

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102521\
 Data File : VU045392.D
 Acq On : 25 Oct 2021 18:39
 Operator : SY/MD
 Sample : M4300-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 04:45:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

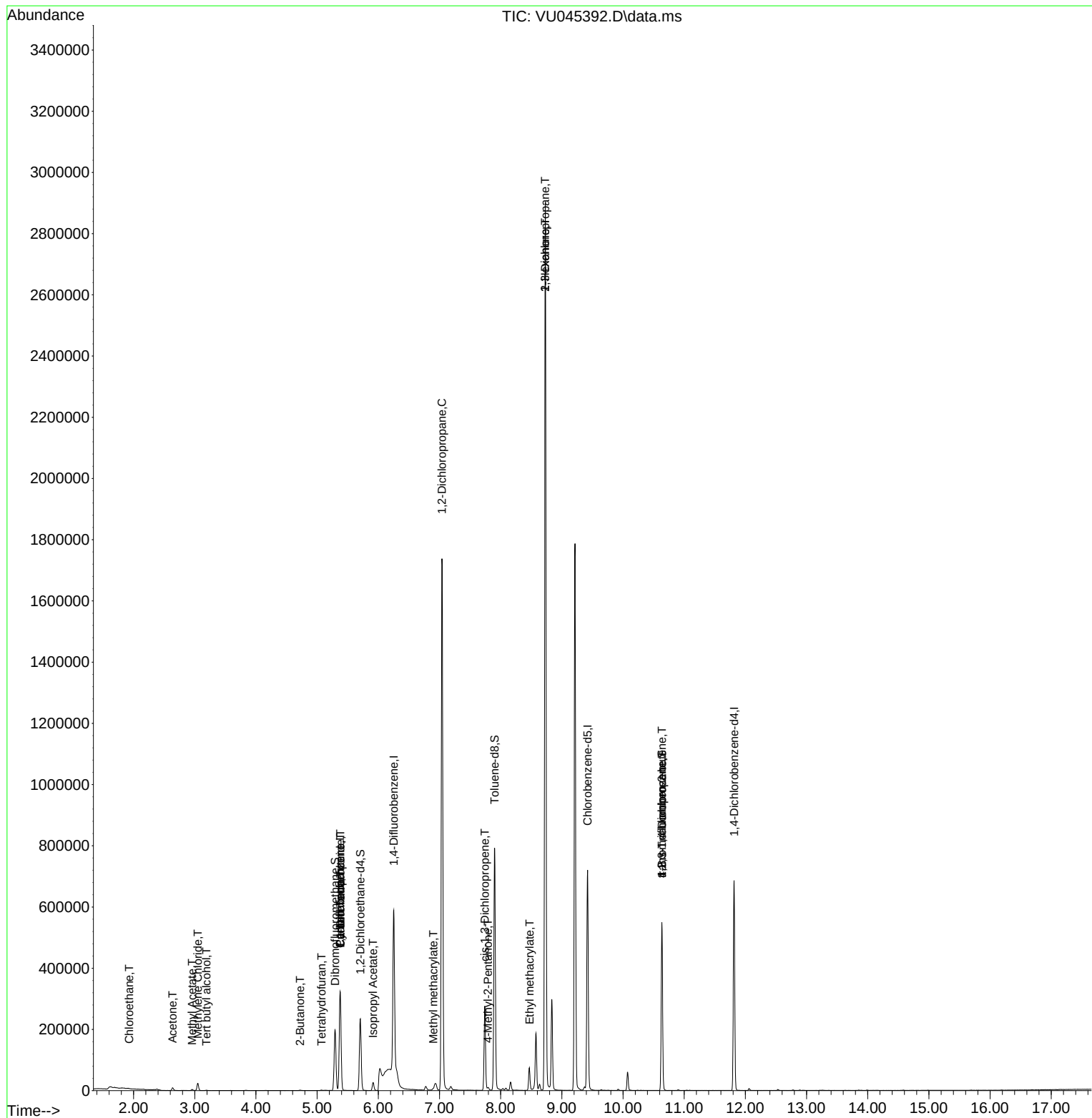
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.375	168	218093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	414906	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	384597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	171406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	177676	48.941	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.880%
35) Dibromofluoromethane	5.292	113	128973	49.276	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.560%
50) Toluene-d8	7.903	98	522293	50.504	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.000%
62) 4-Bromofluorobenzene	10.636	95	185915	43.544	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.080%
Target Compounds						
					Qvalue	
6) Chloroethane	1.929	64	1006	0.375	ug/l #	42
11) Tert butyl alcohol	3.189	59	811	0.778	ug/l #	72
16) Acetone	2.639	43	11915	5.529	ug/l	99
18) Methyl Acetate	2.957	43	4772	0.758	ug/l	94
20) Methylene Chloride	3.051	84	11441	3.525	ug/l	94
25) 2-Butanone	4.723	43	2636	0.861	ug/l	96
29) Tetrahydrofuran	5.073	42	1122	0.616	ug/l #	76
31) Cyclohexane	5.379	56	5151	0.934	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	20311	4.681	ug/l #	49
38) Carbon Tetrachloride	5.379	117	22381	5.961	ug/l #	15
43) Isopropyl Acetate	5.916	43	28634	3.315	ug/l	98
45) 1,2-Dichloropropane	7.041	63	2098	0.612	ug/l #	45
48) Methyl methacrylate	6.899	41	8308	1.976	ug/l #	14
49) 1,4-Dioxane	7.041	88	170	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.793	43	5724	0.910	ug/l	99
54) cis-1,3-Dichloropropene	7.742	75	50212	9.406	ug/l #	56
56) Ethyl methacrylate	8.472	69	282	1.862	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	29547	4.913	ug/l #	43
59) 2-Hexanone	8.729	43	400032	78.126	ug/l #	50
76) 1,2,3-Trichloropropane	10.636	75	96729	19.347	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	96729	53.692	ug/l #	9

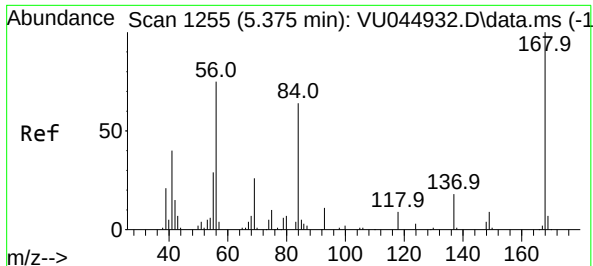
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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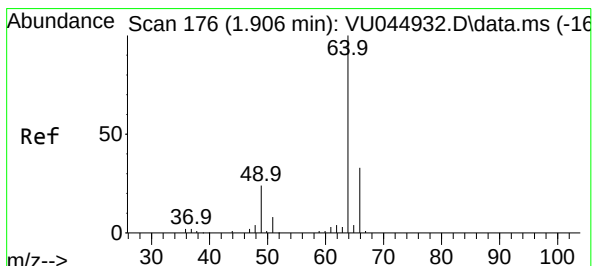
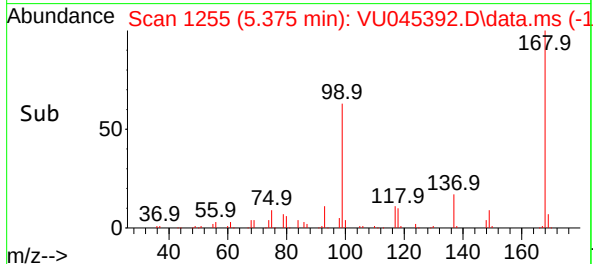
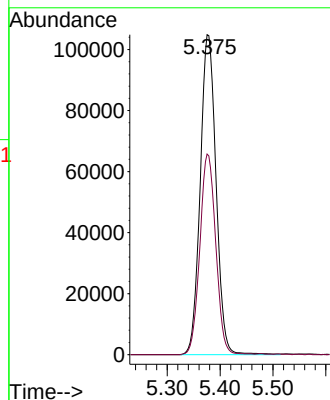
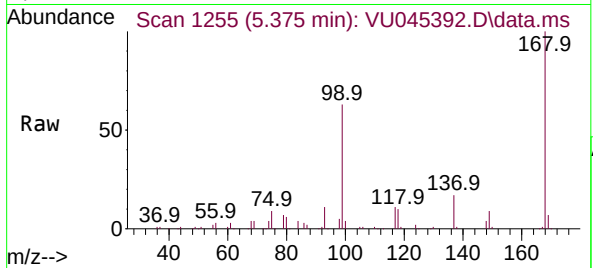




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VU045392.D
Acq: 25 Oct 2021 18:39

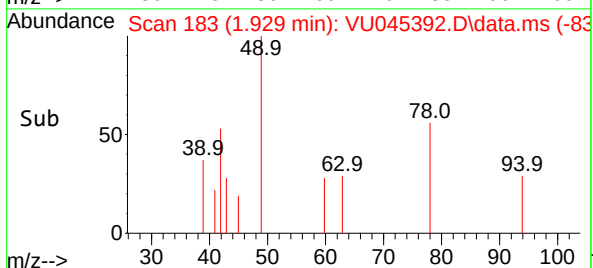
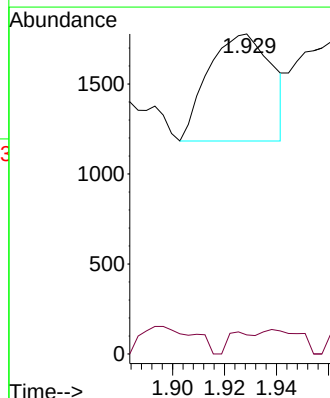
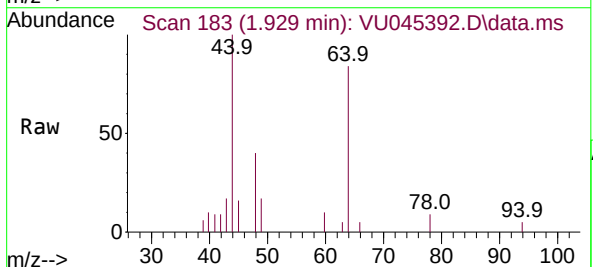
Instrument :
MSVOA_U
ClientSampleId :

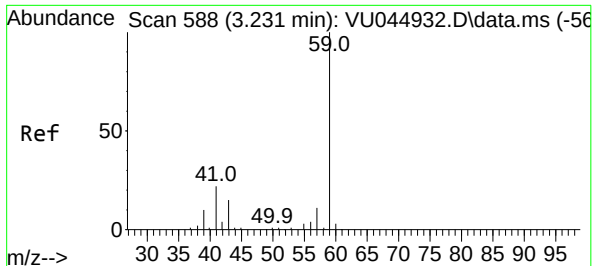
Tgt Ion:168 Resp: 218093
Ion Ratio Lower Upper
168 100
99 62.7 51.4 77.0



#6
Chloroethane
Concen: 0.375 ug/l
RT: 1.929 min Scan# 183
Delta R.T. 0.023 min
Lab File: VU045392.D
Acq: 25 Oct 2021 18:39

Tgt Ion: 64 Resp: 1006
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



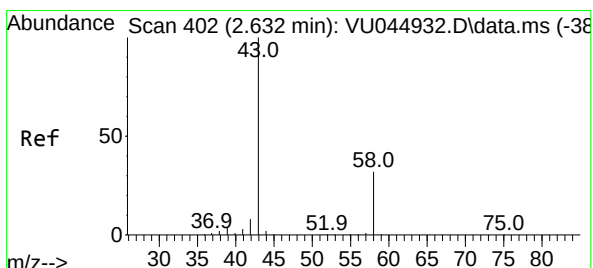
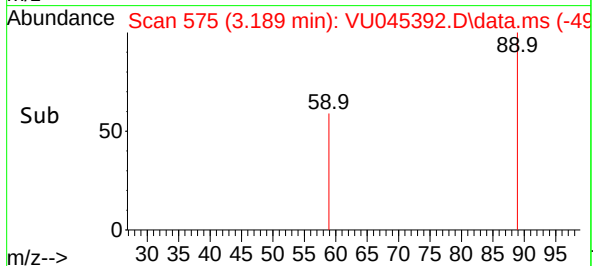
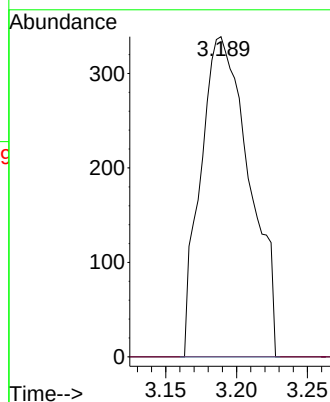
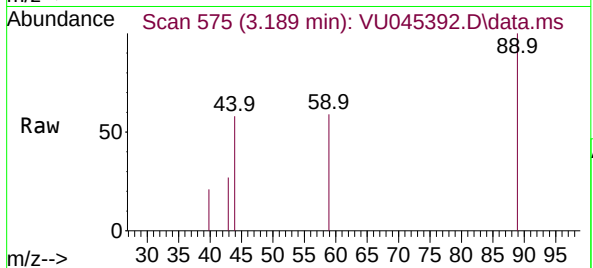


#11

Tert butyl alcohol
Concen: 0.778 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.042 min
Lab File: VU045392.D
Acq: 25 Oct 2021 18:39

Instrument :
MSVOA_U
ClientSampled :

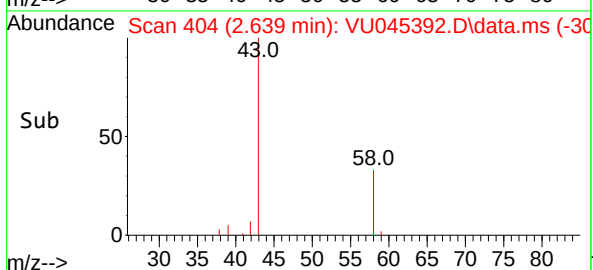
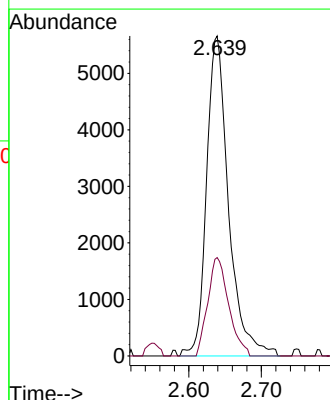
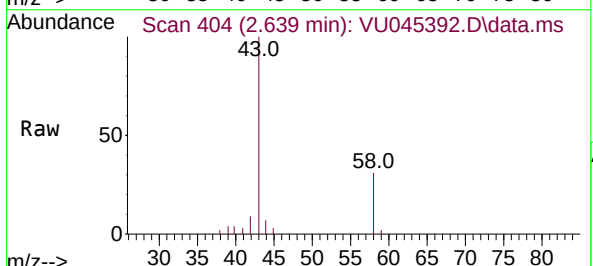
Tgt Ion: 59 Resp: 811
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

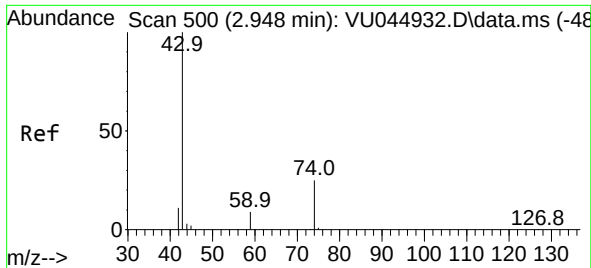


#16

Acetone
Concen: 5.529 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.007 min
Lab File: VU045392.D
Acq: 25 Oct 2021 18:39

Tgt Ion: 43 Resp: 11915
Ion Ratio Lower Upper
43 100
58 30.8 25.2 37.8

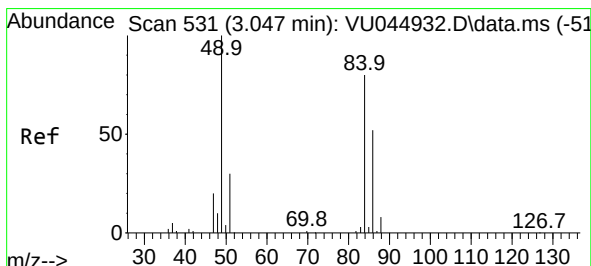
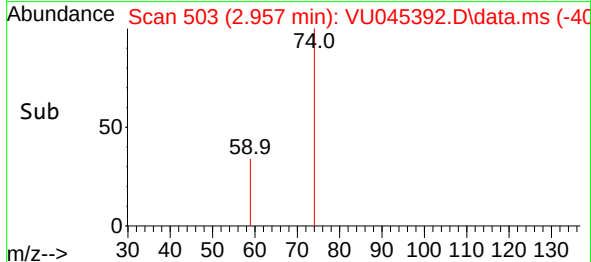
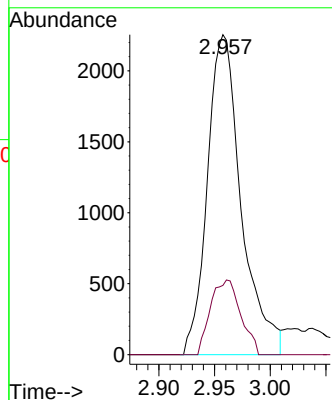
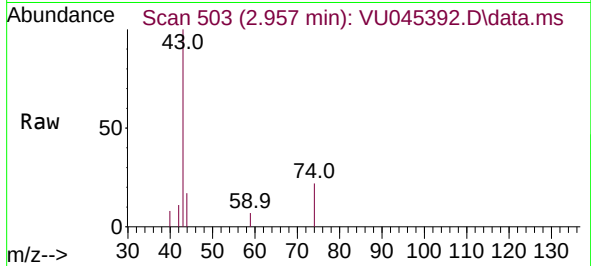




#18
Methyl Acetate
Concen: 0.758 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.009 min
Lab File: VU045392.D
Acq: 25 Oct 2021 18:39

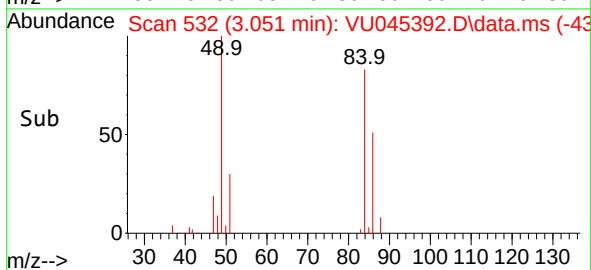
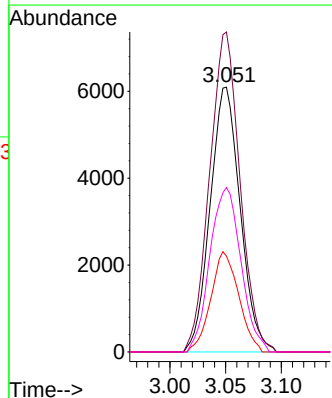
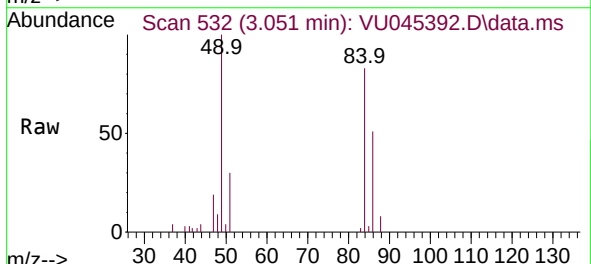
Instrument :
MSVOA_U
ClientSampled :

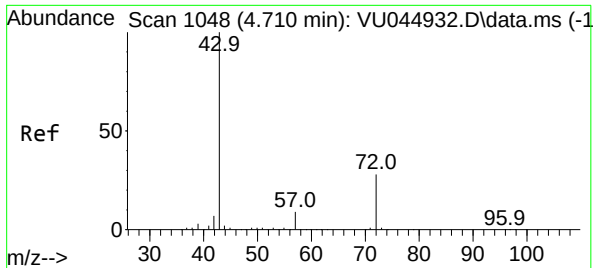
Tgt Ion: 43 Resp: 4772
Ion Ratio Lower Upper
43 100
74 20.8 19.0 28.6



#20
Methylene Chloride
Concen: 3.525 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.004 min
Lab File: VU045392.D
Acq: 25 Oct 2021 18:39

Tgt Ion: 84 Resp: 11441
Ion Ratio Lower Upper
84 100
49 120.9 104.9 157.3
51 36.2 31.8 47.8
86 62.1 49.8 74.6

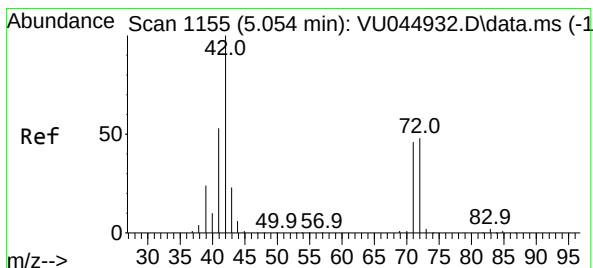
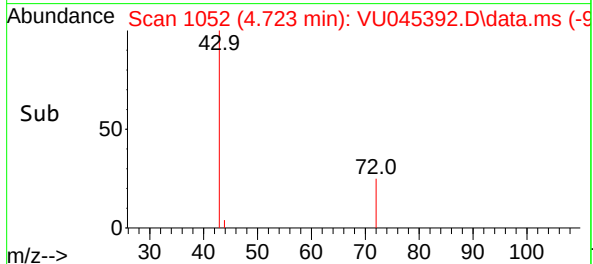
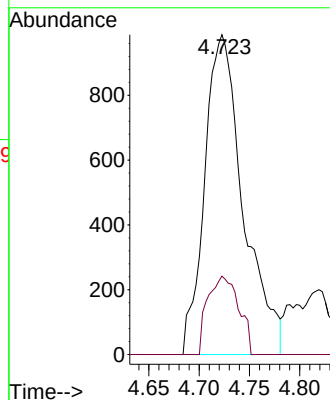
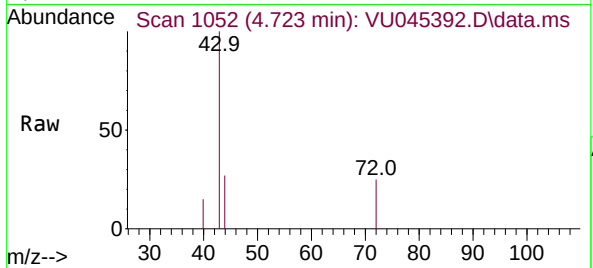




#25
2-Butanone
Concen: 0.861 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.013 min
Lab File: VU045392.D
Acq: 25 Oct 2021 18:39

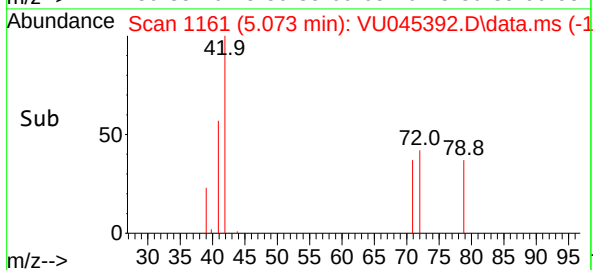
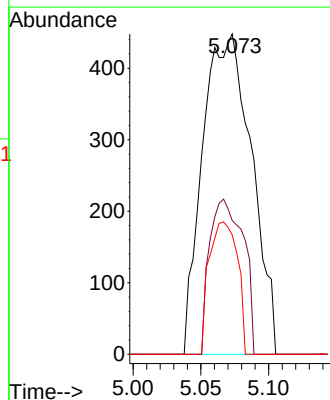
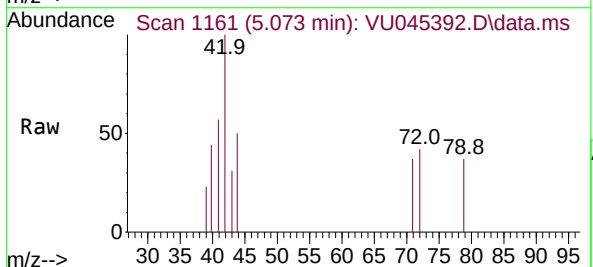
Instrument :
MSVOA_U
ClientSampled :

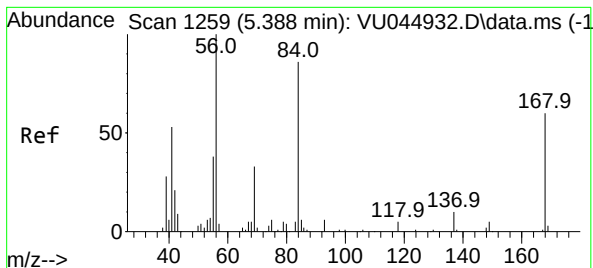
Tgt Ion: 43 Resp: 2636
Ion Ratio Lower Upper
43 100
72 24.5 21.3 31.9



#29
Tetrahydrofuran
Concen: 0.616 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.019 min
Lab File: VU045392.D
Acq: 25 Oct 2021 18:39

Tgt Ion: 42 Resp: 1122
Ion Ratio Lower Upper
42 100
72 33.4 36.2 54.4#
71 23.9 34.1 51.1#





#31

Cyclohexane

Concen: 0.934 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.009 min

Lab File: VU045392.D

Acq: 25 Oct 2021 18:39

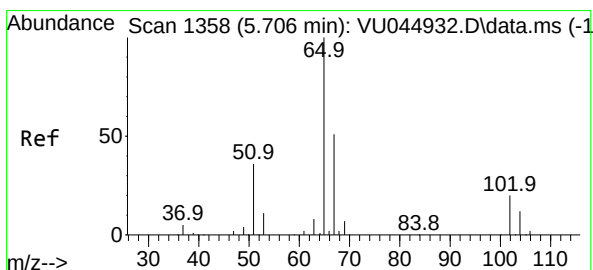
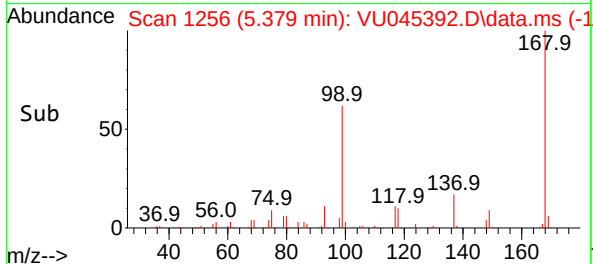
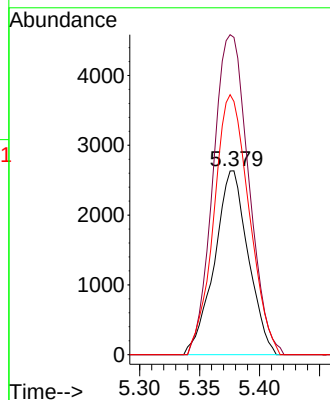
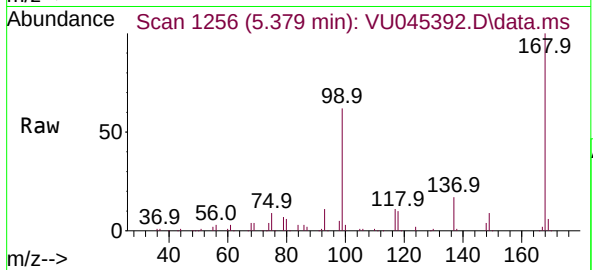
Tgt Ion: 56 Resp: 5151

Ion Ratio Lower Upper

56 100

69 172.6 25.2 37.8#

84 137.7 66.4 99.6#



#33

1,2-Dichloroethane-d4

Concen: 48.941 ug/l

RT: 5.707 min Scan# 1358

Delta R.T. 0.001 min

Lab File: VU045392.D

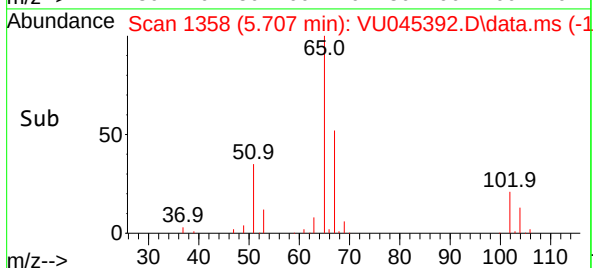
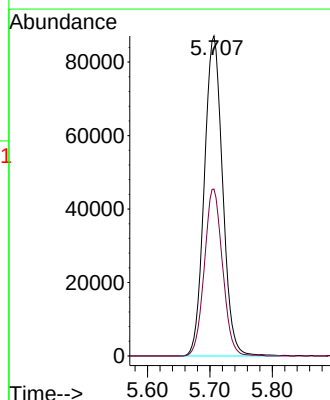
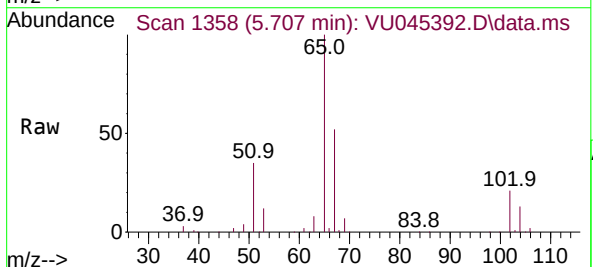
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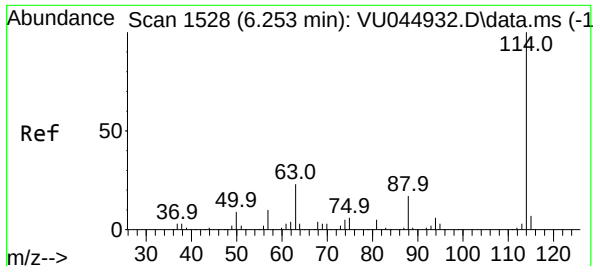
Tgt Ion: 65 Resp: 177676

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. 0.000 min

Lab File: VU045392.D

Acq: 25 Oct 2021 18:39

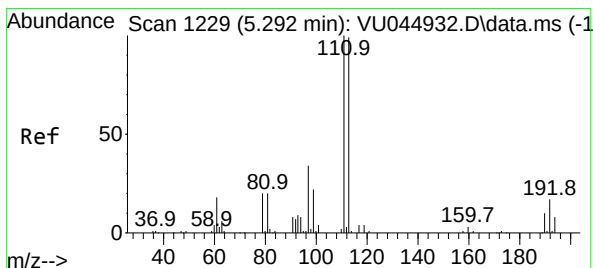
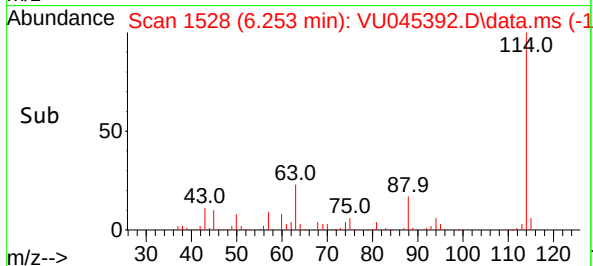
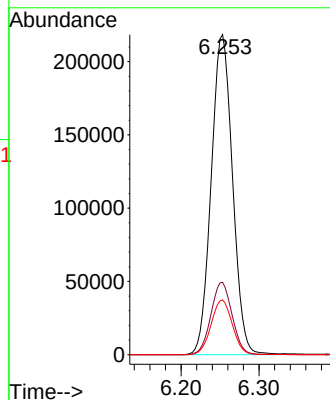
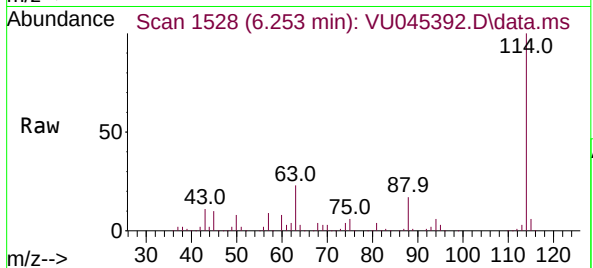
Tgt Ion:114 Resp: 414906

Ion Ratio Lower Upper

114 100

63 22.6 0.0 47.8

88 17.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.276 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045392.D

Acq: 25 Oct 2021 18:39

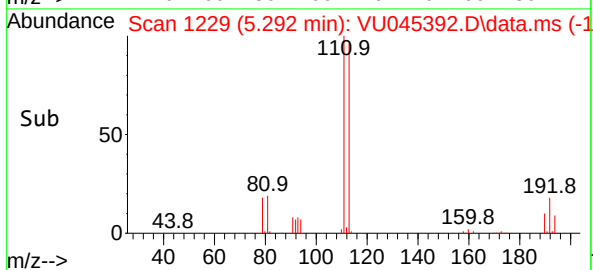
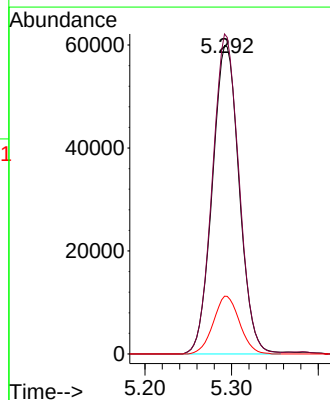
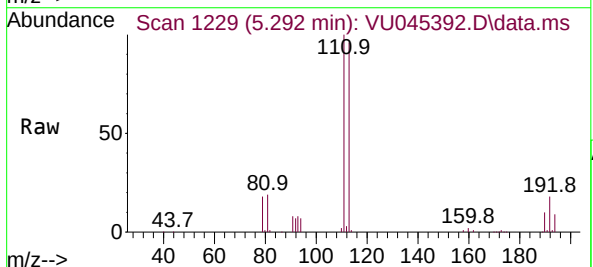
Tgt Ion:113 Resp: 128973

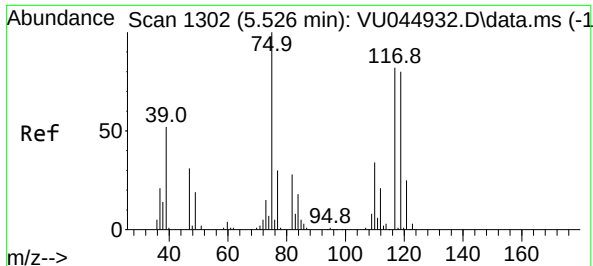
Ion Ratio Lower Upper

113 100

111 102.8 84.1 126.1

192 18.3 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.681 ug/l

RT: 5.379 min Scan# 1256

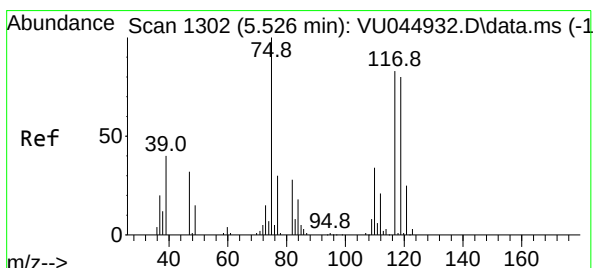
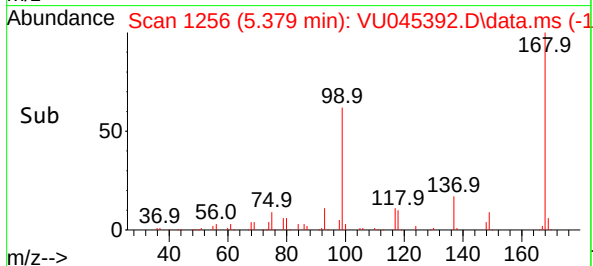
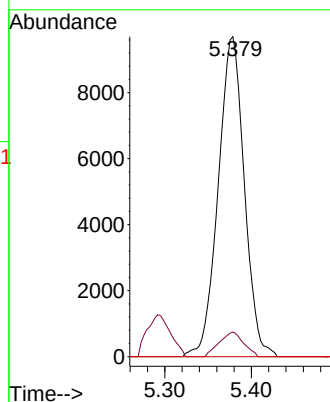
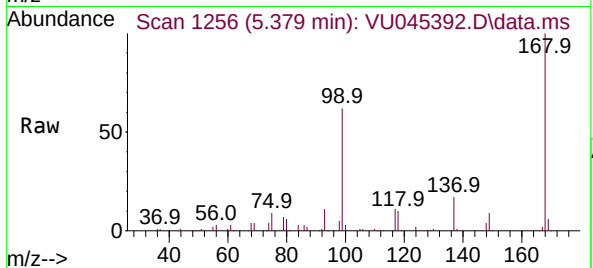
Delta R.T. -0.147 min

Lab File: VU045392.D

Acq: 25 Oct 2021 18:39

Tgt Ion:	75	Resp:	20311
Ion	Ratio	Lower	Upper
75	100		
110	7.2	16.3	48.9#
77	0.0	25.0	37.4#

Instrument :
MSVOA_U
ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.961 ug/l

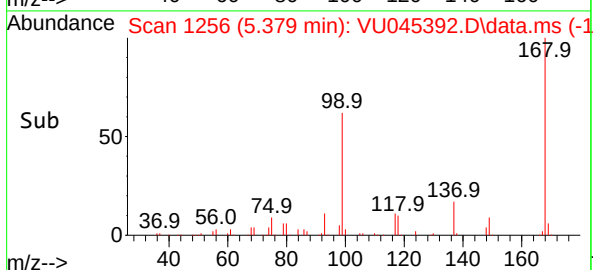
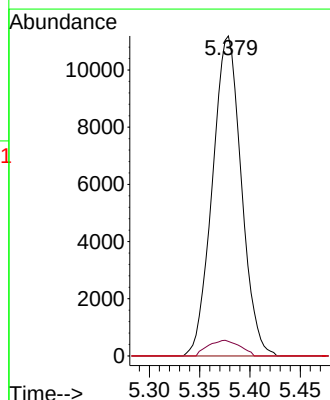
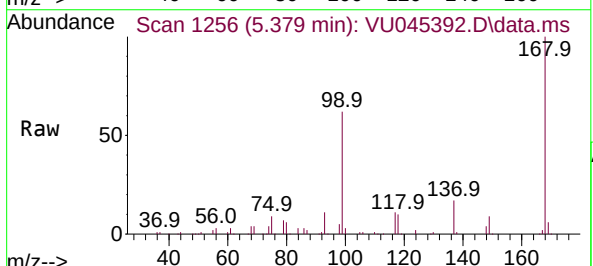
RT: 5.379 min Scan# 1256

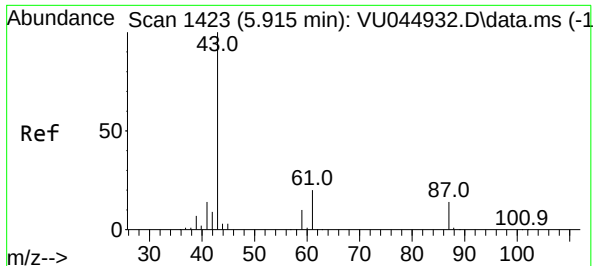
Delta R.T. -0.147 min

Lab File: VU045392.D

Acq: 25 Oct 2021 18:39

Tgt Ion:	117	Resp:	22381
Ion	Ratio	Lower	Upper
117	100		
119	4.6	77.4	116.2#
121	0.0	24.5	36.7#

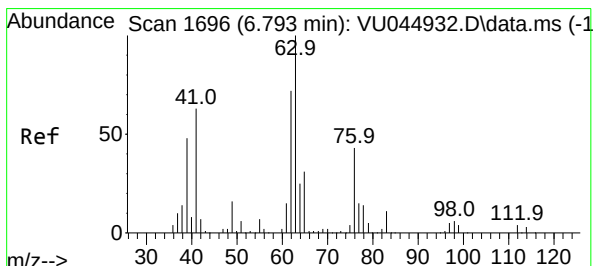
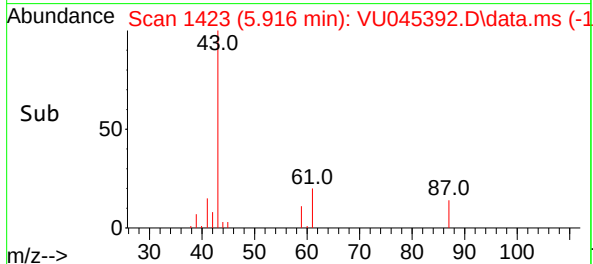
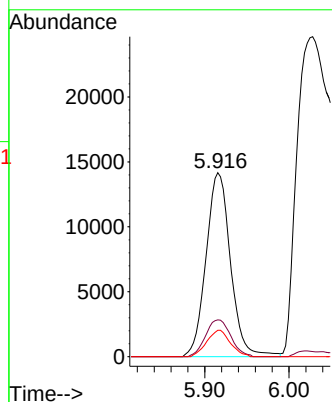
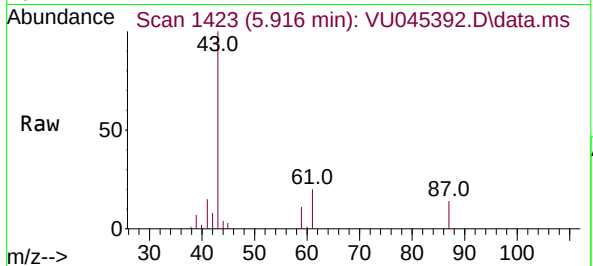




#43
Isopropyl Acetate
Concen: 3.315 ug/l
RT: 5.916 min Scan# 1423
Delta R.T. 0.001 min
Lab File: VU045392.D
Acq: 25 Oct 2021 18:39

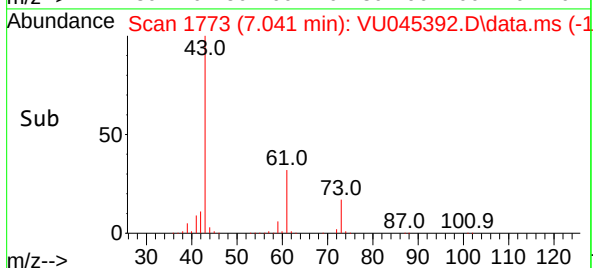
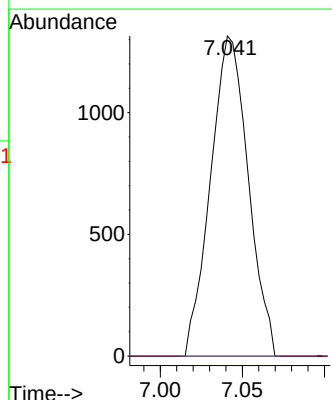
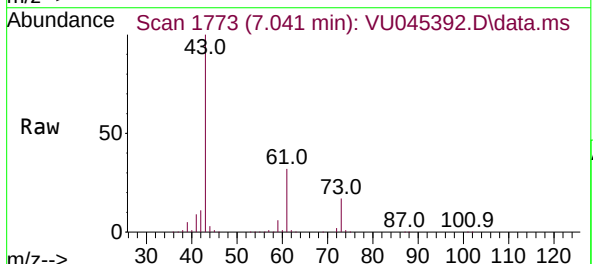
Instrument :
MSVOA_U
ClientSampleId :

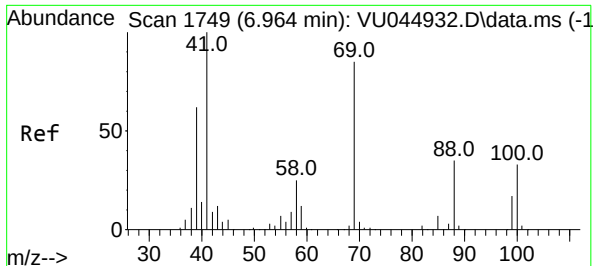
Tgt Ion:	43	Resp:	28634
Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.1	24.1
87	13.8	10.3	15.5



#45
1,2-Dichloropropane
Concen: 0.612 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.248 min
Lab File: VU045392.D
Acq: 25 Oct 2021 18:39

Tgt Ion:	63	Resp:	2098
Ion	Ratio	Lower	Upper
63	100		
65	0.0	23.9	35.9#





#48

Methyl methacrylate

Concen: 1.976 ug/l

RT: 6.899 min Scan# 1729

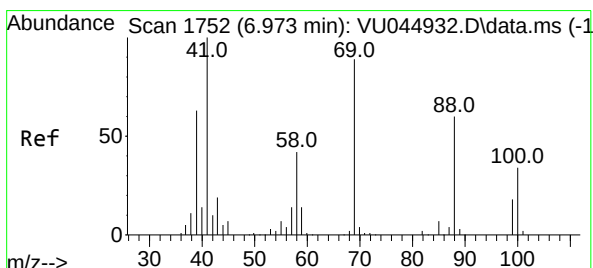
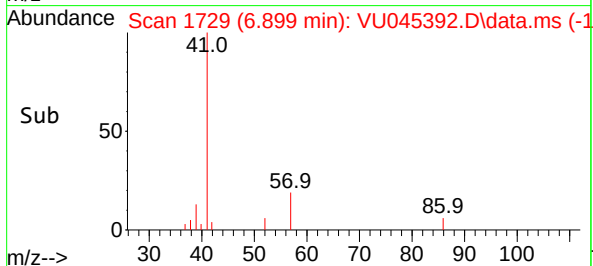
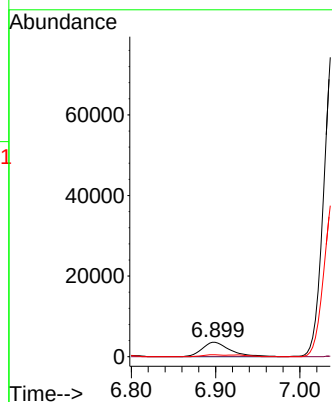
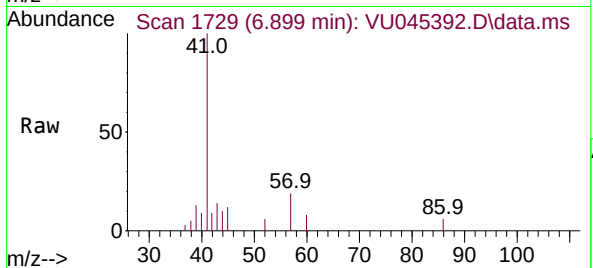
Delta R.T. -0.065 min

Lab File: VU045392.D

Acq: 25 Oct 2021 18:39

Tgt Ion:	41	Resp:	8308
Ion	Ratio	Lower	Upper
41	100		
69	0.0	65.6	98.4#
39	0.0	46.2	69.4#

Instrument :
MSVOA_U
ClientSampled :



#49

1,4-Dioxane

Concen: Below Cal

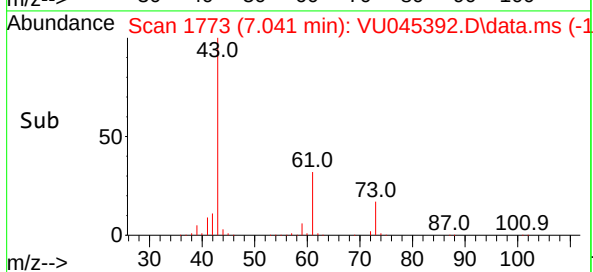
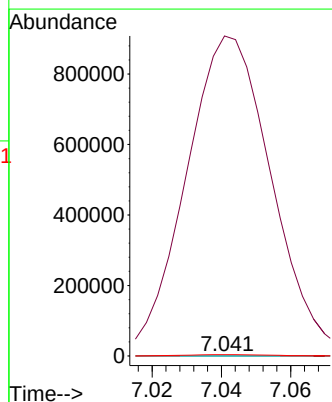
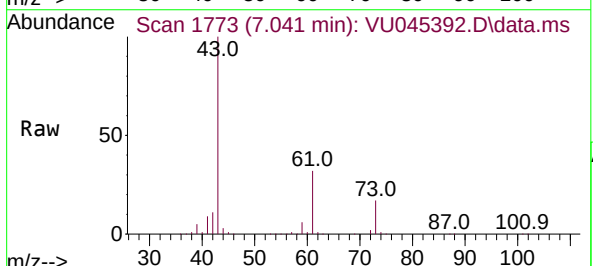
RT: 7.041 min Scan# 1773

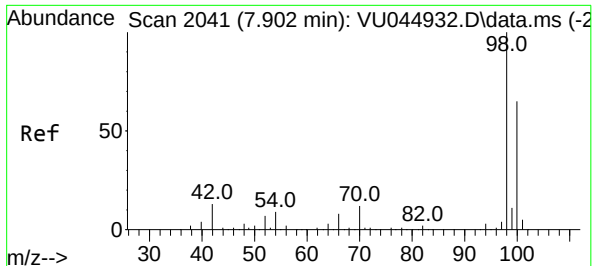
Delta R.T. 0.068 min

Lab File: VU045392.D

Acq: 25 Oct 2021 18:39

Tgt Ion:	88	Resp:	170
Ion	Ratio	Lower	Upper
88	100		
43	932545.9	25.8	38.6#
58	3971.8	61.3	91.9#

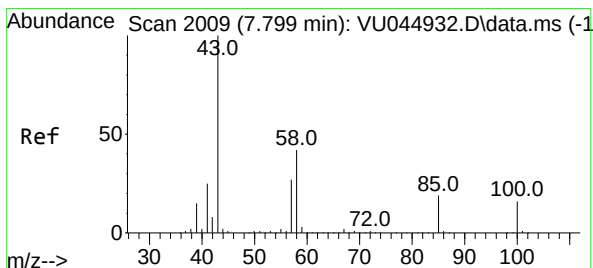
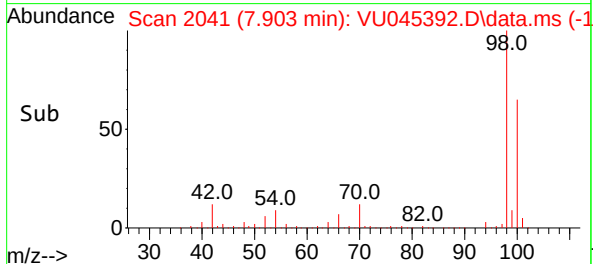
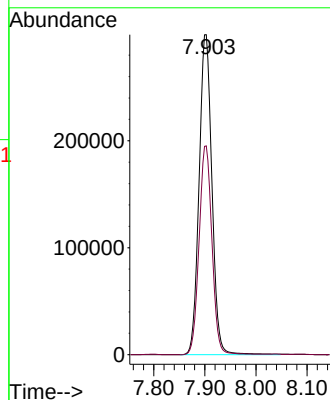
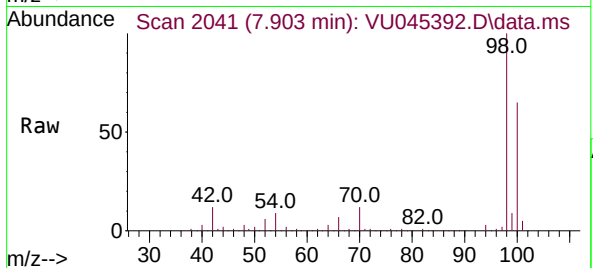




#50
Toluene-d8
Concen: 50.504 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.001 min
Lab File: VU045392.D
Acq: 25 Oct 2021 18:39

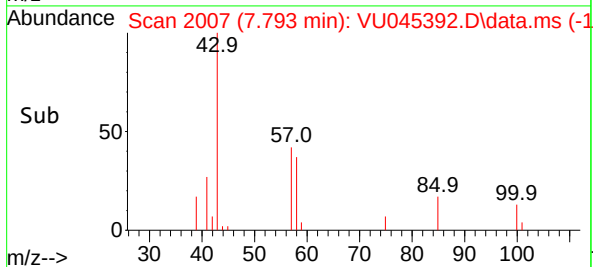
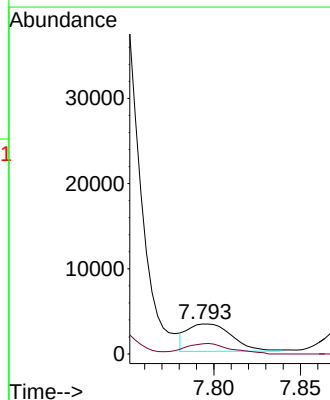
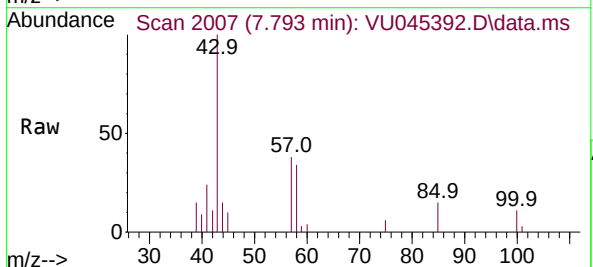
Instrument :
MSVOA_U
ClientSampled :

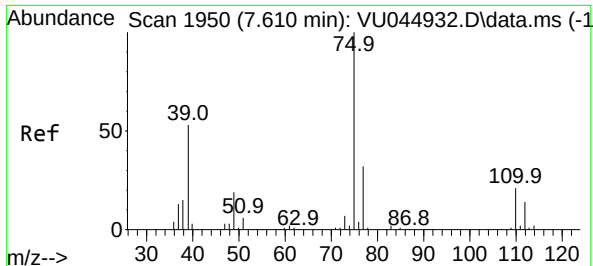
Tgt Ion: 98 Resp: 522293
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.910 ug/l
RT: 7.793 min Scan# 2007
Delta R.T. -0.006 min
Lab File: VU045392.D
Acq: 25 Oct 2021 18:39

Tgt Ion: 43 Resp: 5724
Ion Ratio Lower Upper
43 100
58 39.9 32.4 48.6

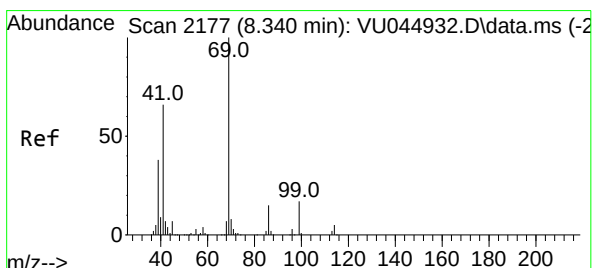
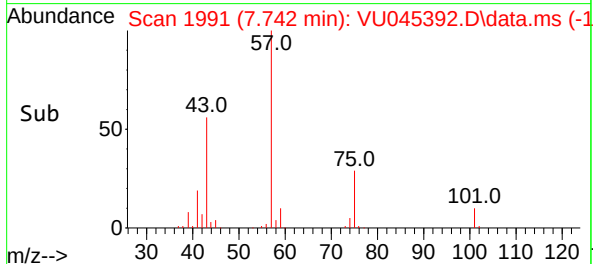
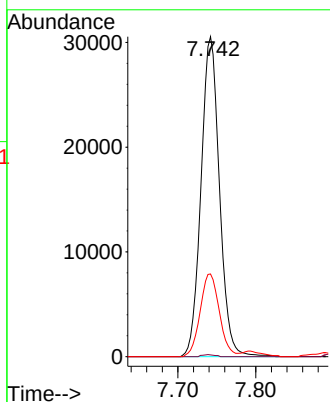
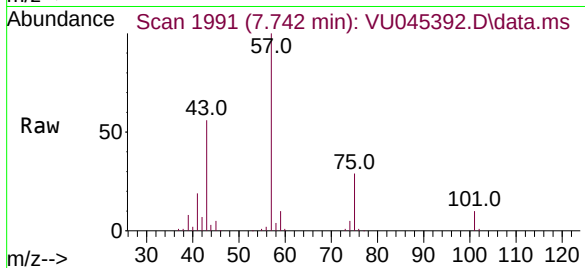




#54
 cis-1,3-Dichloropropene
 Concen: 9.406 ug/l
 RT: 7.742 min Scan# 1991
 Delta R.T. 0.132 min
 Lab File: VU045392.D
 Acq: 25 Oct 2021 18:39

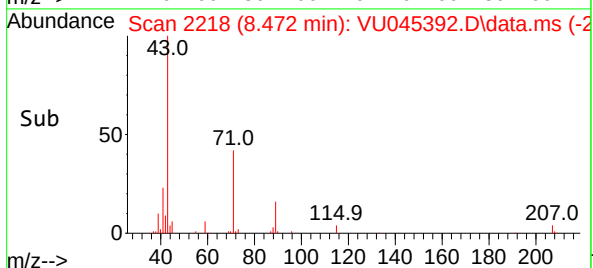
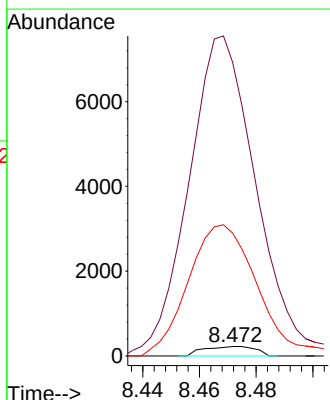
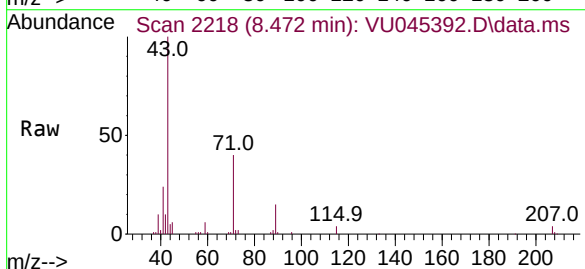
Instrument :
 MSVOA_U
 ClientSampled :

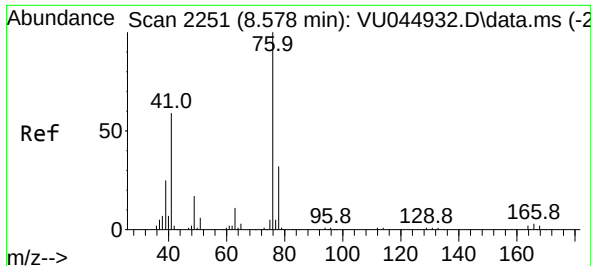
Tgt Ion: 75 Resp: 50212
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.6#
 39 25.8 41.4 62.2#



#56
 Ethyl methacrylate
 Concen: 1.862 ug/l
 RT: 8.472 min Scan# 2218
 Delta R.T. 0.132 min
 Lab File: VU045392.D
 Acq: 25 Oct 2021 18:39

Tgt Ion: 69 Resp: 282
 Ion Ratio Lower Upper
 69 100
 41 4453.2 53.5 80.3#
 39 1863.5 31.1 46.7#





#57

1,3-Dichloropropane

Concen: 4.913 ug/l

RT: 8.729 min Scan# 2298

Delta R.T. 0.151 min

Lab File: VU045392.D

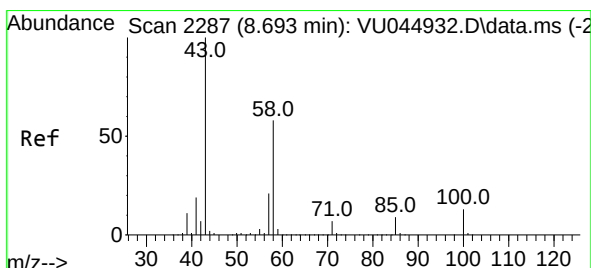
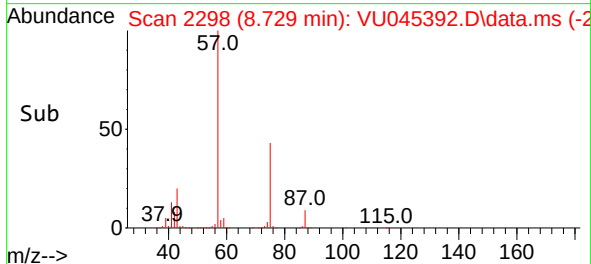
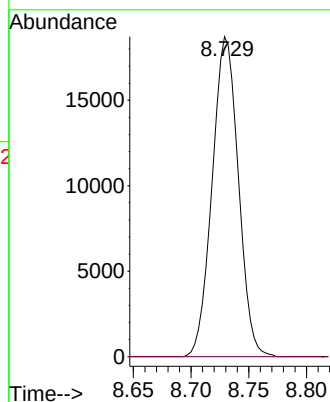
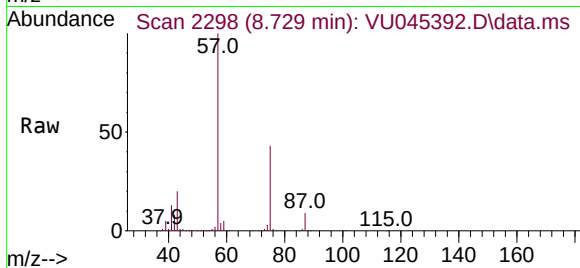
Acq: 25 Oct 2021 18:39

Tgt Ion: 76 Resp: 29547

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 78.126 ug/l

RT: 8.729 min Scan# 2298

Delta R.T. 0.036 min

Lab File: VU045392.D

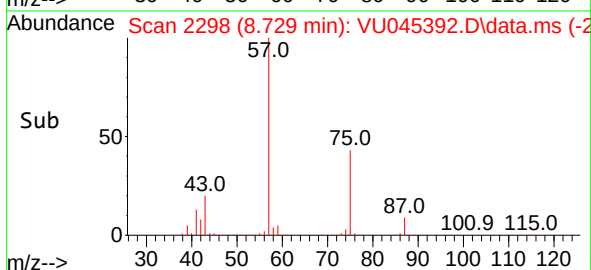
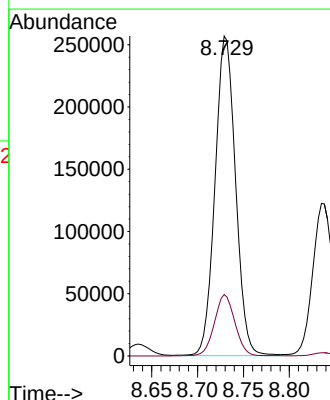
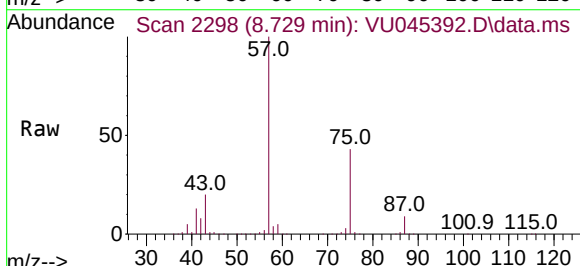
Acq: 25 Oct 2021 18:39

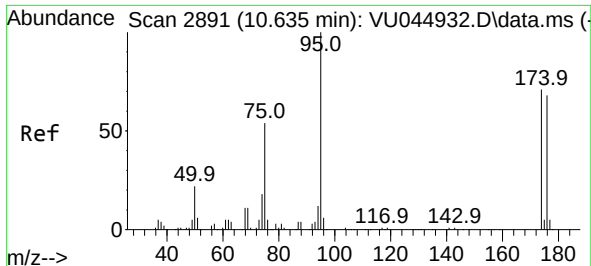
Tgt Ion: 43 Resp: 400032

Ion Ratio Lower Upper

43 100

58 19.3 28.0 84.0#

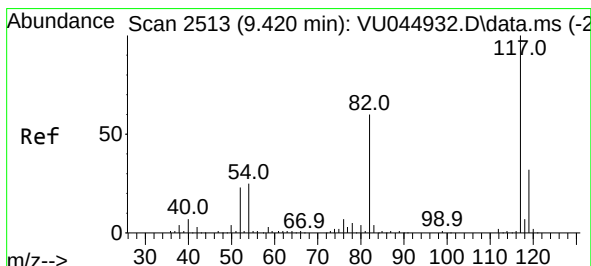
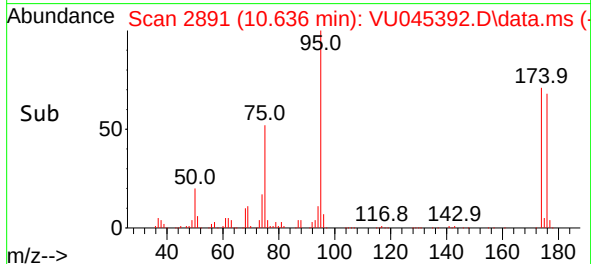
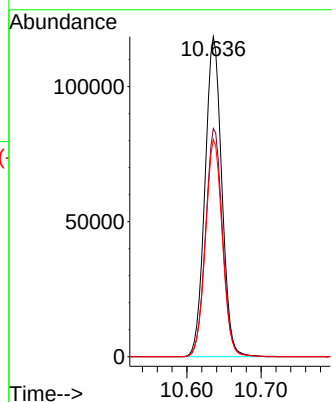
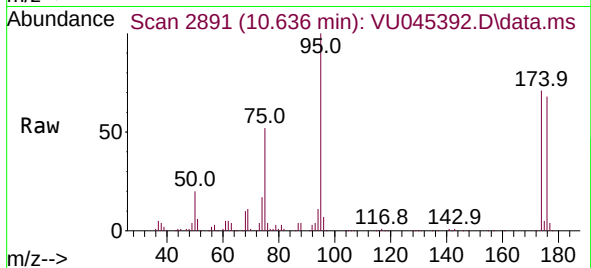




#62
4-Bromofluorobenzene
Concen: 43.544 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU045392.D
Acq: 25 Oct 2021 18:39

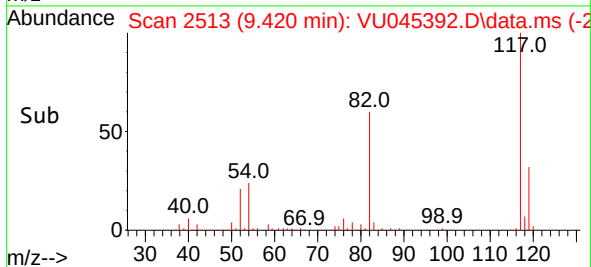
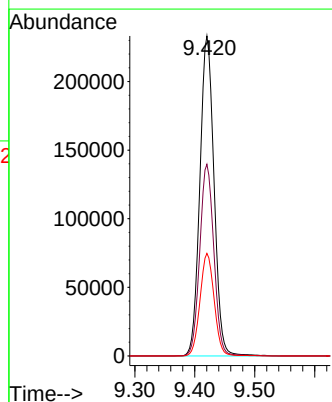
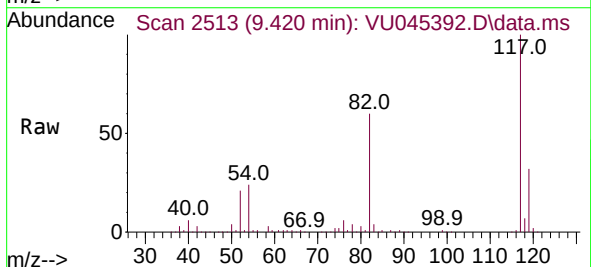
Instrument :
MSVOA_U
ClientSampleId :

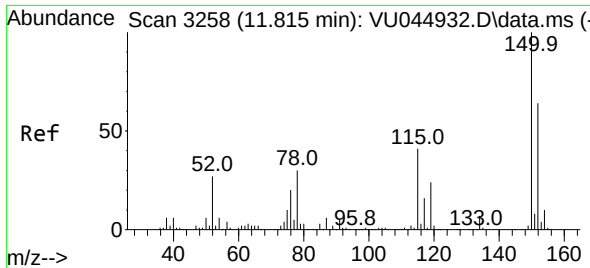
Tgt Ion: 95 Resp: 185915
Ion Ratio Lower Upper
95 100
174 72.0 0.0 146.6
176 68.2 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045392.D
Acq: 25 Oct 2021 18:39

Tgt Ion: 117 Resp: 384597
Ion Ratio Lower Upper
117 100
82 59.9 47.8 71.8
119 32.0 25.8 38.6

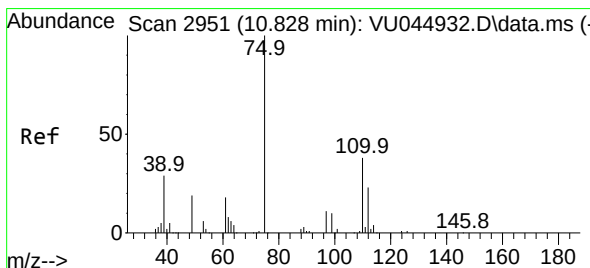
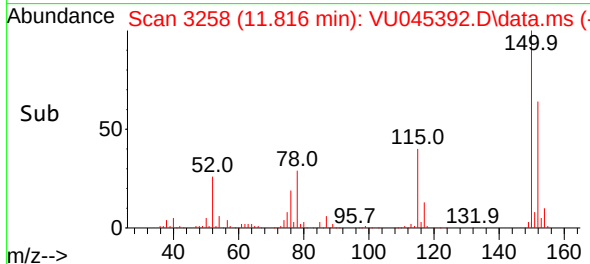
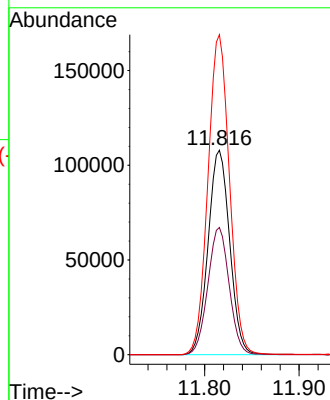
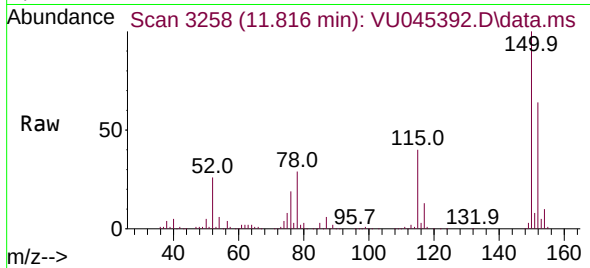




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 3258
 Delta R.T. 0.001 min
 Lab File: VU045392.D
 Acq: 25 Oct 2021 18:39

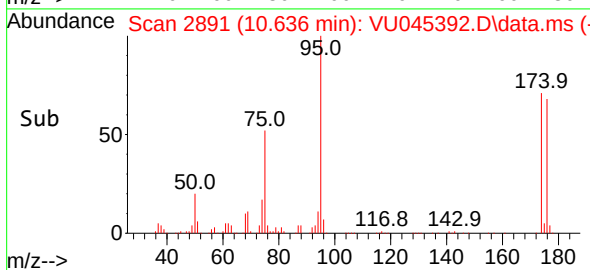
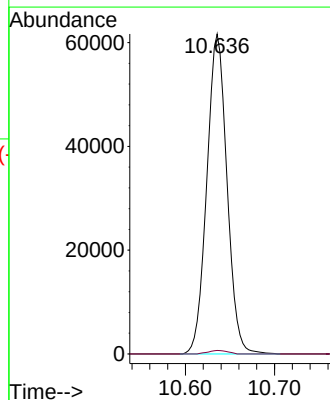
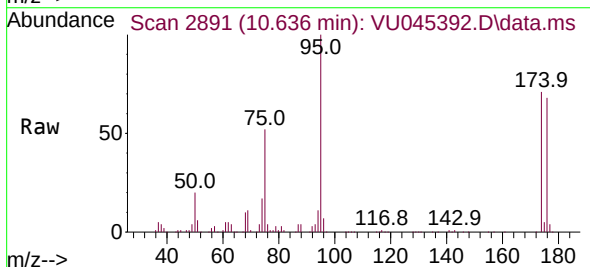
Instrument :
 MSVOA_U
 ClientSampled :

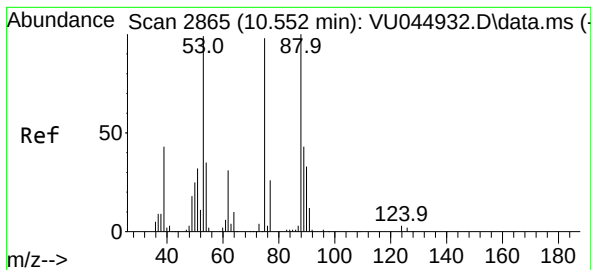
Tgt Ion:152 Resp: 171406
 Ion Ratio Lower Upper
 152 100
 115 61.5 43.5 130.7
 150 155.9 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 19.347 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.192 min
 Lab File: VU045392.D
 Acq: 25 Oct 2021 18:39

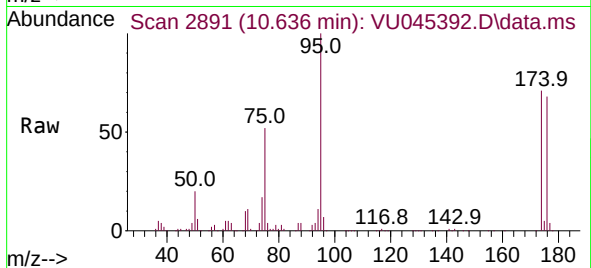
Tgt Ion: 75 Resp: 96729
 Ion Ratio Lower Upper
 75 100
 77 1.1 17.9 53.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.692 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. 0.084 min
 Lab File: VU045392.D
 Acq: 25 Oct 2021 18:39

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 96729
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#

