

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102521\
 Data File : VU045386.D
 Acq On : 25 Oct 2021 15:51
 Operator : SY/MD
 Sample : M4294-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 04:43:50 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)

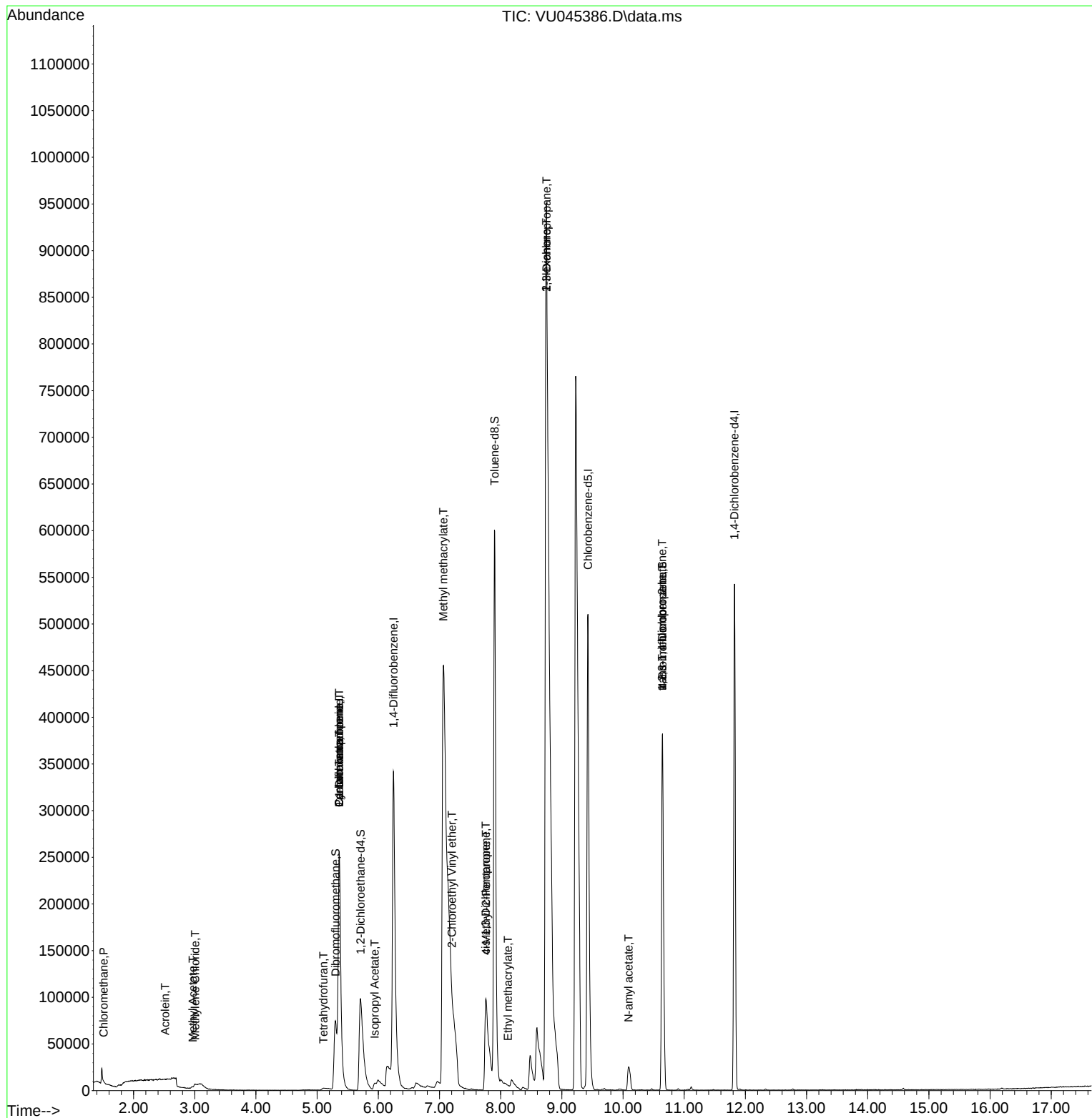
Internal Standards						
1) Pentafluorobenzene	5.362	168	214037	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.250	114	405781	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.427	117	382012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.822	152	157890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	170488	47.851	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.700%
35) Dibromofluoromethane	5.301	113	108688	42.460	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	84.920%
50) Toluene-d8	7.899	98	515385	50.957	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.920%
62) 4-Bromofluorobenzene	10.645	95	186148	44.579	ug/l	0.01
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.160%
Target Compounds						
					Qvalue	
3) Chloromethane	1.514	50	772	0.225	ug/l	89
13) Acrolein	2.517	56	21	3.229	ug/l #	1
18) Methyl Acetate	2.967	43	3247	0.525	ug/l #	88
20) Methylene Chloride	3.009	84	1996	0.627	ug/l	95
29) Tetrahydrofuran	5.102	42	1518	0.849	ug/l #	58
31) Cyclohexane	5.362	56	5368	0.992	ug/l #	1
36) 1,1-Dichloropropene	5.362	75	22912	5.399	ug/l #	51
38) Carbon Tetrachloride	5.362	117	22382	6.095	ug/l #	15
43) Isopropyl Acetate	5.941	43	7671	0.908	ug/l	97
48) Methyl methacrylate	7.063	41	139225	33.862	ug/l #	34
51) 4-Methyl-2-Pentanone	7.761	43	95850	15.587	ug/l #	43
54) cis-1,3-Dichloropropene	7.758	75	50285	9.632	ug/l #	57
56) Ethyl methacrylate	8.118	69	1267	2.012	ug/l #	32
57) 1,3-Dichloropropane	8.748	76	27256	4.634	ug/l #	43
58) 2-Chloroethyl Vinyl ether	7.202	63	40	21.889	ug/l #	49
59) 2-Hexanone	8.745	43	323775	64.655	ug/l #	54
74) N-amyl acetate	10.089	43	14899	2.517	ug/l #	46
76) 1,2,3-Trichloropropane	10.642	75	96824	21.024	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.642	75	96824	58.346	ug/l #	9

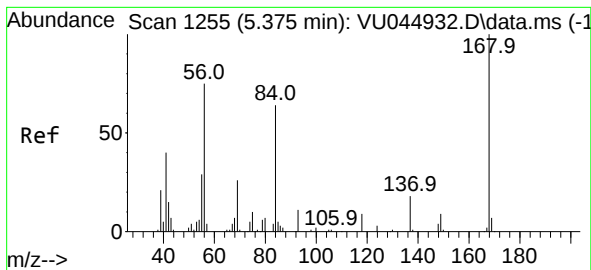
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

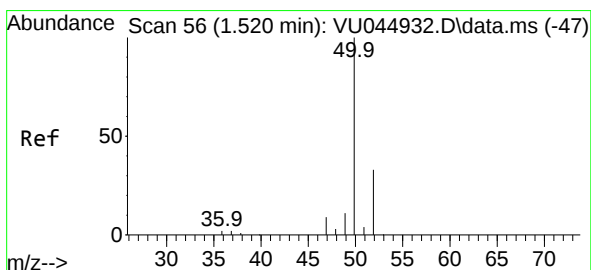
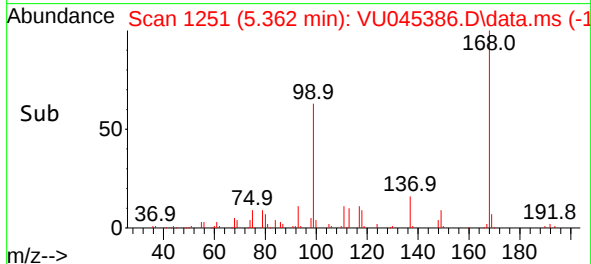
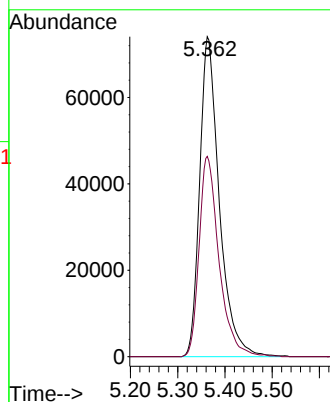
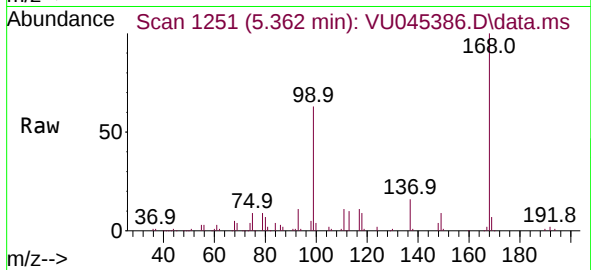




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.362 min Scan# 1251
Delta R.T. -0.013 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51

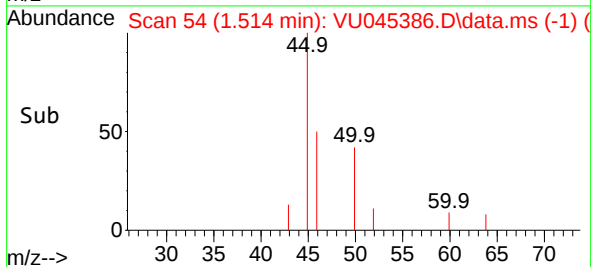
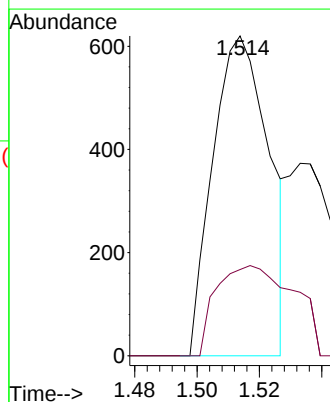
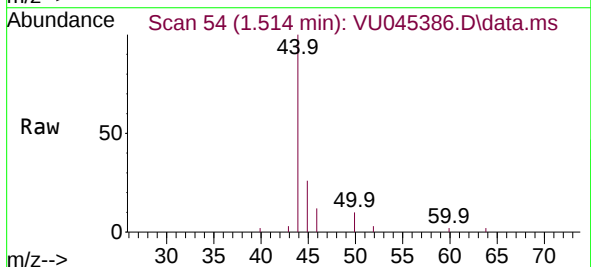
Instrument :
MSVOA_U
ClientSampled :

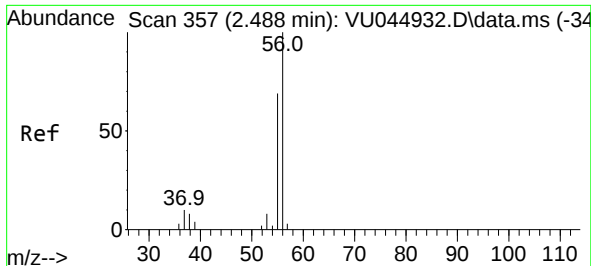
Tgt Ion:168 Resp: 214037
Ion Ratio Lower Upper
168 100
99 62.6 51.4 77.0



#3
Chloromethane
Concen: 0.225 ug/l
RT: 1.514 min Scan# 54
Delta R.T. -0.006 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51

Tgt Ion: 50 Resp: 772
Ion Ratio Lower Upper
50 100
52 26.9 26.3 39.5

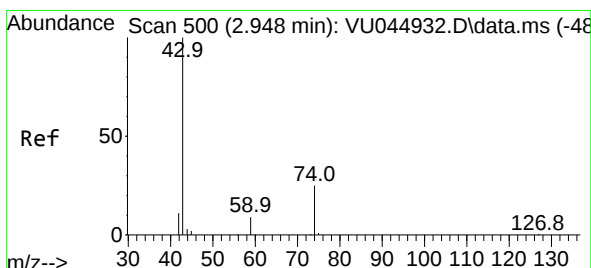
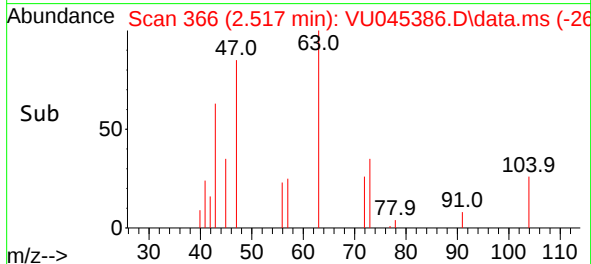
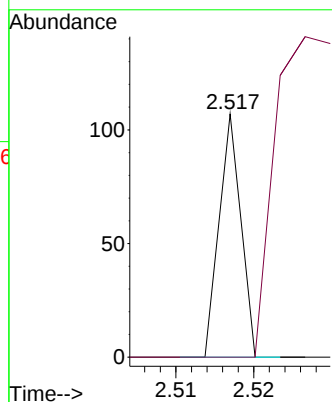
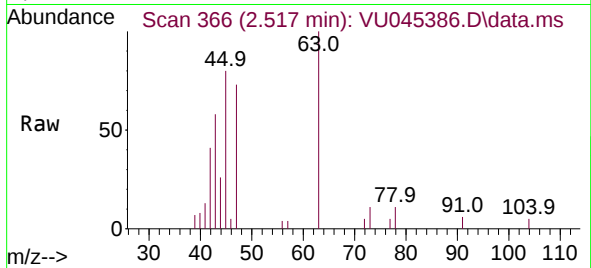




#13
Acrolein
Concen: 3.229 ug/l
RT: 2.517 min Scan# 366
Delta R.T. 0.029 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51

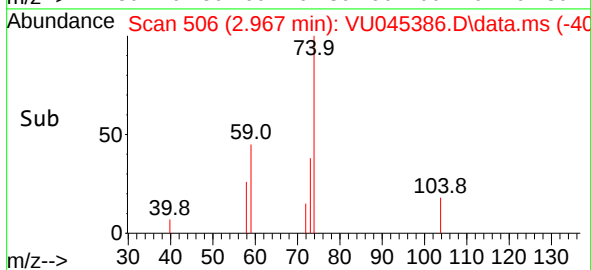
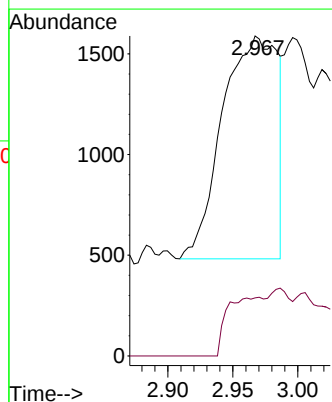
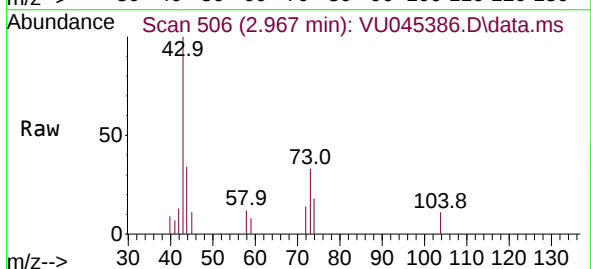
Instrument :
MSVOA_U
ClientSampled :

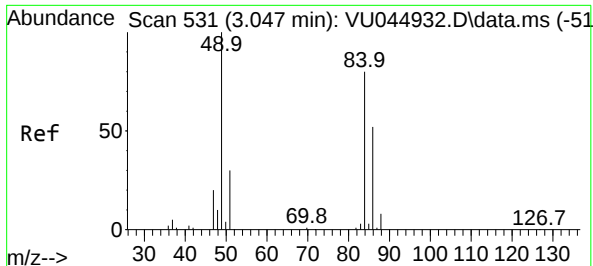
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 676.2 57.4 86.0#



#18
Methyl Acetate
Concen: 0.525 ug/l
RT: 2.967 min Scan# 506
Delta R.T. 0.019 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51

Tgt Ion: 43 Resp: 3247
Ion Ratio Lower Upper
43 100
74 29.9 19.0 28.6#



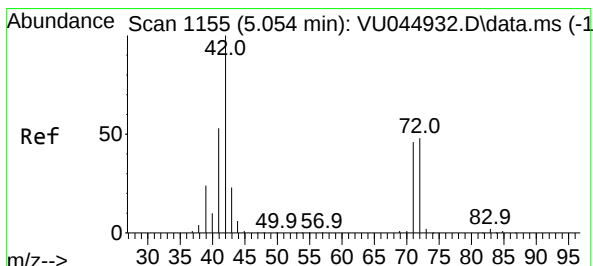
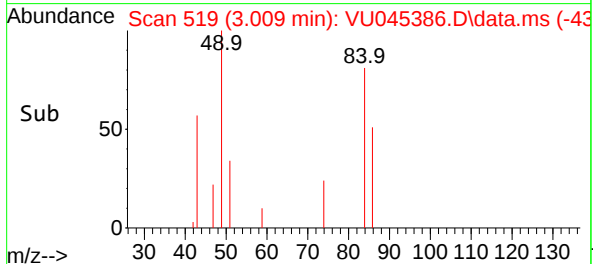
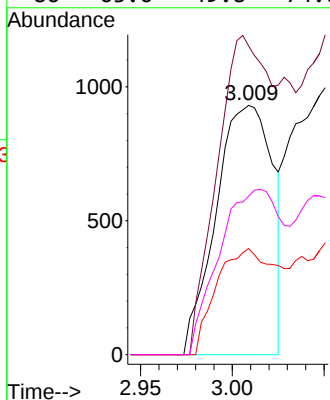
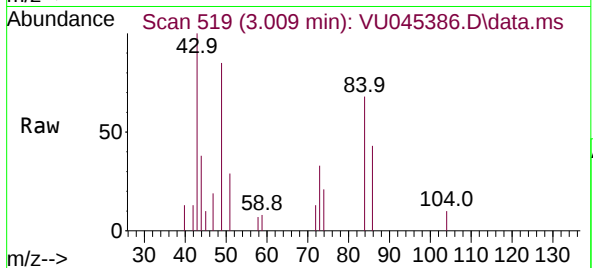


#20
Methylene Chloride
Concen: 0.627 ug/l
RT: 3.009 min Scan# 519
Delta R.T. -0.038 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 84 Resp: 1996

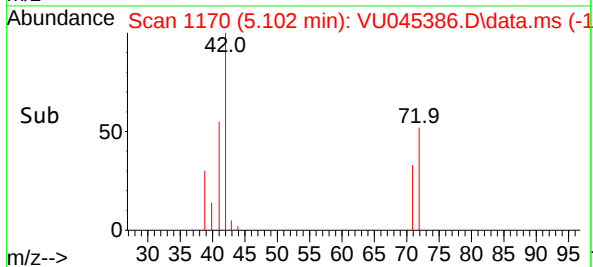
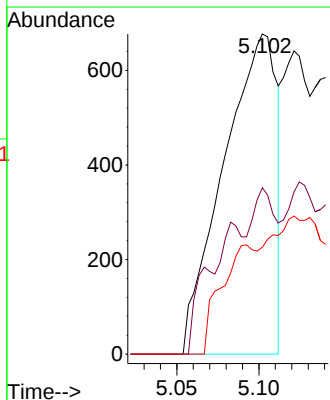
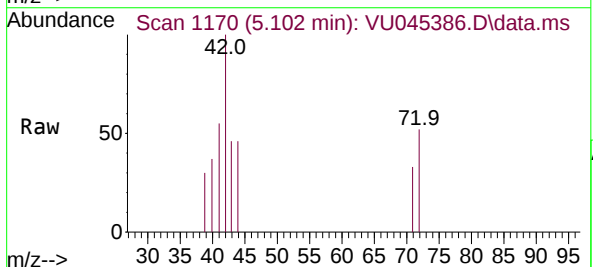
Ion	Ratio	Lower	Upper
84	100		
49	123.8	104.9	157.3
51	42.5	31.8	47.8
86	63.6	49.8	74.6

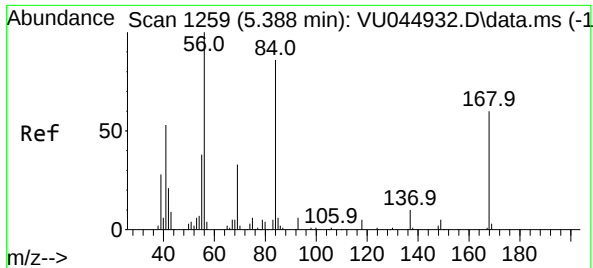


#29
Tetrahydrofuran
Concen: 0.849 ug/l
RT: 5.102 min Scan# 1170
Delta R.T. 0.048 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51

Tgt Ion: 42 Resp: 1518

Ion	Ratio	Lower	Upper
42	100		
72	10.3	36.2	54.4#
71	23.0	34.1	51.1#

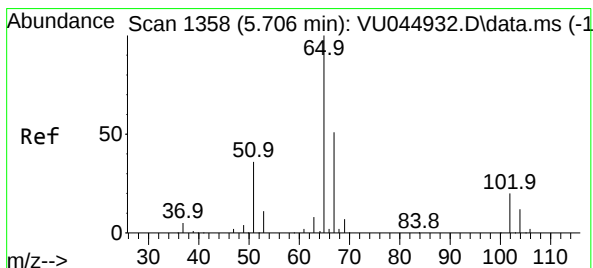
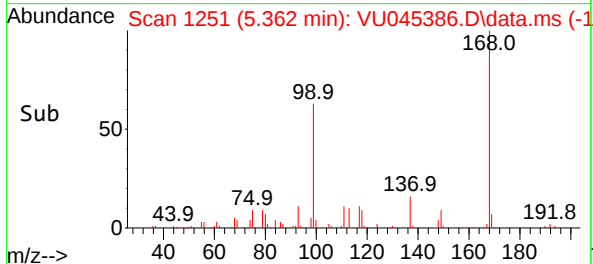
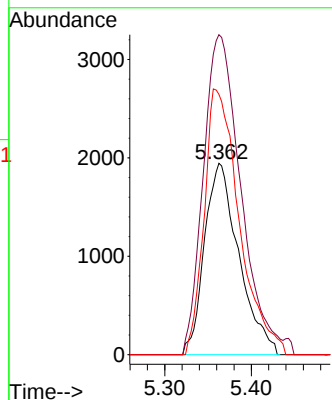
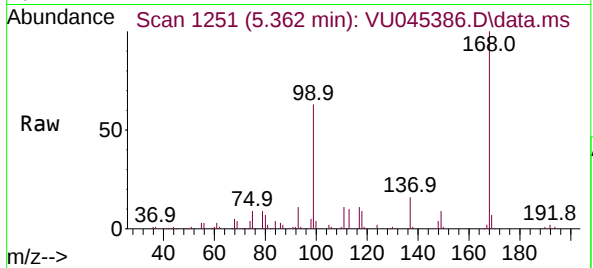




#31
Cyclohexane
Concen: 0.992 ug/l
RT: 5.362 min Scan# 1251
Delta R.T. -0.026 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51

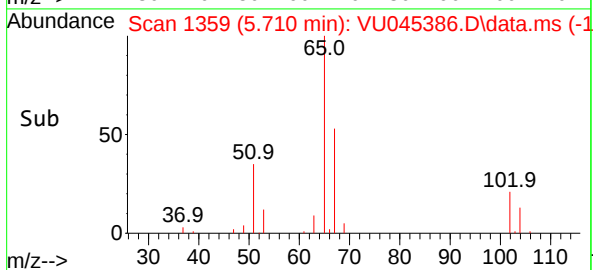
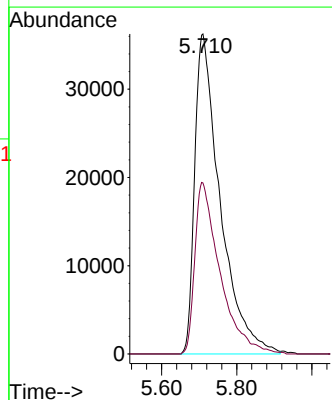
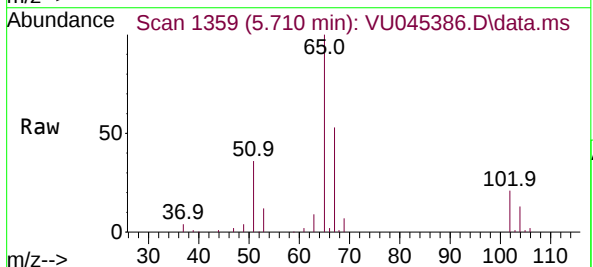
Instrument :
MSVOA_U
ClientSampleId :

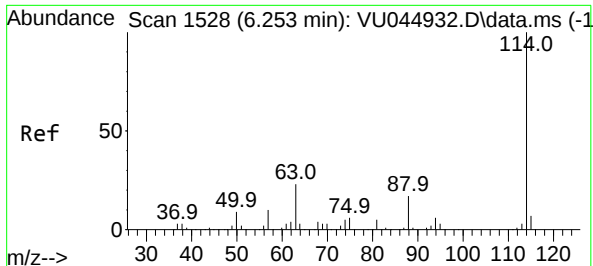
Tgt Ion:	56	Resp:	5368
Ion	Ratio	Lower	Upper
56	100		
69	167.3	25.2	37.8#
84	136.1	66.4	99.6#



#33
1,2-Dichloroethane-d4
Concen: 47.851 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. 0.004 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51

Tgt Ion:	65	Resp:	170488
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.003 min

Lab File: VU045386.D

Acq: 25 Oct 2021 15:51

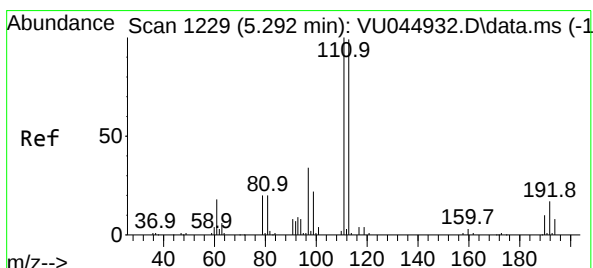
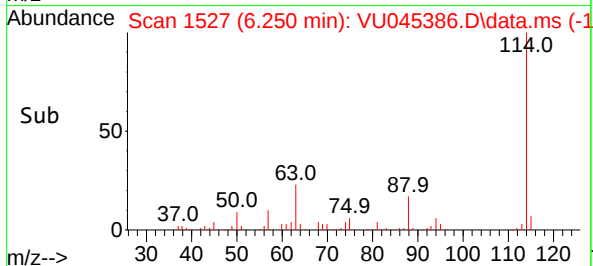
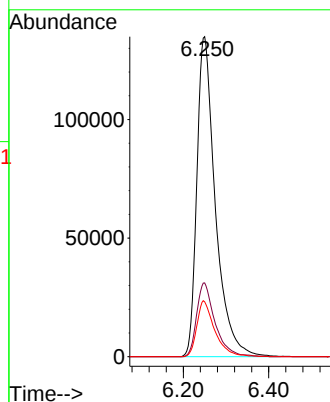
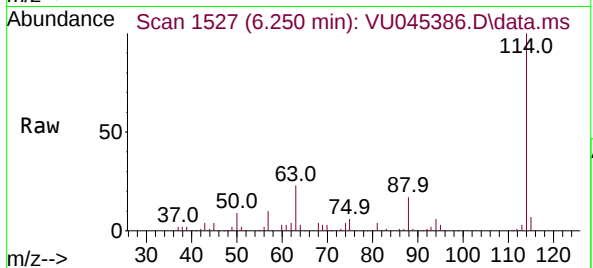
Tgt Ion:114 Resp: 405781

Ion Ratio Lower Upper

114 100

63 23.0 0.0 47.8

88 17.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 42.460 ug/l

RT: 5.301 min Scan# 1232

Delta R.T. 0.009 min

Lab File: VU045386.D

Acq: 25 Oct 2021 15:51

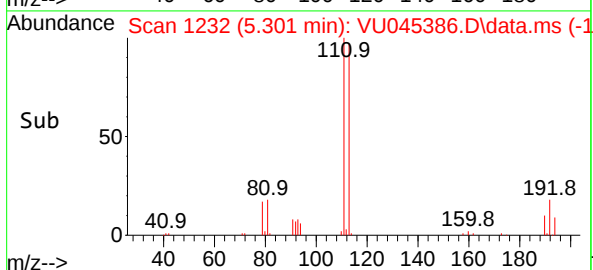
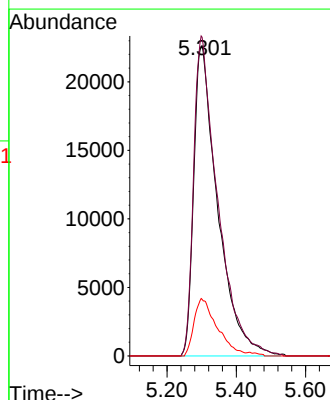
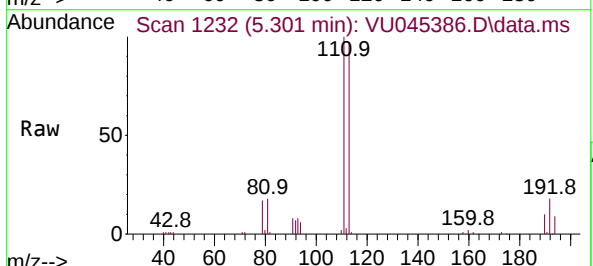
Tgt Ion:113 Resp: 108688

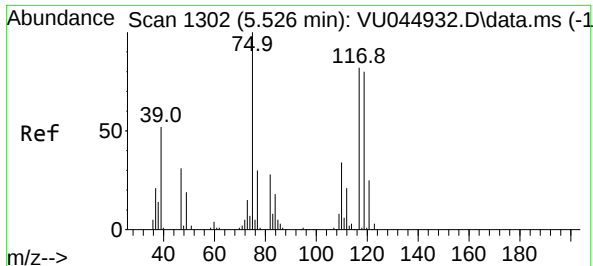
Ion Ratio Lower Upper

113 100

111 103.8 84.1 126.1

192 17.9 14.8 22.2



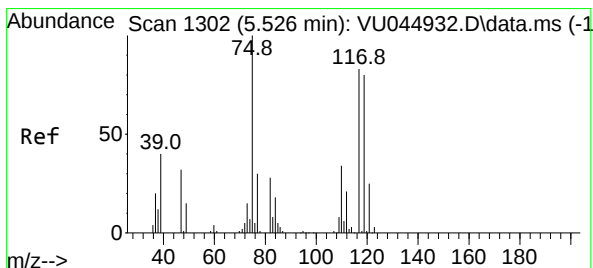
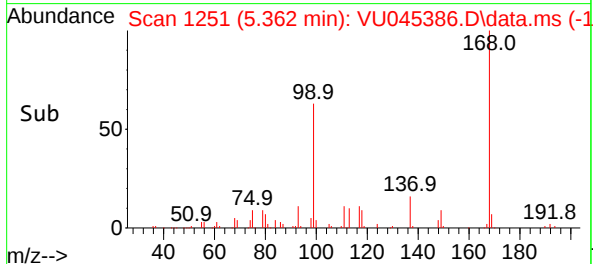
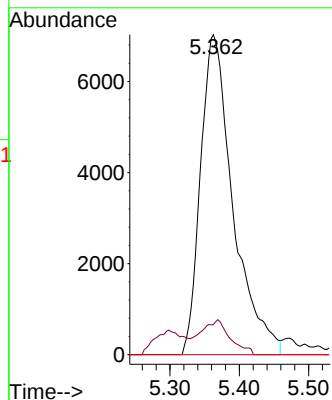
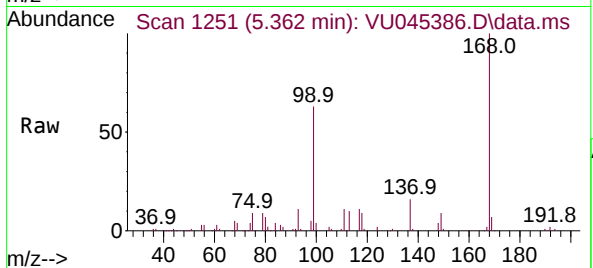


#36

1,1-Dichloropropene
Concen: 5.399 ug/l
RT: 5.362 min Scan# 1251
Delta R.T. -0.163 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51

Instrument :
MSVOA_U
ClientSampleId :

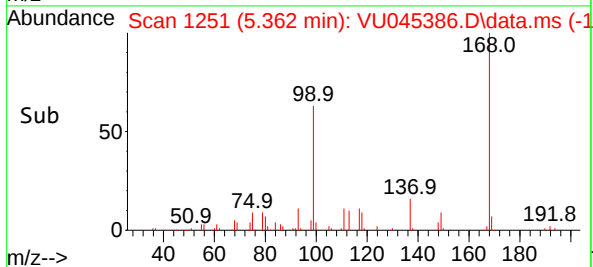
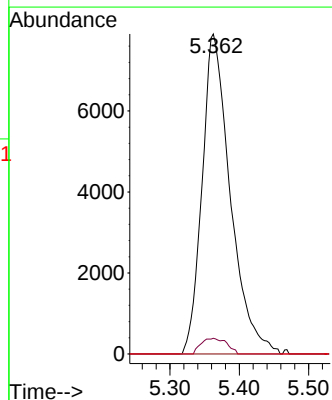
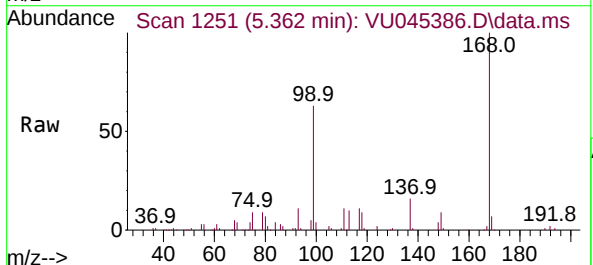
Tgt Ion: 75 Resp: 22912
Ion Ratio Lower Upper
75 100
110 9.1 16.3 48.9#
77 0.0 25.0 37.4#

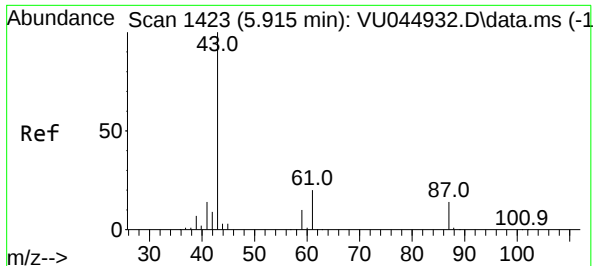


#38

Carbon Tetrachloride
Concen: 6.095 ug/l
RT: 5.362 min Scan# 1251
Delta R.T. -0.163 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51

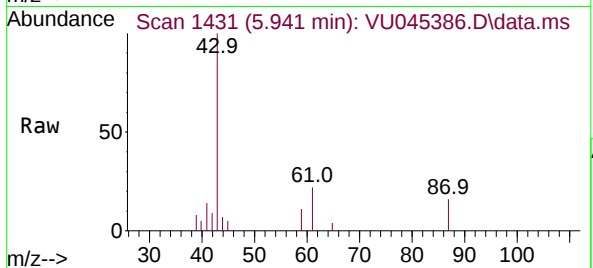
Tgt Ion: 117 Resp: 22382
Ion Ratio Lower Upper
117 100
119 4.9 77.4 116.2#
121 0.0 24.5 36.7#



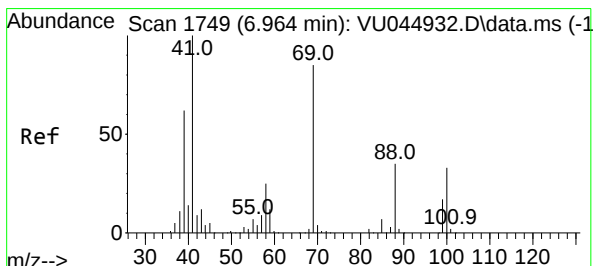
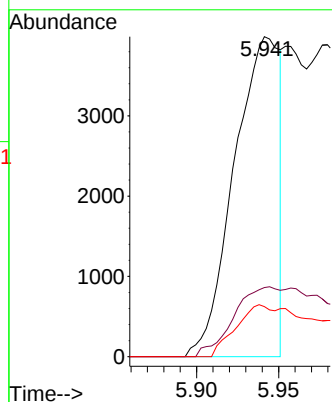
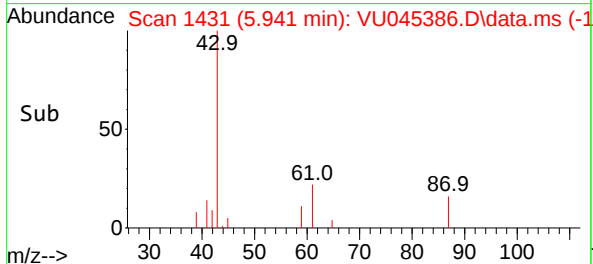


#43
Isopropyl Acetate
Concen: 0.908 ug/l
RT: 5.941 min Scan# 1431
Delta R.T. 0.026 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51

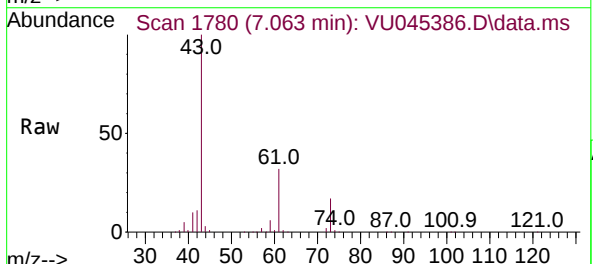
Instrument :
MSVOA_U
ClientSampled :



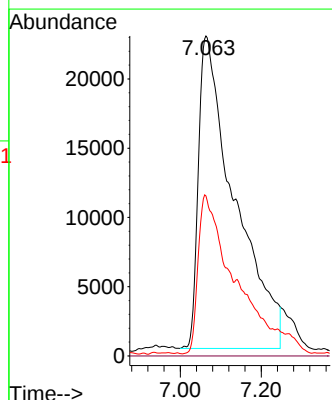
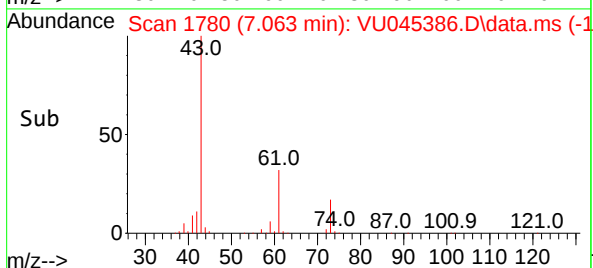
Tgt Ion: 43	Resp: 7671
Ion Ratio	Lower Upper
43	100
61	22.0 16.1 24.1
87	13.5 10.3 15.5

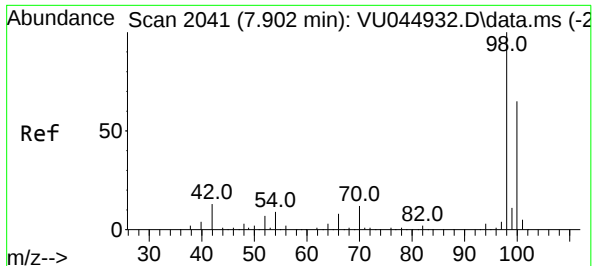


#48
Methyl methacrylate
Concen: 33.862 ug/l
RT: 7.063 min Scan# 1780
Delta R.T. 0.099 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51



Tgt Ion: 41	Resp: 139225
Ion Ratio	Lower Upper
41	100
69	0.0 65.6 98.4#
39	35.4 46.2 69.4#

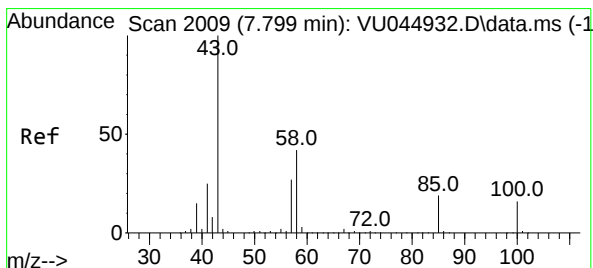
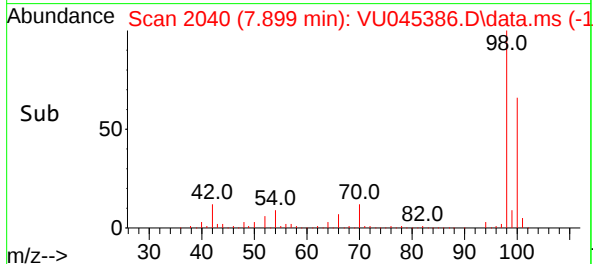
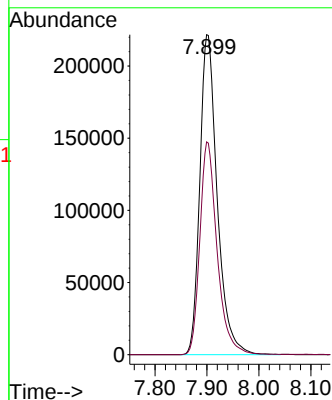
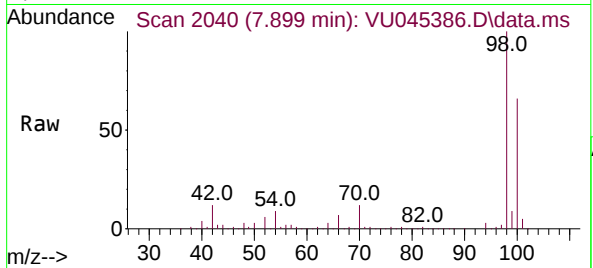




#50
Toluene-d8
Concen: 50.957 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51

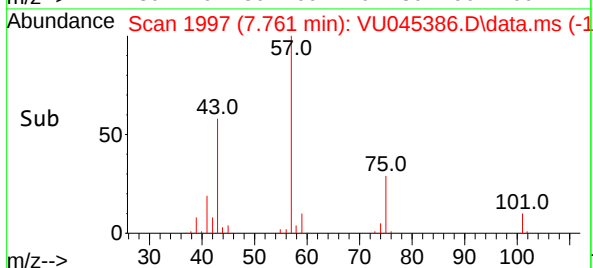
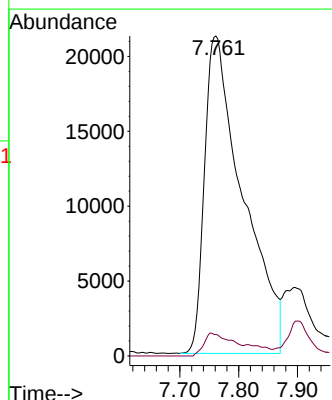
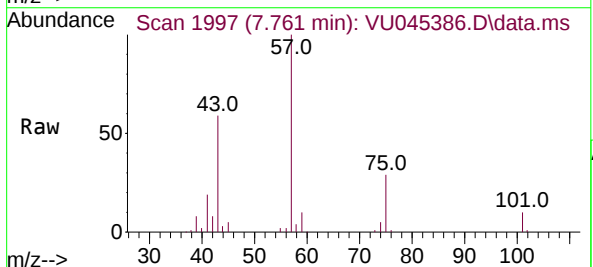
Instrument :
MSVOA_U
ClientSampled :

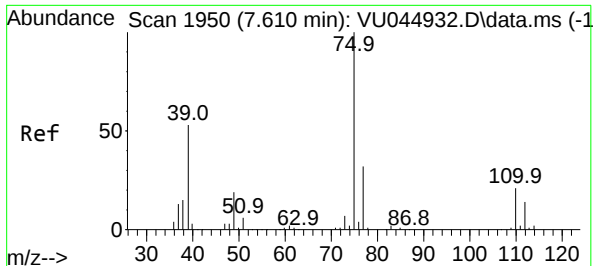
Tgt Ion: 98 Resp: 515385
Ion Ratio Lower Upper
98 100
100 66.1 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 15.587 ug/l
RT: 7.761 min Scan# 1997
Delta R.T. -0.038 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51

Tgt Ion: 43 Resp: 95850
Ion Ratio Lower Upper
43 100
58 5.2 32.4 48.6#

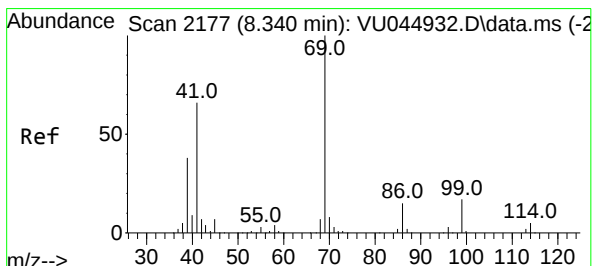
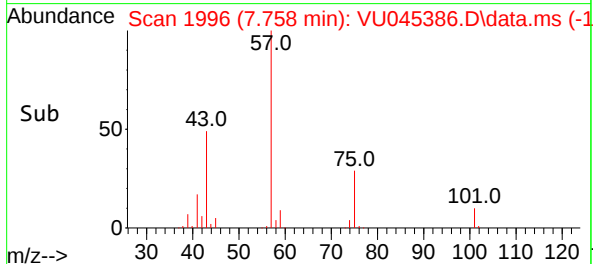
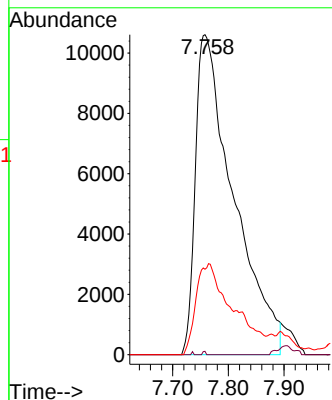
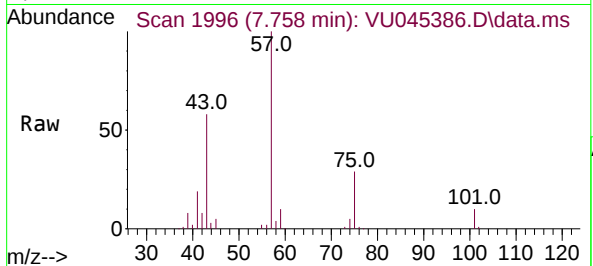




#54
 cis-1,3-Dichloropropene
 Concen: 9.632 ug/l
 RT: 7.758 min Scan# 1996
 Delta R.T. 0.148 min
 Lab File: VU045386.D
 Acq: 25 Oct 2021 15:51

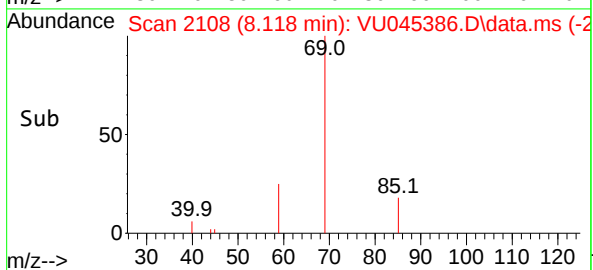
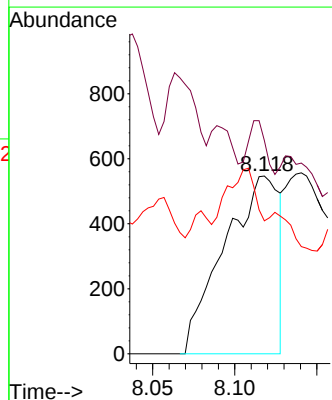
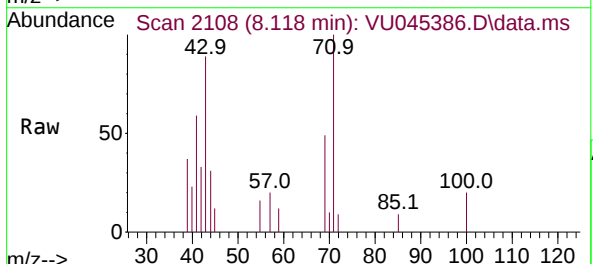
Instrument :
 MSVOA_U
 ClientSampled :

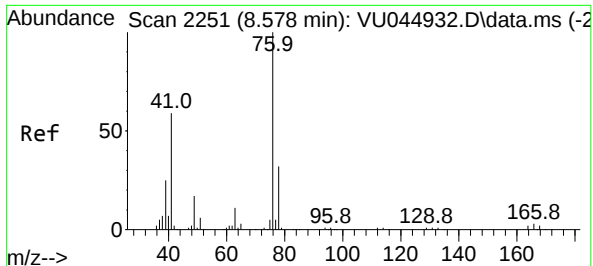
Tgt Ion: 75 Resp: 50285
 Ion Ratio Lower Upper
 75 100
 77 1.1 25.0 37.6#
 39 26.7 41.4 62.2#



#56
 Ethyl methacrylate
 Concen: 2.012 ug/l
 RT: 8.118 min Scan# 2108
 Delta R.T. -0.222 min
 Lab File: VU045386.D
 Acq: 25 Oct 2021 15:51

Tgt Ion: 69 Resp: 1267
 Ion Ratio Lower Upper
 69 100
 41 0.0 53.5 80.3#
 39 13.1 31.1 46.7#



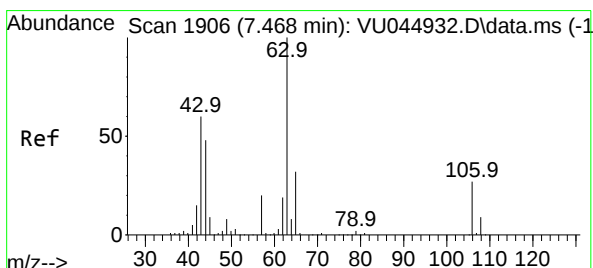
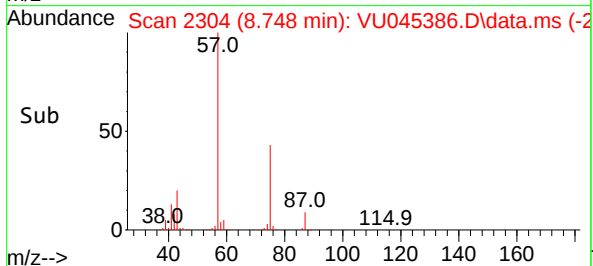
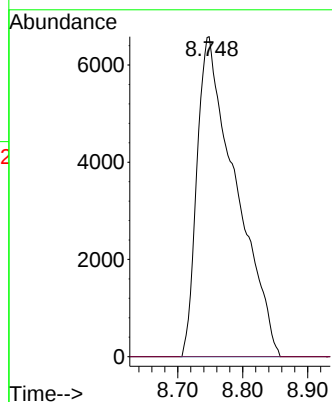
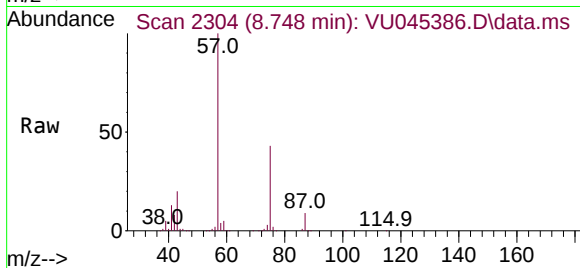


#57

1,3-Dichloropropane
Concen: 4.634 ug/l
RT: 8.748 min Scan# 2304
Delta R.T. 0.170 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51

Instrument :
MSVOA_U
ClientSampled :

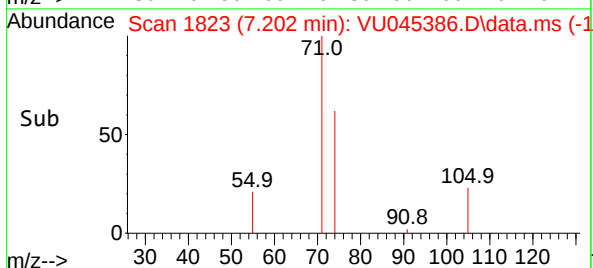
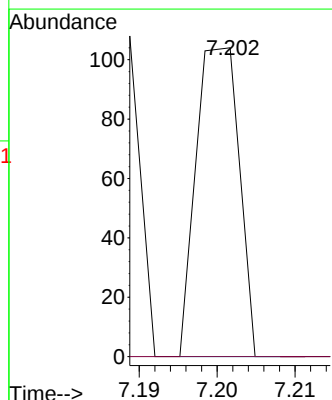
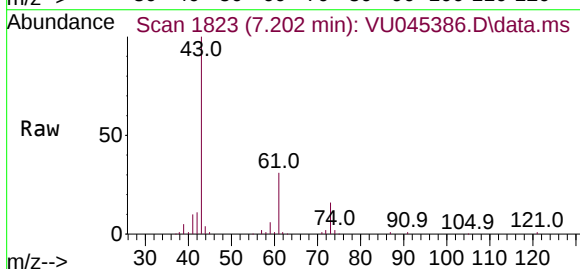
Tgt Ion: 76 Resp: 27256
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

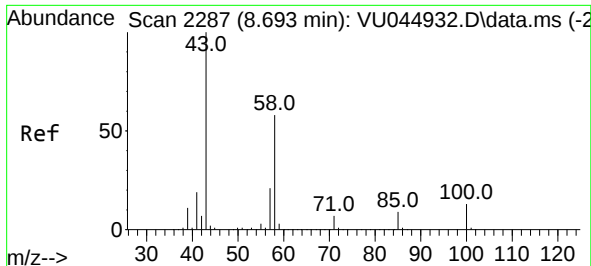


#58

2-Chloroethyl Vinyl ether
Concen: 21.889 ug/l
RT: 7.202 min Scan# 1823
Delta R.T. -0.266 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51

Tgt Ion: 63 Resp: 40
Ion Ratio Lower Upper
63 100
106 0.0 20.5 30.7#

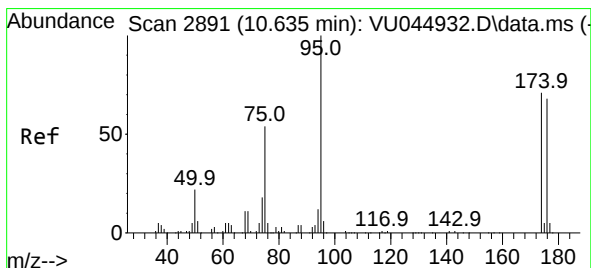
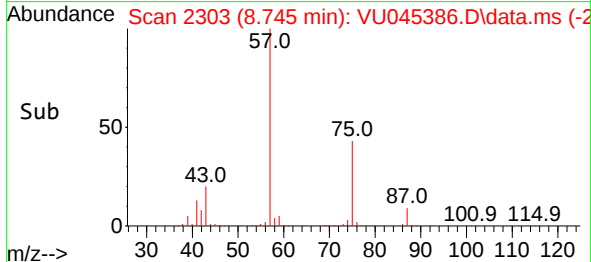
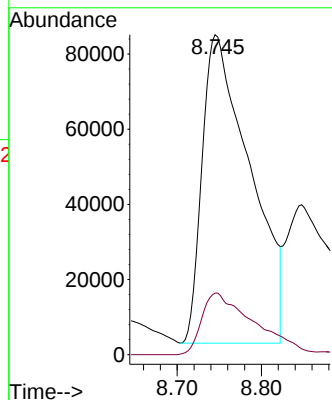
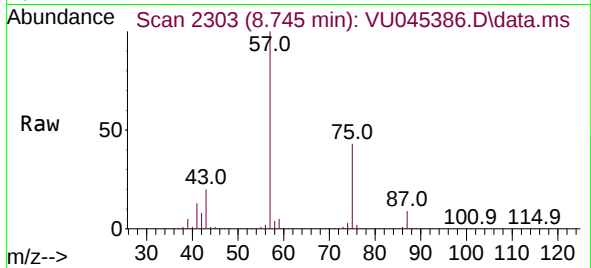




#59
2-Hexanone
Concen: 64.655 ug/l
RT: 8.745 min Scan# 2303
Delta R.T. 0.052 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51

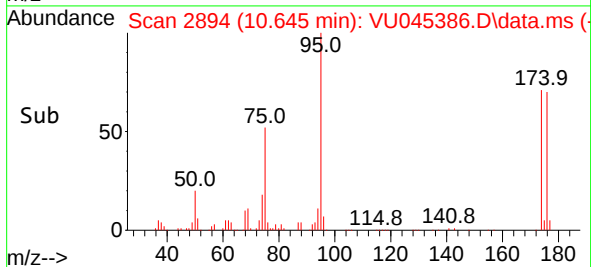
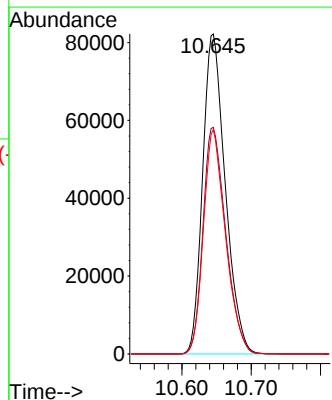
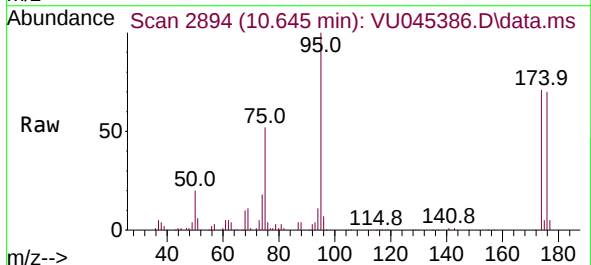
Instrument :
MSVOA_U
ClientSampleId :

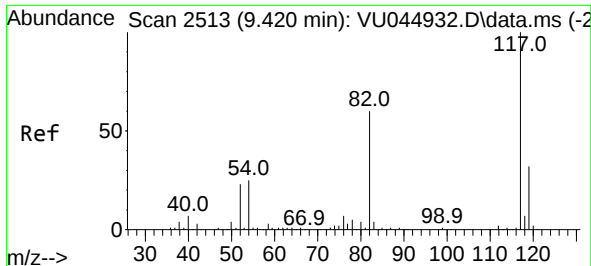
Tgt Ion: 43 Resp: 323775
Ion Ratio Lower Upper
43 100
58 22.1 28.0 84.0#



#62
4-Bromofluorobenzene
Concen: 44.579 ug/l
RT: 10.645 min Scan# 2894
Delta R.T. 0.010 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51

Tgt Ion: 95 Resp: 186148
Ion Ratio Lower Upper
95 100
174 71.3 0.0 146.6
176 68.6 0.0 141.2

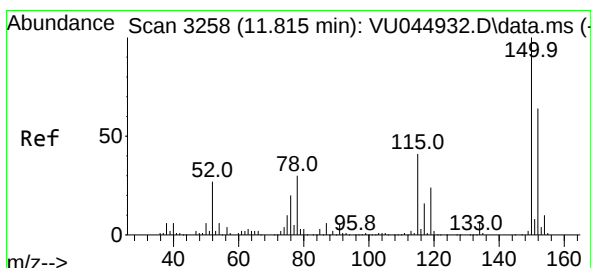
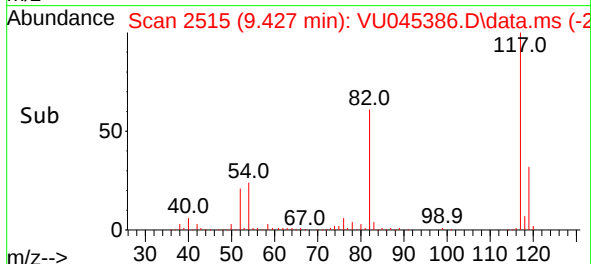
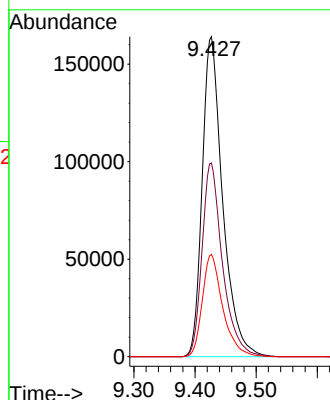
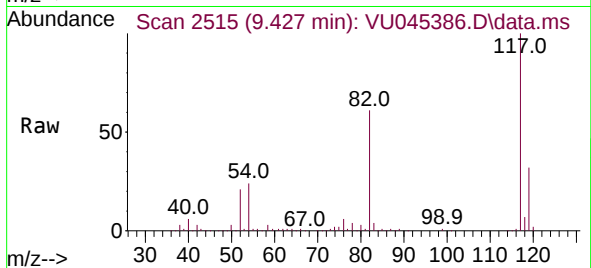




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.427 min Scan# 2515
Delta R.T. 0.007 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51

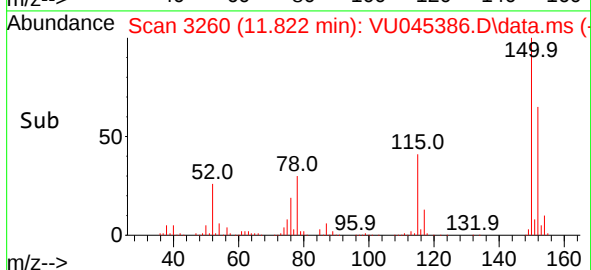
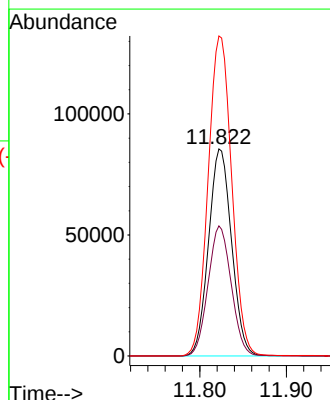
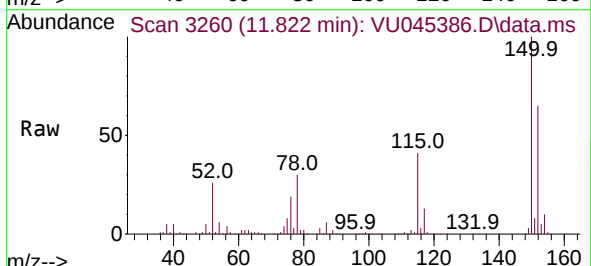
Instrument :
MSVOA_U
ClientSampled :

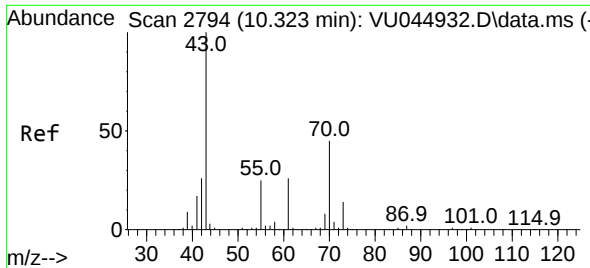
Tgt Ion:117 Resp: 382012
Ion Ratio Lower Upper
117 100
82 60.5 47.8 71.8
119 32.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.822 min Scan# 3260
Delta R.T. 0.007 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51

Tgt Ion:152 Resp: 157890
Ion Ratio Lower Upper
152 100
115 63.1 43.5 130.7
150 158.4 0.0 350.0

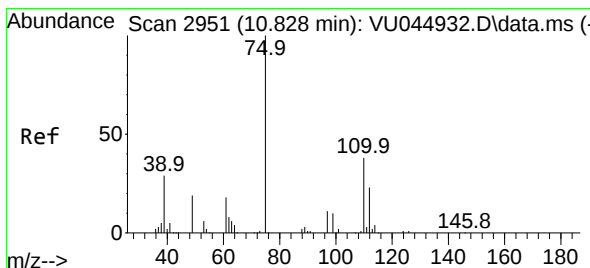
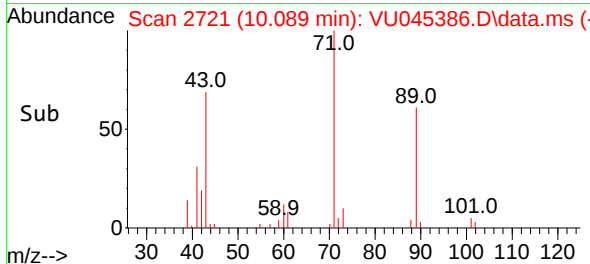
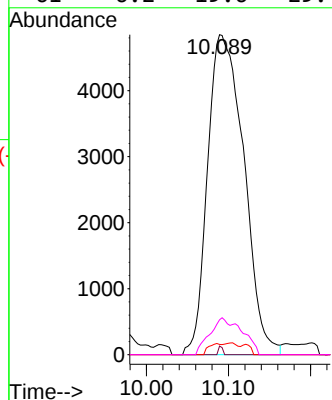
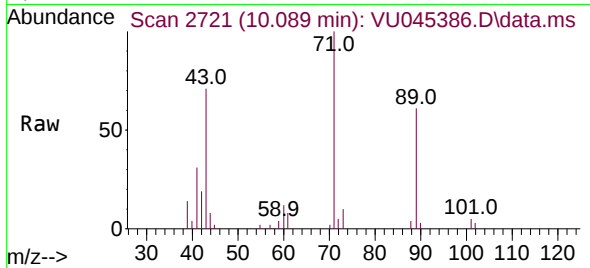




#74
N-amy1 acetate
Concen: 2.517 ug/l
RT: 10.089 min Scan# 2721
Delta R.T. -0.234 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51

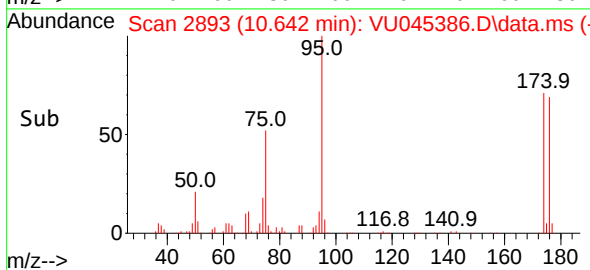
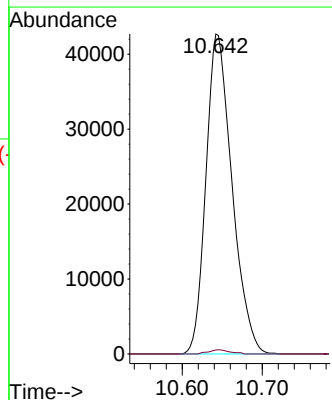
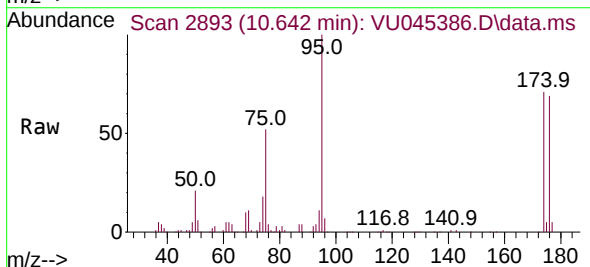
Instrument :
MSVOA_U
ClientSampled :

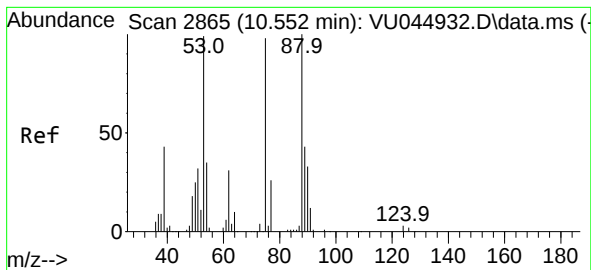
Tgt Ion:	43	Resp:	14899
Ion	Ratio	Lower	Upper
43	100		
70	0.3	35.1	52.7#
55	1.3	20.5	30.7#
61	6.2	19.6	29.4#



#76
1,2,3-Trichloropropane
Concen: 21.024 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. -0.186 min
Lab File: VU045386.D
Acq: 25 Oct 2021 15:51

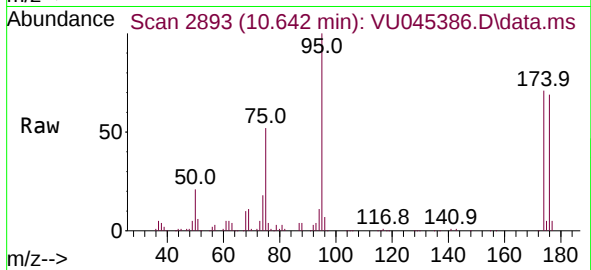
Tgt Ion:	75	Resp:	96824
Ion	Ratio	Lower	Upper
75	100		
77	1.1	17.9	53.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.346 ug/l
 RT: 10.642 min Scan# 2893
 Delta R.T. 0.090 min
 Lab File: VU045386.D
 Acq: 25 Oct 2021 15:51

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 96824
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#

