

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102521\
 Data File : VU045393.D
 Acq On : 25 Oct 2021 19:03
 Operator : SY/MD
 Sample : M4300-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 04:46:08 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

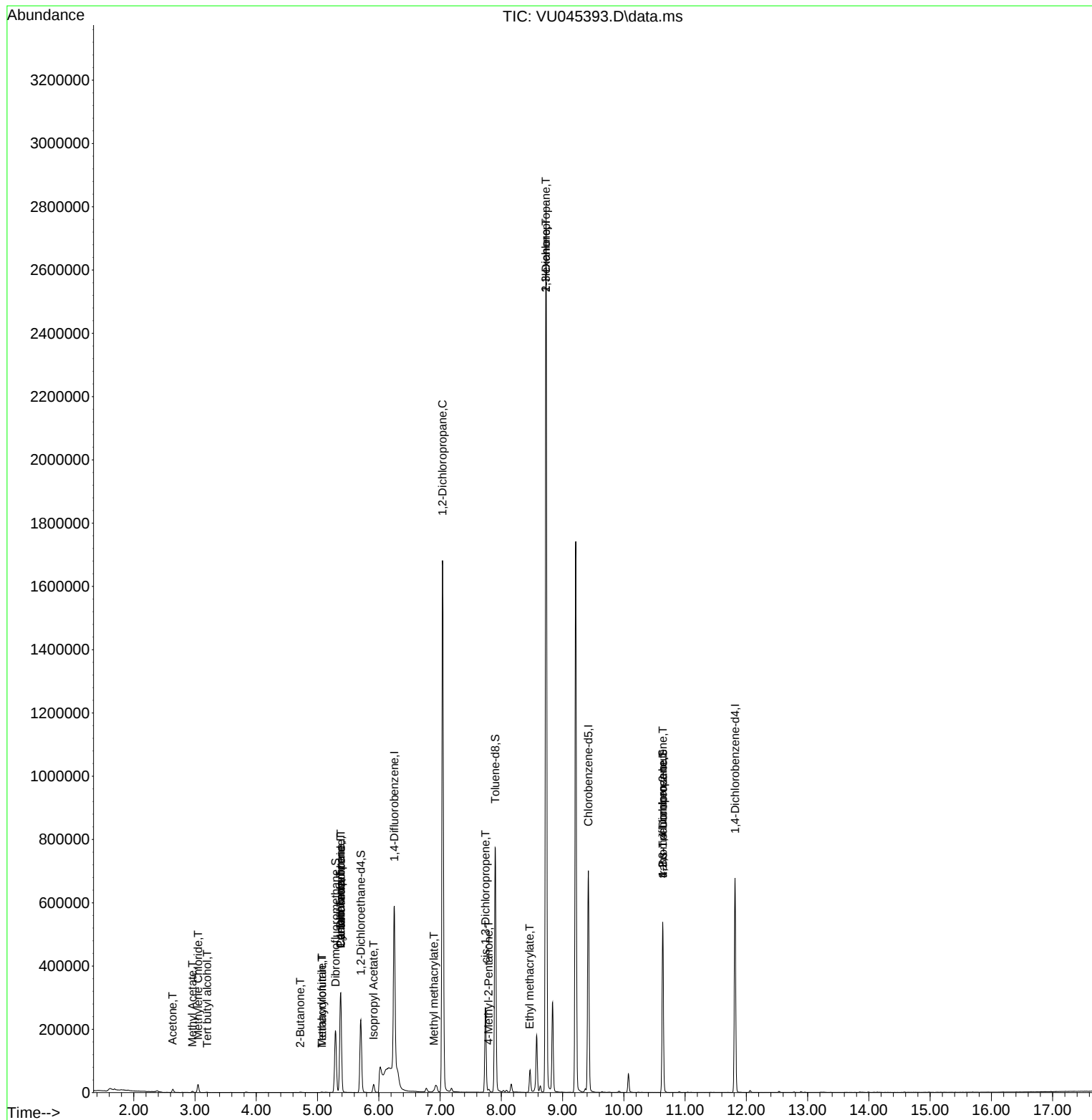
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.378	168	211600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	406845	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	371027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	165753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	173244	49.184	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.360%
35) Dibromofluoromethane	5.295	113	126581	49.320	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.640%
50) Toluene-d8	7.902	98	502914	49.594	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.180%
62) 4-Bromofluorobenzene	10.636	95	178675	42.677	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.360%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.199	59	805	0.796	ug/l #	72
16) Acetone	2.636	43	12774	6.110	ug/l	99
18) Methyl Acetate	2.957	43	5132	0.840	ug/l	92
20) Methylene Chloride	3.051	84	11930	3.788	ug/l	91
25) 2-Butanone	4.716	43	2820	0.949	ug/l	93
29) Tetrahydrofuran	5.073	42	1035	0.585	ug/l #	86
31) Cyclohexane	5.375	56	5188	0.970	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	19314	4.540	ug/l #	50
38) Carbon Tetrachloride	5.378	117	21569	5.859	ug/l #	16
41) Methacrylonitrile	5.073	41	622	0.215	ug/l #	32
43) Isopropyl Acetate	5.915	43	27384	3.233	ug/l	98
45) 1,2-Dichloropropane	7.041	63	2150	0.640	ug/l #	45
48) Methyl methacrylate	6.899	41	8307	2.015	ug/l #	14
49) 1,4-Dioxane	7.038	88	208	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.793	43	5927	0.961	ug/l	90
54) cis-1,3-Dichloropropene	7.742	75	47217	9.021	ug/l #	57
56) Ethyl methacrylate	8.462	69	240	1.857	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	28743	4.874	ug/l #	43
59) 2-Hexanone	8.729	43	384380	76.557	ug/l #	50
76) 1,2,3-Trichloropropane	10.636	75	93794	19.400	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	93794	53.839	ug/l #	9

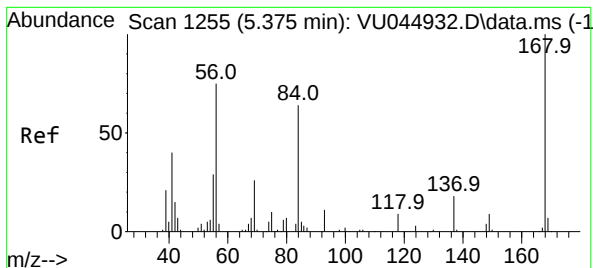
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. 0.003 min

Lab File: VU045393.D

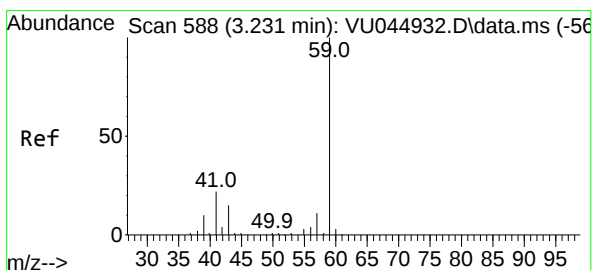
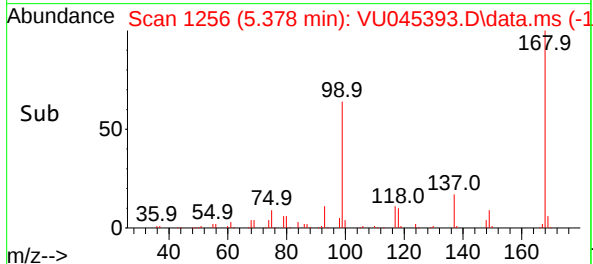
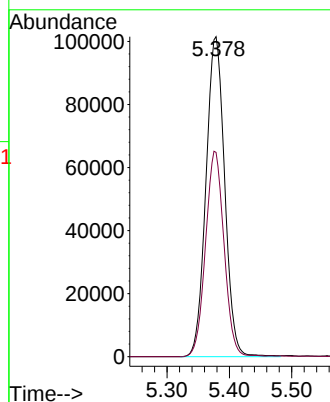
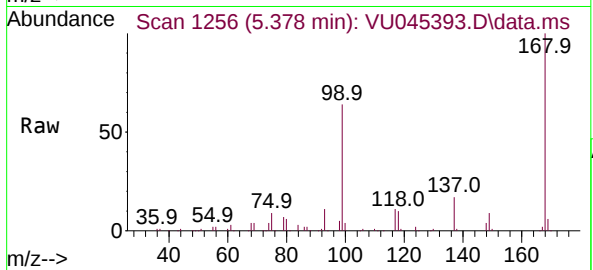
Acq: 25 Oct 2021 19:03

Tgt Ion:168 Resp: 211600

Ion Ratio Lower Upper

168 100

99 63.9 51.4 77.0



#11

Tert butyl alcohol

Concen: 0.796 ug/l

RT: 3.199 min Scan# 578

Delta R.T. -0.032 min

Lab File: VU045393.D

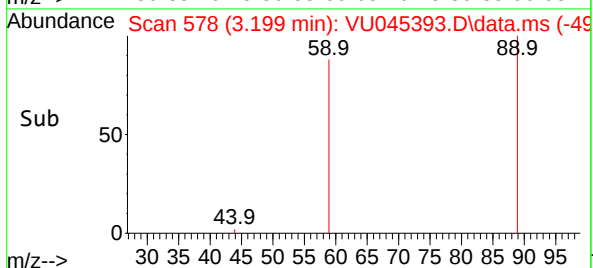
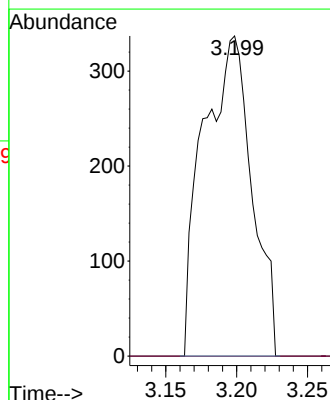
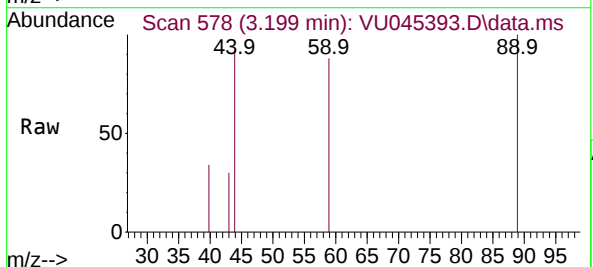
Acq: 25 Oct 2021 19:03

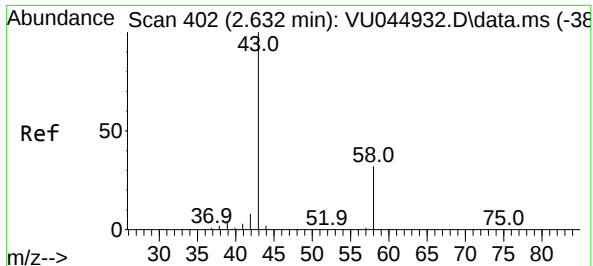
Tgt Ion: 59 Resp: 805

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

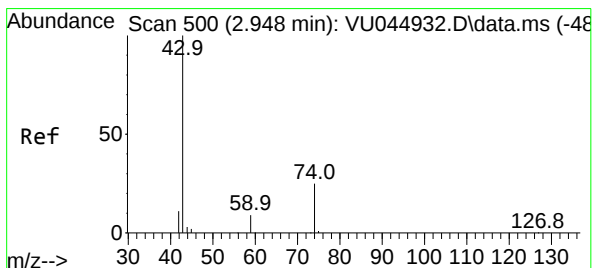
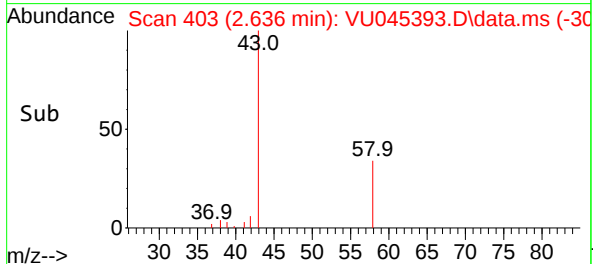
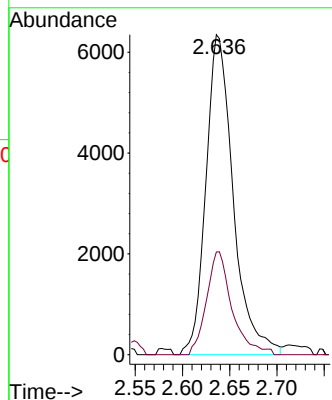
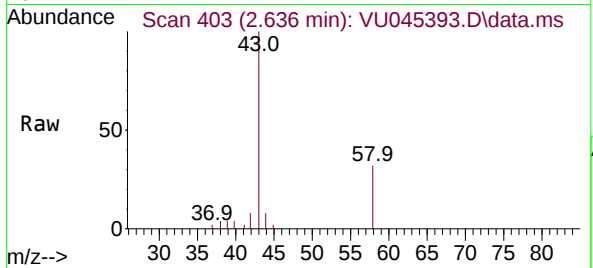




#16
Acetone
Concen: 6.110 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.004 min
Lab File: VU045393.D
Acq: 25 Oct 2021 19:03

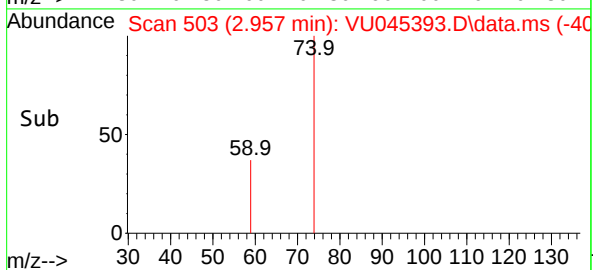
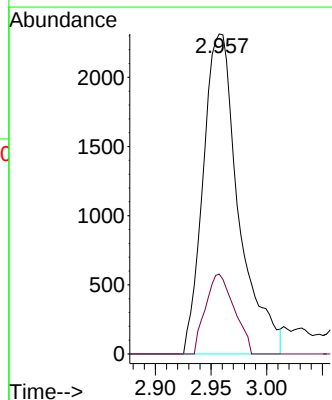
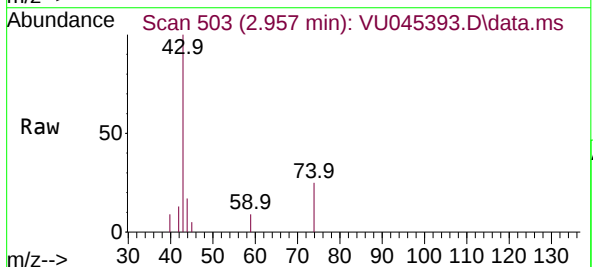
Instrument :
MSVOA_U
ClientSampled :

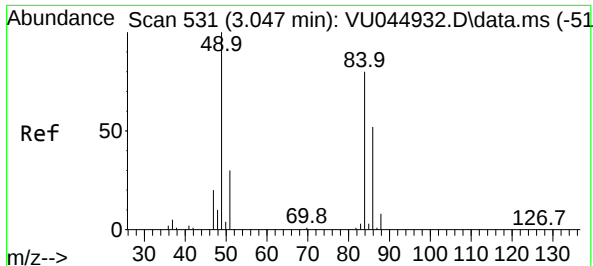
Tgt Ion: 43 Resp: 12774
Ion Ratio Lower Upper
43 100
58 32.1 25.2 37.8



#18
Methyl Acetate
Concen: 0.840 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.009 min
Lab File: VU045393.D
Acq: 25 Oct 2021 19:03

Tgt Ion: 43 Resp: 5132
Ion Ratio Lower Upper
43 100
74 20.1 19.0 28.6

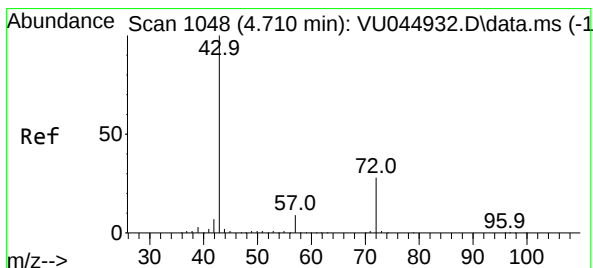
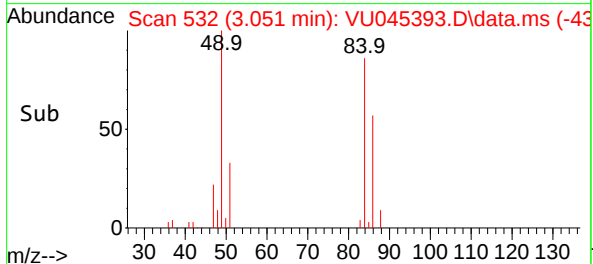
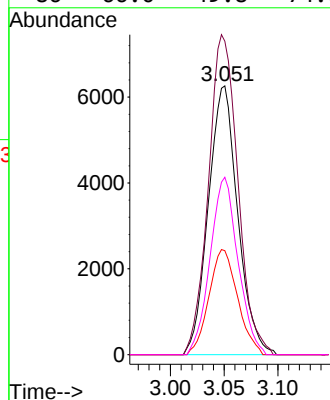
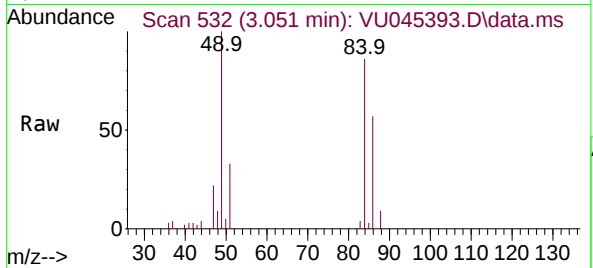




#20
Methylene Chloride
Concen: 3.788 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.004 min
Lab File: VU045393.D
Acq: 25 Oct 2021 19:03

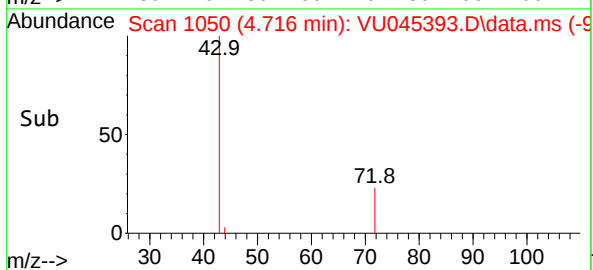
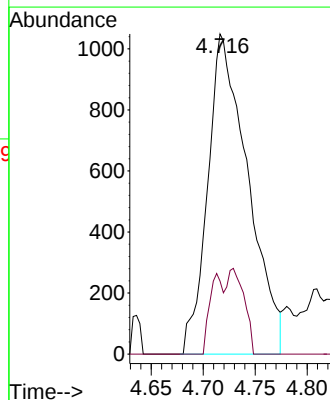
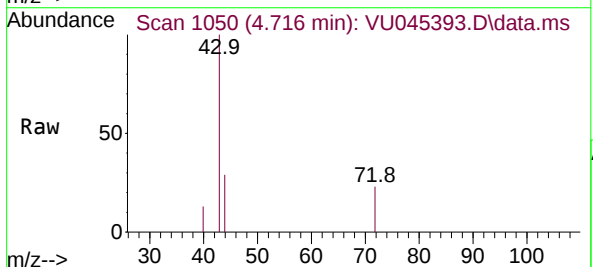
Instrument :
MSVOA_U
ClientSampleId :

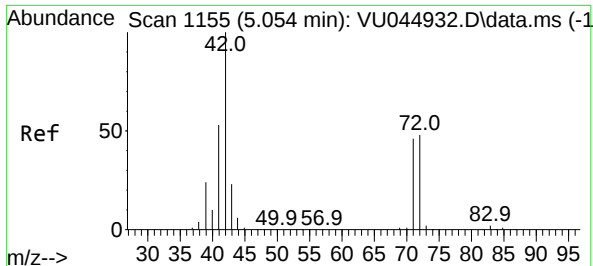
Tgt Ion:	84	Resp:	11930
Ion	Ratio	Lower	Upper
84	100		
49	116.6	104.9	157.3
51	38.7	31.8	47.8
86	66.0	49.8	74.6



#25
2-Butanone
Concen: 0.949 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU045393.D
Acq: 25 Oct 2021 19:03

Tgt Ion:	43	Resp:	2820
Ion	Ratio	Lower	Upper
43	100		
72	22.8	21.3	31.9





#29

Tetrahydrofuran

Concen: 0.585 ug/l

RT: 5.073 min Scan# 1161

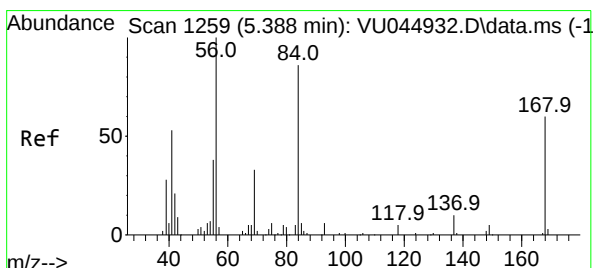
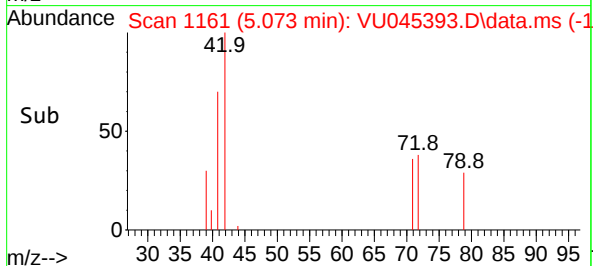
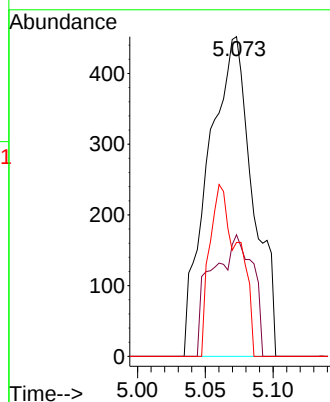
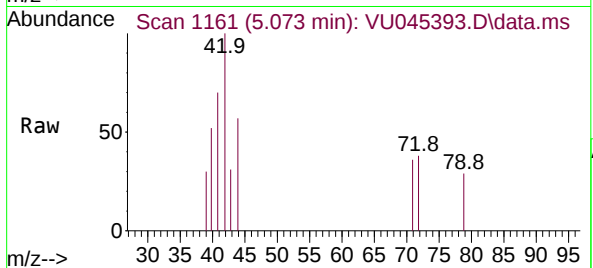
Delta R.T. 0.019 min

Lab File: VU045393.D

Acq: 25 Oct 2021 19:03

Tgt Ion:	42	Resp:	1035
Ion	Ratio	Lower	Upper
42	100		
72	34.6	36.2	54.4#
71	34.7	34.1	51.1

Instrument :
MSVOA_U
ClientSampled :



#31

Cyclohexane

Concen: 0.970 ug/l

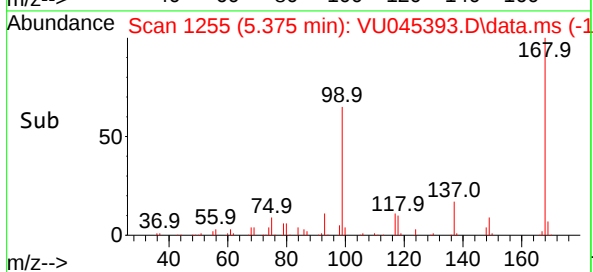
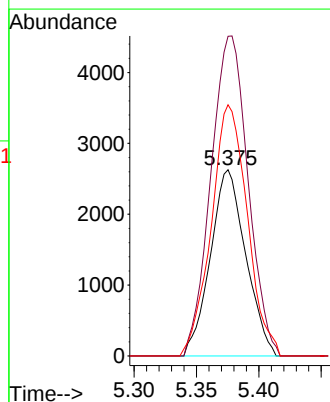
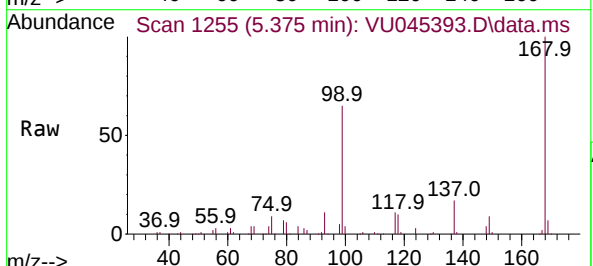
RT: 5.375 min Scan# 1255

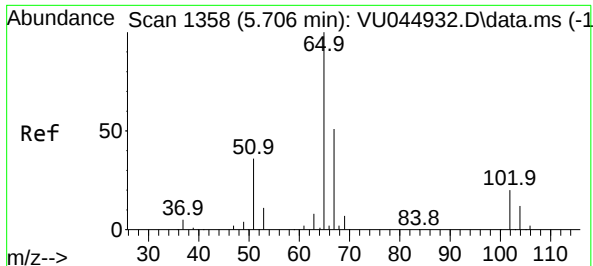
Delta R.T. -0.013 min

Lab File: VU045393.D

Acq: 25 Oct 2021 19:03

Tgt Ion:	56	Resp:	5188
Ion	Ratio	Lower	Upper
56	100		
69	171.6	25.2	37.8#
84	134.8	66.4	99.6#



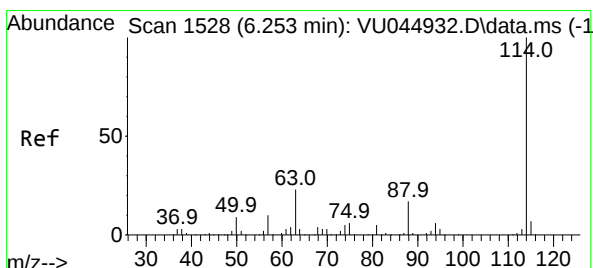
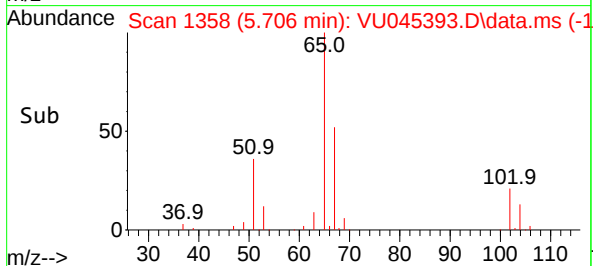
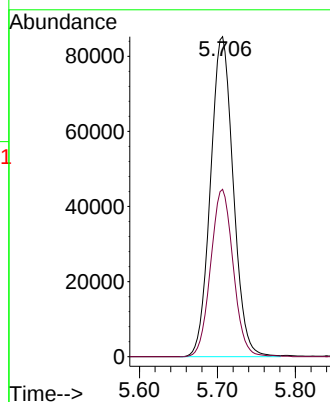
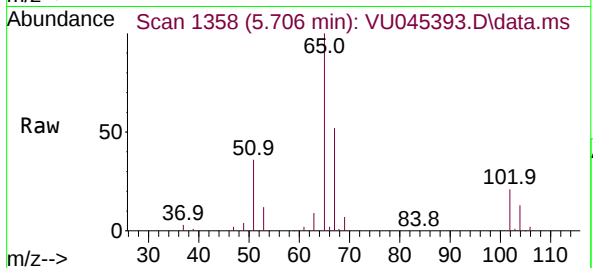


#33

1,2-Dichloroethane-d4
Concen: 49.184 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU045393.D
Acq: 25 Oct 2021 19:03

Instrument :
MSVOA_U
ClientSampled :

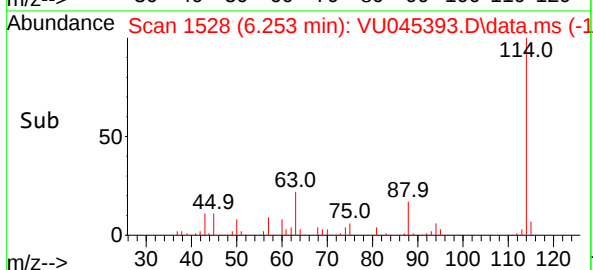
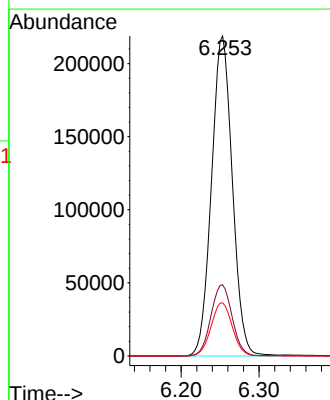
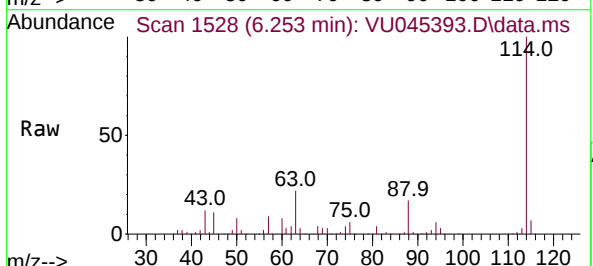
Tgt Ion: 65 Resp: 173244
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.8

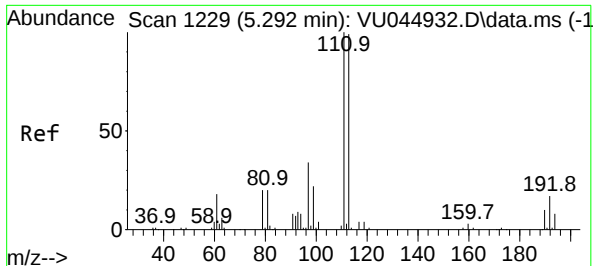


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU045393.D
Acq: 25 Oct 2021 19:03

Tgt Ion:114 Resp: 406845
Ion Ratio Lower Upper
114 100
63 22.3 0.0 47.8
88 16.6 0.0 32.8

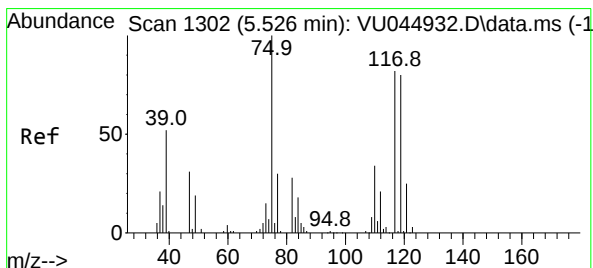
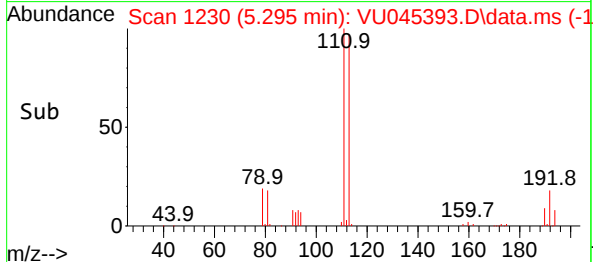
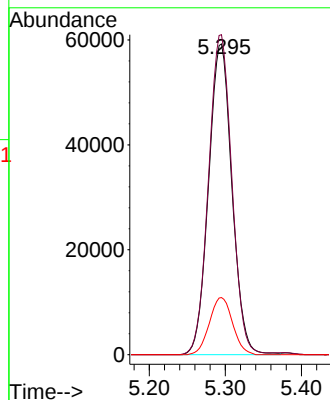
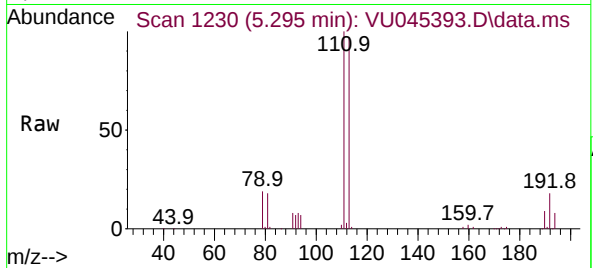




#35
Dibromofluoromethane
Concen: 49.320 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. 0.003 min
Lab File: VU045393.D
Acq: 25 Oct 2021 19:03

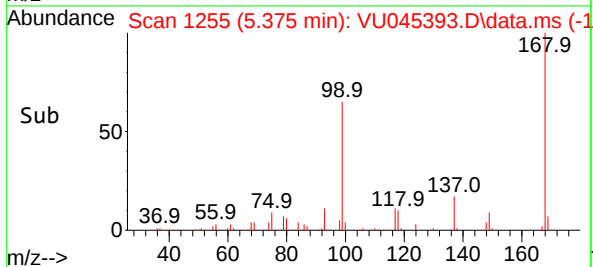
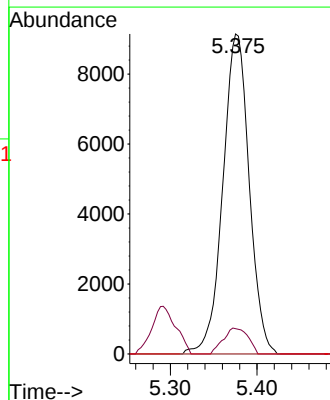
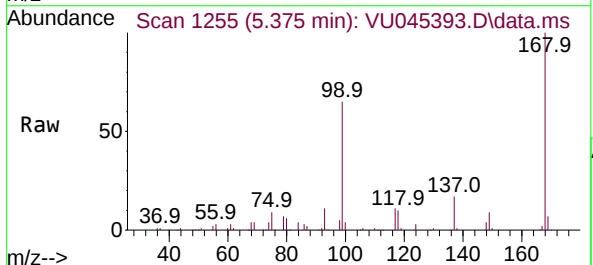
Instrument :
MSVOA_U
ClientSampled :

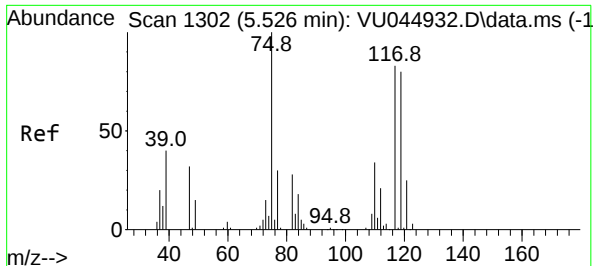
Tgt Ion:113 Resp: 126581
Ion Ratio Lower Upper
113 100
111 102.7 84.1 126.1
192 18.2 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.540 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045393.D
Acq: 25 Oct 2021 19:03

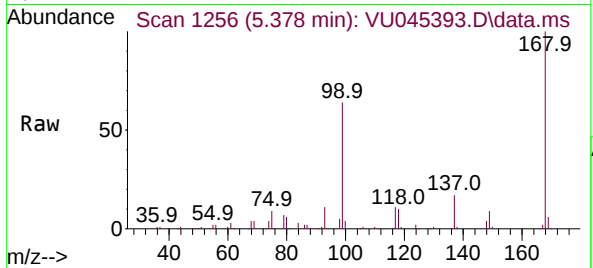
Tgt Ion: 75 Resp: 19314
Ion Ratio Lower Upper
75 100
110 7.6 16.3 48.9#
77 0.0 25.0 37.4#



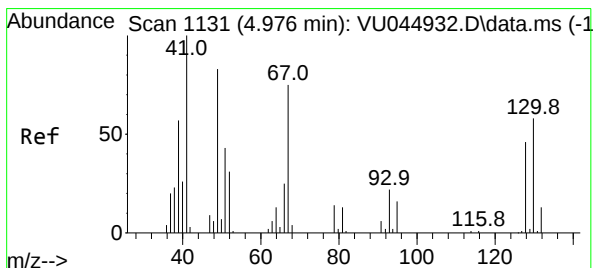
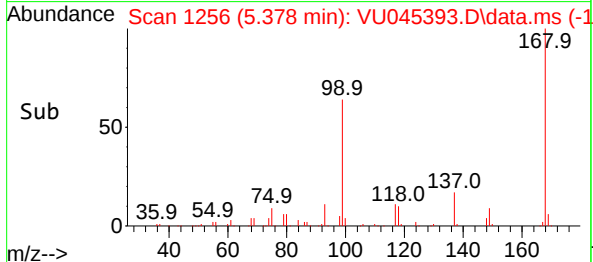
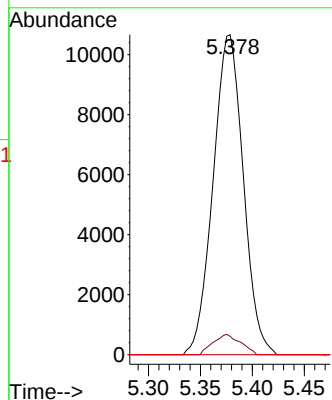


#38
Carbon Tetrachloride
Concen: 5.859 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.148 min
Lab File: VU045393.D
Acq: 25 Oct 2021 19:03

Instrument :
MSVOA_U
ClientSampled :

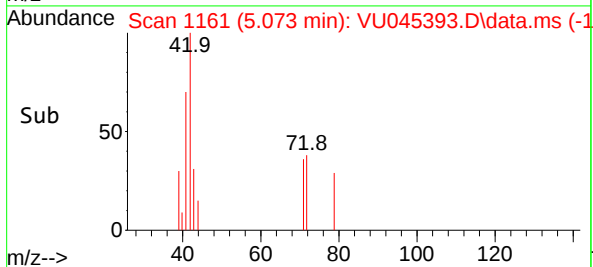
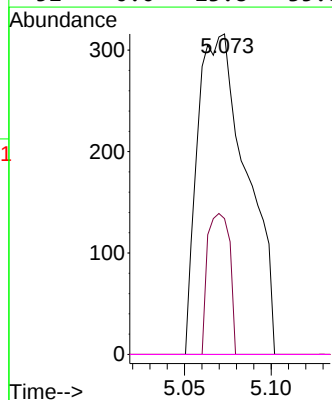
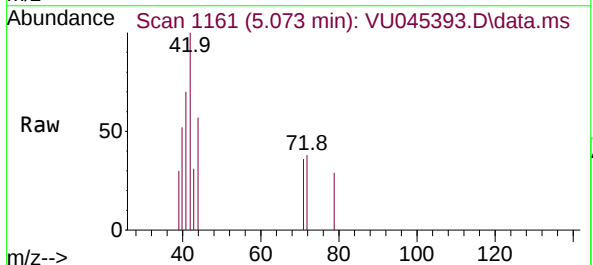


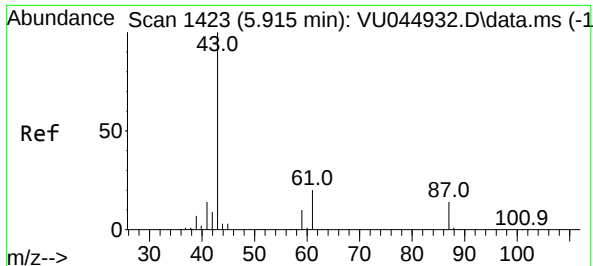
Tgt Ion:117 Resp: 21569
Ion Ratio Lower Upper
117 100
119 5.7 77.4 116.2#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 0.215 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.097 min
Lab File: VU045393.D
Acq: 25 Oct 2021 19:03

Tgt Ion: 41 Resp: 622
Ion Ratio Lower Upper
41 100
39 19.8 44.4 66.6#
67 0.0 58.1 87.1#
52 0.0 23.8 35.8#

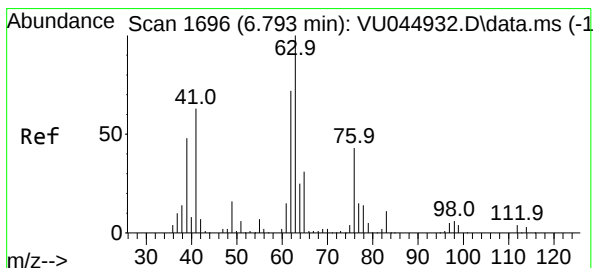
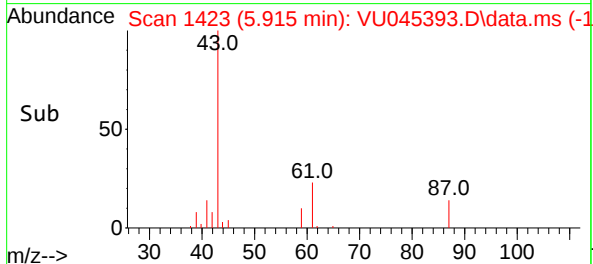
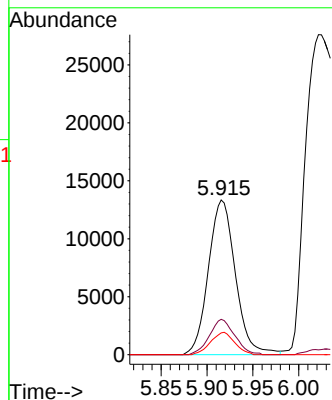
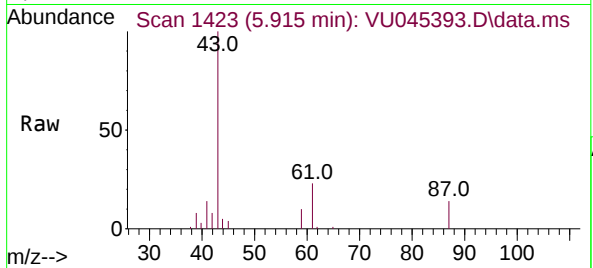




#43
Isopropyl Acetate
Concen: 3.233 ug/l
RT: 5.915 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VU045393.D
Acq: 25 Oct 2021 19:03

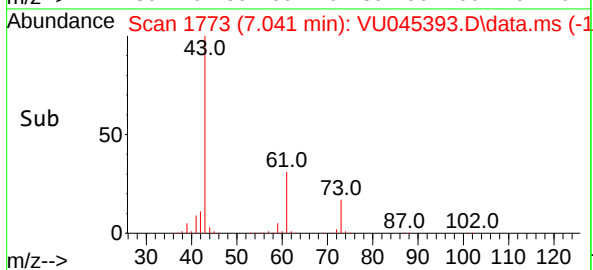
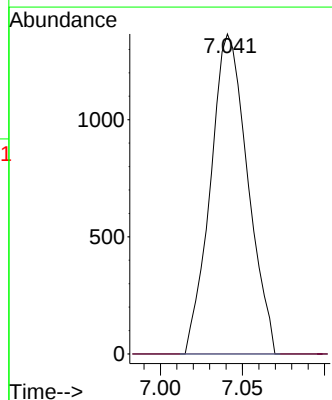
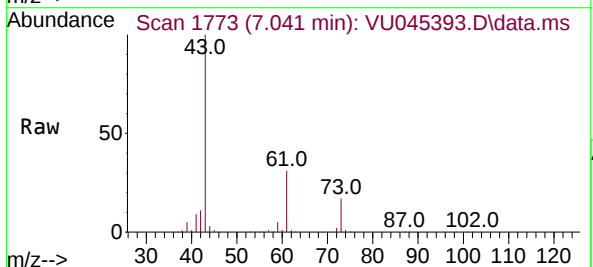
Instrument :
MSVOA_U
ClientSampled :

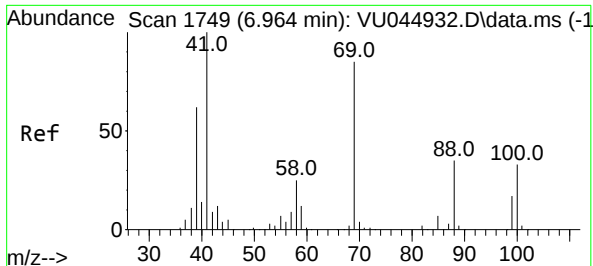
Tgt Ion:	43	Resp:	27384
Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.1	24.1
87	12.8	10.3	15.5



#45
1,2-Dichloropropane
Concen: 0.640 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.248 min
Lab File: VU045393.D
Acq: 25 Oct 2021 19:03

Tgt Ion:	63	Resp:	2150
Ion	Ratio	Lower	Upper
63	100		
65	0.0	23.9	35.9#





#48

Methyl methacrylate

Concen: 2.015 ug/l

RT: 6.899 min Scan# 1729

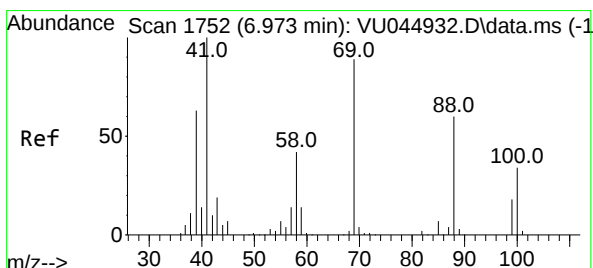
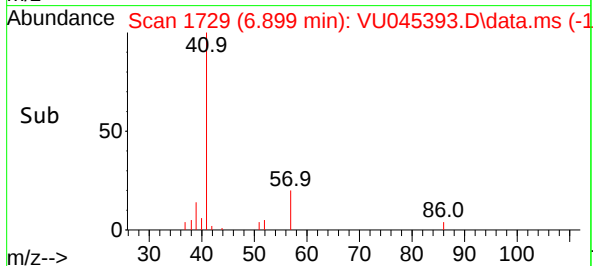
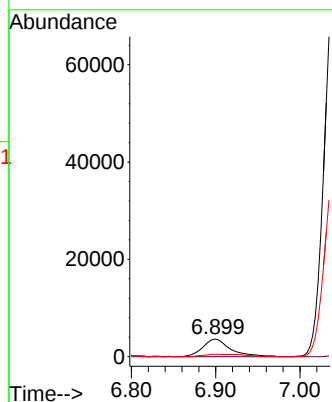
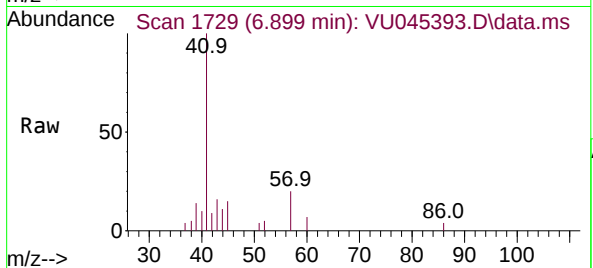
Delta R.T. -0.065 min

Lab File: VU045393.D

Acq: 25 Oct 2021 19:03

Tgt Ion:	41	Resp:	8307
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

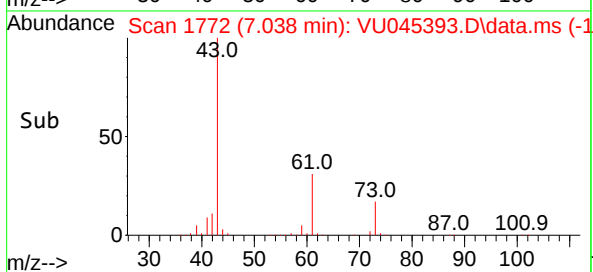
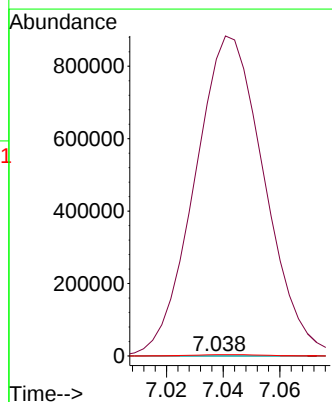
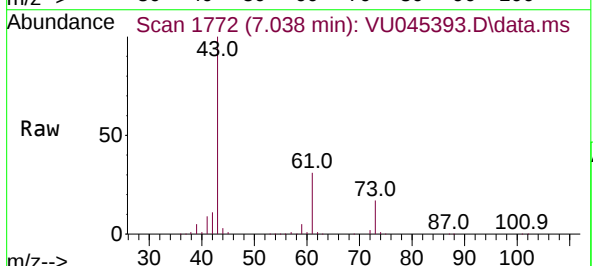
RT: 7.038 min Scan# 1772

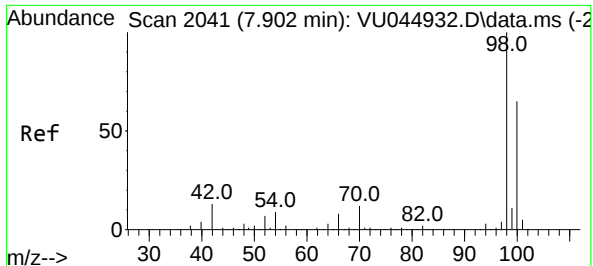
Delta R.T. 0.065 min

Lab File: VU045393.D

Acq: 25 Oct 2021 19:03

Tgt Ion:	88	Resp:	208
Ion Ratio	Lower	Upper	
88	100		
43	733415.9	25.8	38.6#
58	3184.1	61.3	91.9#





#50

Toluene-d8

Concen: 49.594 ug/l

RT: 7.902 min Scan# 2041

Delta R.T. 0.000 min

Lab File: VU045393.D

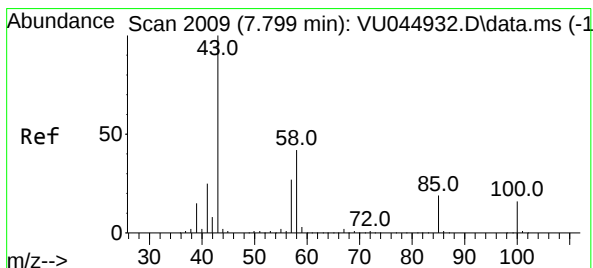
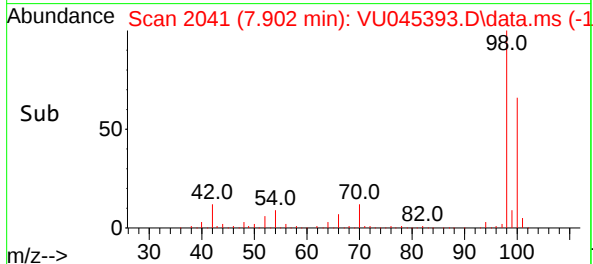
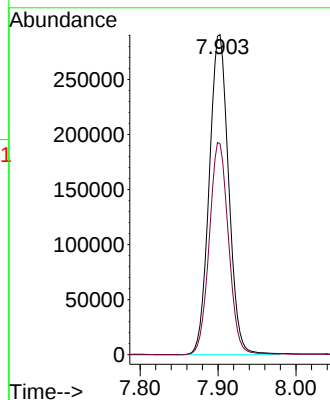
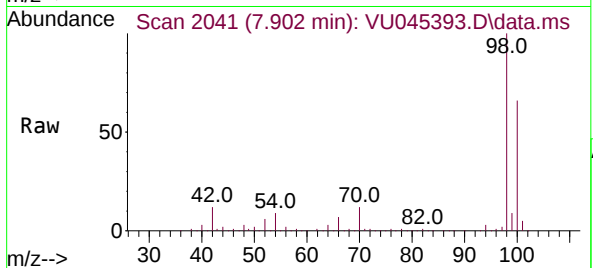
Acq: 25 Oct 2021 19:03

Tgt Ion: 98 Resp: 502914

Ion Ratio Lower Upper

98 100

100 66.1 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.961 ug/l

RT: 7.793 min Scan# 2007

Delta R.T. -0.006 min

Lab File: VU045393.D

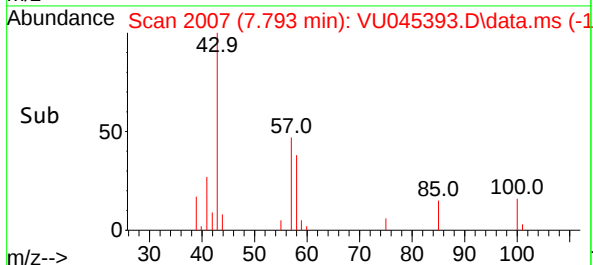
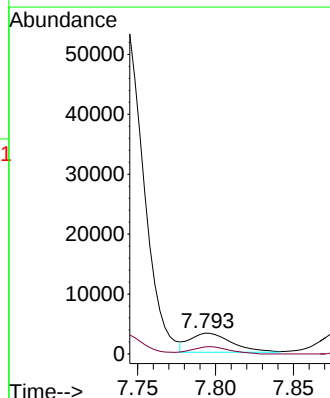
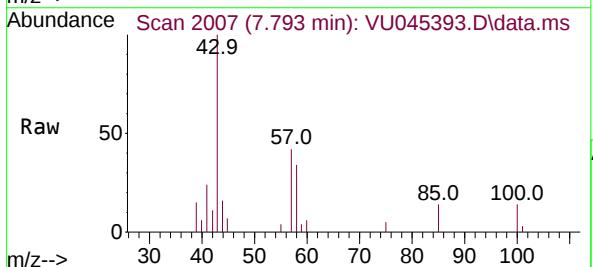
Acq: 25 Oct 2021 19:03

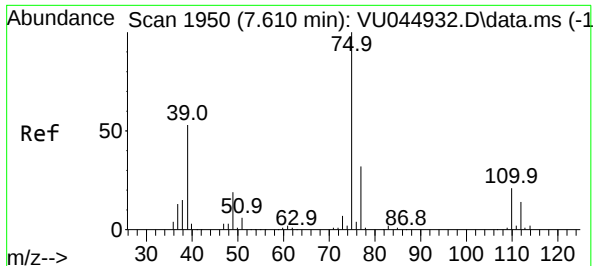
Tgt Ion: 43 Resp: 5927

Ion Ratio Lower Upper

43 100

58 34.4 32.4 48.6

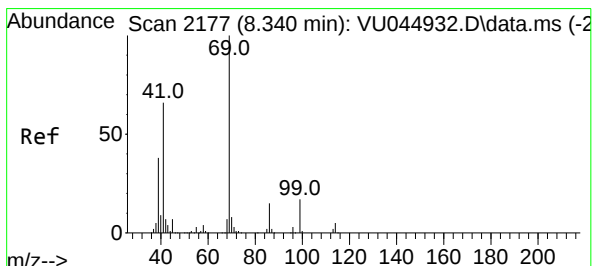
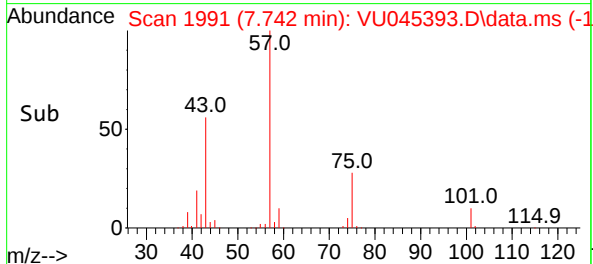
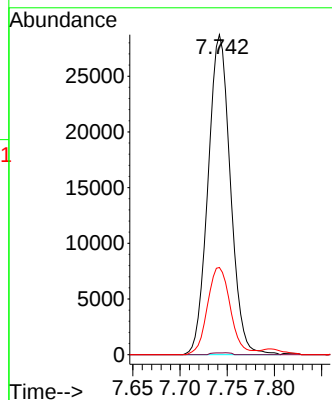
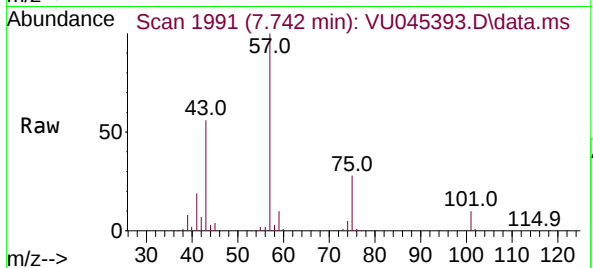




#54
 cis-1,3-Dichloropropene
 Concen: 9.021 ug/l
 RT: 7.742 min Scan# 1991
 Delta R.T. 0.132 min
 Lab File: VU045393.D
 Acq: 25 Oct 2021 19:03

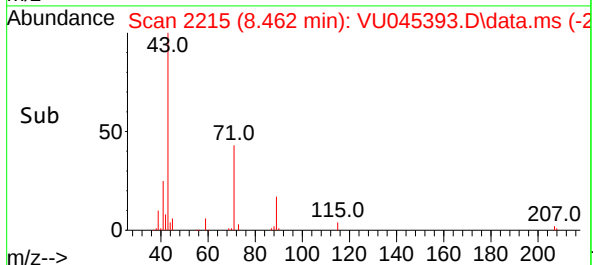
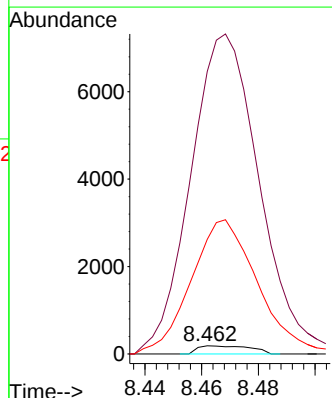
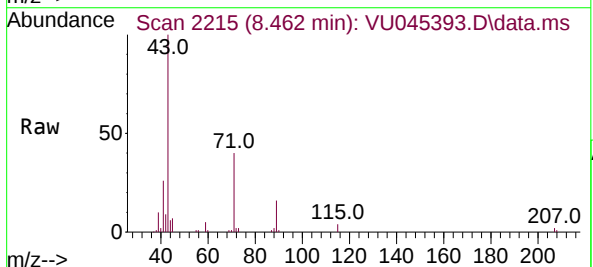
Instrument :
 MSVOA_U
 ClientSampled :

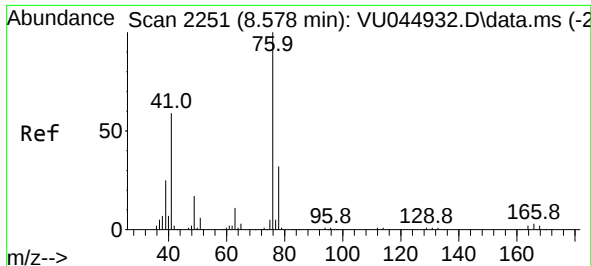
Tgt Ion: 75 Resp: 47217
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 27.2 41.4 62.2#



#56
 Ethyl methacrylate
 Concen: 1.857 ug/l
 RT: 8.462 min Scan# 2215
 Delta R.T. 0.122 min
 Lab File: VU045393.D
 Acq: 25 Oct 2021 19:03

Tgt Ion: 69 Resp: 240
 Ion Ratio Lower Upper
 69 100
 41 5153.8 53.5 80.3#
 39 2093.3 31.1 46.7#



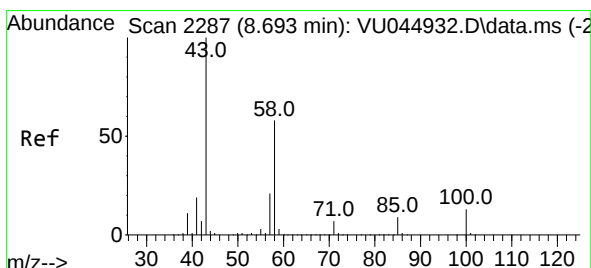
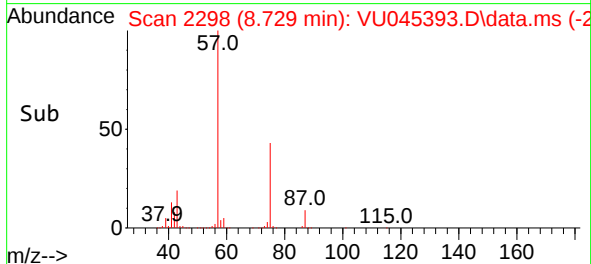
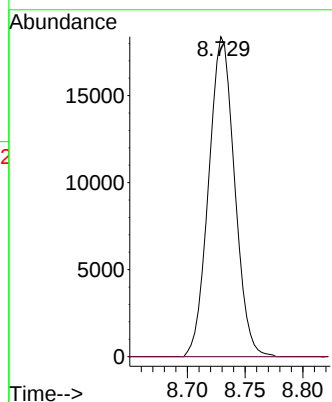
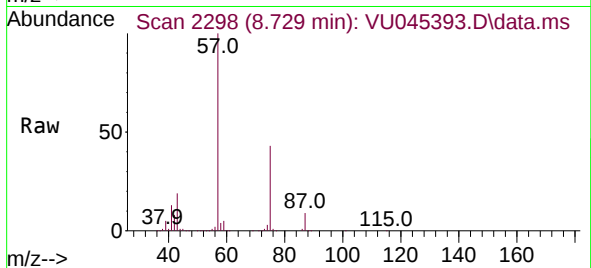


#57

1,3-Dichloropropane
Concen: 4.874 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.151 min
Lab File: VU045393.D
Acq: 25 Oct 2021 19:03

Instrument :
MSVOA_U
ClientSampled :

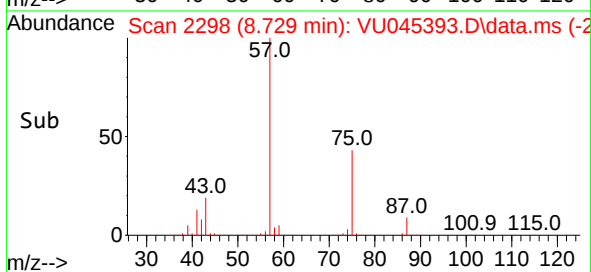
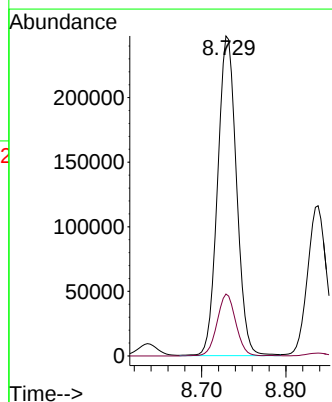
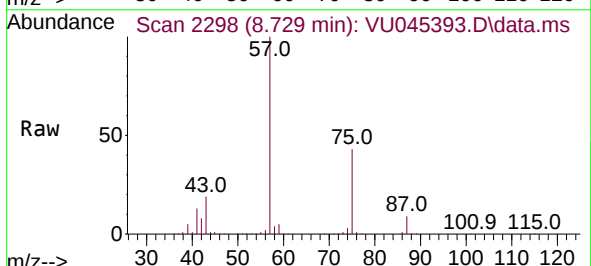
Tgt Ion: 76 Resp: 28743
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

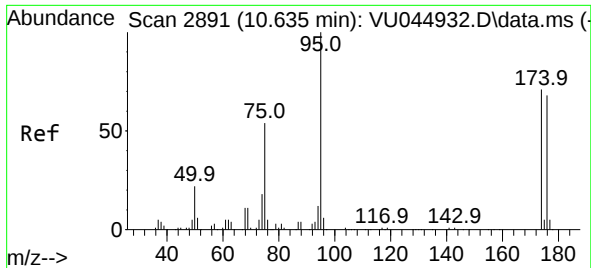


#59

2-Hexanone
Concen: 76.557 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.036 min
Lab File: VU045393.D
Acq: 25 Oct 2021 19:03

Tgt Ion: 43 Resp: 384380
Ion Ratio Lower Upper
43 100
58 19.2 28.0 84.0#

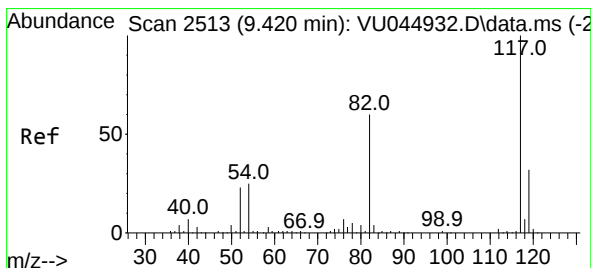
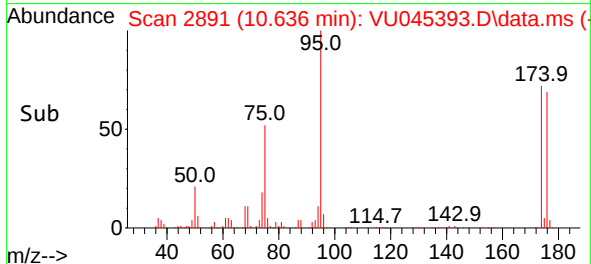
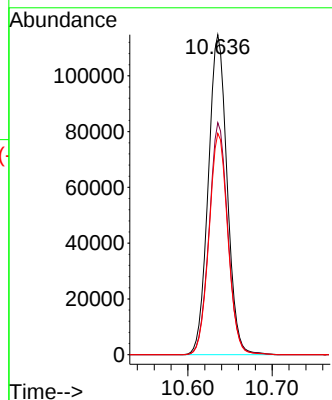
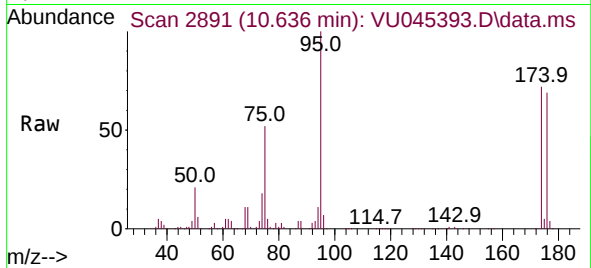




#62
4-Bromofluorobenzene
Concen: 42.677 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU045393.D
Acq: 25 Oct 2021 19:03

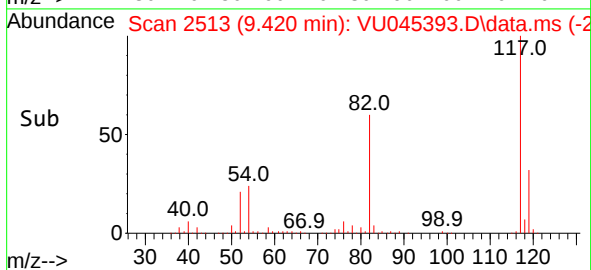
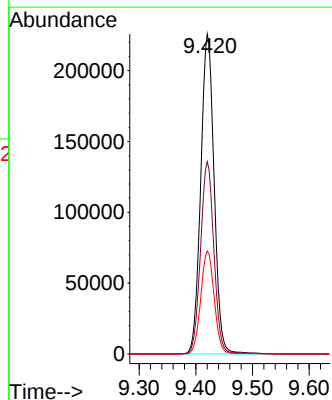
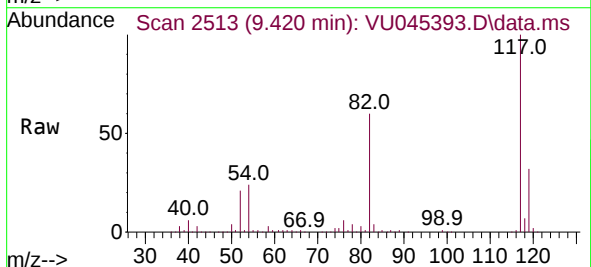
Instrument :
MSVOA_U
ClientSampleId :

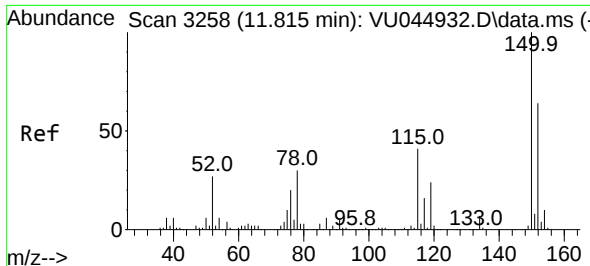
Tgt Ion: 95 Resp: 178675
Ion Ratio Lower Upper
95 100
174 72.0 0.0 146.6
176 69.1 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045393.D
Acq: 25 Oct 2021 19:03

Tgt Ion: 117 Resp: 371027
Ion Ratio Lower Upper
117 100
82 60.1 47.8 71.8
119 32.2 25.8 38.6

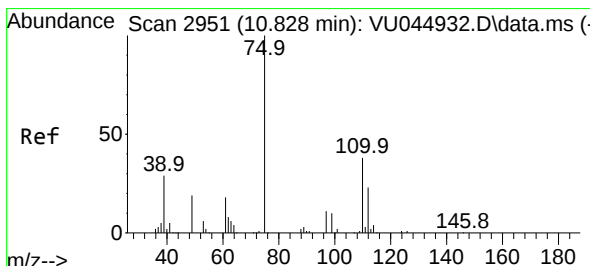
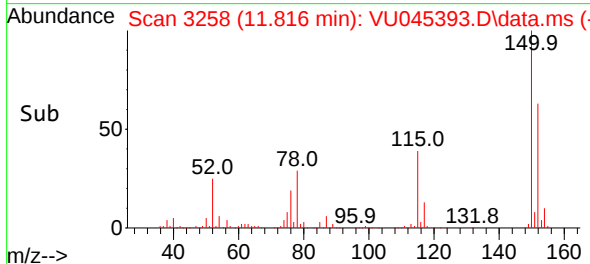
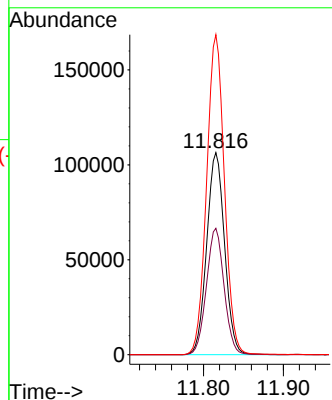
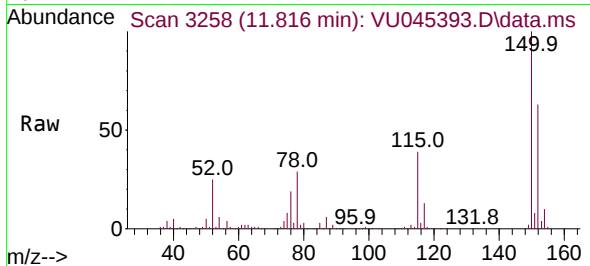




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 3258
 Delta R.T. 0.001 min
 Lab File: VU045393.D
 Acq: 25 Oct 2021 19:03

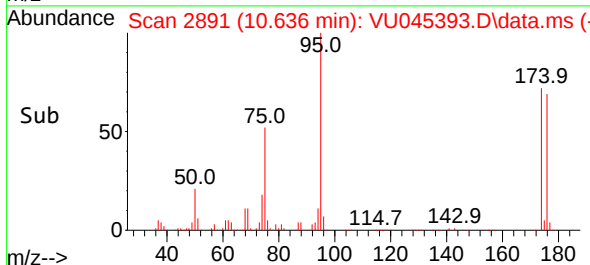
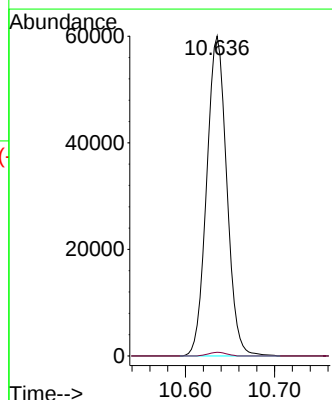
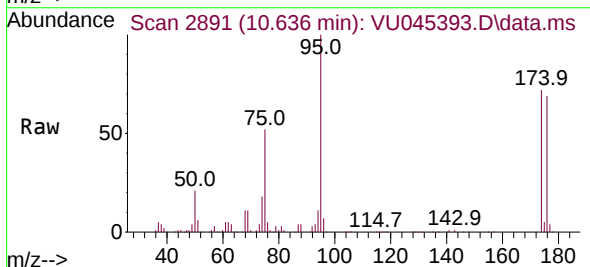
Instrument :
 MSVOA_U
 ClientSampled :

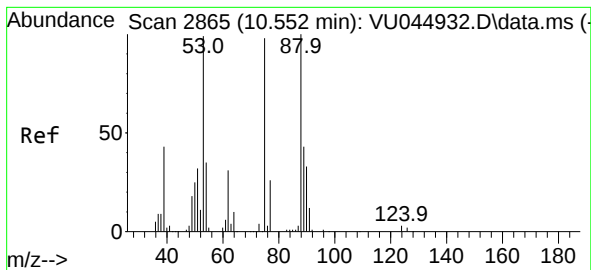
Tgt Ion:152 Resp: 165753
 Ion Ratio Lower Upper
 152 100
 115 61.8 43.5 130.7
 150 157.4 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 19.400 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.192 min
 Lab File: VU045393.D
 Acq: 25 Oct 2021 19:03

Tgt Ion: 75 Resp: 93794
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.9 53.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 53.839 ug/l

RT: 10.636 min Scan# 2891

Delta R.T. 0.084 min

Lab File: VU045393.D

Acq: 25 Oct 2021 19:03

Tgt Ion: 75 Resp: 93794

Ion Ratio Lower Upper

75 100

53 0.0 82.0 123.0#

89 0.0 34.2 51.4#

