -0.004 min
Lab File: VU045507.D
Acq: 01 Nov 2021 23:08

Tgt Ion:128 Resp: 1556
Ion Ratio Lower Upper
128 100
127 12.6 10.6 15.8
129 11.1 8.6 13.0

