

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102521\
 Data File : VU045388.D
 Acq On : 25 Oct 2021 16:38
 Operator : SY/MD
 Sample : M4294-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 04:44:31 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

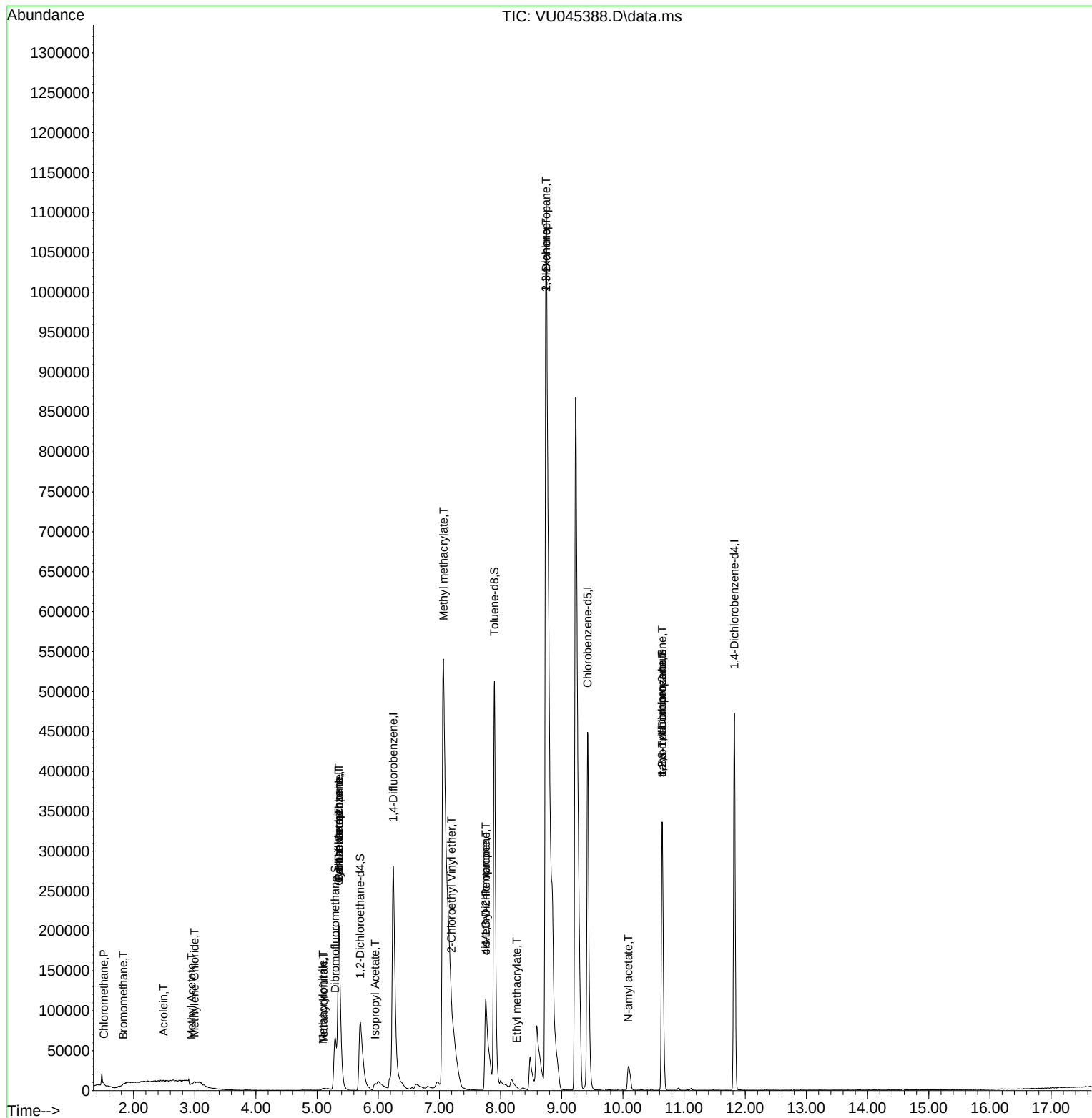
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.356	168	184980	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	6.247	114	345685	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	324352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.822	152	142078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	142432	46.256	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.520%
35) Dibromofluoromethane	5.295	113	89150	40.881	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	81.760%
50) Toluene-d8	7.899	98	437011	50.719	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.440%
62) 4-Bromofluorobenzene	10.642	95	160281	45.057	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.120%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	1419	0.478	ug/l	90
5) Bromomethane	1.832	94	794	0.683	ug/l #	78
13) Acrolein	2.491	56	68	3.514	ug/l #	1
18) Methyl Acetate	2.944	43	2899	0.543	ug/l	98
20) Methylene Chloride	2.996	84	2367	0.860	ug/l	97
29) Tetrahydrofuran	5.102	42	1539	0.996	ug/l #	79
31) Cyclohexane	5.353	56	4271	0.913	ug/l #	1
36) 1,1-Dichloropropene	5.356	75	18075	5.000	ug/l #	48
38) Carbon Tetrachloride	5.359	117	19232	6.148	ug/l #	16
41) Methacrylonitrile	5.096	41	760	0.309	ug/l #	43
43) Isopropyl Acetate	5.951	43	14736	2.048	ug/l	97
48) Methyl methacrylate	7.066	41	144473	41.247	ug/l #	43
51) 4-Methyl-2-Pentanone	7.758	43	101401	19.356	ug/l #	44
54) cis-1,3-Dichloropropene	7.758	75	51857	11.660	ug/l #	58
56) Ethyl methacrylate	8.266	69	396	1.891	ug/l #	24
57) 1,3-Dichloropropane	8.745	76	30996	6.186	ug/l #	43
58) 2-Chloroethyl Vinyl ether	7.195	63	39	21.892	ug/l #	49
59) 2-Hexanone	8.745	43	358121	83.946	ug/l #	55
74) N-amyl acetate	10.089	43	19261	3.615	ug/l #	50
76) 1,2,3-Trichloropropane	10.642	75	83109	20.055	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.642	75	83109	55.655	ug/l #	9

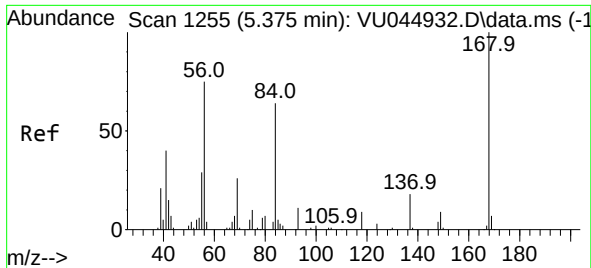
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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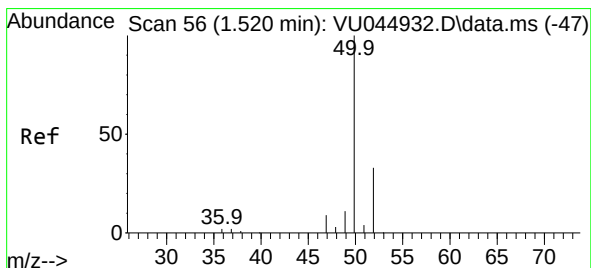
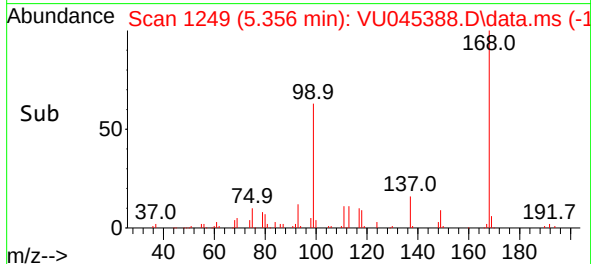
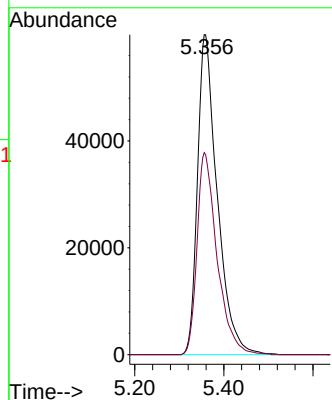
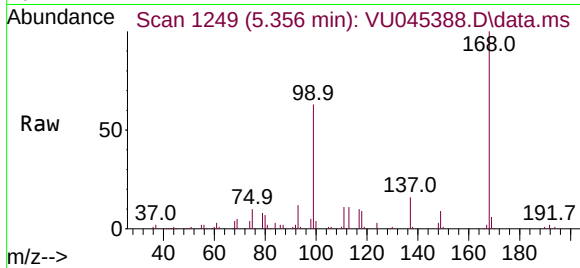




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.356 min Scan# 1249
Delta R.T. -0.019 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38

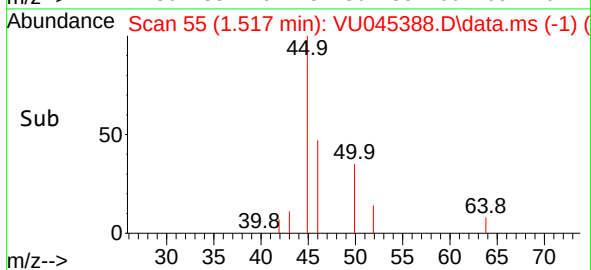
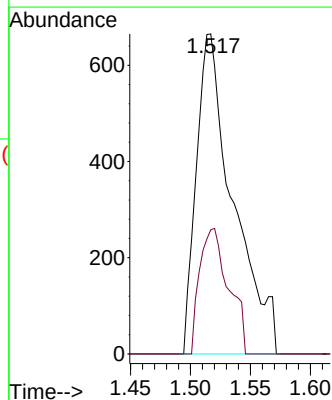
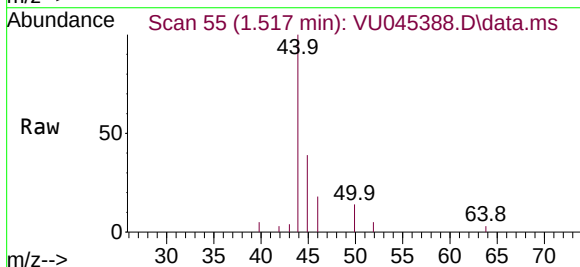
Instrument :
MSVOA_U
ClientSampled :

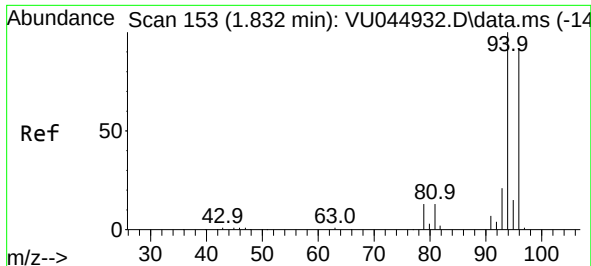
Tgt Ion:168 Resp: 184980
Ion Ratio Lower Upper
168 100
99 63.2 51.4 77.0



#3
Chloromethane
Concen: 0.478 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38

Tgt Ion: 50 Resp: 1419
Ion Ratio Lower Upper
50 100
52 38.8 26.3 39.5

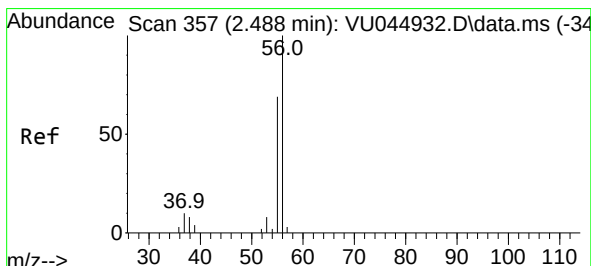
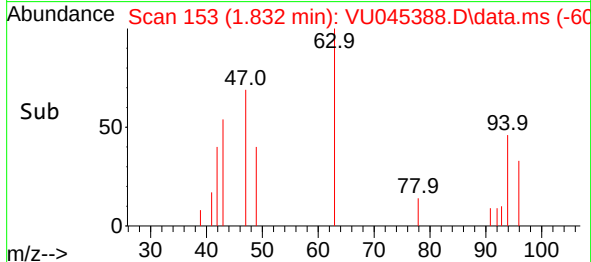
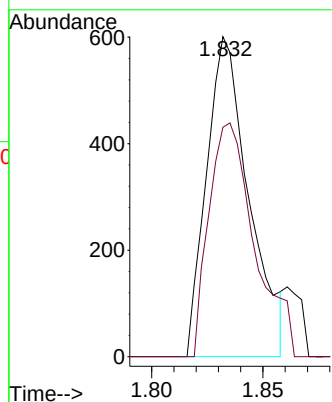
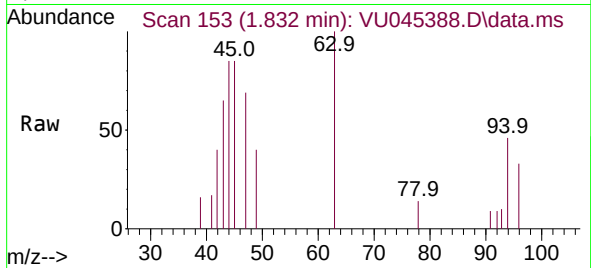




#5
Bromomethane
Concen: 0.683 ug/l
RT: 1.832 min Scan# 153
Delta R.T. -0.000 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38

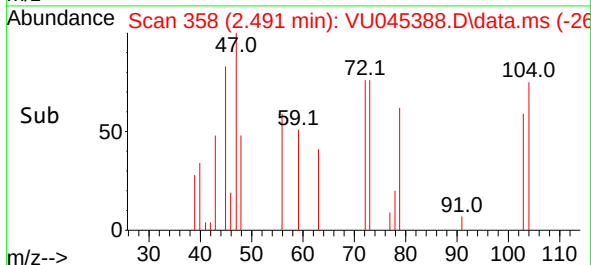
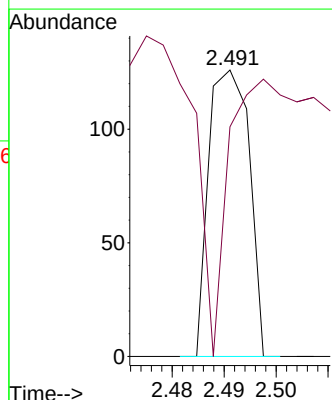
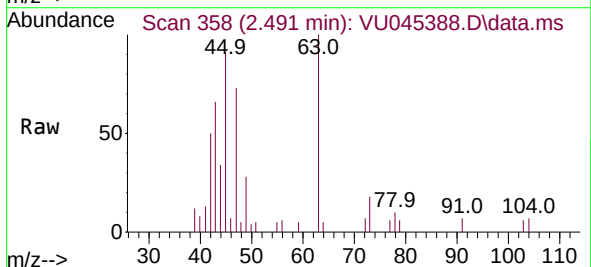
Instrument :
MSVOA_U
ClientSampleId :

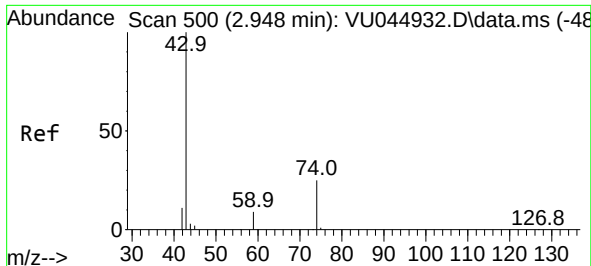
Tgt Ion: 94 Resp: 794
Ion Ratio Lower Upper
94 100
96 71.7 74.5 111.7#



#13
Acrolein
Concen: 3.514 ug/l
RT: 2.491 min Scan# 358
Delta R.T. 0.003 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38

Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 223.5 57.4 86.0#

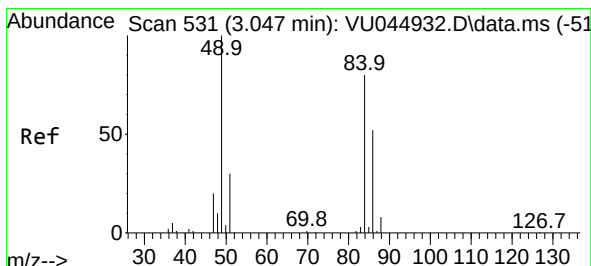
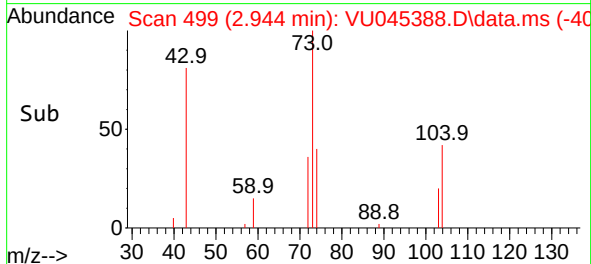
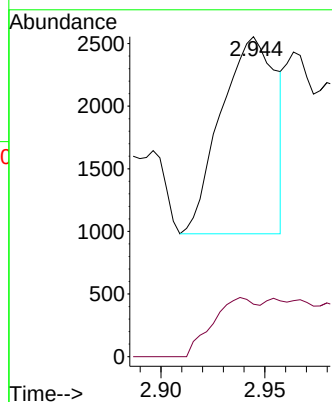
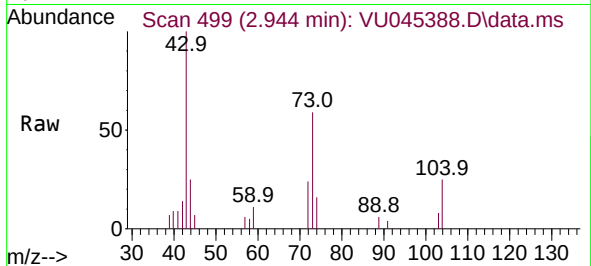




#18
Methyl Acetate
Concen: 0.543 ug/l
RT: 2.944 min Scan# 499
Delta R.T. -0.004 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38

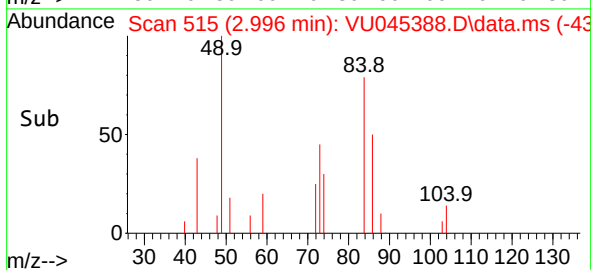
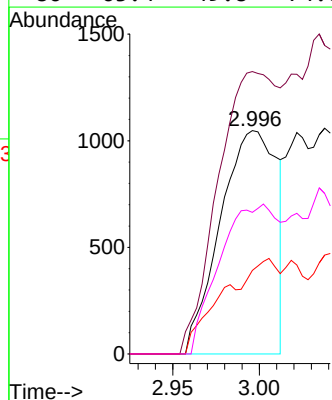
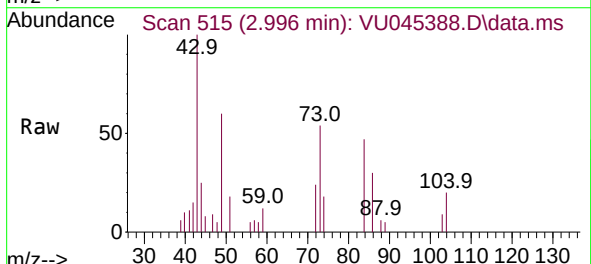
Instrument :
MSVOA_U
ClientSampleId :

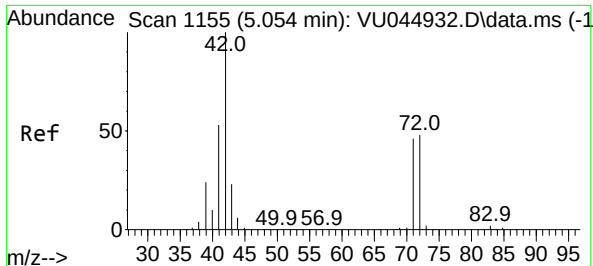
Tgt Ion: 43 Resp: 2899
Ion Ratio Lower Upper
43 100
74 24.8 19.0 28.6



#20
Methylene Chloride
Concen: 0.860 ug/l
RT: 2.996 min Scan# 515
Delta R.T. -0.051 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38

Tgt Ion: 84 Resp: 2367
Ion Ratio Lower Upper
84 100
49 126.4 104.9 157.3
51 37.4 31.8 47.8
86 63.4 49.8 74.6





#29

Tetrahydrofuran

Concen: 0.996 ug/l

RT: 5.102 min Scan# 1170

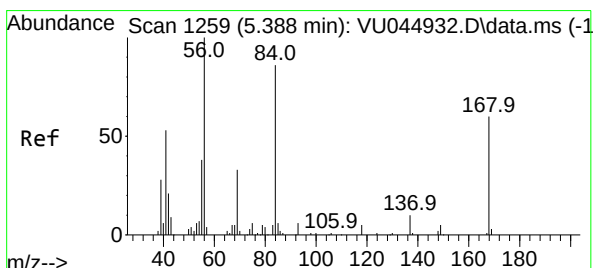
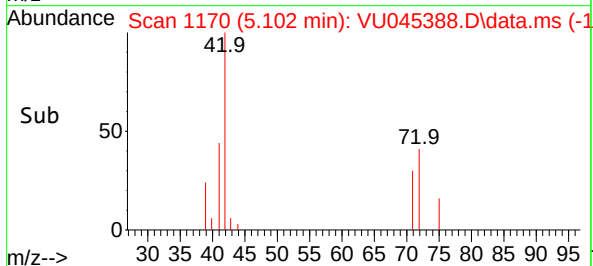
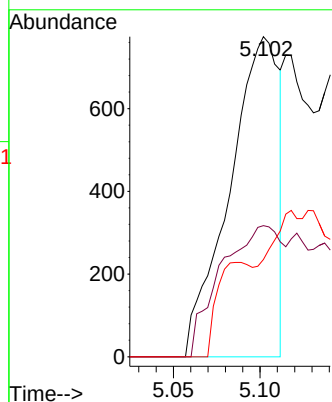
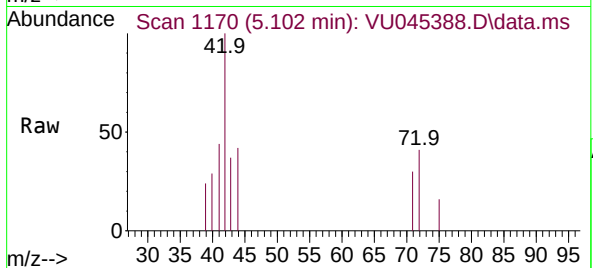
Delta R.T. 0.048 min

Lab File: VU045388.D

Acq: 25 Oct 2021 16:38

Tgt Ion:	42	Resp:	1539
Ion	Ratio	Lower	Upper
42	100		
72	51.0	36.2	54.4
71	20.4	34.1	51.1#

Instrument :
MSVOA_U
ClientSampleId :



#31

Cyclohexane

Concen: 0.913 ug/l

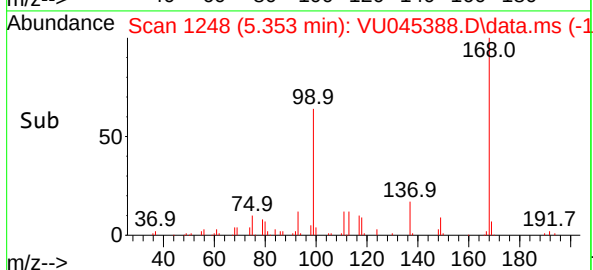
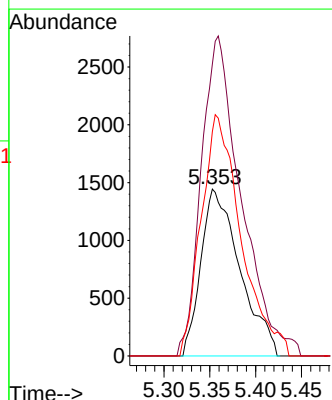
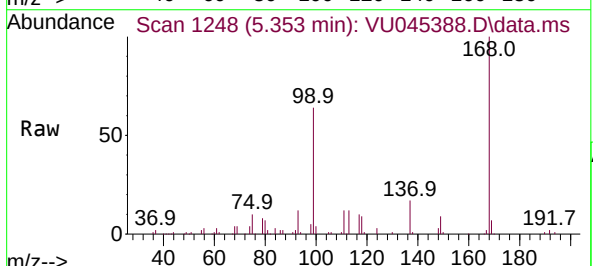
RT: 5.353 min Scan# 1248

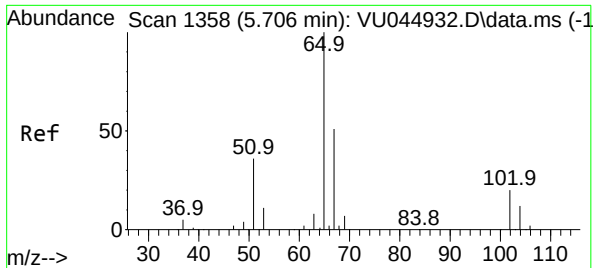
Delta R.T. -0.035 min

Lab File: VU045388.D

Acq: 25 Oct 2021 16:38

Tgt Ion:	56	Resp:	4271
Ion	Ratio	Lower	Upper
56	100		
69	166.7	25.2	37.8#
84	134.4	66.4	99.6#

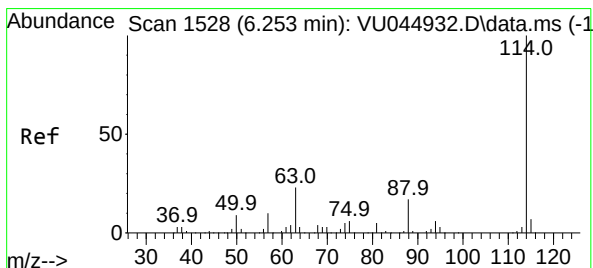
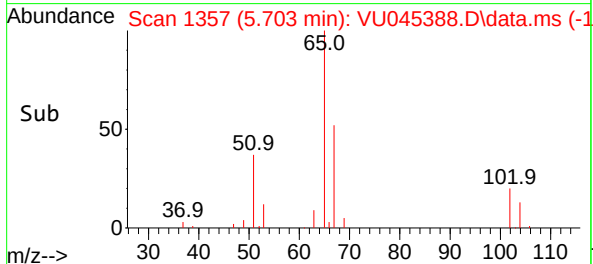
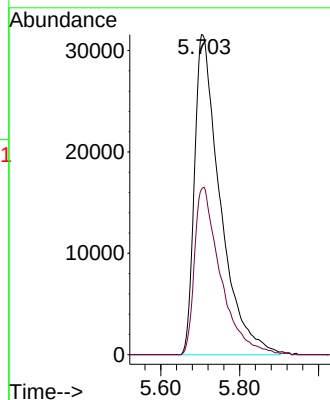
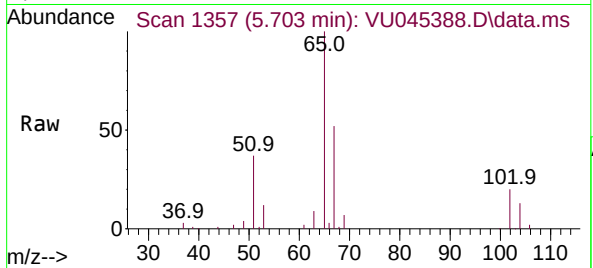




#33
1,2-Dichloroethane-d4
Concen: 46.256 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38

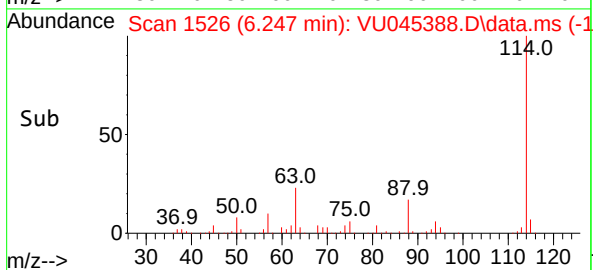
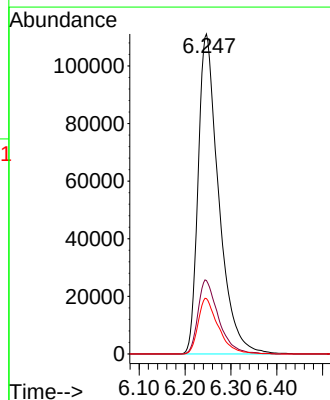
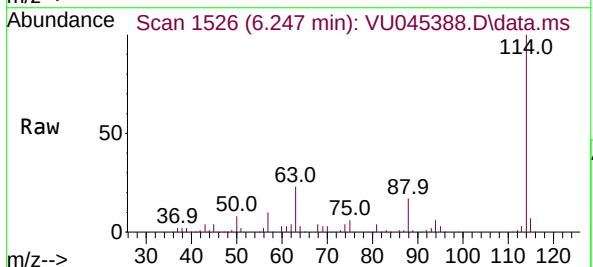
Instrument :
MSVOA_U
ClientSampled :

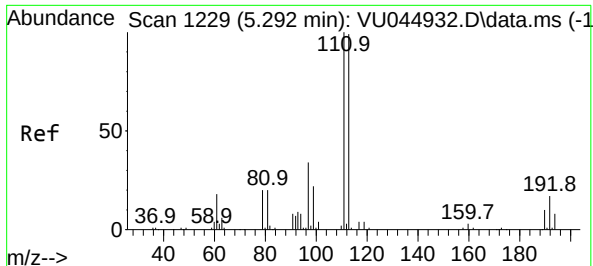
Tgt Ion: 65 Resp: 142432
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.247 min Scan# 1526
Delta R.T. -0.006 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38

Tgt Ion: 114 Resp: 345685
Ion Ratio Lower Upper
114 100
63 23.0 0.0 47.8
88 17.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 40.881 ug/l

RT: 5.295 min Scan# 1230

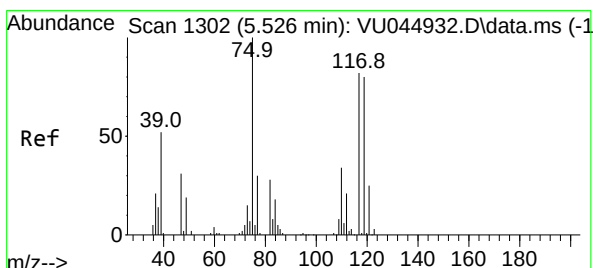
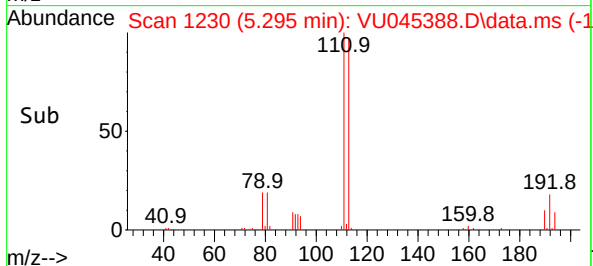
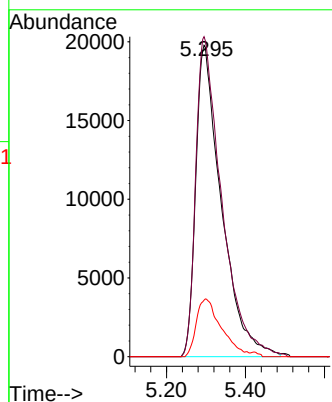
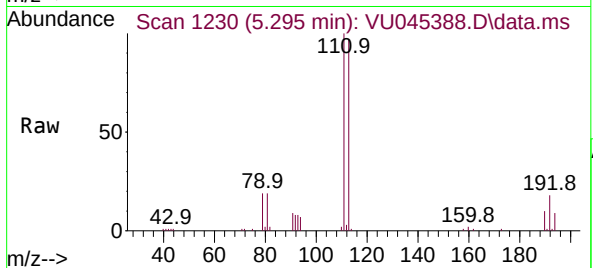
Delta R.T. 0.003 min

Lab File: VU045388.D

Acq: 25 Oct 2021 16:38

Tgt Ion:	113	Resp:	89150
Ion	Ratio	Lower	Upper
113	100		
111	104.1	84.1	126.1
192	17.9	14.8	22.2

Instrument :
MSVOA_U
ClientSampled :



#36

1,1-Dichloropropene

Concen: 5.000 ug/l

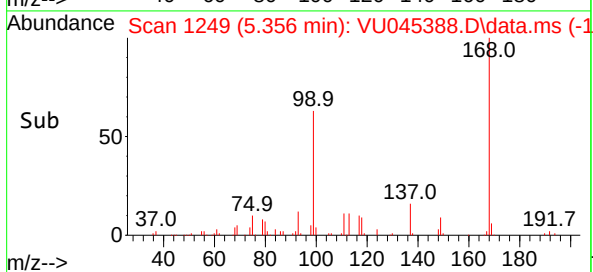
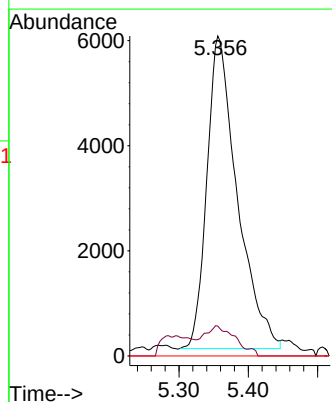
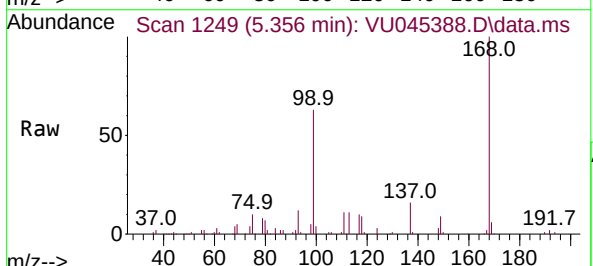
RT: 5.356 min Scan# 1249

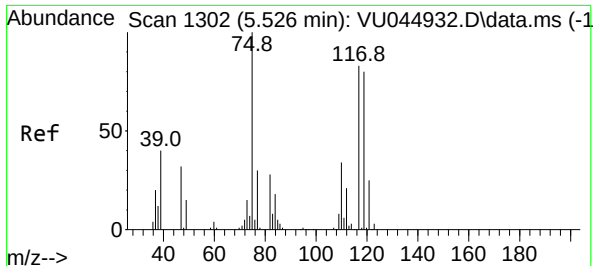
Delta R.T. -0.170 min

Lab File: VU045388.D

Acq: 25 Oct 2021 16:38

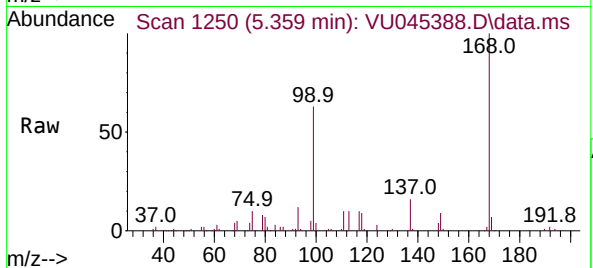
Tgt Ion:	75	Resp:	18075
Ion	Ratio	Lower	Upper
75	100		
110	6.3	16.3	48.9#
77	0.0	25.0	37.4#



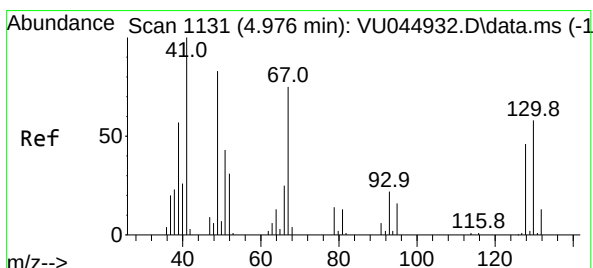
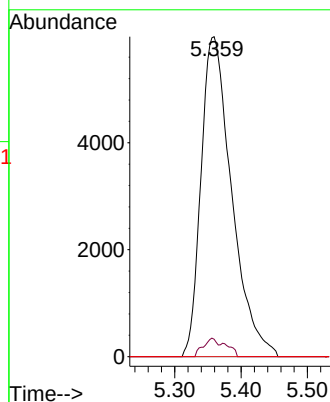
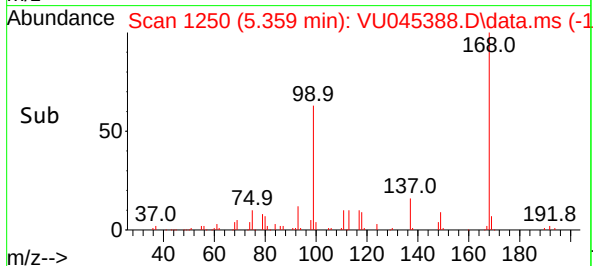


#38
Carbon Tetrachloride
Concen: 6.148 ug/l
RT: 5.359 min Scan# 1250
Delta R.T. -0.167 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38

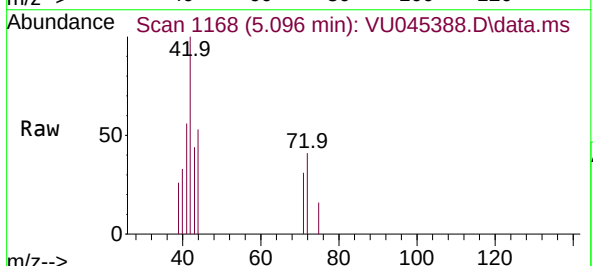
Instrument :
MSVOA_U
ClientSampled :



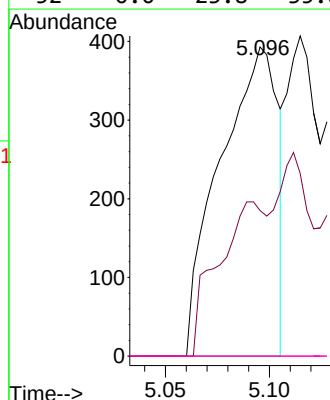
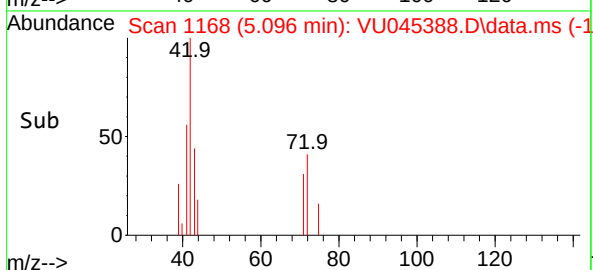
Tgt Ion:117 Resp: 19232
Ion Ratio Lower Upper
117 100
119 5.5 77.4 116.2#
121 0.0 24.5 36.7#

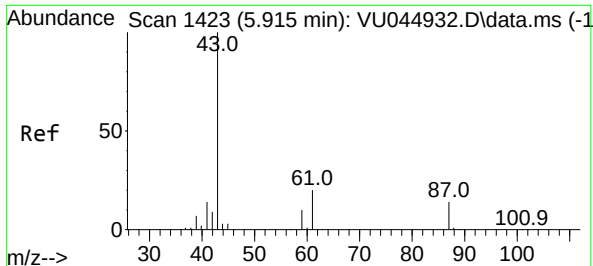


#41
Methacrylonitrile
Concen: 0.309 ug/l
RT: 5.096 min Scan# 1168
Delta R.T. 0.120 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38



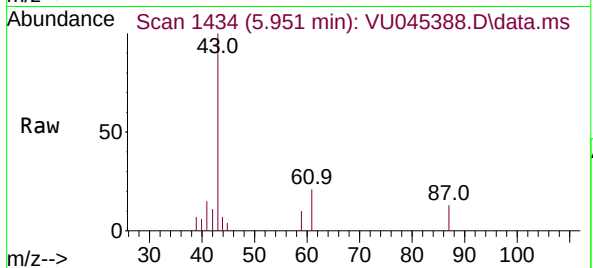
Tgt Ion: 41 Resp: 760
Ion Ratio Lower Upper
41 100
39 41.8 44.4 66.6#
67 0.0 58.1 87.1#
52 0.0 23.8 35.8#



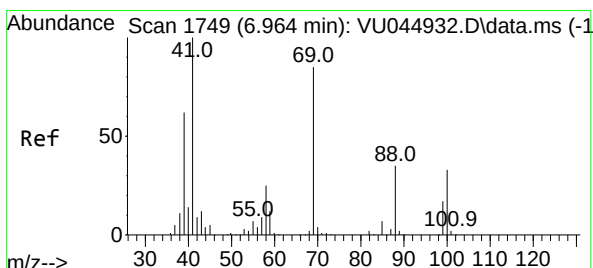
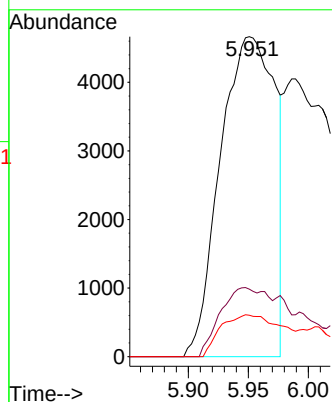
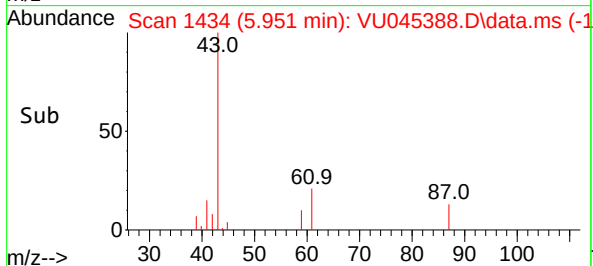


#43
Isopropyl Acetate
Concen: 2.048 ug/l
RT: 5.951 min Scan# 1434
Delta R.T. 0.036 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38

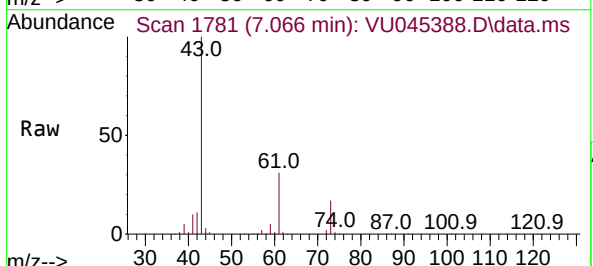
Instrument :
MSVOA_U
ClientSampled :



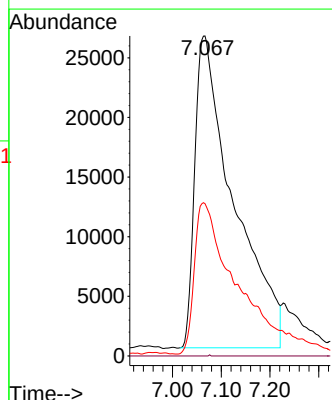
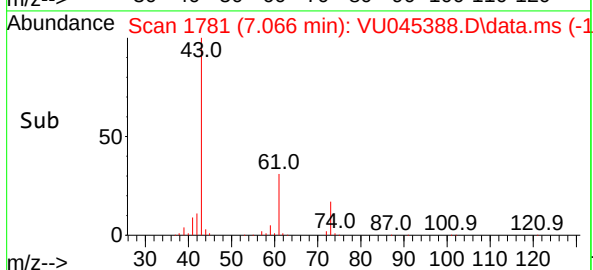
Tgt Ion:	43	Resp:	14736
Ion Ratio	Lower	Upper	
43	100		
61	18.9	16.1	24.1
87	14.7	10.3	15.5

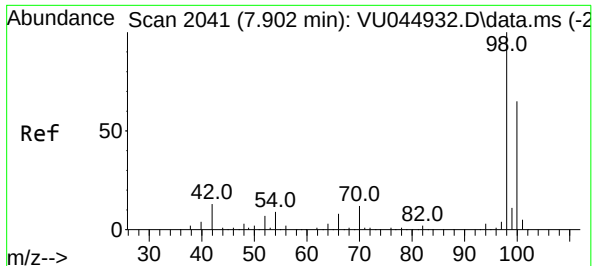


#48
Methyl methacrylate
Concen: 41.247 ug/l
RT: 7.066 min Scan# 1781
Delta R.T. 0.102 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38



Tgt Ion:	41	Resp:	144473
Ion Ratio	Lower	Upper	
41	100		
69	0.0	65.6	98.4#
39	51.2	46.2	69.4

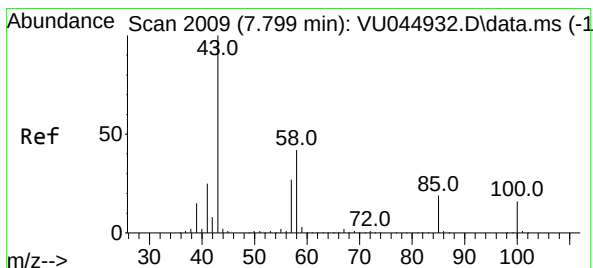
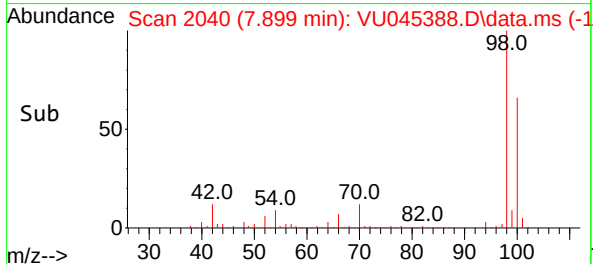
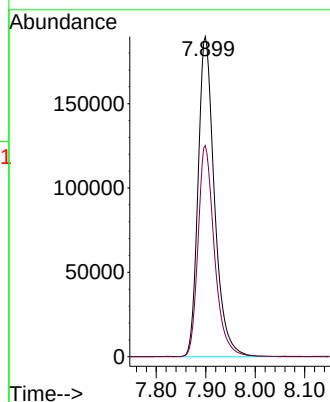
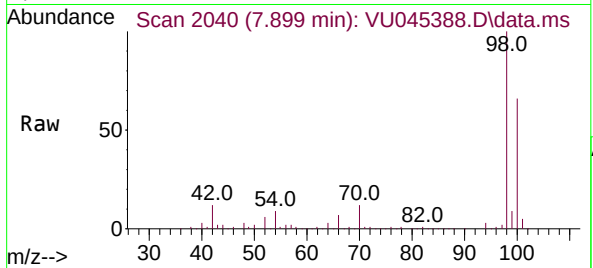




#50
Toluene-d8
Concen: 50.719 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38

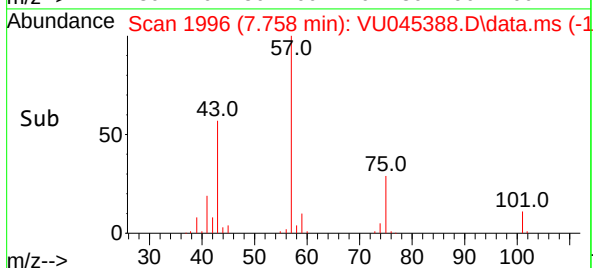
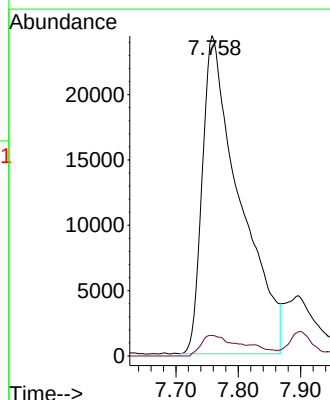
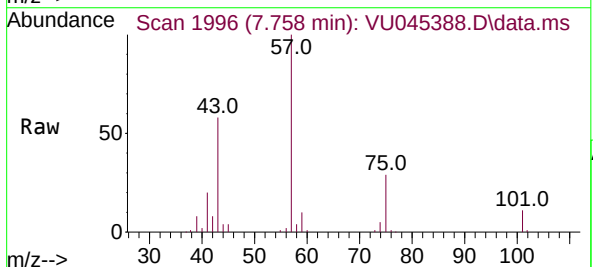
Instrument :
MSVOA_U
ClientSampled :

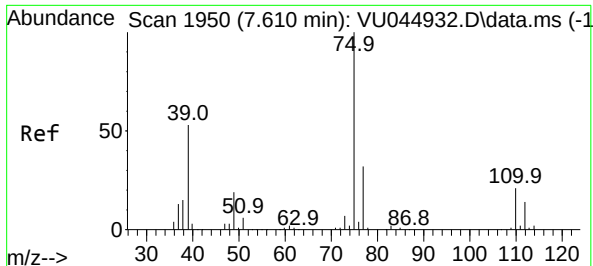
Tgt Ion: 98 Resp: 437011
Ion Ratio Lower Upper
98 100
100 66.1 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 19.356 ug/l
RT: 7.758 min Scan# 1996
Delta R.T. -0.041 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38

Tgt Ion: 43 Resp: 101401
Ion Ratio Lower Upper
43 100
58 5.6 32.4 48.6#

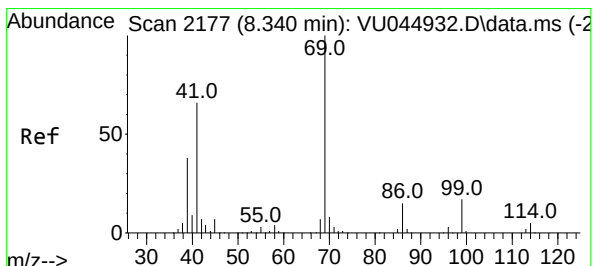
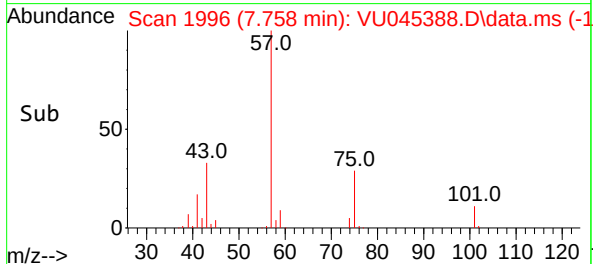
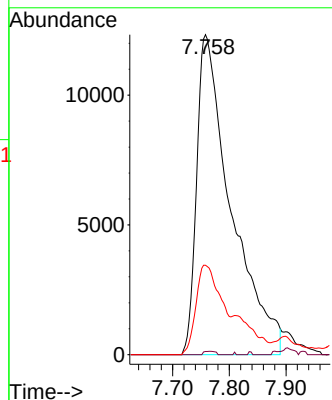
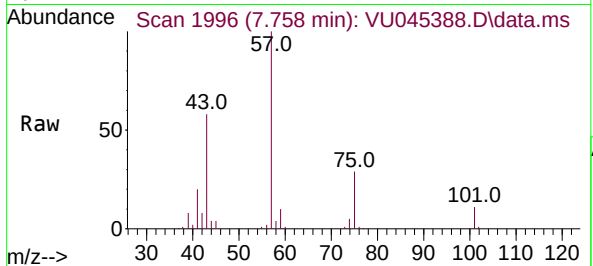




#54
 cis-1,3-Dichloropropene
 Concen: 11.660 ug/l
 RT: 7.758 min Scan# 1996
 Delta R.T. 0.148 min
 Lab File: VU045388.D
 Acq: 25 Oct 2021 16:38

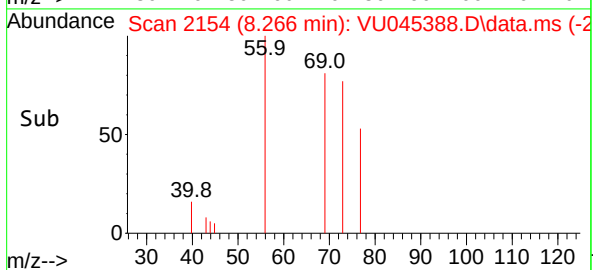
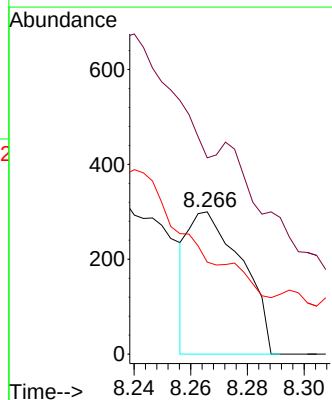
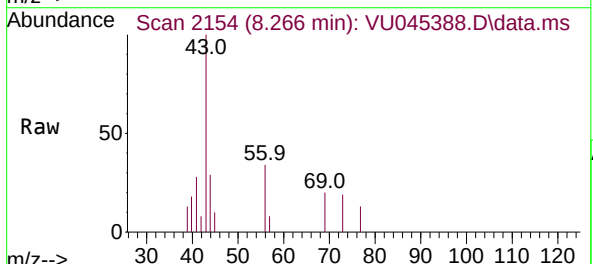
Instrument :
 MSVOA_U
 ClientSampled :

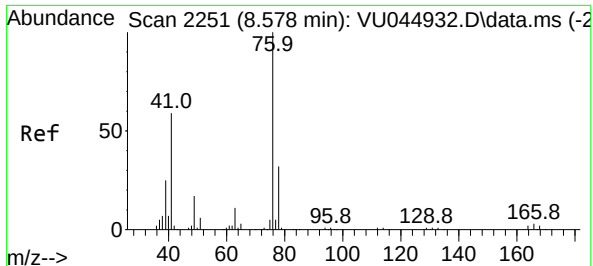
Tgt Ion: 75 Resp: 51857
 Ion Ratio Lower Upper
 75 100
 77 1.0 25.0 37.6#
 39 28.0 41.4 62.2#



#56
 Ethyl methacrylate
 Concen: 1.891 ug/l
 RT: 8.266 min Scan# 2154
 Delta R.T. -0.074 min
 Lab File: VU045388.D
 Acq: 25 Oct 2021 16:38

Tgt Ion: 69 Resp: 396
 Ion Ratio Lower Upper
 69 100
 41 0.0 53.5 80.3#
 39 0.0 31.1 46.7#



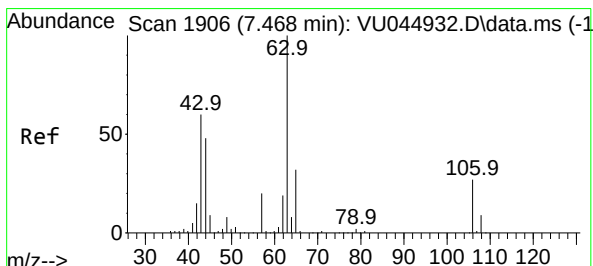
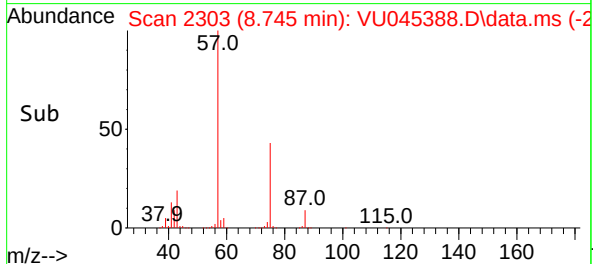
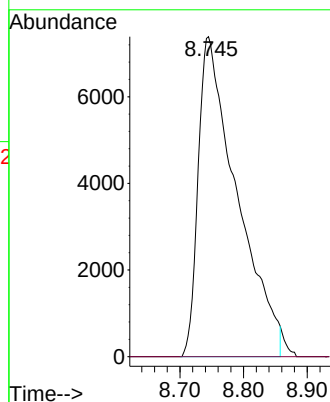
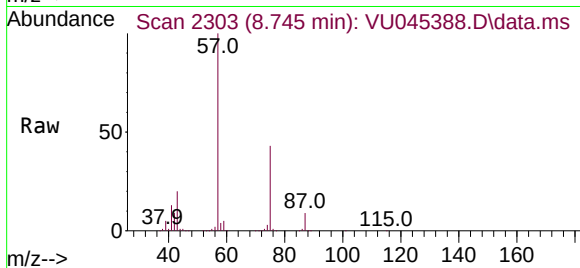


#57

1,3-Dichloropropane
Concen: 6.186 ug/l
RT: 8.745 min Scan# 2303
Delta R.T. 0.167 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38

Instrument :
MSVOA_U
ClientSampled :

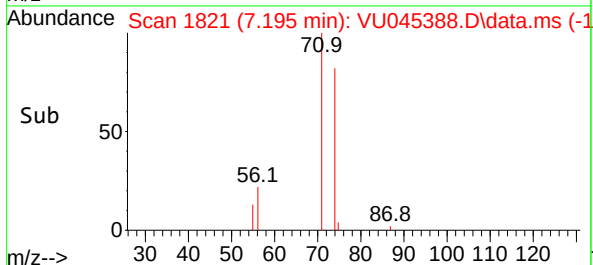
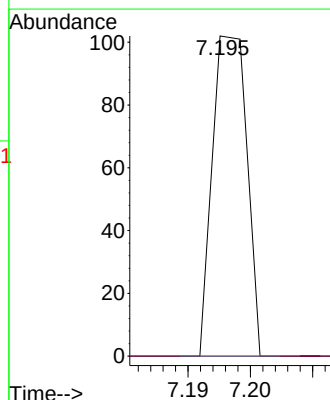
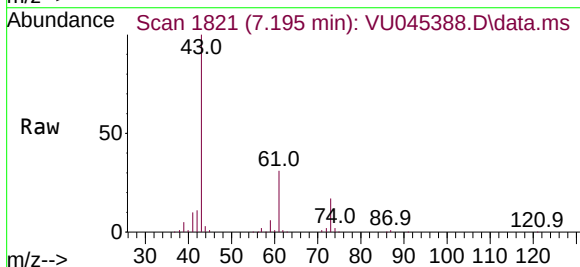
Tgt Ion: 76 Resp: 30996
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

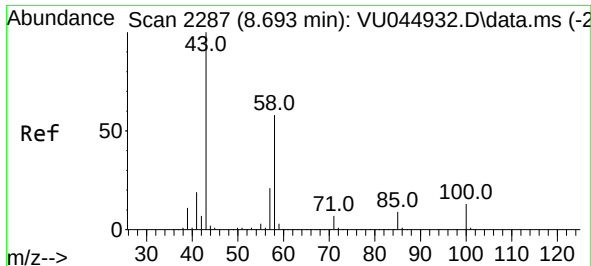


#58

2-Chloroethyl Vinyl ether
Concen: 21.892 ug/l
RT: 7.195 min Scan# 1821
Delta R.T. -0.273 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38

Tgt Ion: 63 Resp: 39
Ion Ratio Lower Upper
63 100
106 0.0 20.5 30.7#

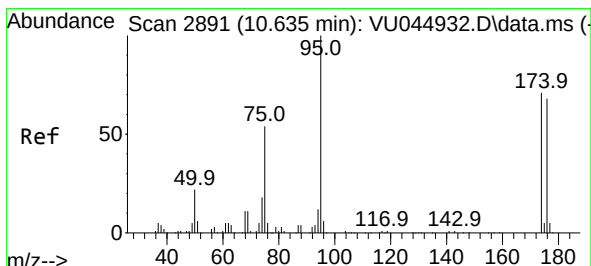
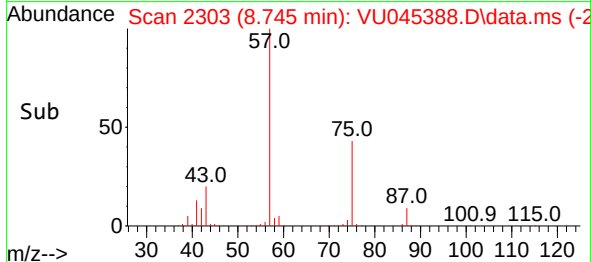
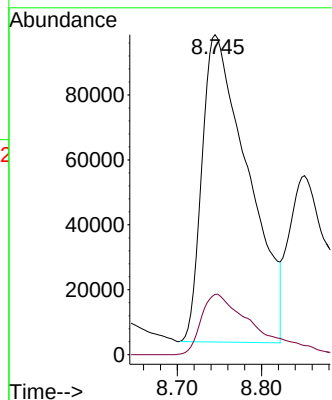
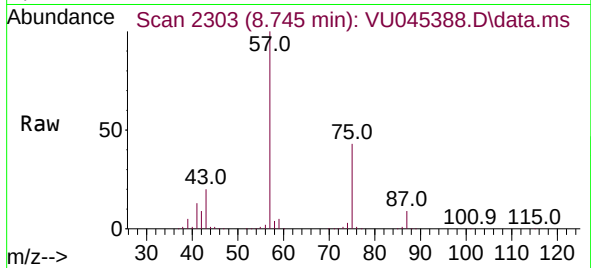




#59
2-Hexanone
Concen: 83.946 ug/l
RT: 8.745 min Scan# 2303
Delta R.T. 0.052 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38

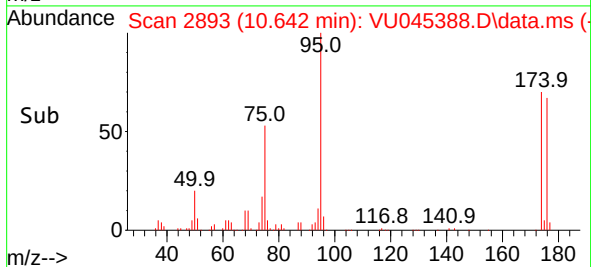
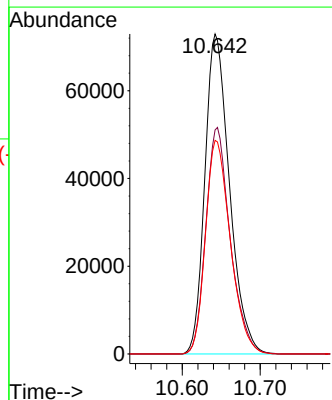
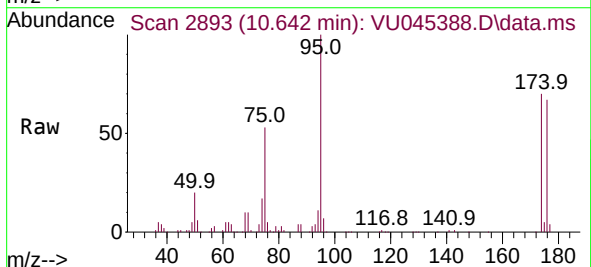
Instrument :
MSVOA_U
ClientSampleId :

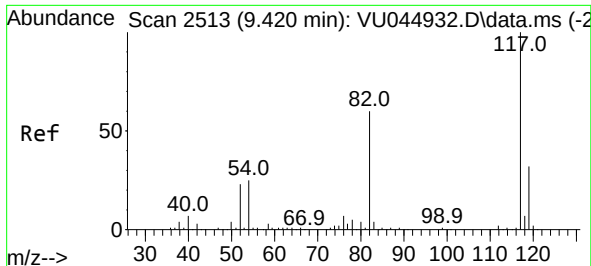
Tgt Ion: 43 Resp: 358121
Ion Ratio Lower Upper
43 100
58 23.4 28.0 84.0#



#62
4-Bromofluorobenzene
Concen: 45.057 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.007 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38

Tgt Ion: 95 Resp: 160281
Ion Ratio Lower Upper
95 100
174 70.1 0.0 146.6
176 67.4 0.0 141.2

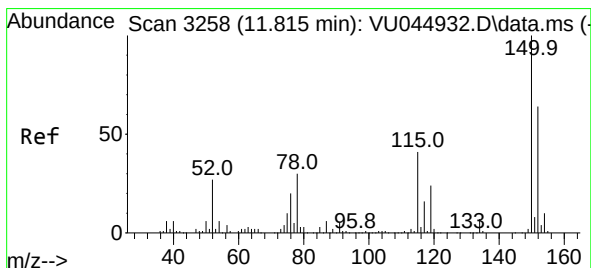
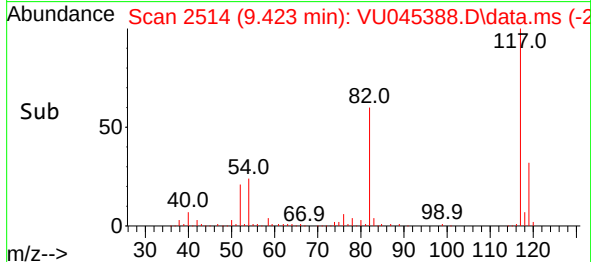
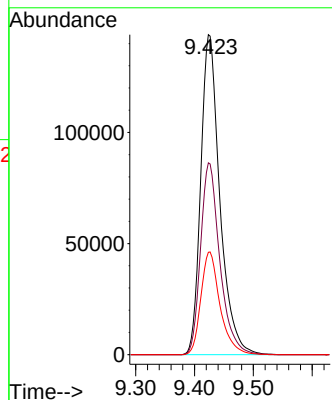
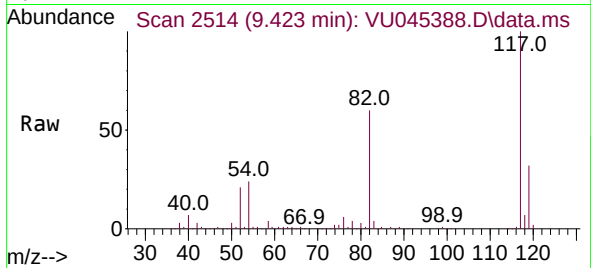




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.003 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38

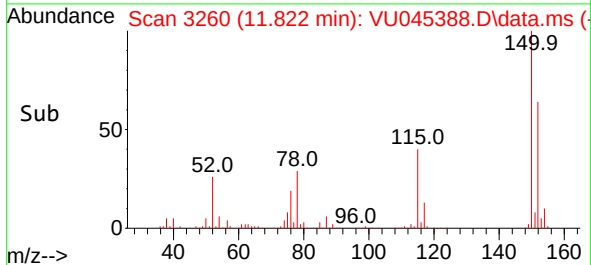
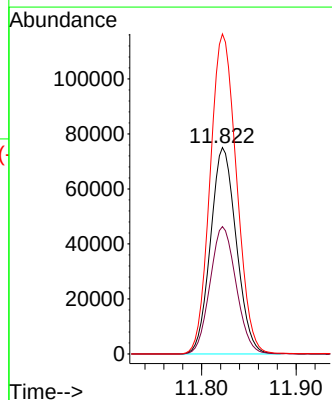
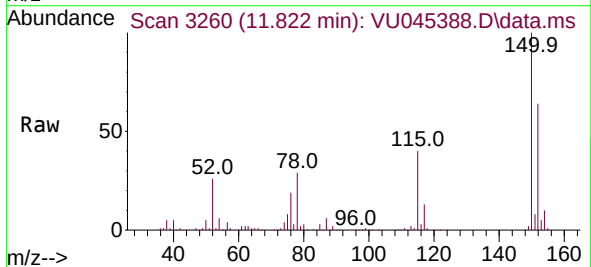
Instrument :
MSVOA_U
ClientSampled :

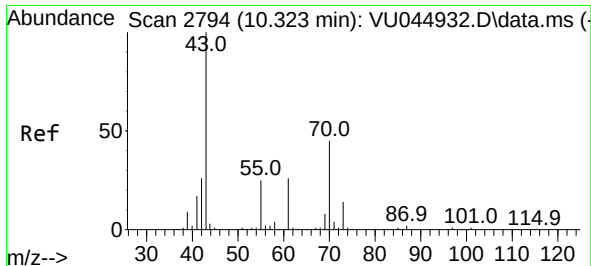
Tgt Ion:117 Resp: 324352
Ion Ratio Lower Upper
117 100
82 59.9 47.8 71.8
119 32.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.822 min Scan# 3260
Delta R.T. 0.007 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38

Tgt Ion:152 Resp: 142078
Ion Ratio Lower Upper
152 100
115 62.4 43.5 130.7
150 158.9 0.0 350.0

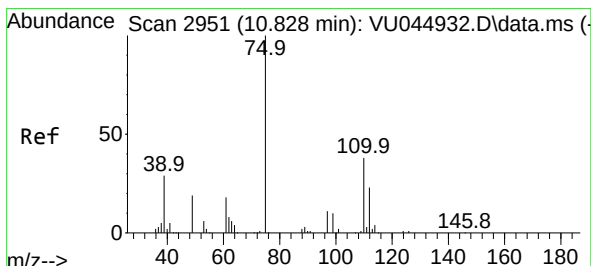
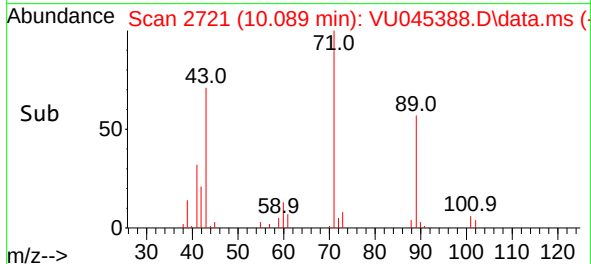
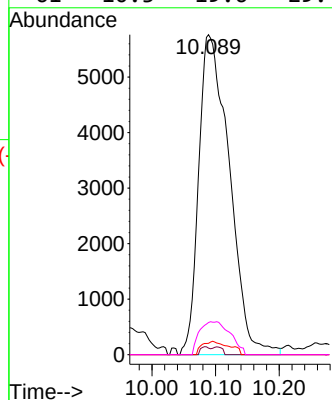
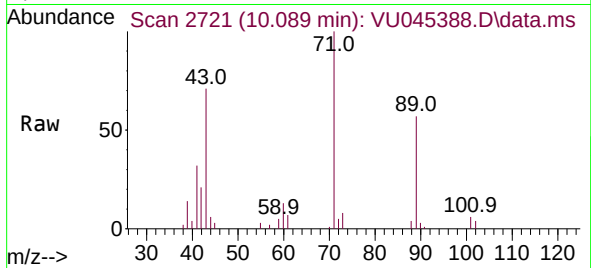




#74
N-amy1 acetate
Concen: 3.615 ug/l
RT: 10.089 min Scan# 2721
Delta R.T. -0.234 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38

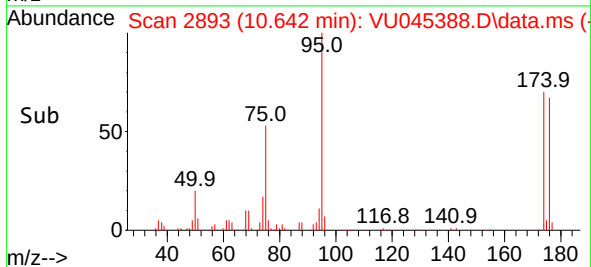
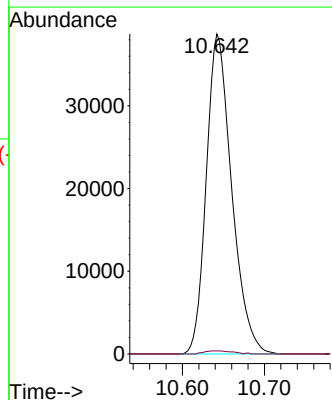
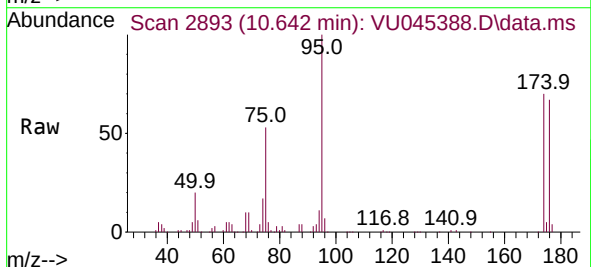
Instrument :
MSVOA_U
ClientSampled :

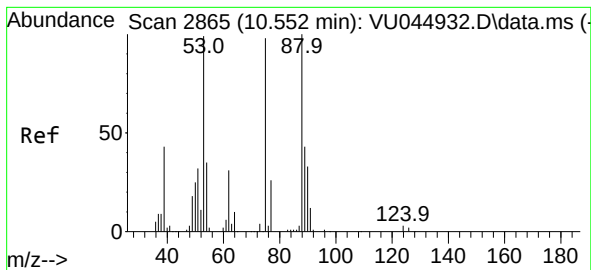
Tgt Ion:	43	Resp:	19261
Ion	Ratio	Lower	Upper
43	100		
70	0.7	35.1	52.7#
55	3.7	20.5	30.7#
61	10.3	19.6	29.4#



#76
1,2,3-Trichloropropane
Concen: 20.055 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. -0.186 min
Lab File: VU045388.D
Acq: 25 Oct 2021 16:38

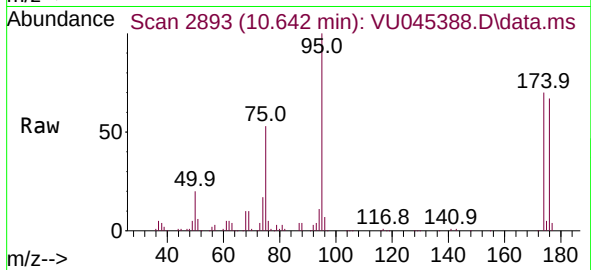
Tgt Ion:	75	Resp:	83109
Ion	Ratio	Lower	Upper
75	100		
77	1.0	17.9	53.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.655 ug/l
 RT: 10.642 min Scan# 2893
 Delta R.T. 0.090 min
 Lab File: VU045388.D
 Acq: 25 Oct 2021 16:38

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 83109
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#

