

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111318\
 Data File : VU028092.D
 Acq On : 13 Nov 2018 15:18
 Operator : MD/SY
 Sample : J5885-06DL2 1000X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 14 06:58:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	262542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	480809	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	414184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	163838	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	202371	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
35) Dibromofluoromethane	4.89	113	154192	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
50) Toluene-d8	7.57	98	612733	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	
62) 4-Bromofluorobenzene	10.31	95	193972	44.91	ug/l	0.00
Spiked Amount			Recovery	=	89.82%	

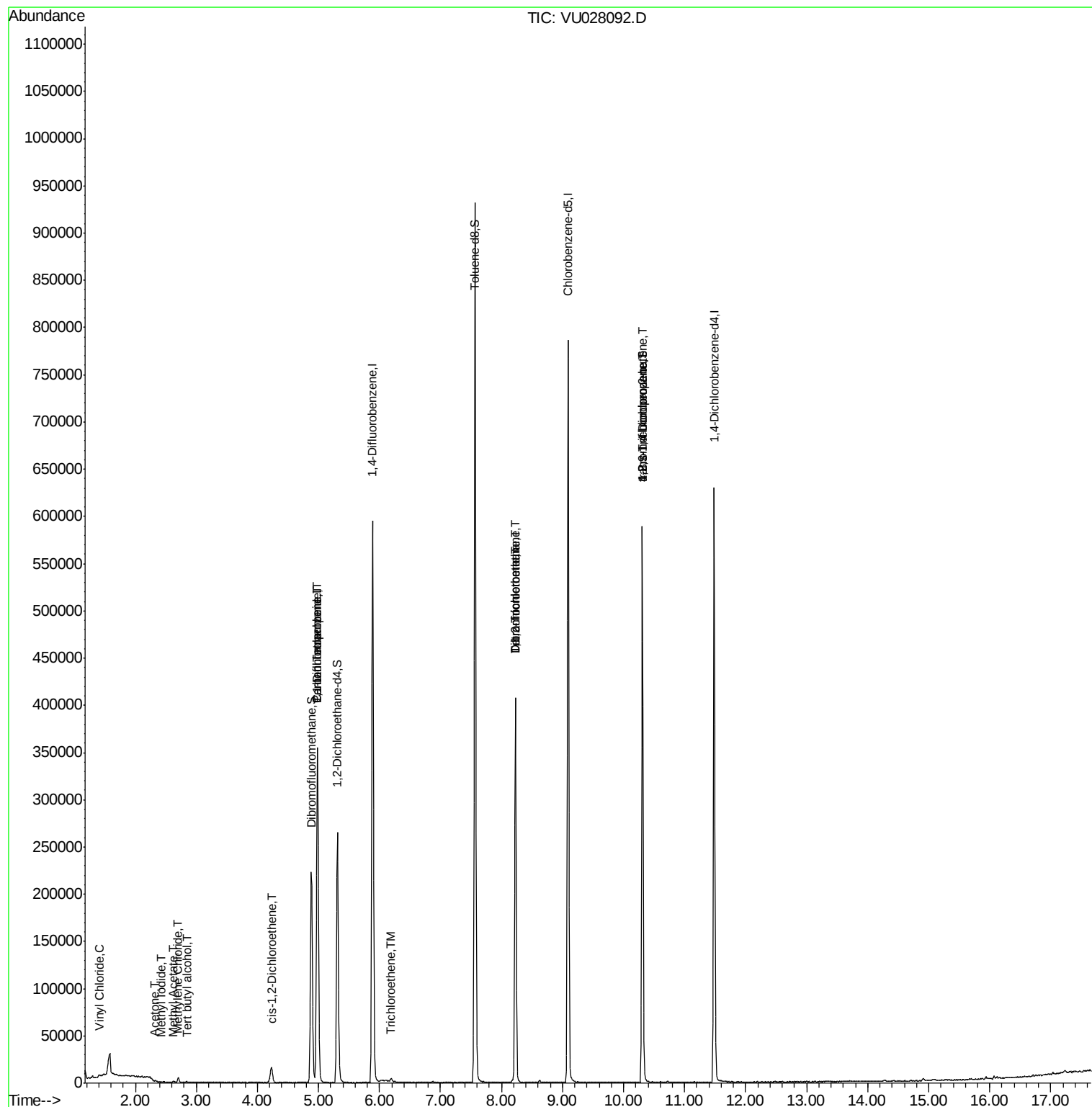
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	1368	0.342	ug/l #	60
10) Methyl Iodide	2.42	142	46	7.775	ug/l #	40
11) Tert butyl alcohol	2.84	59	659	0.638	ug/l #	73
13) Acrolein	2.19	56	112	Below Cal	#	58
16) Acetone	2.32	43	968	0.400	ug/l #	85
18) Methyl Acetate	2.62	43	1735	0.260	ug/l	92
20) Methylene Chloride	2.70	84	2337	0.661	ug/l	88
27) cis-1,2-Dichloroethene	4.23	96	8995	2.526	ug/l	80
31) Cyclohexane	4.98	56	5636	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	23051	4.578	ug/l #	49
38) Carbon Tetrachloride	4.98	117	25197	5.646	ug/l #	17
44) Trichloroethene	6.19	130	1219	0.368	ug/l	87
55) 1,1,2-Trichloroethane	8.22	97	897	0.244	ug/l #	1
60) Dibromochloromethane	8.23	129	84674	24.299	ug/l #	10
64) Tetrachloroethene	8.23	164	89633	33.374	ug/l	98
76) 1,2,3-Trichloropropane	10.31	75	99138	22.122	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	99138	55.206	ug/l #	100
95) Naphthalene	13.78	128	305	Below Cal	#	69

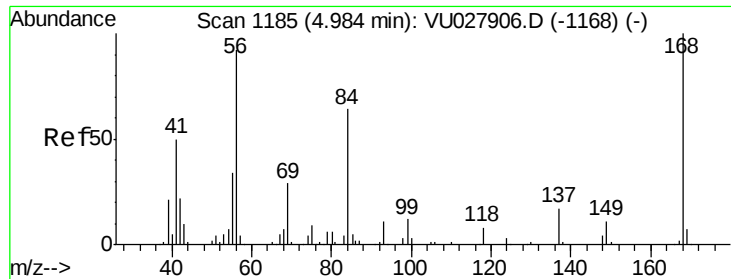
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028092.D

Acq: 13 Nov 2018 15:18

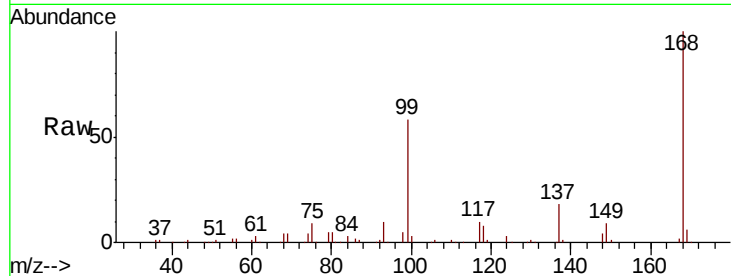
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 262542

Ion Ratio Lower Upper

168 100

99 57.5 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

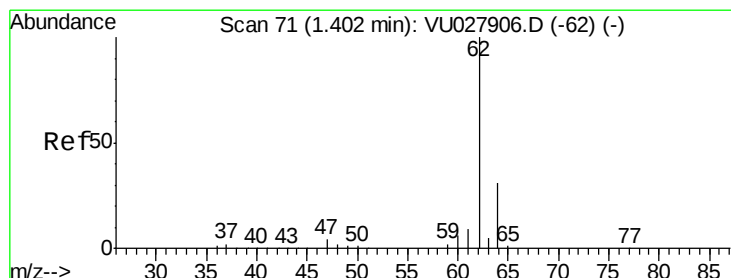
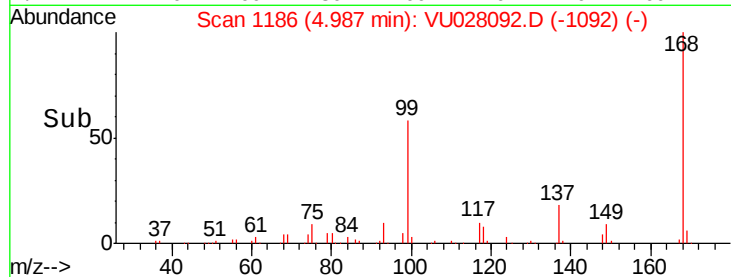
4.99

100000

50000

0

Time--> 4.90 4.95 5.00 5.05 5.10



#4

Vinyl Chloride

Concen: 0.342 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028092.D

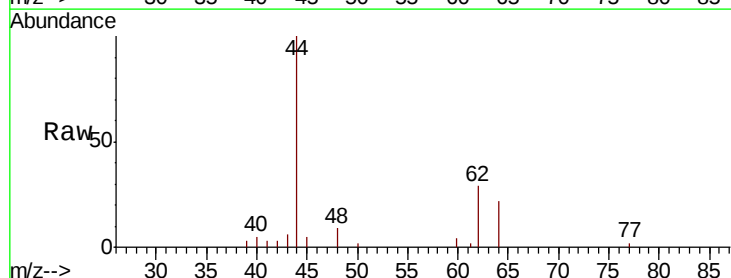
Acq: 13 Nov 2018 15:18

Tgt Ion: 62 Resp: 1368

Ion Ratio Lower Upper

62 100

64 53.6 25.2 37.8#



Abundance Ion 61.90 (61.60 to 62.60): VU027906.D (-62) (-)

Ion 63.90 (63.60 to 64.60): VU027906.D (-62) (-)

1.40

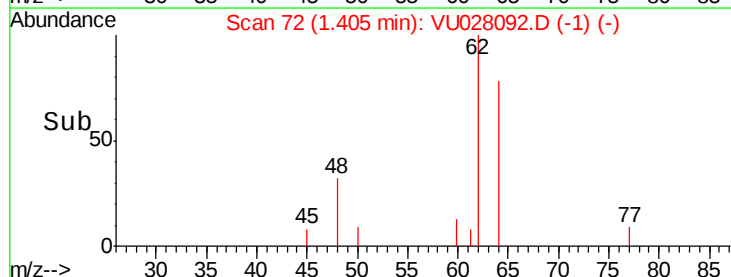
1500

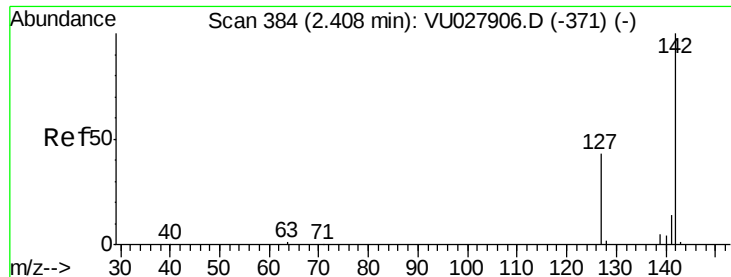
1000

500

0

Time--> 1.36 1.38 1.40 1.42 1.44

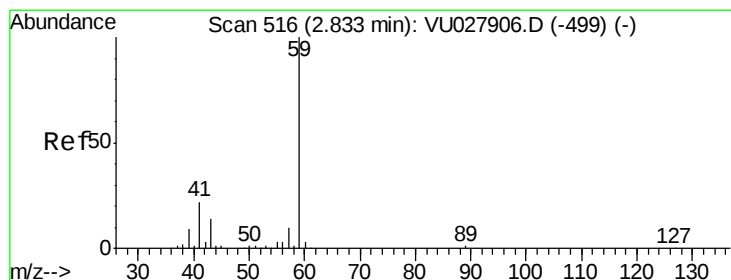
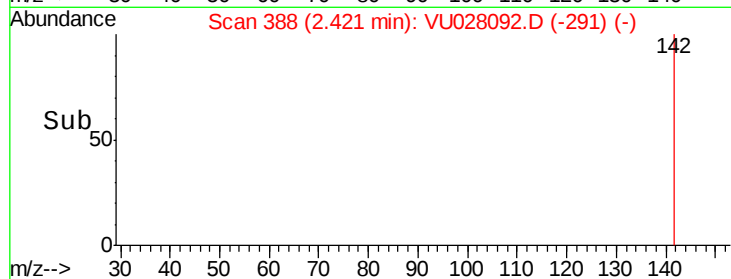
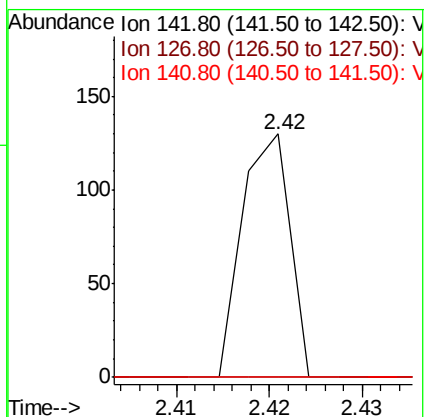
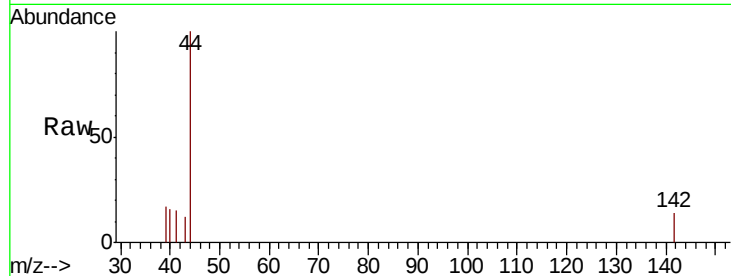




#10
Methyl Iodide
Concen: 7.775 ug/l
RT: 2.42 min Scan# 388
Delta R.T. 0.01 min
Lab File: VU028092.D
Acq: 13 Nov 2018 15:18

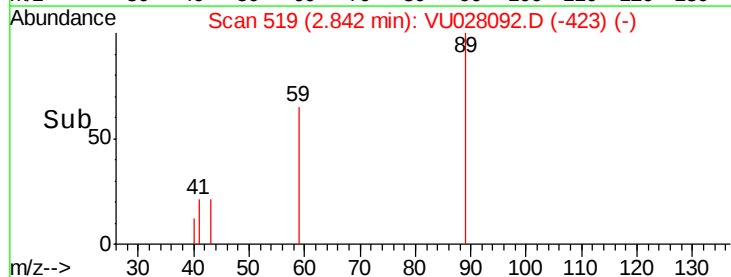
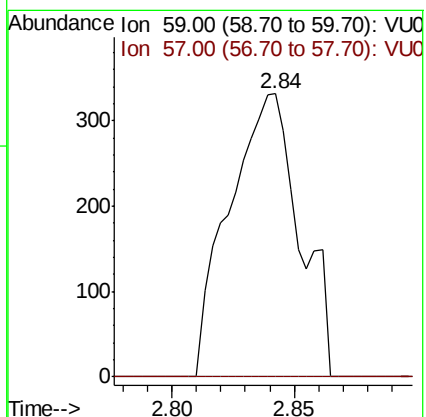
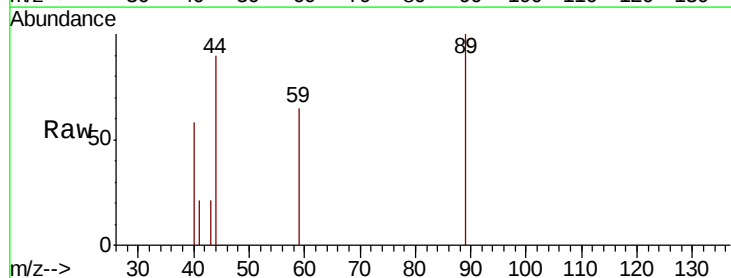
Instrument :
MSVOA_U
ClientSampleId :

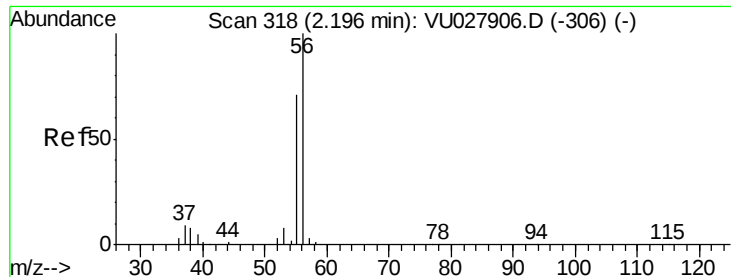
Tot Ion:142 Resp: 46
Ion Ratio Lower Upper
142 100
127 0.0 35.2 52.8#
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: 0.638 ug/l
RT: 2.84 min Scan# 519
Delta R.T. 0.01 min
Lab File: VU028092.D
Acq: 13 Nov 2018 15:18

Tgt Ion: 59 Resp: 659
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#13

Acrolein

Concen: Below Cal

RT: 2.19 min Scan# 315

Delta R.T. -0.01 min

Lab File: VU028092.D

Acq: 13 Nov 2018 15:18

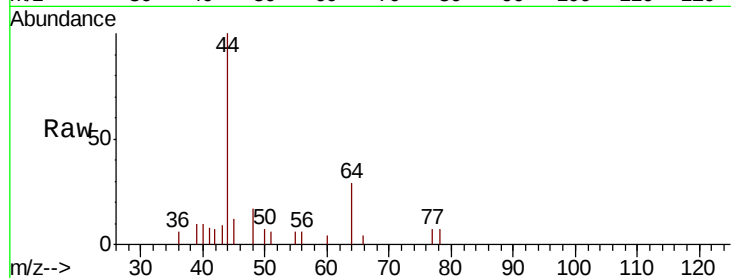
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 112

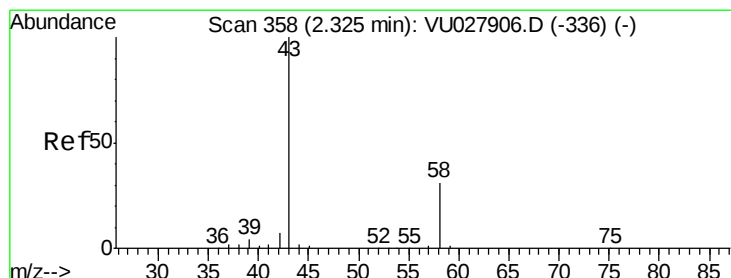
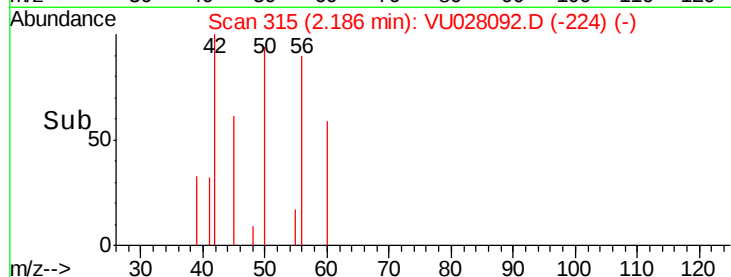
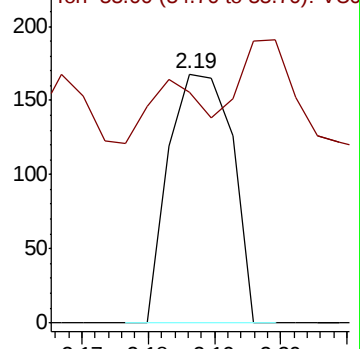
Ion Ratio Lower Upper

56 100

55 104.5 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)



#16

Acetone

Concen: 0.400 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028092.D

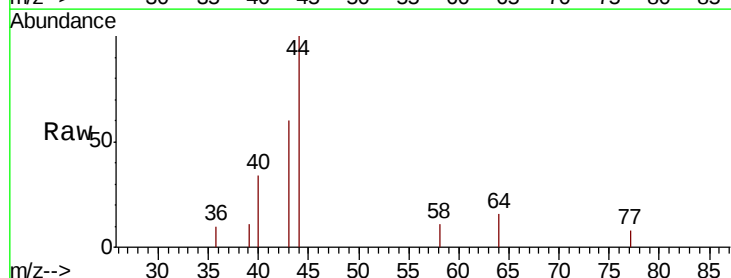
Acq: 13 Nov 2018 15:18

Tgt Ion: 43 Resp: 968

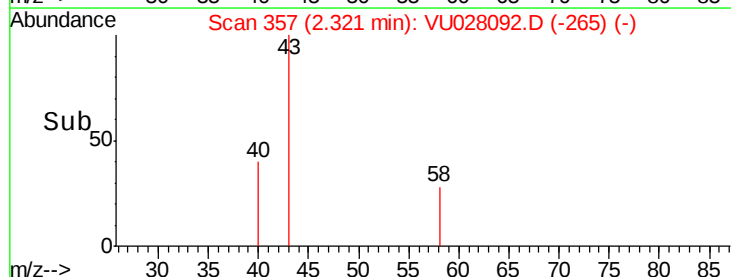
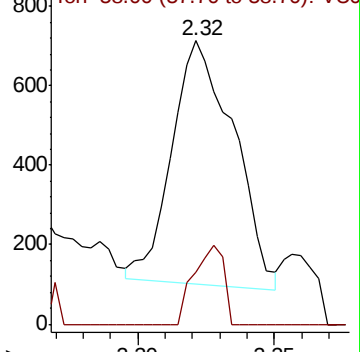
Ion Ratio Lower Upper

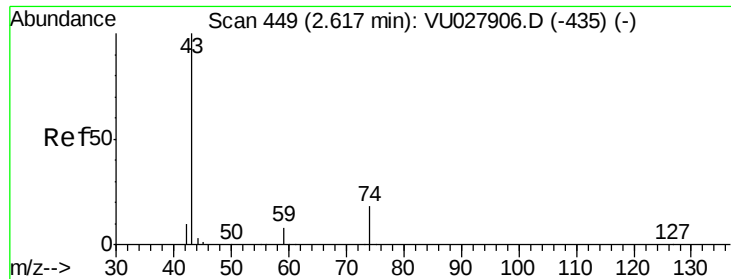
43 100

58 22.3 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-336) (-)

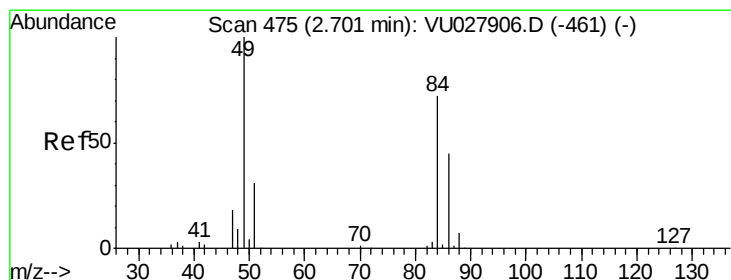
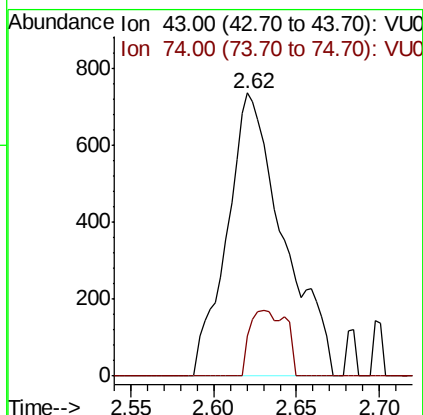
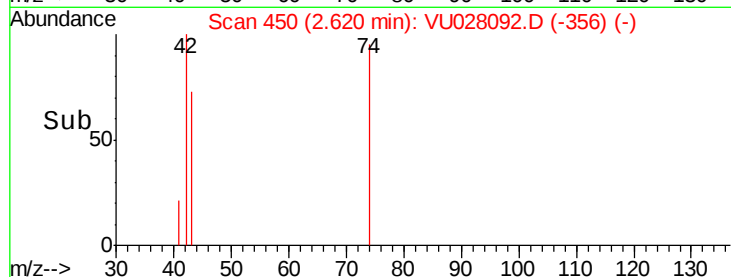
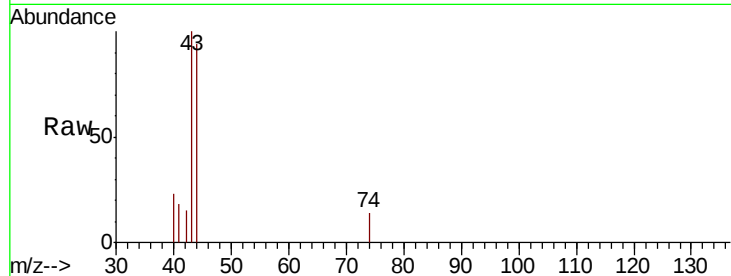




#18
Methyl Acetate
Concen: 0.260 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU028092.D
Acq: 13 Nov 2018 15:18

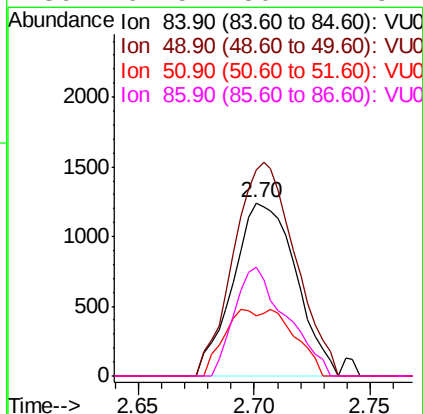
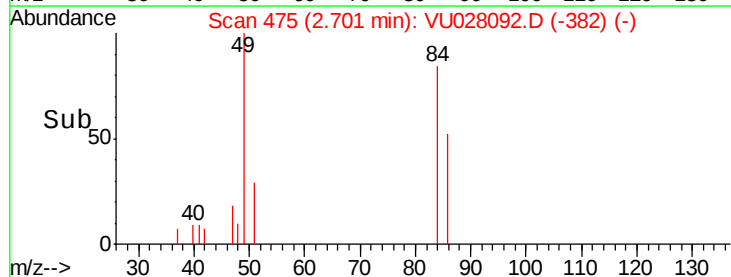
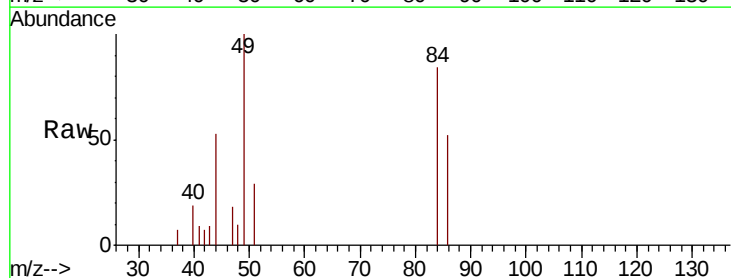
Instrument :
MSVOA_U
ClientSampled :

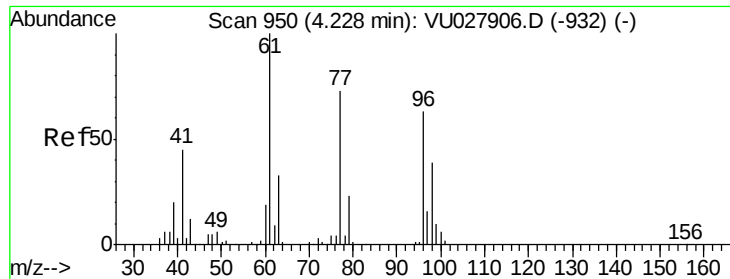
Tot Ion: 43 Resp: 1735
Ion Ratio Lower Upper
43 100
74 15.0 14.9 22.3



#20
Methylene Chloride
Concen: 0.661 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028092.D
Acq: 13 Nov 2018 15:18

Tgt Ion: 84 Resp: 2337
Ion Ratio Lower Upper
84 100
49 119.1 111.6 167.4
51 35.1 34.8 52.2
86 62.5 50.1 75.1

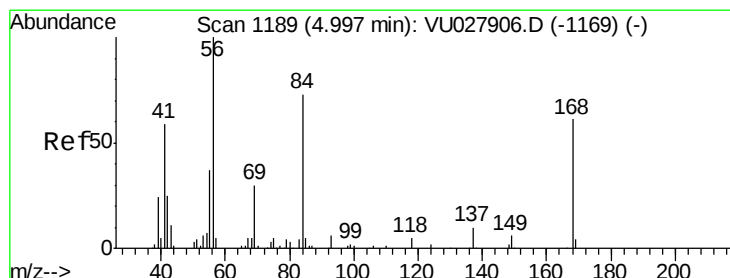
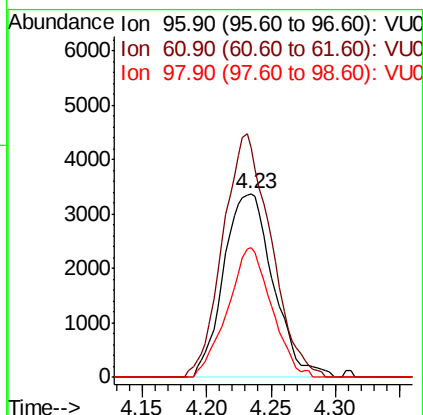
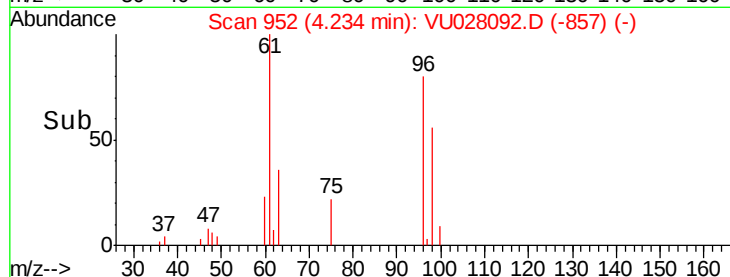
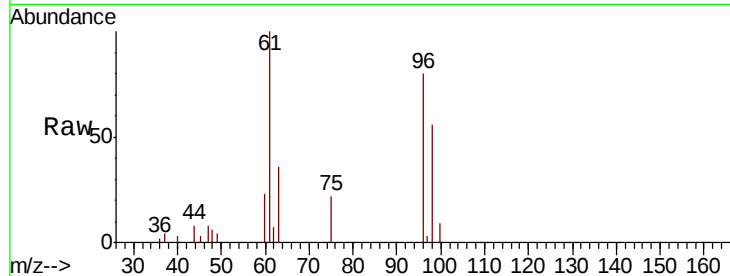




#27
 cis-1,2-Dichloroethene
 Concen: 2.526 ug/l
 RT: 4.23 min Scan# 952
 Delta R.T. 0.01 min
 Lab File: VU028092.D
 Acq: 13 Nov 2018 15:18

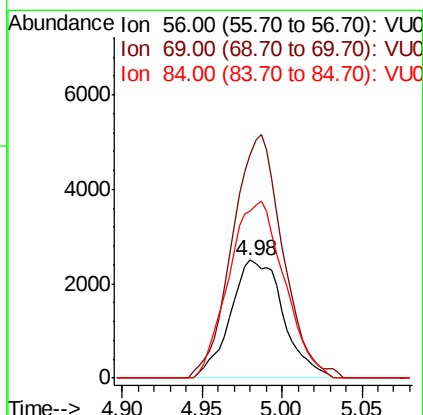
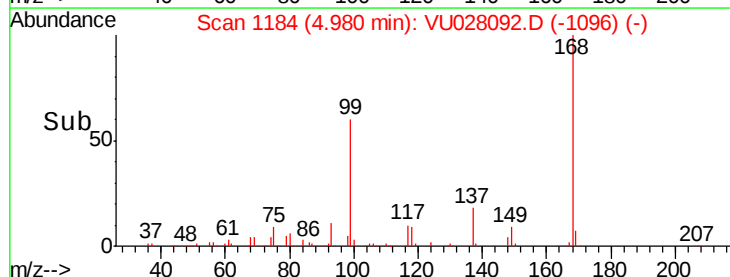
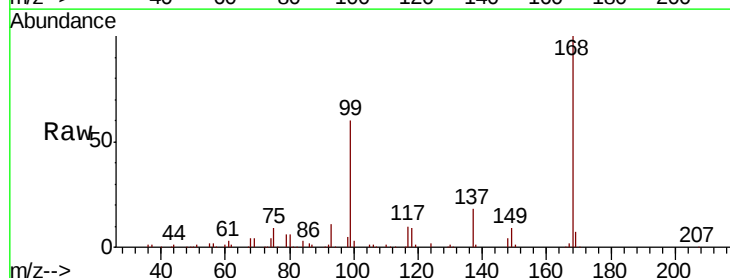
Instrument :
 MSVOA_U
 ClientSampled :

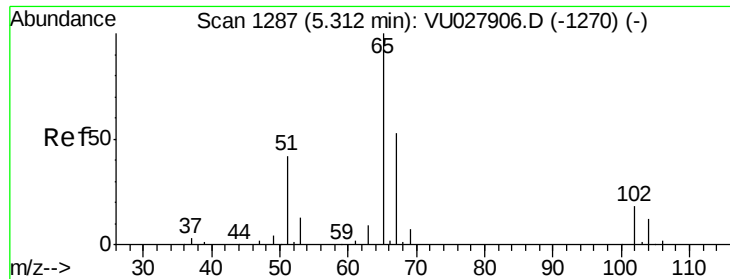
Tot Ion: 96 Resp: 8995
 Ion Ratio Lower Upper
 96 100
 61 128.7 0.0 329.6
 98 62.8 0.0 127.2



#31
 Cyclohexane
 Concen: Below Cal
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: VU028092.D
 Acq: 13 Nov 2018 15:18

Tgt Ion: 56 Resp: 5636
 Ion Ratio Lower Upper
 56 100
 69 189.5 23.7 35.5#
 84 142.1 58.2 87.4#

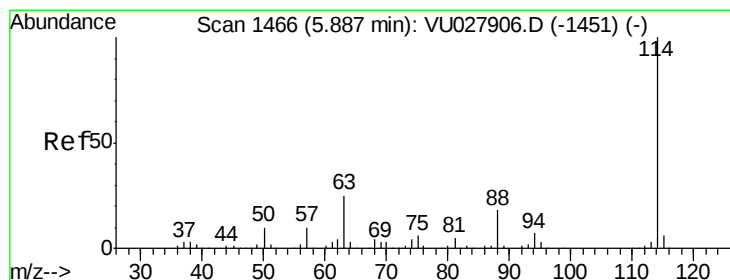
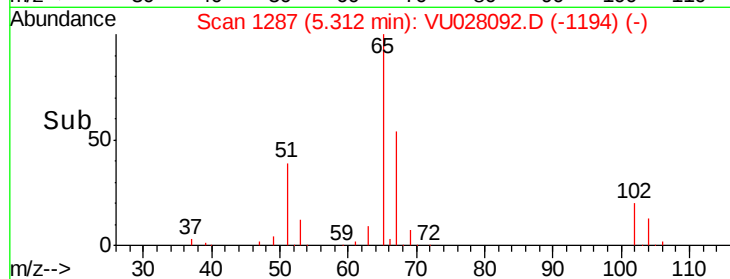
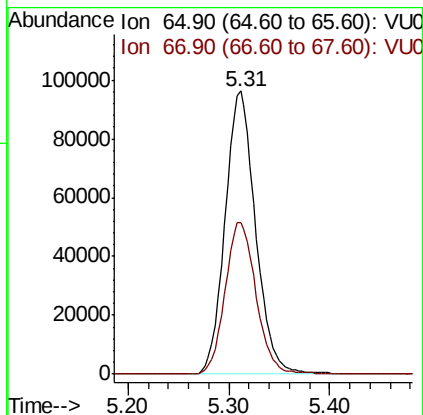
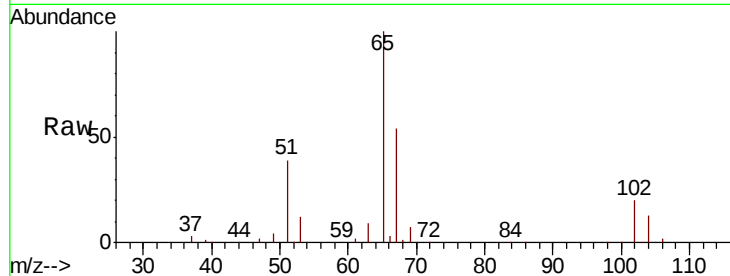




#33
 1,2-Dichloroethane-d4
 Concen: 51.846 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU028092.D
 Acq: 13 Nov 2018 15:18

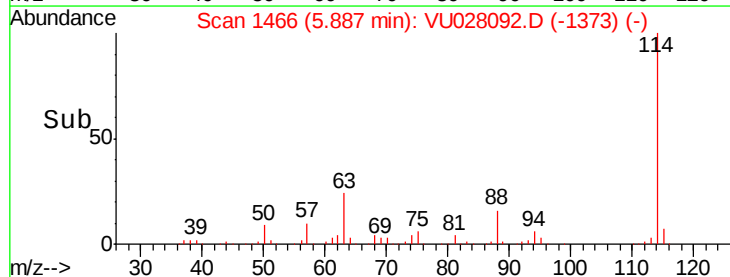
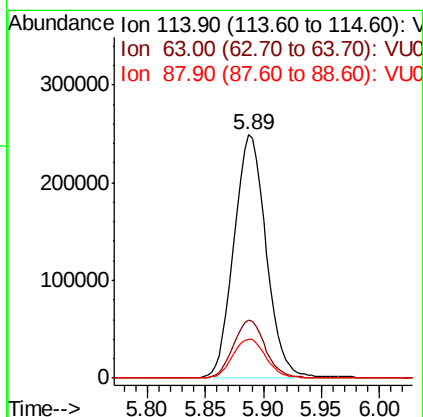
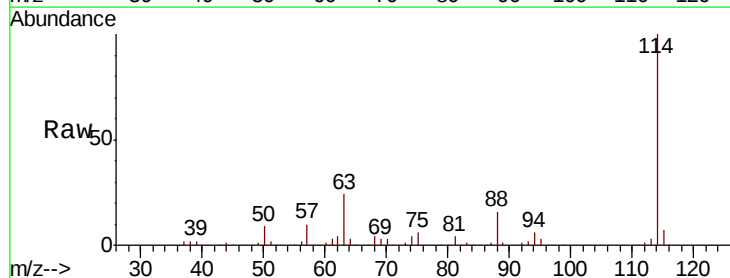
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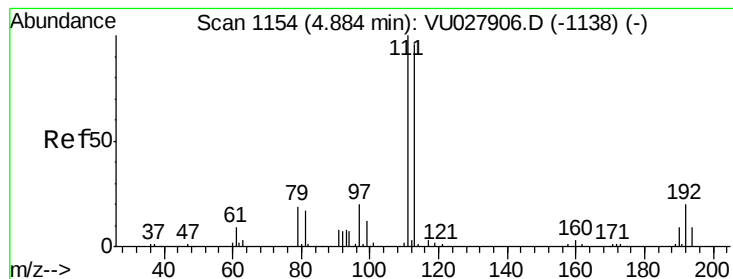
Tot Ion: 65 Resp: 202371
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028092.D
 Acq: 13 Nov 2018 15:18

Tgt Ion: 114 Resp: 480809
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 50.8
 88 16.2 0.0 35.8





#35

Dibromofluoromethane

Concen: 50.862 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU028092.D

Acq: 13 Nov 2018 15:18

Instrument :
MSVOA_U
ClientSampled :

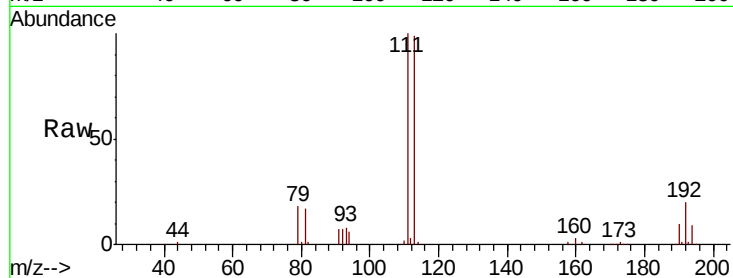
Tot Ion:113 Resp: 154192

Ion Ratio Lower Upper

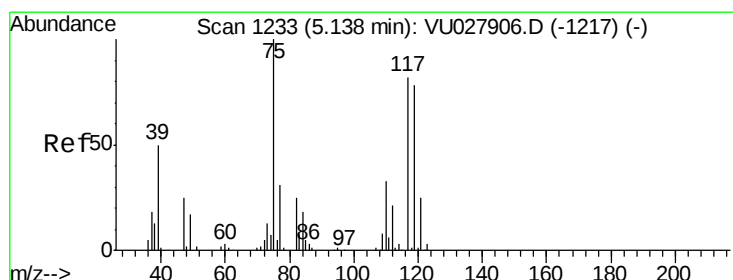
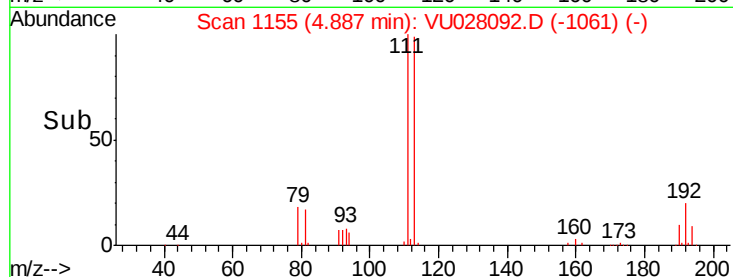
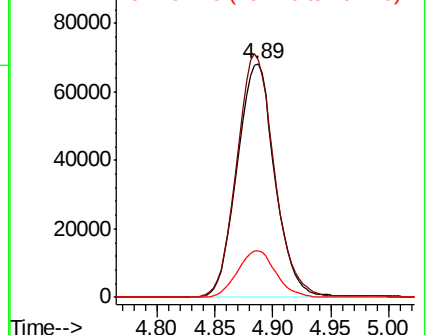
113 100

111 103.6 83.0 124.6

192 20.2 15.6 23.4



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.578 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028092.D

Acq: 13 Nov 2018 15:18

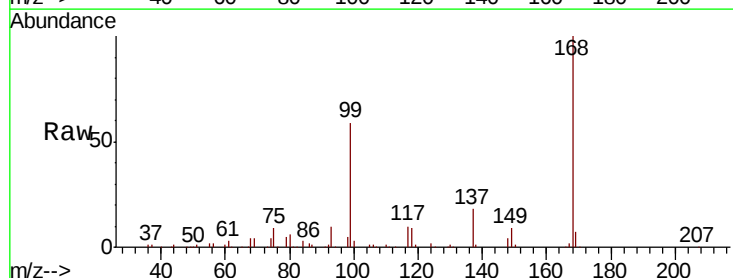
Tgt Ion: 75 Resp: 23051

Ion Ratio Lower Upper

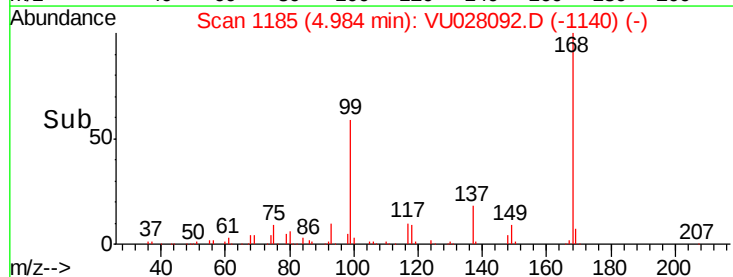
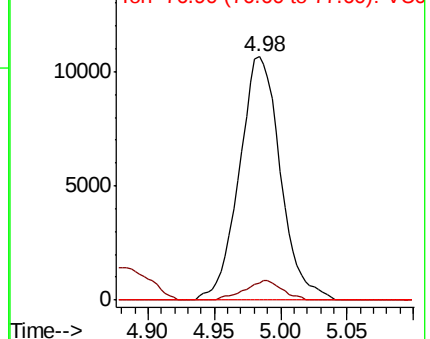
75 100

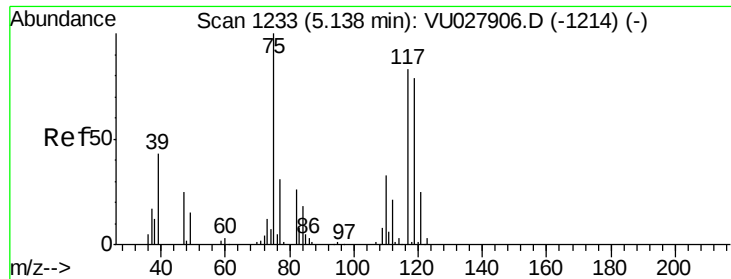
110 7.2 16.5 49.5#

77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0

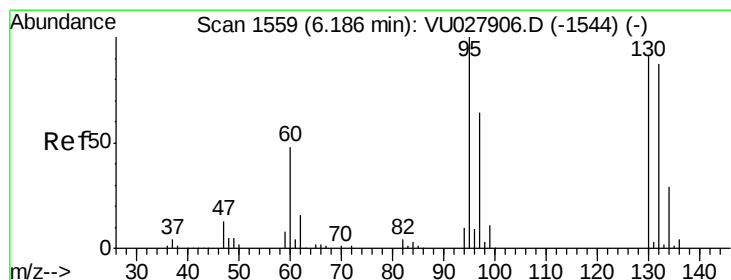
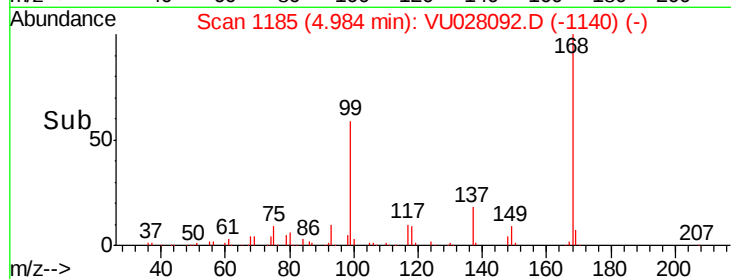
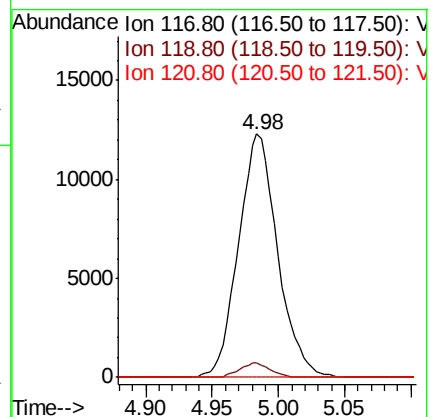
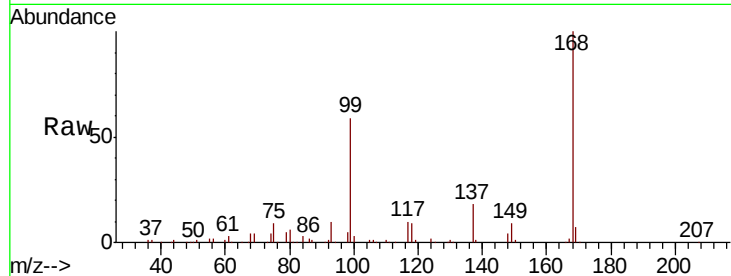




#38
Carbon Tetrachloride
Concen: 5.646 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU028092.D
Acq: 13 Nov 2018 15:18

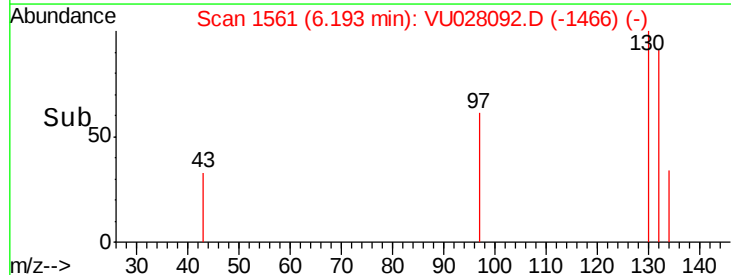
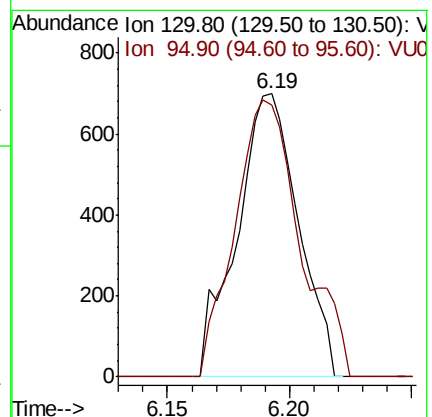
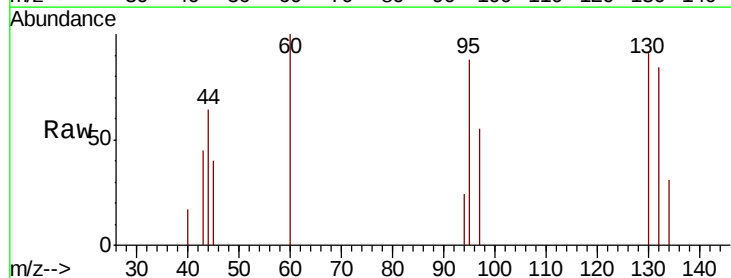
Instrument :
MSVOA_U
ClientSampled :

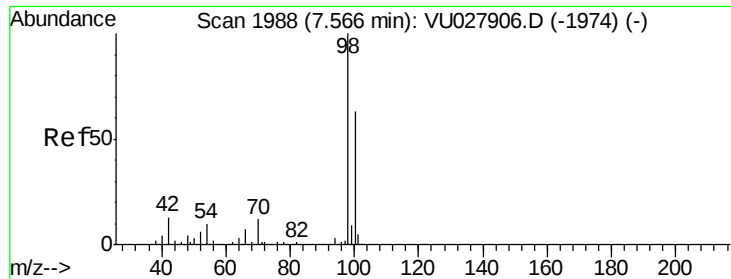
Tot Ion:117 Resp: 25197
Ion Ratio Lower Upper
117 100
119 5.9 76.0 114.0#
121 0.0 24.5 36.7#



#44
Trichloroethene
Concen: 0.368 ug/l
RT: 6.19 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VU028092.D
Acq: 13 Nov 2018 15:18

Tgt Ion:130 Resp: 1219
Ion Ratio Lower Upper
130 100
95 96.0 0.0 219.2

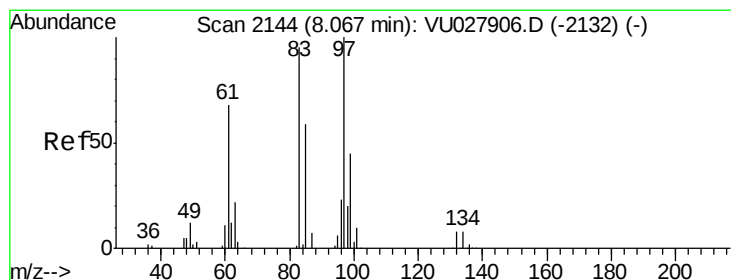
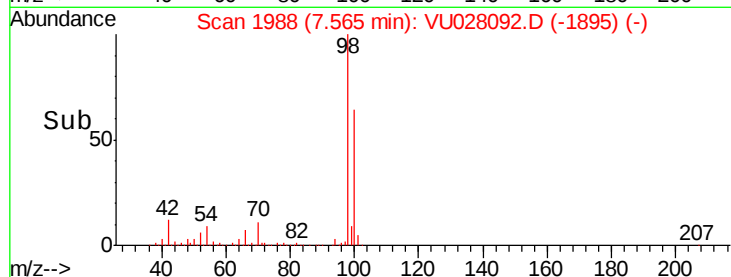
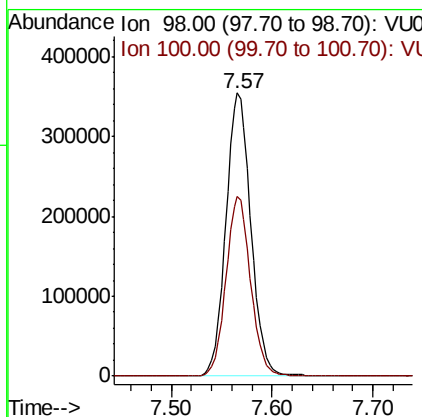
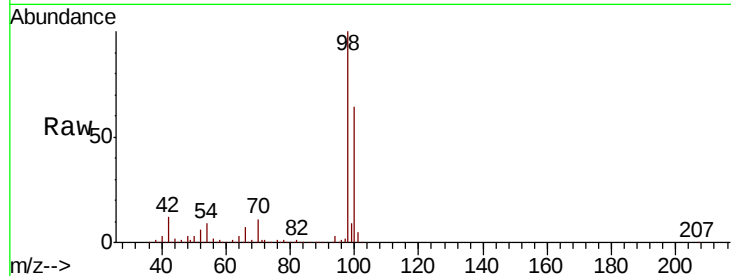




#50
Toluene-d8
Concen: 52.322 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028092.D
Acq: 13 Nov 2018 15:18

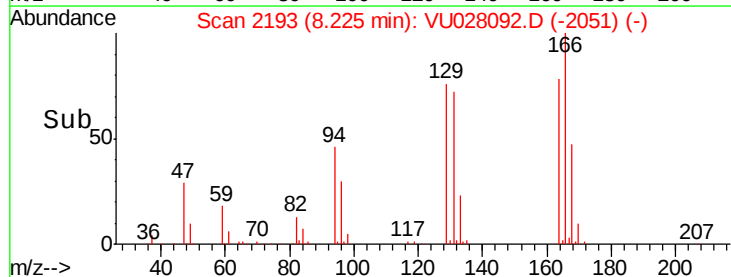
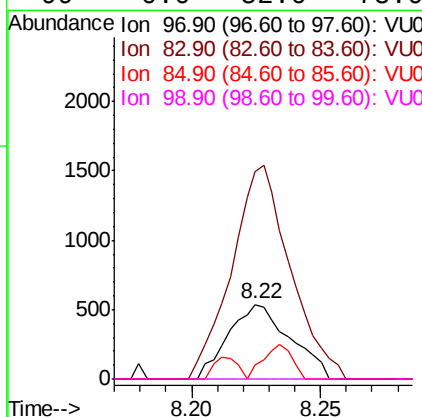
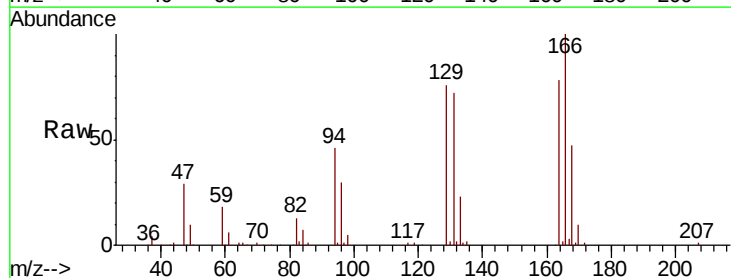
Instrument :
MSVOA_U
ClientSampleId :

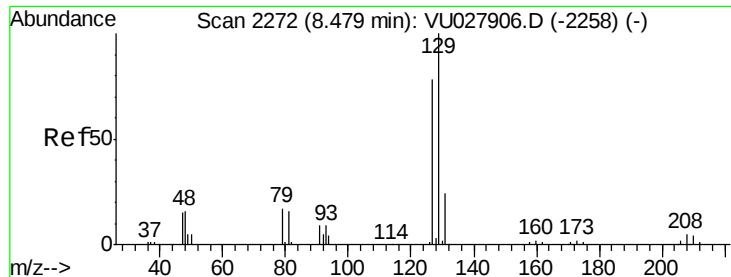
Tot Ion: 98 Resp: 612733
Ion Ratio Lower Upper
98 100
100 62.7 50.1 75.1



#55
1,1,2-Trichloroethane
Concen: 0.244 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.16 min
Lab File: VU028092.D
Acq: 13 Nov 2018 15:18

Tgt Ion: 97 Resp: 897
Ion Ratio Lower Upper
97 100
83 278.4 76.1 114.1#
85 19.8 48.9 73.3#
99 0.0 52.0 78.0#

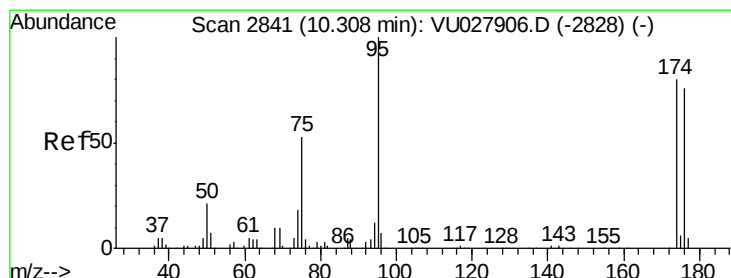
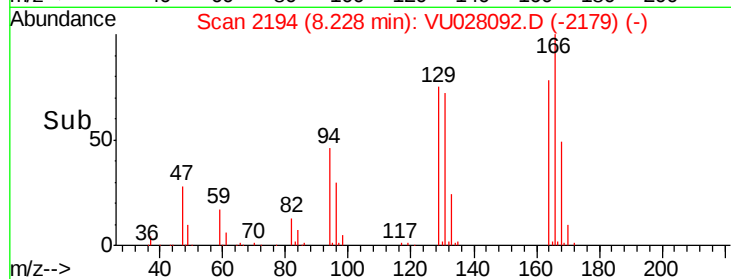
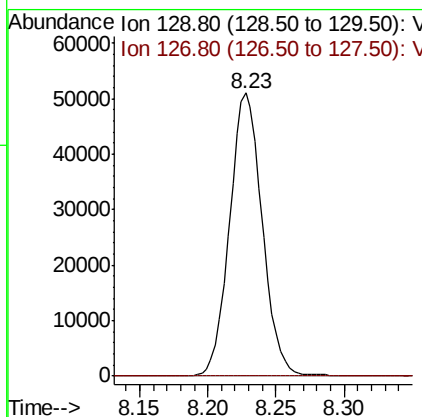
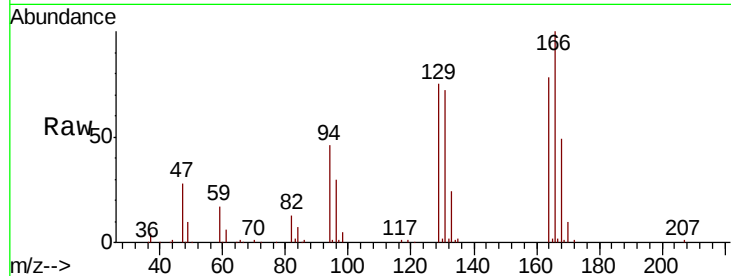




#60
 Dibromochloromethane
 Concen: 24.299 ug/l
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.25 min
 Lab File: VU028092.D
 Acq: 13 Nov 2018 15:18

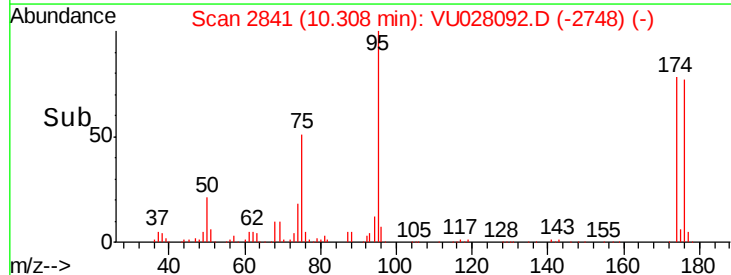
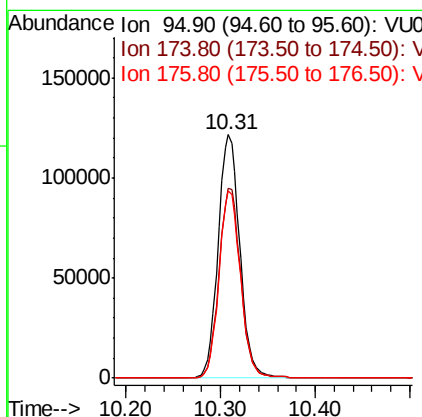
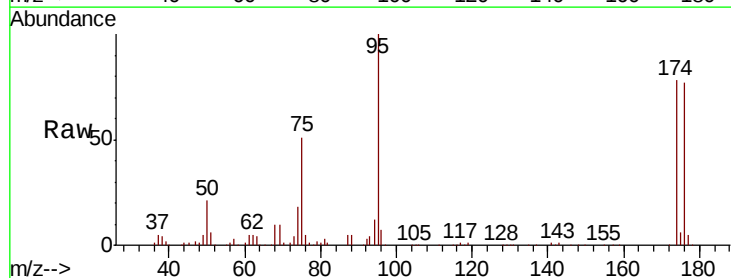
Instrument :
 MSVOA_U
 ClientSampled :

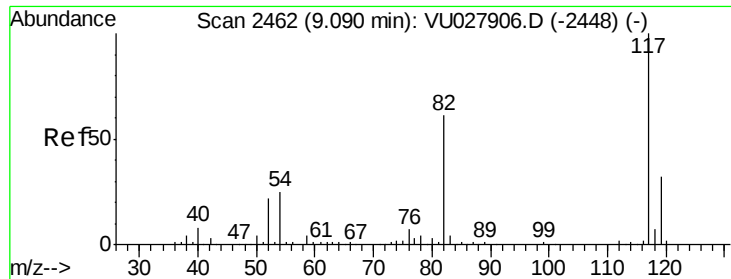
Tot Ion:129 Resp: 84674
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.2 117.6#



#62
 4-Bromofluorobenzene
 Concen: 44.907 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU028092.D
 Acq: 13 Nov 2018 15:18

Tgt Ion: 95 Resp: 193972
 Ion Ratio Lower Upper
 95 100
 174 78.1 0.0 156.4
 176 76.2 0.0 150.8

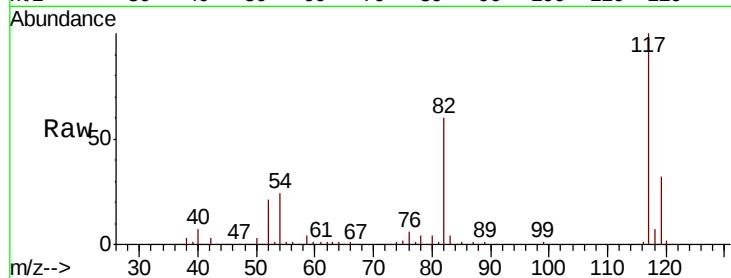




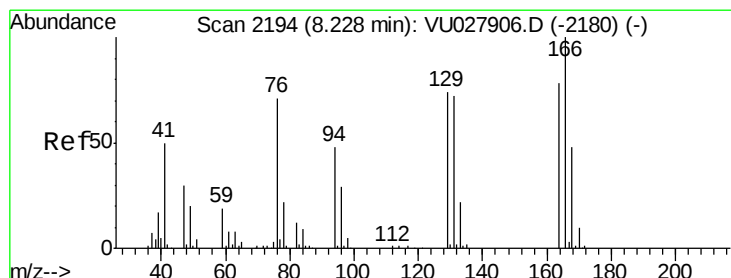
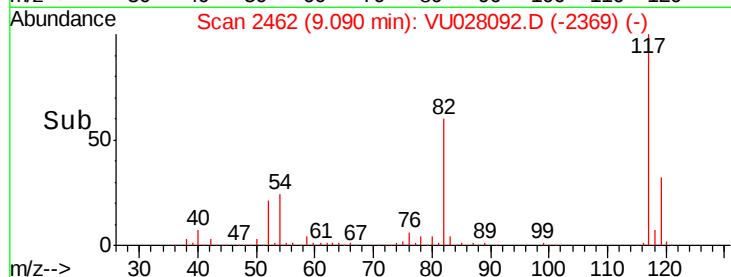
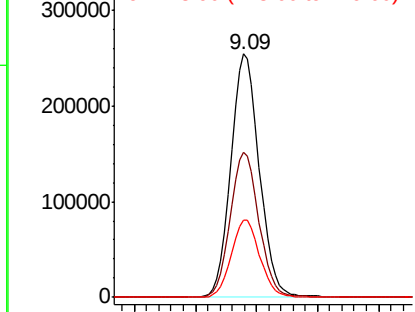
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028092.D
Acq: 13 Nov 2018 15:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 414184
Ion Ratio Lower Upper
117 100
82 59.8 48.6 73.0
119 31.6 25.8 38.8

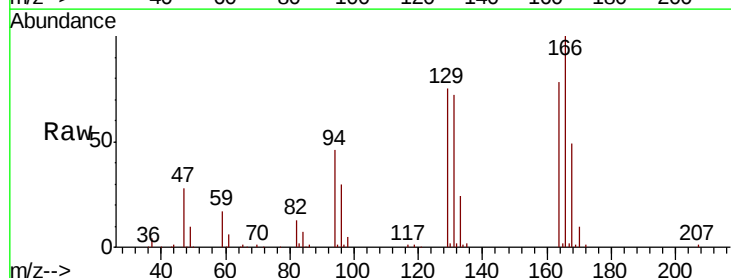


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

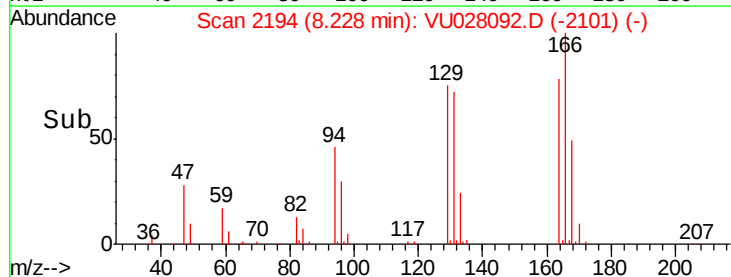
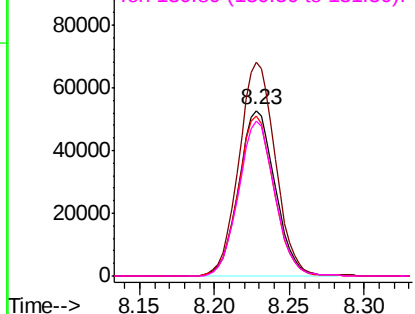


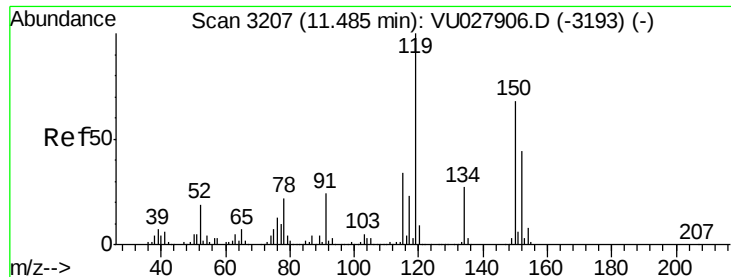
#64
Tetrachloroethene
Concen: 33.374 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028092.D
Acq: 13 Nov 2018 15:18

Tgt Ion:164 Resp: 89633
Ion Ratio Lower Upper
164 100
166 129.0 102.1 153.1
129 96.6 75.9 113.9
131 93.4 73.0 109.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU028092.D

Acq: 13 Nov 2018 15:18

Instrument :

MSVOA_U

ClientSampleId :

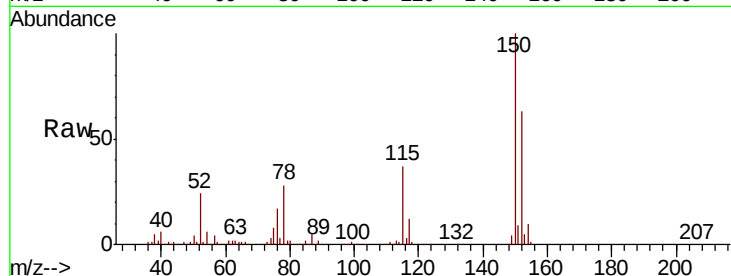
Tot Ion:152 Resp: 163838

Ion Ratio Lower Upper

152 100

115 57.1 43.0 129.0

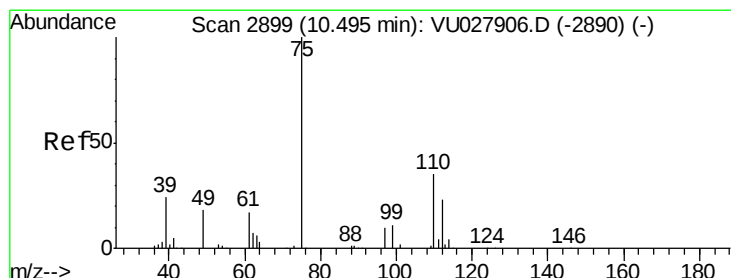
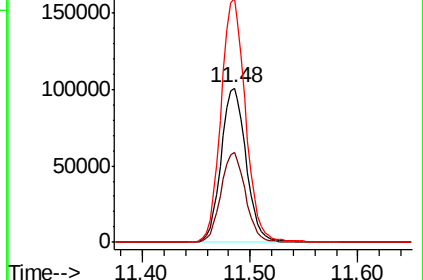
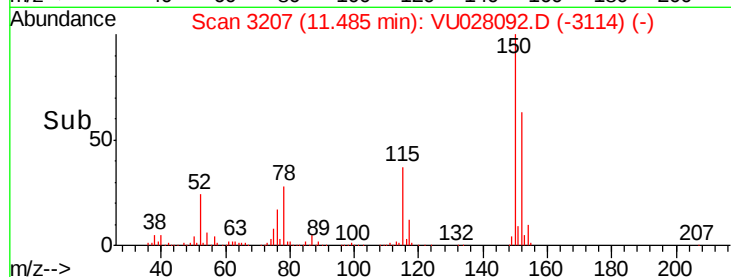
150 153.8 0.0 349.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.122 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU028092.D

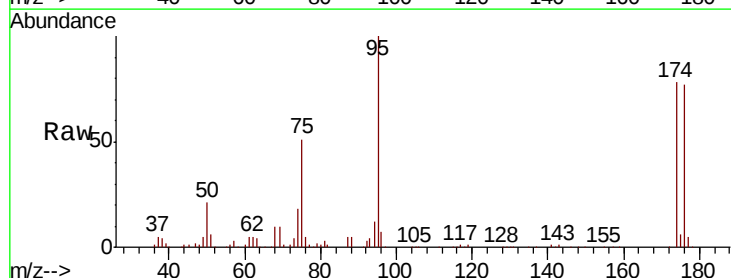
Acq: 13 Nov 2018 15:18

Tgt Ion: 75 Resp: 99138

Ion Ratio Lower Upper

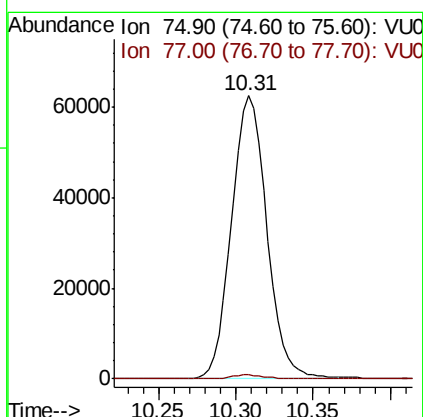
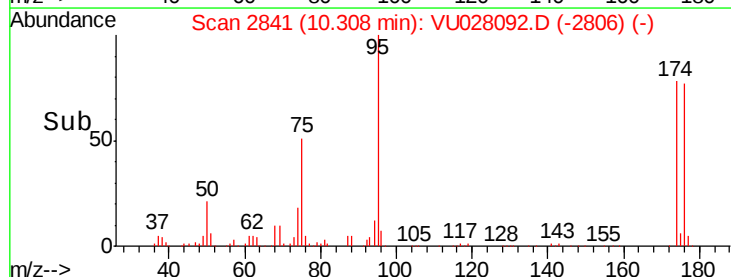
75 100

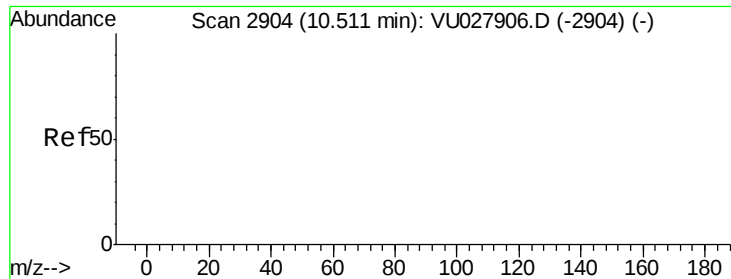
77 1.3 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.206 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU028092.D
 Acq: 13 Nov 2018 15:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 99138
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

