

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121718\
 Data File : VU028710.D
 Acq On : 17 Dec 2018 10:50
 Operator : MD/SY
 Sample : VU1217WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 03:05:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	79400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	141304	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	124160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	47741	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	61950	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
35) Dibromofluoromethane	4.88	113	48619	54.68	ug/l	0.00
Spiked Amount			Recovery	=	109.36%	
50) Toluene-d8	7.57	98	177365	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
62) 4-Bromofluorobenzene	10.31	95	57208	43.51	ug/l	0.00
Spiked Amount			Recovery	=	87.02%	

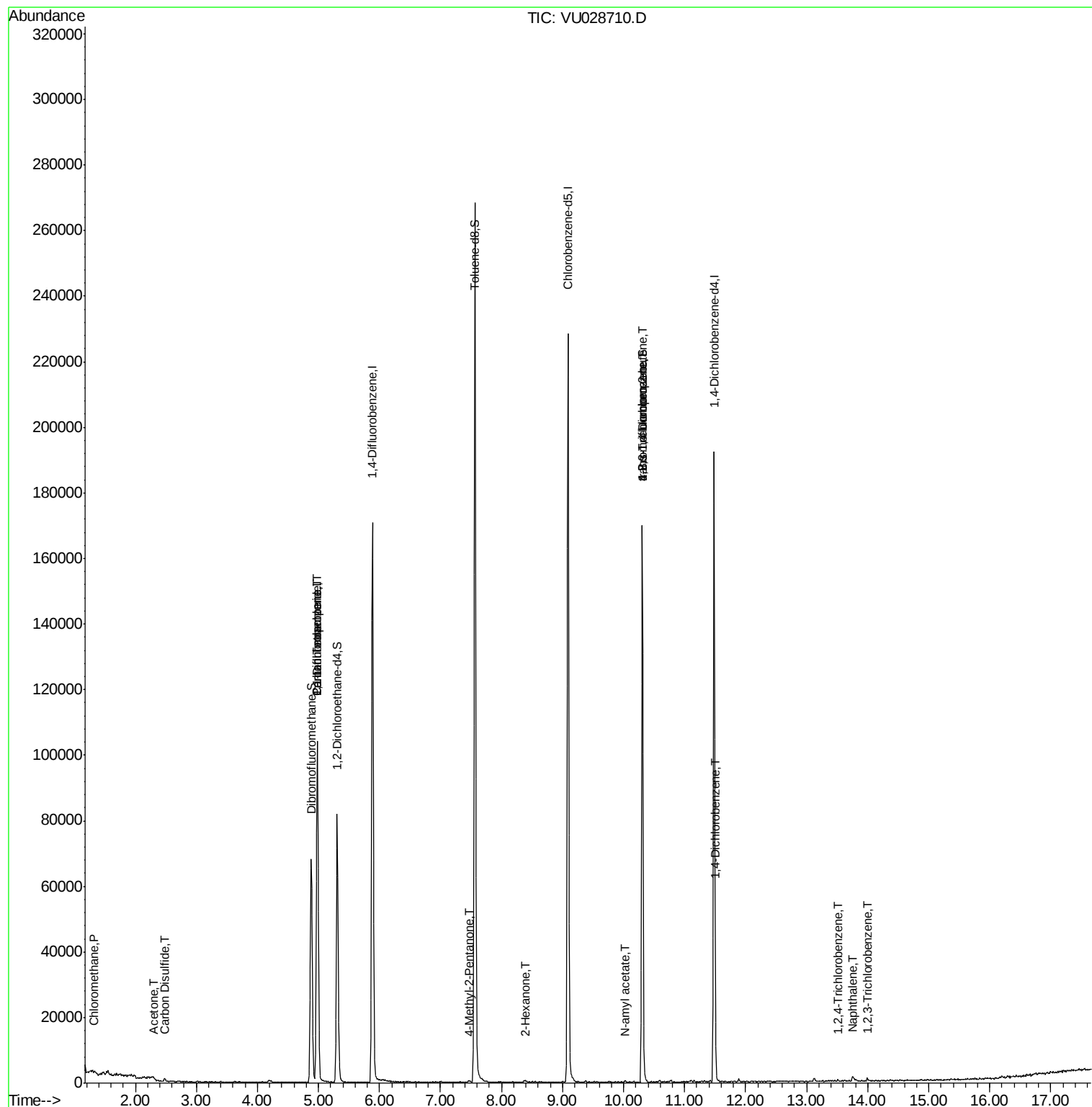
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	827	0.423	ug/l	93
16) Acetone	2.31	43	202	0.255	ug/l #	44
17) Carbon Disulfide	2.48	76	916	0.288	ug/l #	70
31) Cyclohexane	4.98	56	1850	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	6710	4.339	ug/l #	47
38) Carbon Tetrachloride	4.98	117	7722	6.196	ug/l #	14
51) 4-Methyl-2-Pentanone	7.46	43	609	0.305	ug/l #	37
59) 2-Hexanone	8.38	43	852	0.539	ug/l #	47
74) N-amyl acetate	10.03	43	540	0.256	ug/l #	46
76) 1,2,3-Trichloropropane	10.31	75	29540	24.231	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	29540	59.477	ug/l #	100
88) 1,4-Dichlorobenzene	11.51	146	355	0.212	ug/l #	44
93) 1,2,4-Trichlorobenzene	13.51	180	351	1.154	ug/l #	61
95) Naphthalene	13.75	128	2586	0.666	ug/l #	84
96) 1,2,3-Trichlorobenzene	13.99	180	656	0.738	ug/l #	92

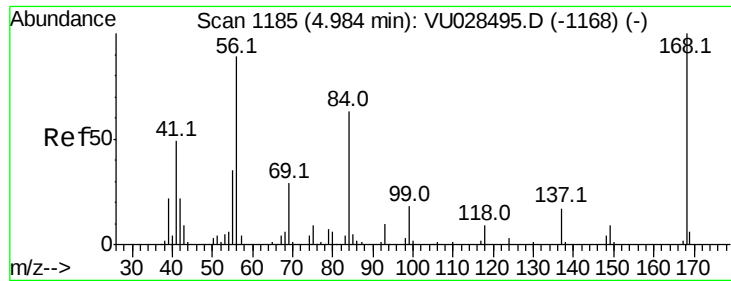
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028710.D

Acq: 17 Dec 2018 10:50

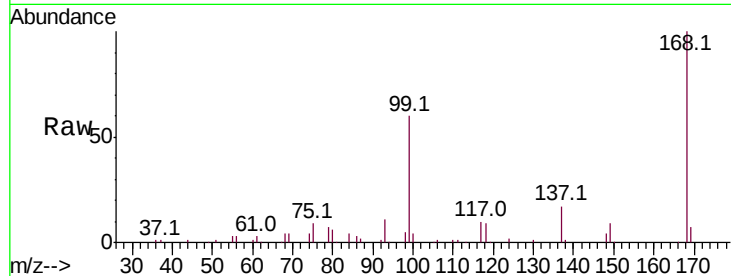
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 79400

Ion Ratio Lower Upper

168 100

99 59.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

40000

30000

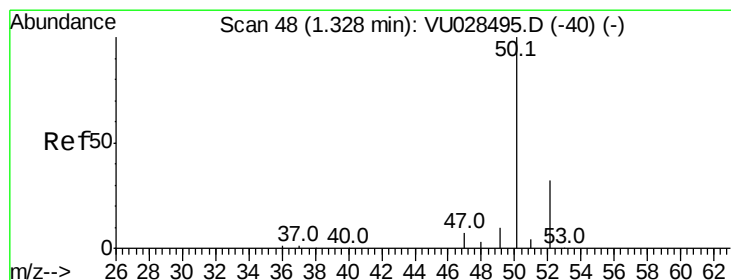
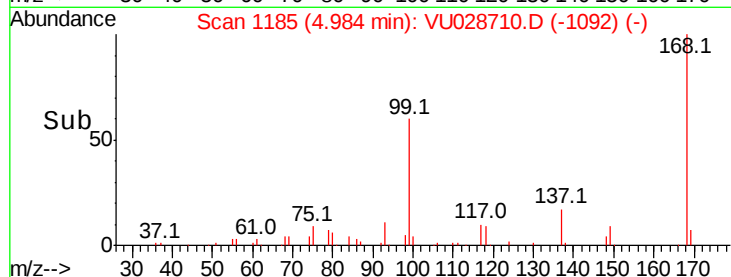
20000

10000

0

Time-->

4.90 4.95 5.00 5.05 5.10



#3

Chloromethane

Concen: 0.423 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028710.D

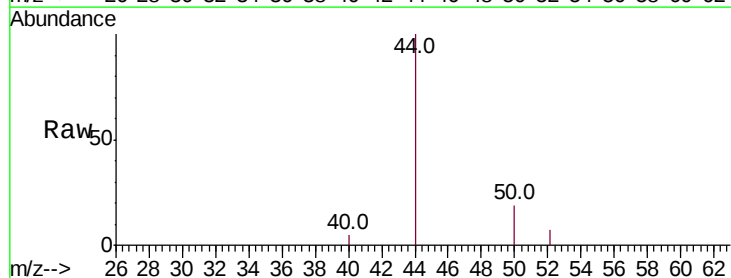
Acq: 17 Dec 2018 10:50

Tgt Ion: 50 Resp: 827

Ion Ratio Lower Upper

50 100

52 35.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)

1.33

600

500

400

300

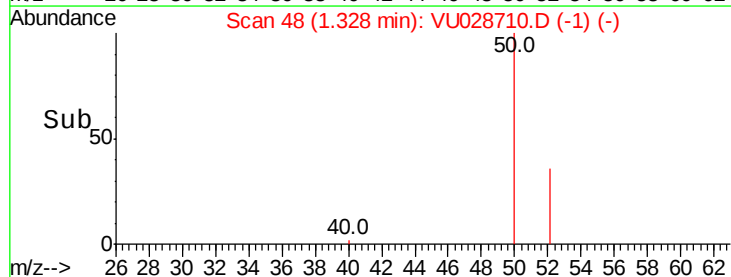
200

100

0

Time-->

1.30 1.35





#16

Acetone

Concen: 0.255 ug/l

RT: 2.31 min Scan# 355

Delta R.T. -0.01 min

Lab File: VU028710.D

Acq: 17 Dec 2018 10:50

Instrument :

MSVOA_U

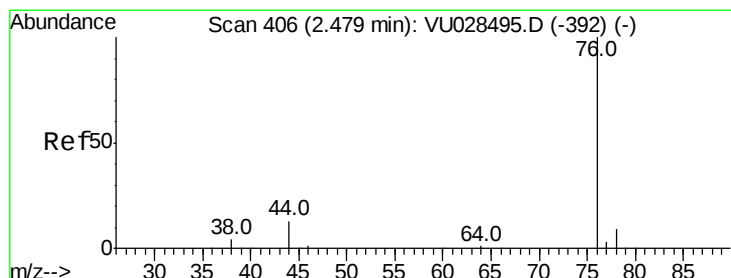
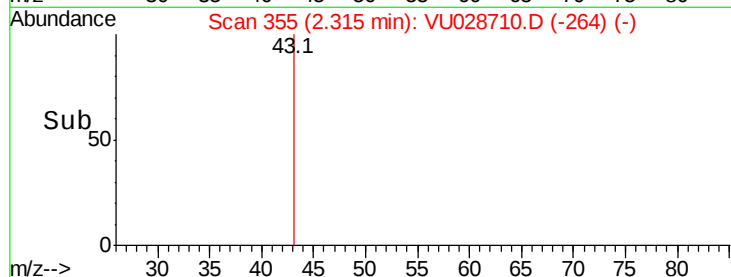
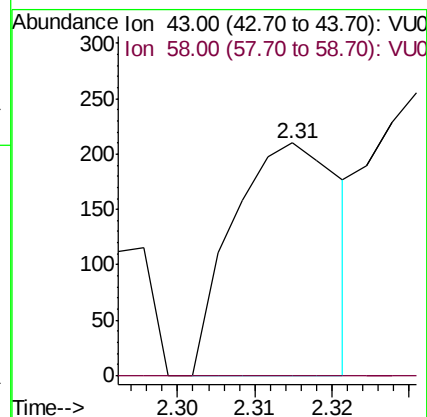
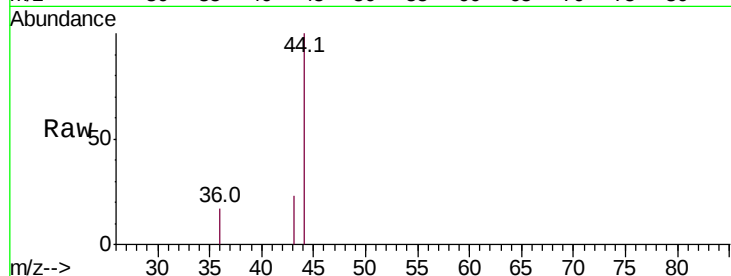
ClientSampled :

Tot Ion: 43 Resp: 202

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



#17

Carbon Disulfide

Concen: 0.288 ug/l

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU028710.D

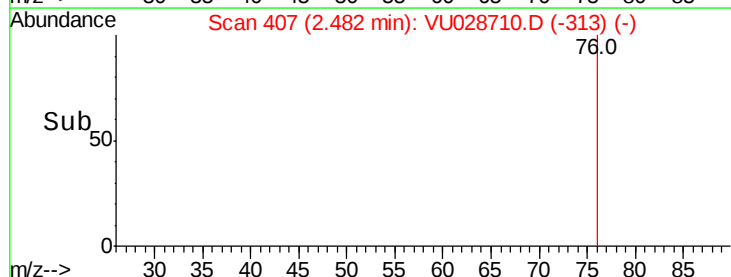
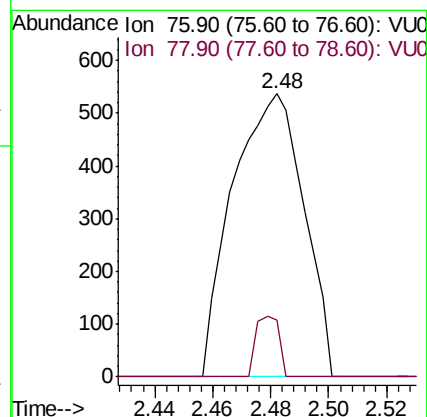
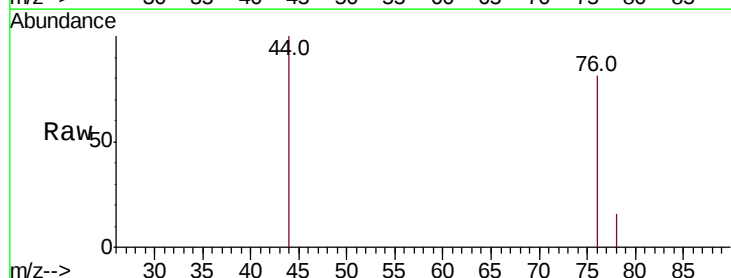
Acq: 17 Dec 2018 10:50

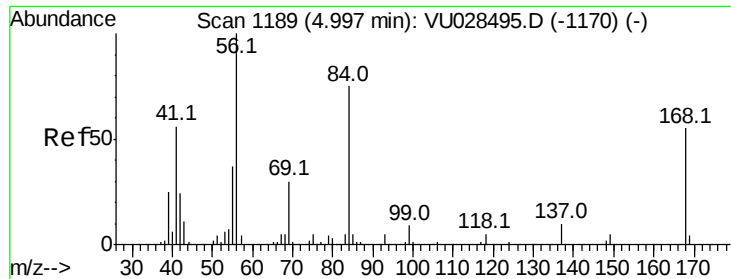
Tgt Ion: 76 Resp: 916

Ion Ratio Lower Upper

76 100

78 19.9 7.2 10.8#

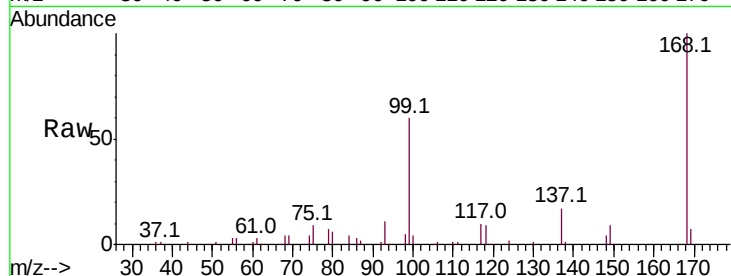




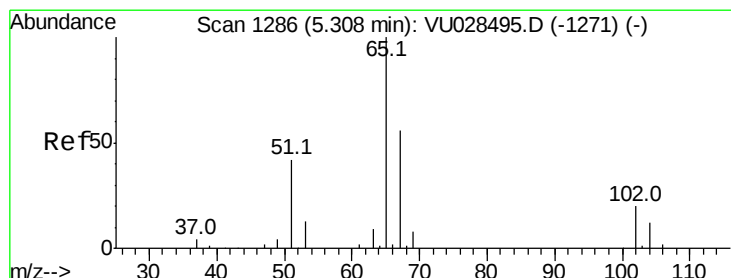
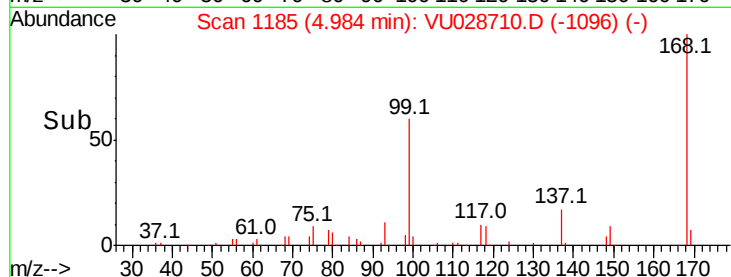
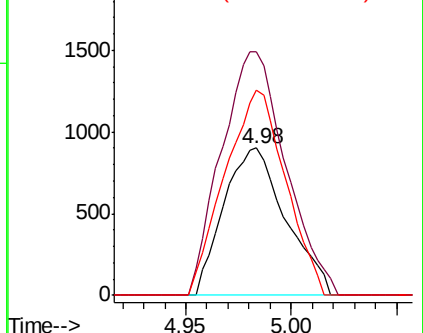
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028710.D
Acq: 17 Dec 2018 10:50

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	56	69	84
Resp:	1850		
Ion Ratio	100	165.3	140.0
Lower		24.0	59.7
Upper		36.0#	89.5#

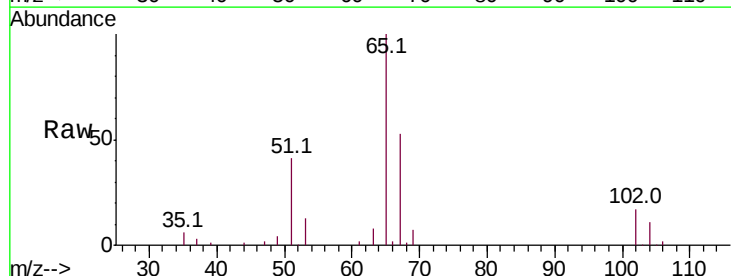


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

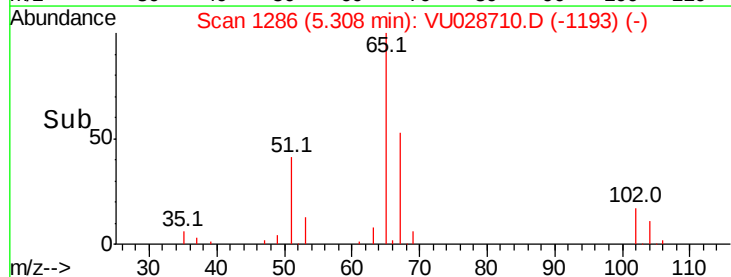
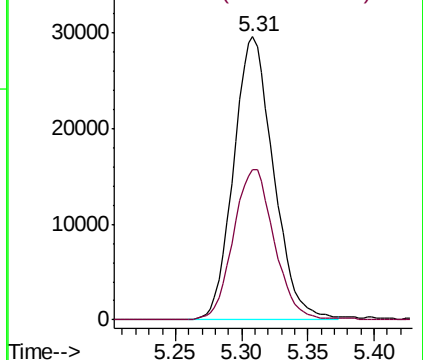


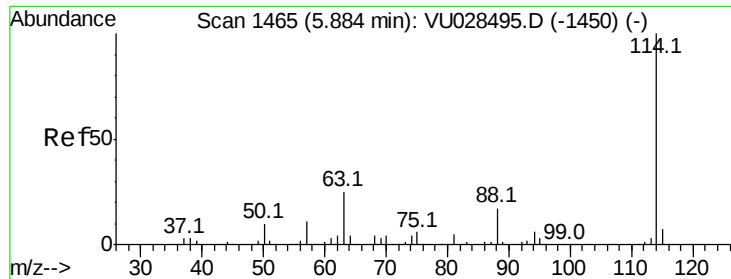
#33
1,2-Dichloroethane-d4
Concen: 51.127 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028710.D
Acq: 17 Dec 2018 10:50

Tgt Ion	65	67
Resp:	61950	
Ion Ratio	100	54.7
Lower		0.0
Upper		110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028710.D

Acq: 17 Dec 2018 10:50

Instrument :

MSVOA_U

ClientSampleId :

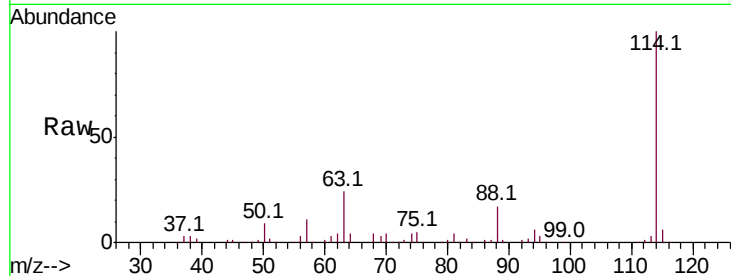
Tot Ion:114 Resp: 141304

Ion Ratio Lower Upper

114 100

63 23.6 0.0 49.2

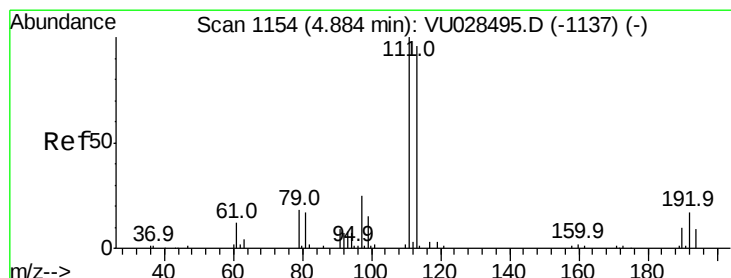
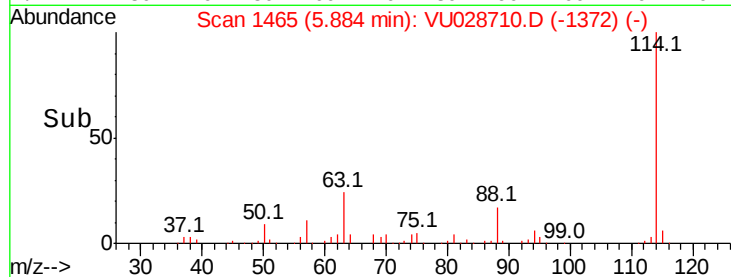
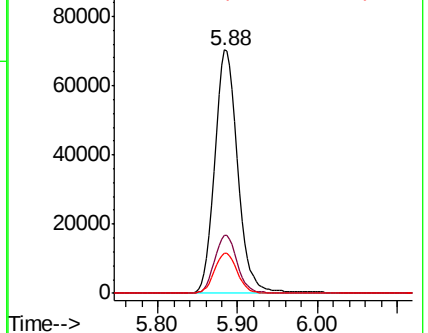
88 16.5 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 54.675 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028710.D

Acq: 17 Dec 2018 10:50

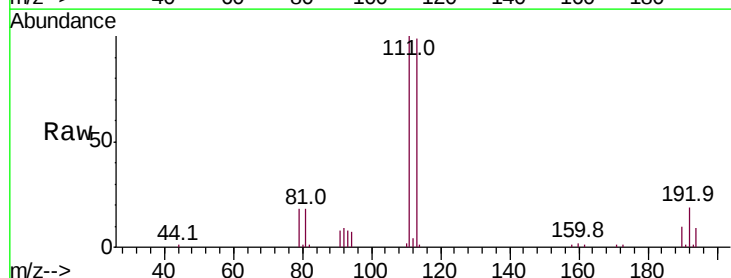
Tgt Ion:113 Resp: 48619

Ion Ratio Lower Upper

113 100

111 101.8 83.4 125.0

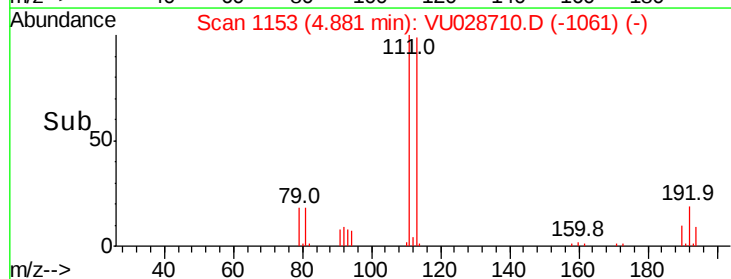
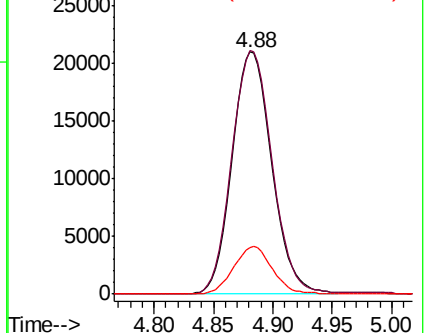
192 18.9 14.8 22.2

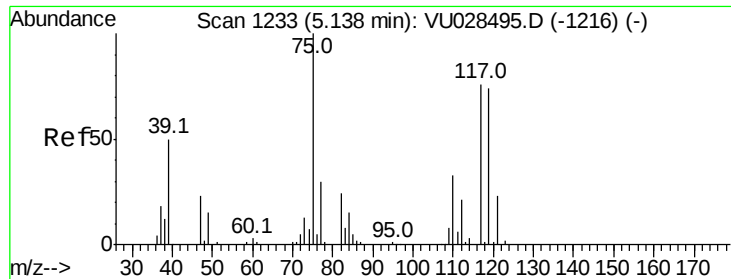


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

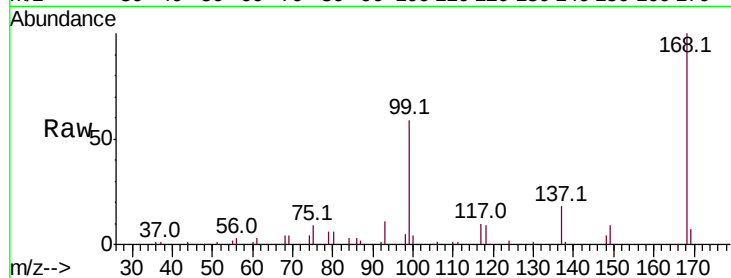




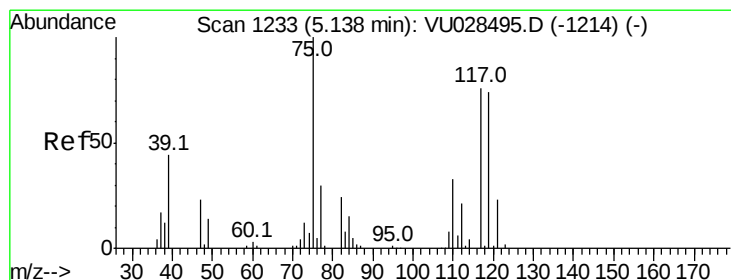
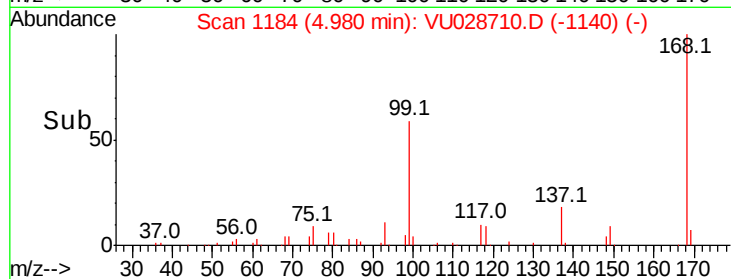
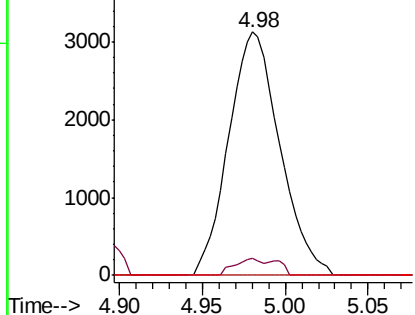
#36
 1,1-Dichloropropene
 Concen: 4.339 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028710.D
 Acq: 17 Dec 2018 10:50

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	3.8	16.1	48.2#
77	0.0	24.5	36.7#

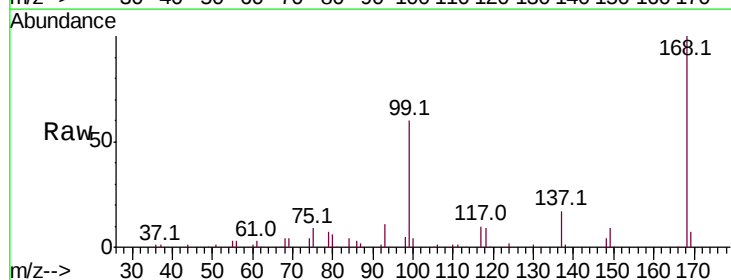


Abundance Ion 74.90 (74.60 to 75.60): VU028710.D (-1140) (-)
 Ion 109.90 (109.60 to 110.60): VU028710.D (-1140) (-)
 Ion 76.90 (76.60 to 77.60): VU028710.D (-1140) (-)

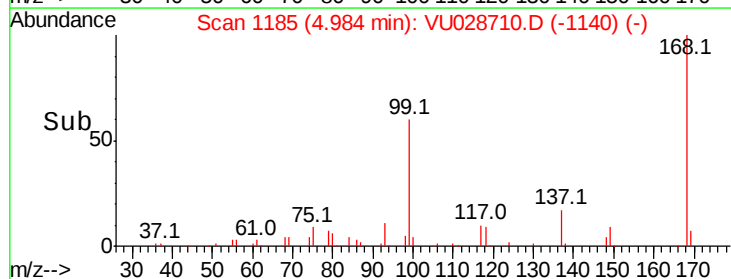
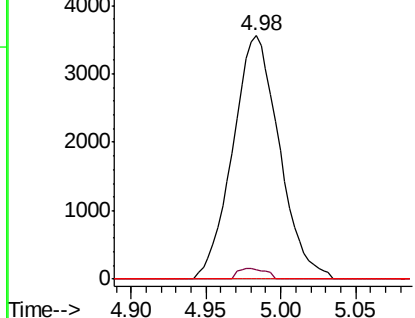


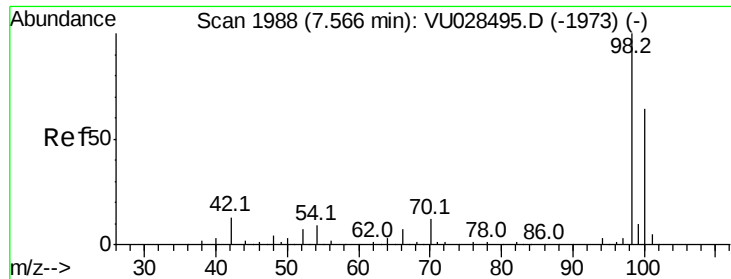
#38
 Carbon Tetrachloride
 Concen: 6.196 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028710.D
 Acq: 17 Dec 2018 10:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.6	77.6	116.4#
121	0.0	24.6	36.8#



Abundance Ion 116.80 (116.50 to 117.50): VU028710.D (-1140) (-)
 Ion 118.80 (118.50 to 119.50): VU028710.D (-1140) (-)
 Ion 120.80 (120.50 to 121.50): VU028710.D (-1140) (-)





#50

Toluene-d8

Concen: 50.421 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028710.D

Acq: 17 Dec 2018 10:50

Instrument :

MSVOA_U

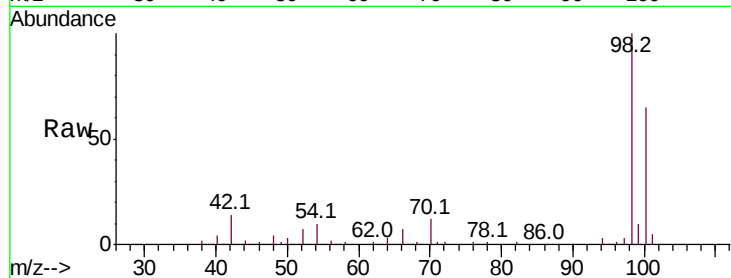
ClientSampleId :

Tot Ion: 98 Resp: 177365

Ion Ratio Lower Upper

98 100

100 64.8 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028495.D (-1973) (-)

7.57

100000

80000

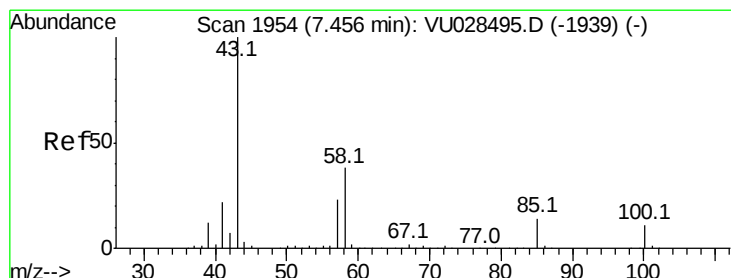
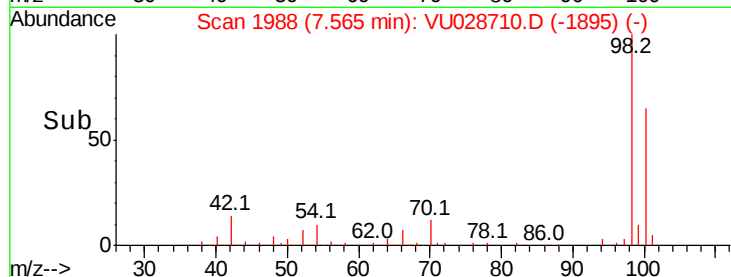
60000

40000

20000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.305 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.01 min

Lab File: VU028710.D

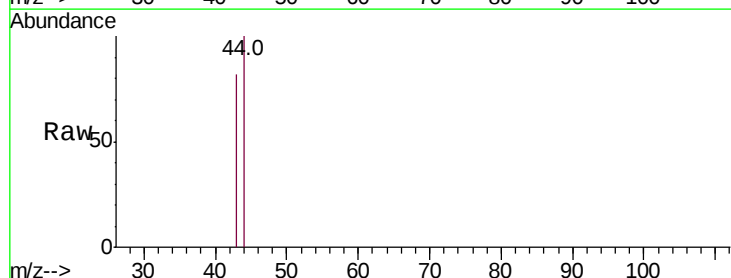
Acq: 17 Dec 2018 10:50

Tgt Ion: 43 Resp: 609

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

7.46

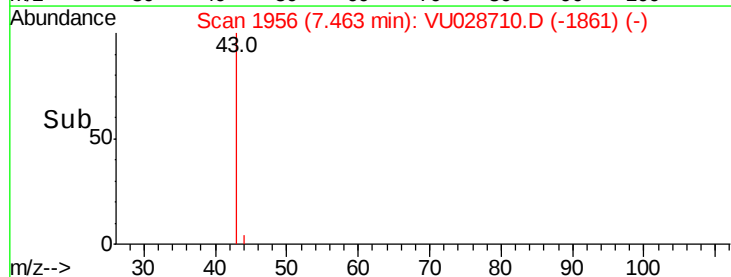
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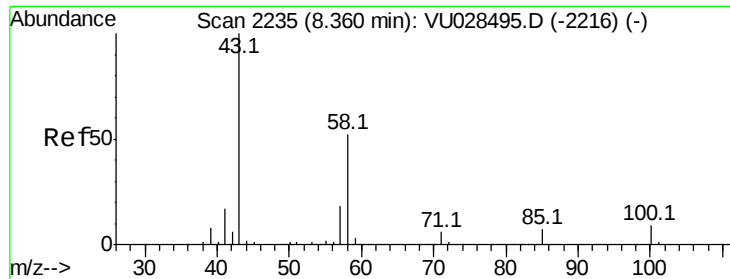
200

100

0

Time-->

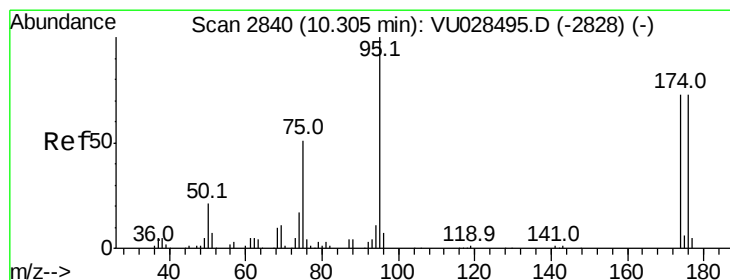
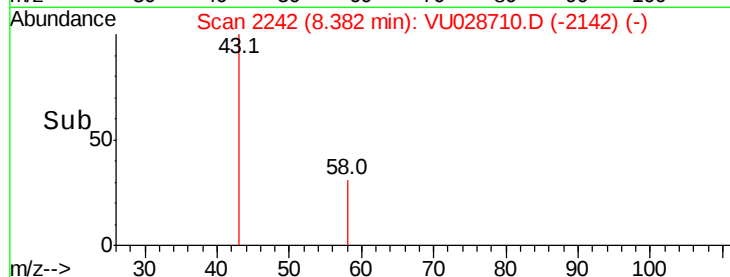
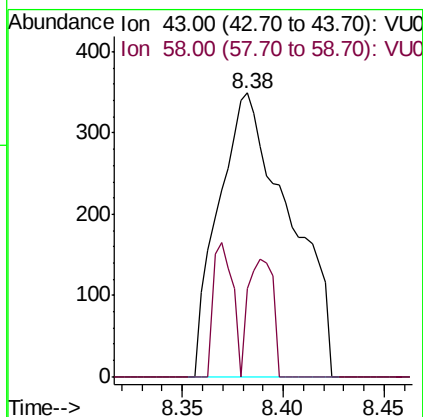
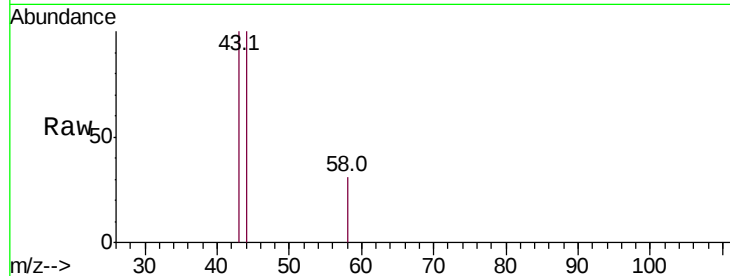




#59
2-Hexanone
Concen: 0.539 ug/l
RT: 8.38 min Scan# 2242
Delta R.T. 0.02 min
Lab File: VU028710.D
Acq: 17 Dec 2018 10:50

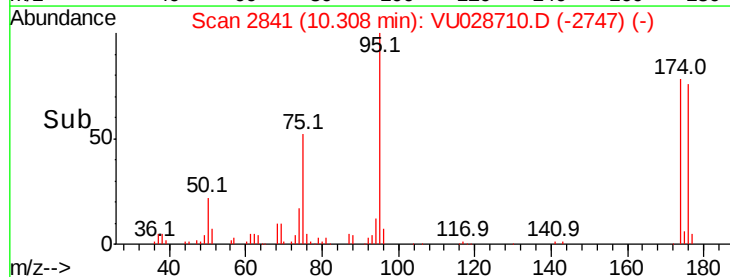
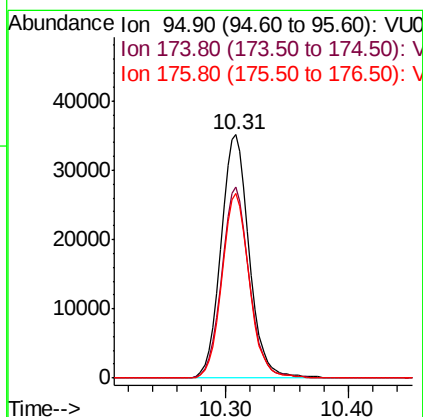
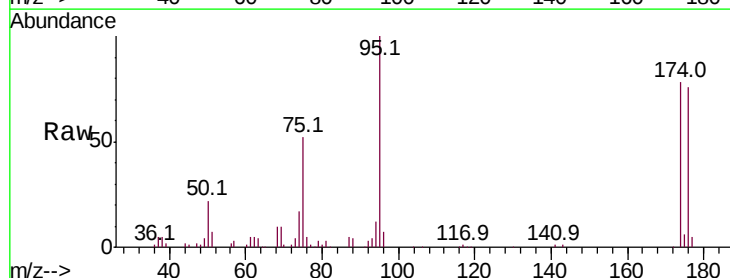
Instrument :
MSVOA_U
ClientSampleId :

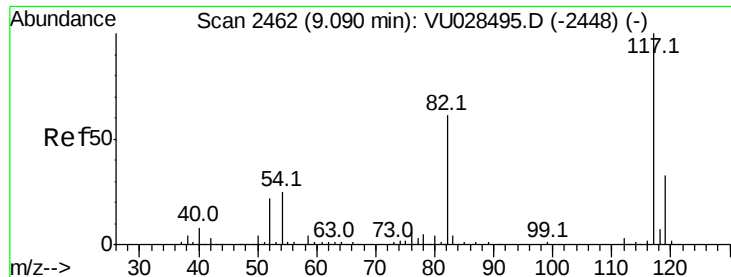
Tot Ion: 43 Resp: 852
Ion Ratio Lower Upper
43 100
58 14.7 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 43.512 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028710.D
Acq: 17 Dec 2018 10:50

Tgt Ion: 95 Resp: 57208
Ion Ratio Lower Upper
95 100
174 76.7 0.0 150.4
176 73.6 0.0 145.2

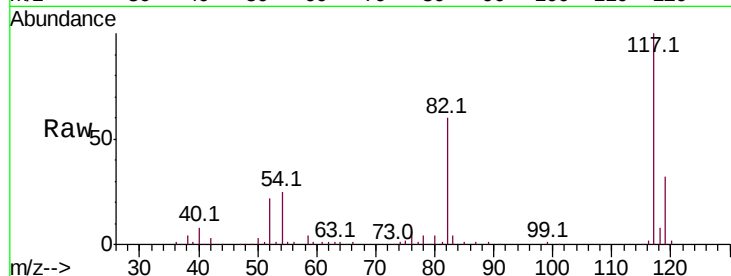




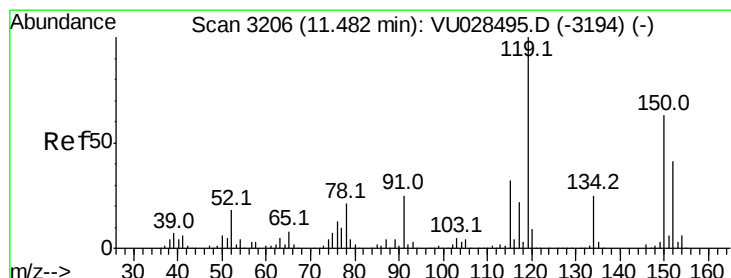
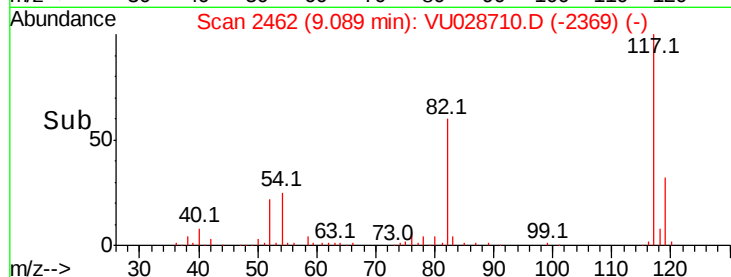
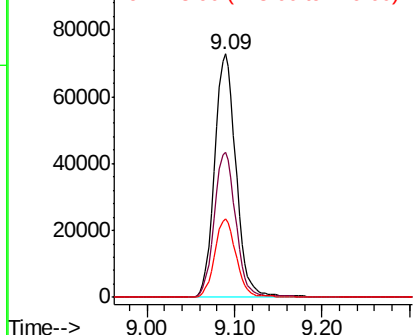
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028710.D
Acq: 17 Dec 2018 10:50

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 124160
Ion Ratio Lower Upper
117 100
82 59.6 48.9 73.3
119 32.1 26.2 39.4

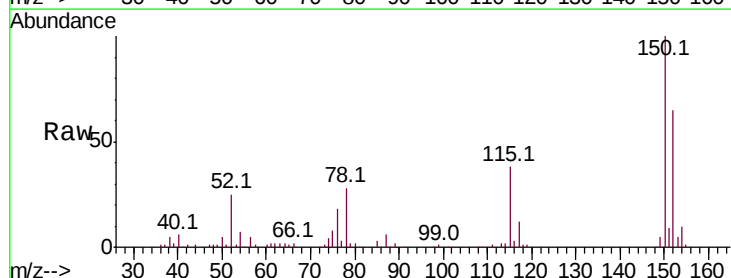


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

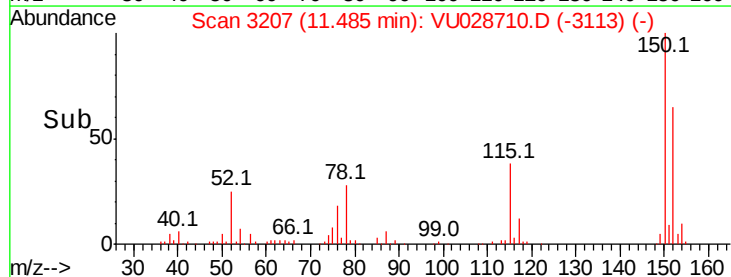
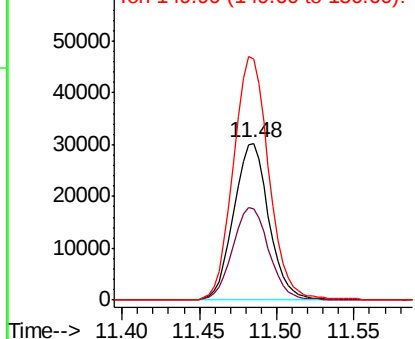


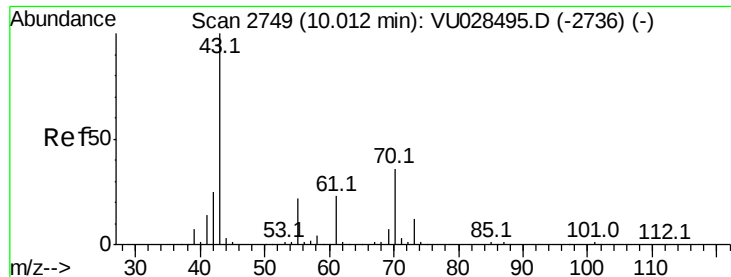
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU028710.D
Acq: 17 Dec 2018 10:50

Tgt Ion:152 Resp: 47741
Ion Ratio Lower Upper
152 100
115 61.2 42.7 128.1
150 157.4 0.0 346.0



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





#74

N-amvl acetate

Concen: 0.256 ug/l

RT: 10.03 min Scan# 2753

Delta R.T. 0.01 min

Lab File: VU028710.D

Acq: 17 Dec 2018 10:50

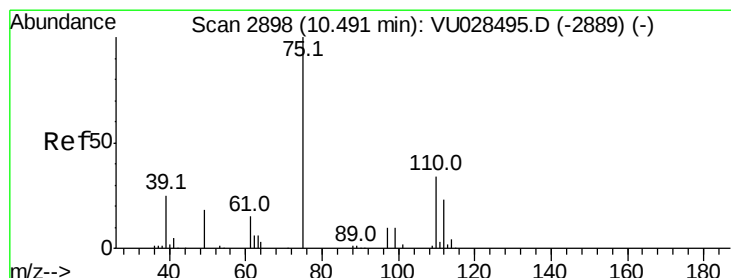
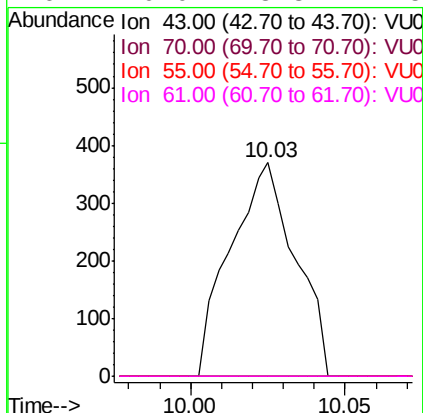
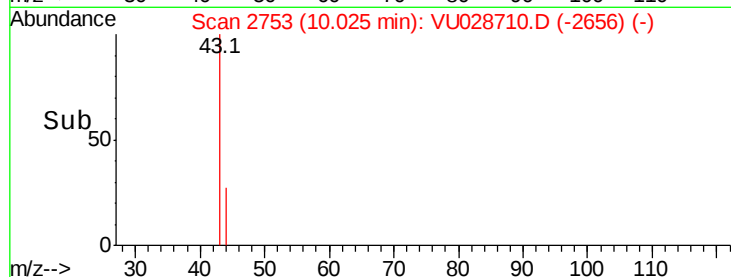
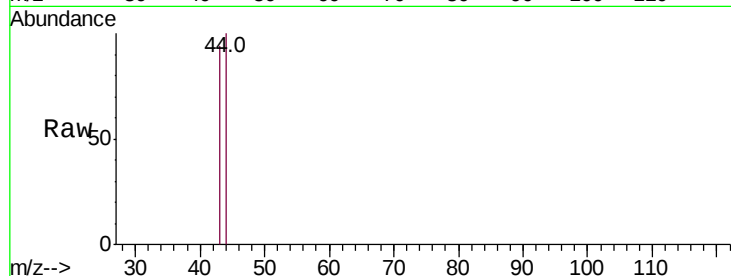
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 43 Resp: 540

Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.3	43.9#
55	0.0	18.0	27.0#
61	0.0	18.3	27.5#



#76

1,2,3-Trichloropropane

Concen: 24.231 ug/l

RT: 10.31 min Scan# 2841

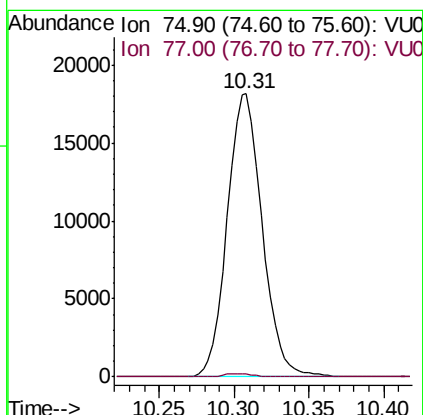
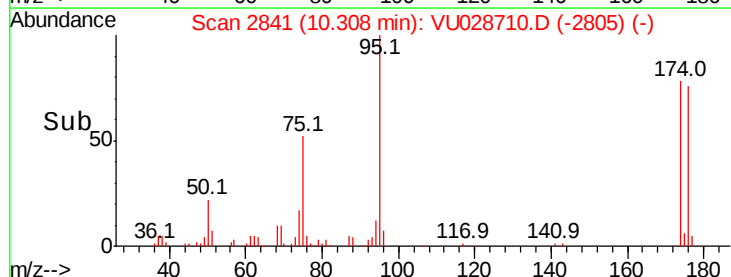
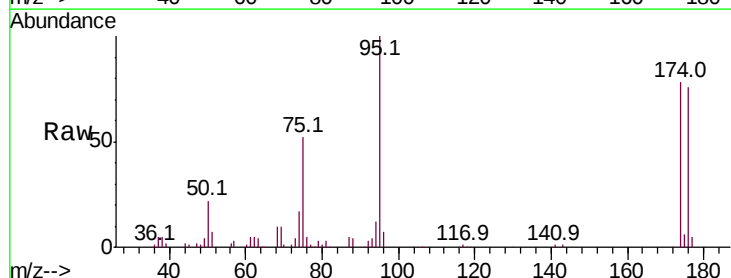
Delta R.T. -0.18 min

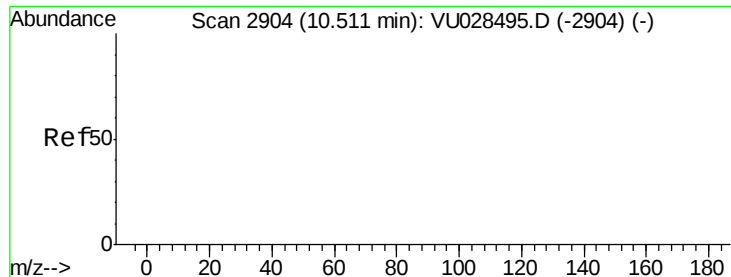
Lab File: VU028710.D

Acq: 17 Dec 2018 10:50

Tgt Ion: 75 Resp: 29540

Ion	Ratio	Lower	Upper
75	100		
77	0.9	20.8	62.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 59.477 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028710.D

Acq: 17 Dec 2018 10:50

Instrument :

MSVOA_U

ClientSampleId :

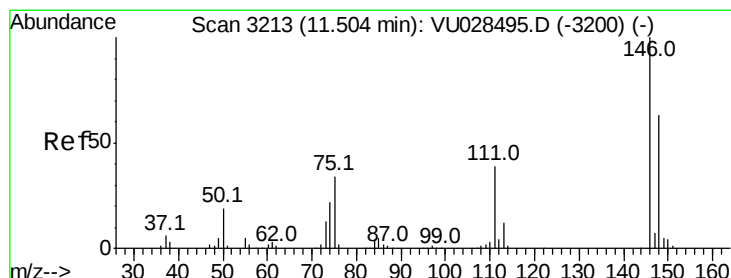
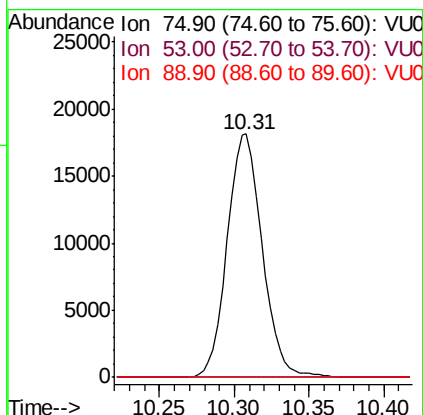
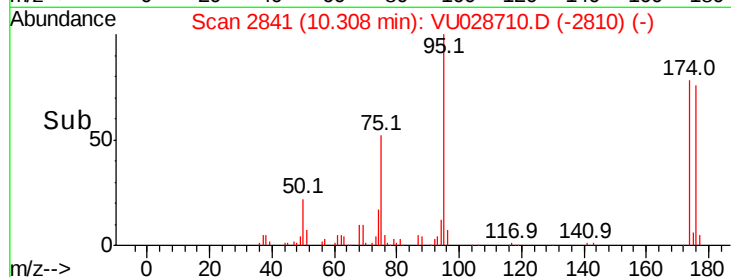
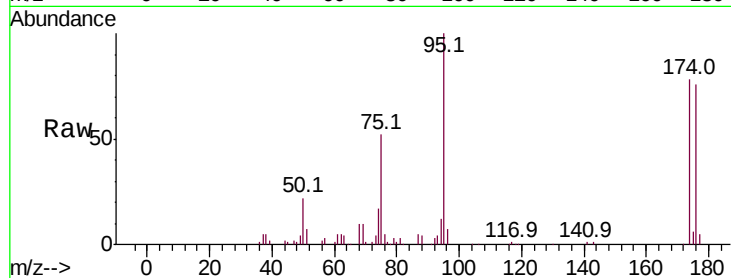
Tot Ion: 75 Resp: 29540

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#88

1,4-Dichlorobenzene

Concen: 0.212 ug/l

RT: 11.51 min Scan# 3215

Delta R.T. 0.01 min

Lab File: VU028710.D

Acq: 17 Dec 2018 10:50

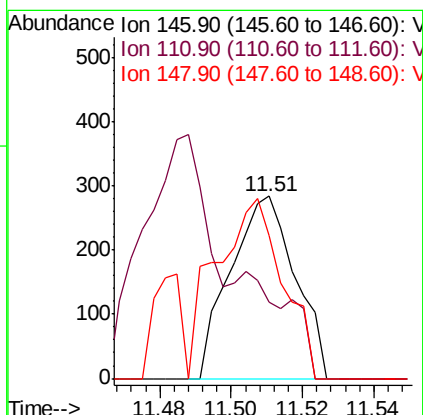
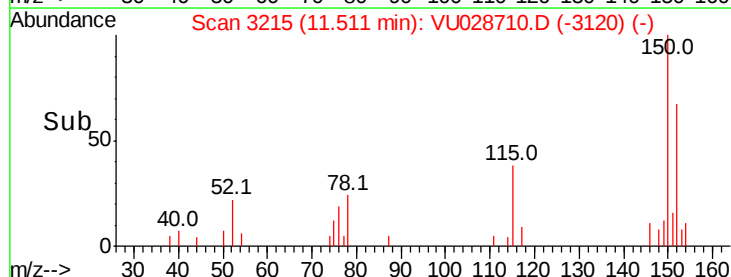
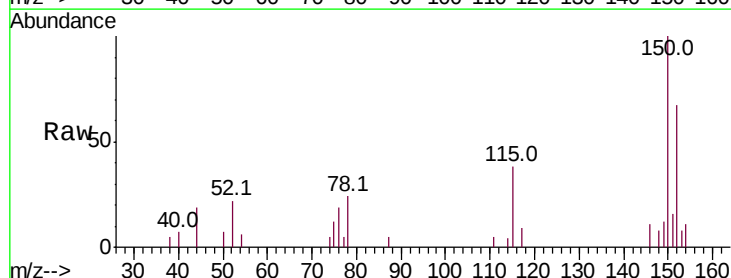
Tgt Ion: 146 Resp: 355

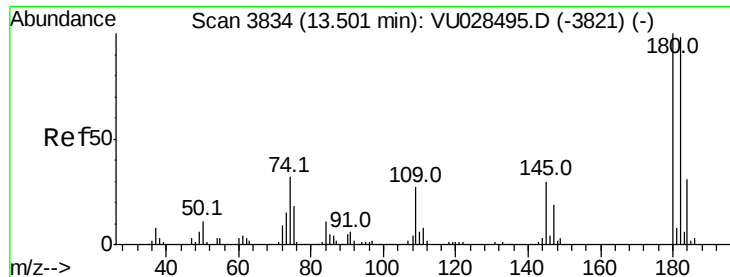
Ion Ratio Lower Upper

146 100

111 0.0 20.2 60.5#

148 102.0 31.6 95.0#





#93

1,2,4-Trichlorobenzene

Concen: 1.154 ug/l

RT: 13.51 min Scan# 3838

Delta R.T. 0.01 min

Lab File: VU028710.D

Acq: 17 Dec 2018 10:50

Instrument :

MSVOA_U

ClientSampleId :

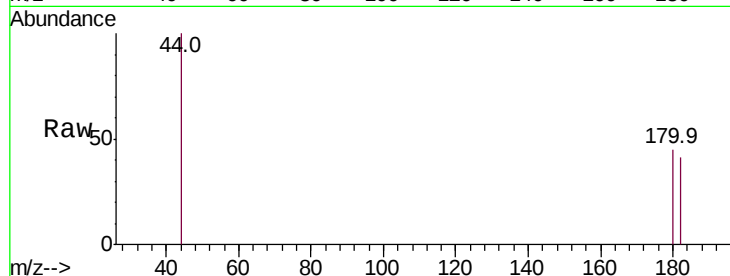
Tot Ion:180 Resp: 351

Ion Ratio Lower Upper

180 100

182 128.8 47.9 143.8

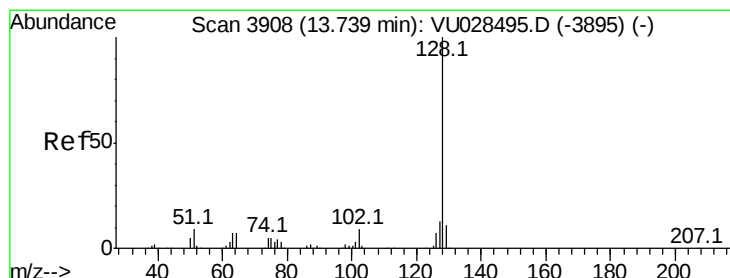
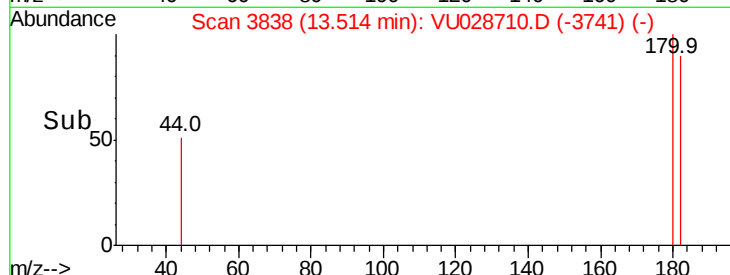
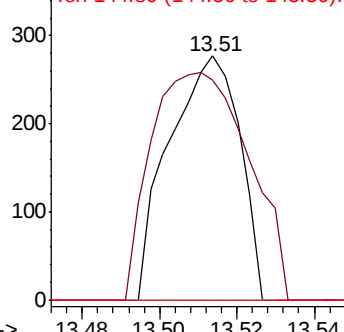
145 0.0 15.0 45.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 0.666 ug/l

RT: 13.75 min Scan# 3913

Delta R.T. 0.02 min

Lab File: VU028710.D

Acq: 17 Dec 2018 10:50

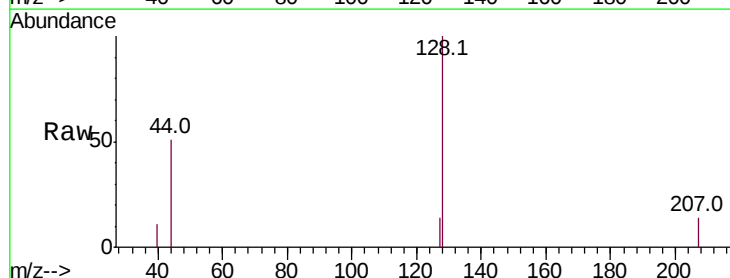
Tgt Ion:128 Resp: 2586

Ion Ratio Lower Upper

128 100

127 9.3 10.4 15.6#

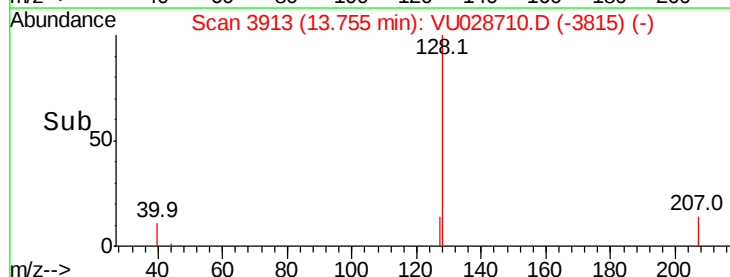
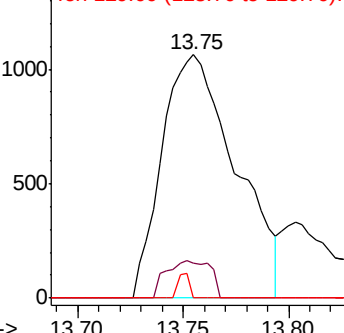
129 1.6 8.6 13.0#

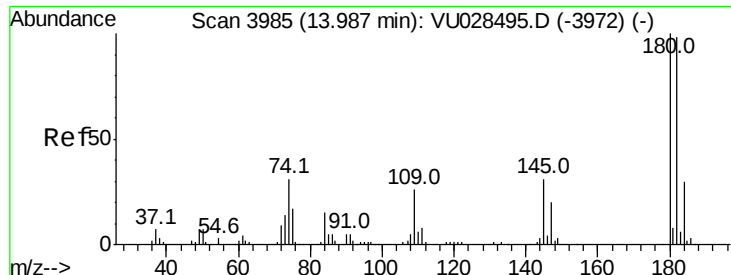


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 0.738 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028710.D

Acq: 17 Dec 2018 10:50

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:180 Resp: 656

Ion Ratio Lower Upper

180 100

182 95.9 48.2 144.6

145 13.6 15.8 47.3#

