

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121518\
 Data File : VU028704.D
 Acq On : 14 Dec 2018 23:41
 Operator : MD/SY
 Sample : J6395-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:24:50 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	75296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	134476	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	123985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	47799	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	63993	55.69	ug/l	0.00
Spiked Amount			Recovery	=	111.38%	
35) Dibromofluoromethane	4.88	113	47520	56.15	ug/l	0.00
Spiked Amount			Recovery	=	112.30%	
50) Toluene-d8	7.57	98	175117	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
62) 4-Bromofluorobenzene	10.30	95	56325	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	

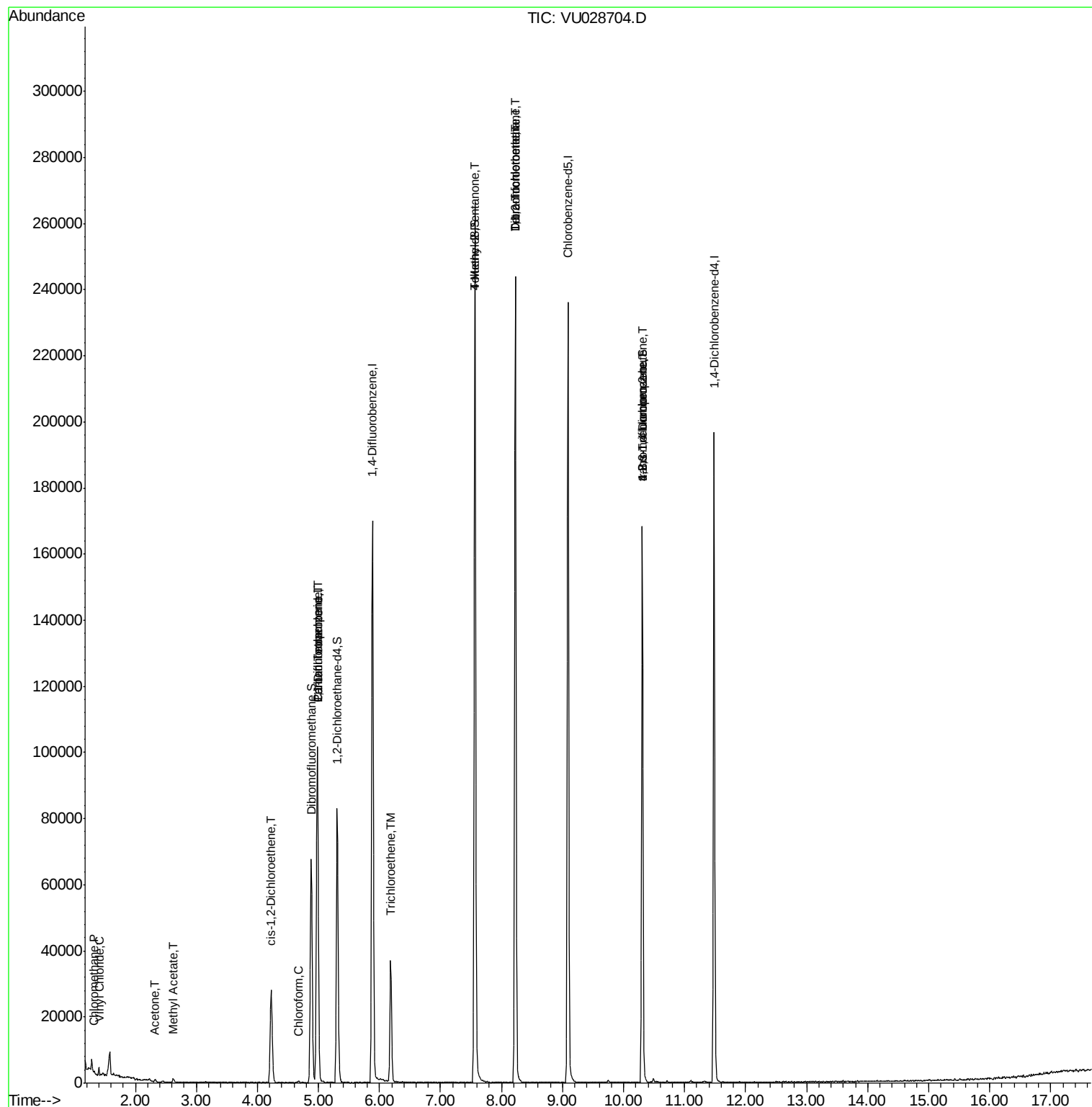
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	904	0.487	ug/l	98
4) Vinyl Chloride	1.40	62	1403	1.048	ug/l	92
16) Acetone	2.32	43	835	1.114	ug/l	89
18) Methyl Acetate	2.62	43	1510	0.777	ug/l	92
27) cis-1,2-Dichloroethene	4.22	96	15207	14.234	ug/l	88
30) Chloroform	4.68	83	555	0.315	ug/l	99
31) Cyclohexane	4.98	56	1802	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	6646	4.516	ug/l #	50
38) Carbon Tetrachloride	4.98	117	7442	6.274	ug/l #	15
44) Trichloroethene	6.19	130	11683	12.123	ug/l	96
51) 4-Methyl-2-Pentanone	7.57	43	997	0.525	ug/l #	1
55) 1,1,2-Trichloroethane	8.22	97	419	0.416	ug/l #	5
60) Dibromochloromethane	8.22	129	51106	51.771	ug/l #	10
64) Tetrachloroethene	8.22	164	52420	63.385	ug/l	98
76) 1,2,3-Trichloropropane	10.30	75	29658	24.299	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	29658	59.641	ug/l #	100

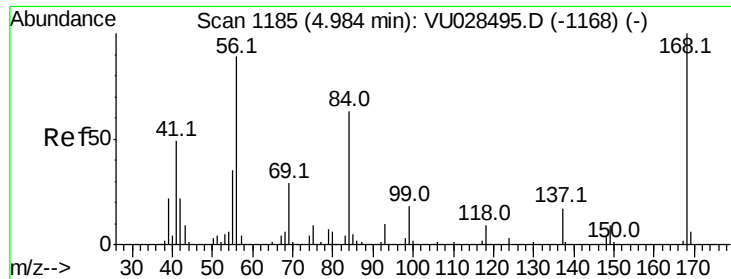
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121518\
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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: VU028704.D

Acq: 14 Dec 2018 23:41

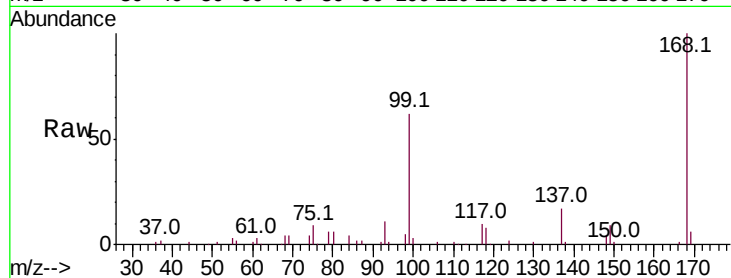
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 75296

Ion Ratio Lower Upper

168 100

99 61.9 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

30000

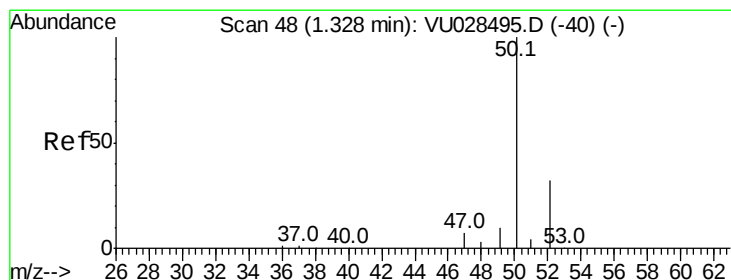
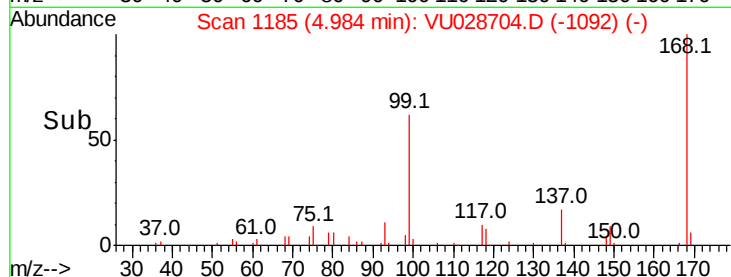
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.487 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028704.D

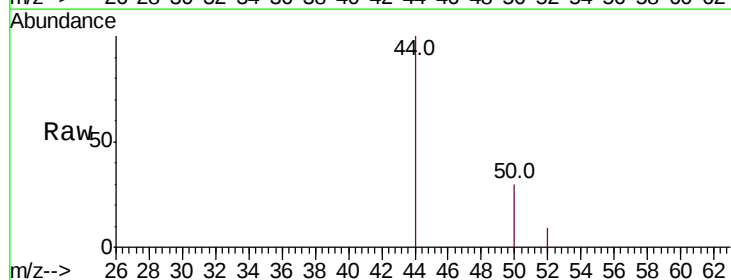
Acq: 14 Dec 2018 23:41

Tgt Ion: 50 Resp: 904

Ion Ratio Lower Upper

50 100

52 30.5 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

800

600

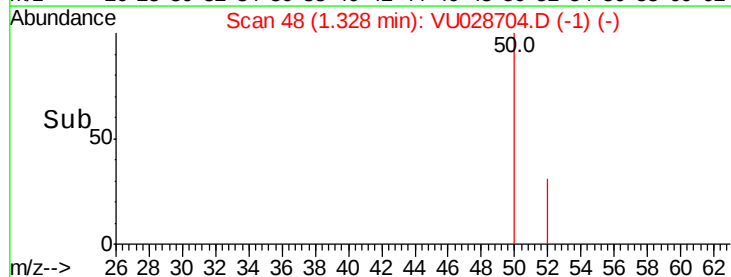
400

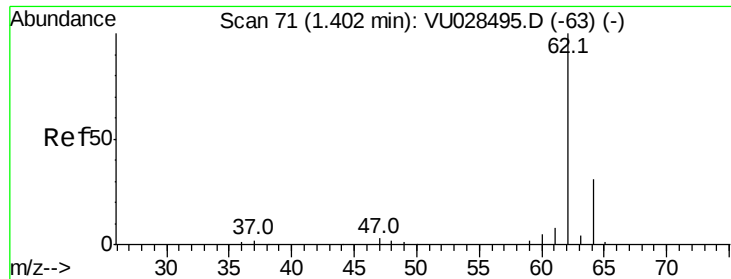
200

0

1.30 1.32 1.34 1.36

Time-->





#4

Vinyl Chloride

Concen: 1.048 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028704.D

Acq: 14 Dec 2018 23:41

Instrument :

MSVOA_U

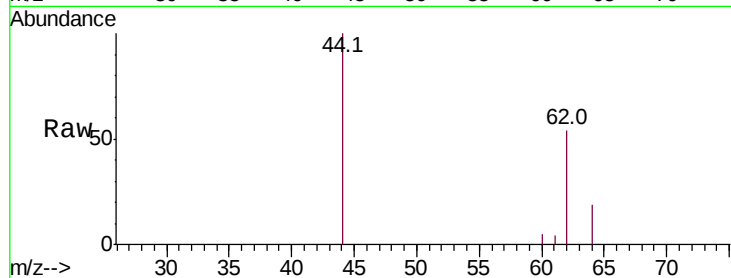
ClientSampleId :

Tot Ion: 62 Resp: 1403

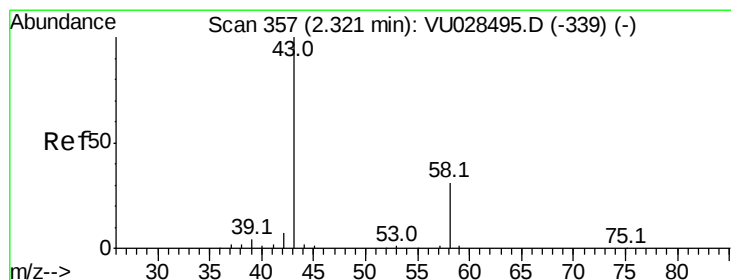
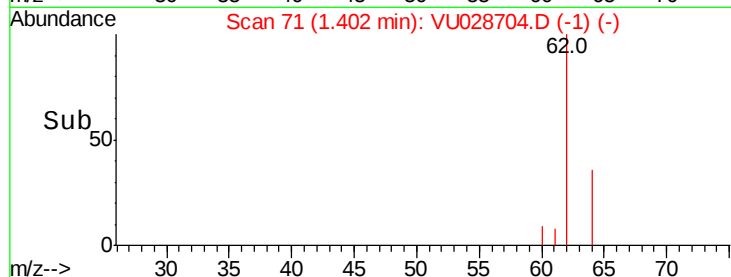
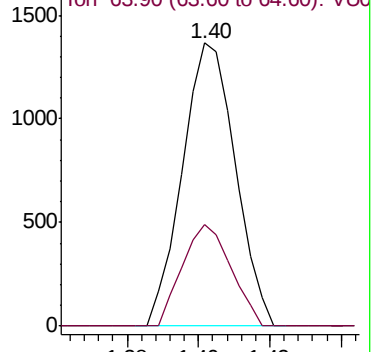
Ion Ratio Lower Upper

62 100

64 35.8 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU028495.D (-63) (-)



#16

Acetone

Concen: 1.114 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028704.D

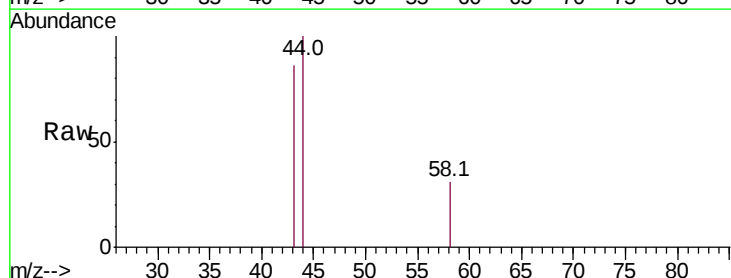
Acq: 14 Dec 2018 23:41

Tgt Ion: 43 Resp: 835

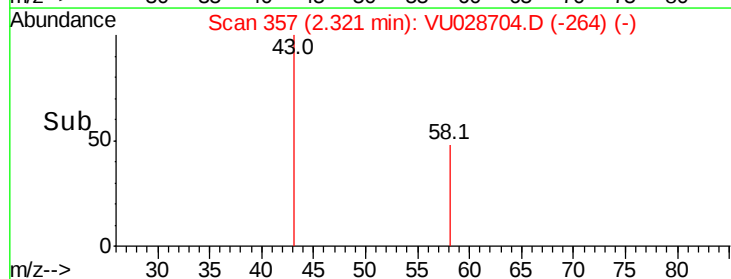
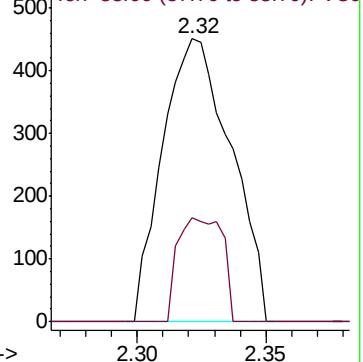
Ion Ratio Lower Upper

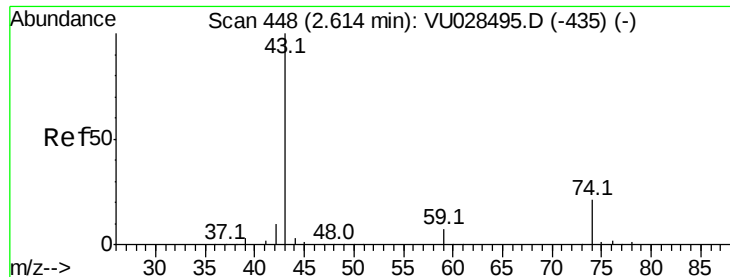
43 100

58 36.6 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-339) (-)

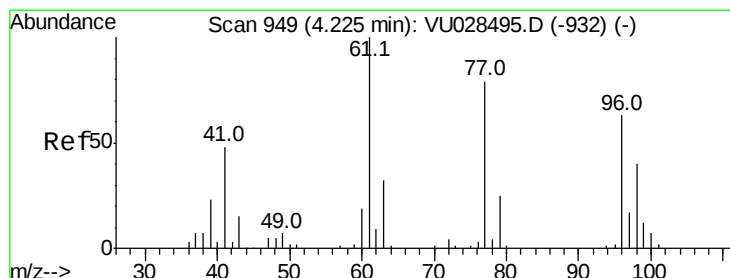
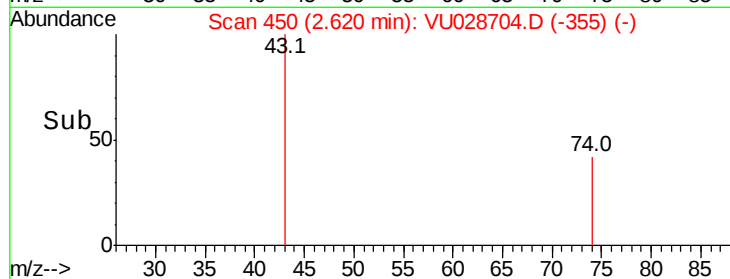
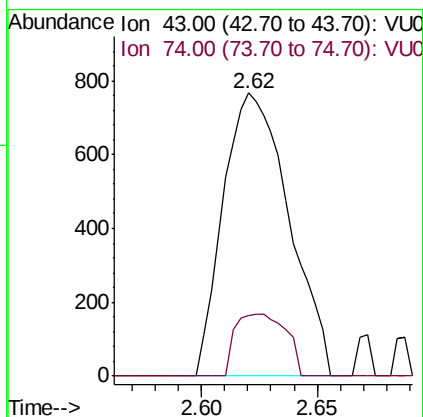
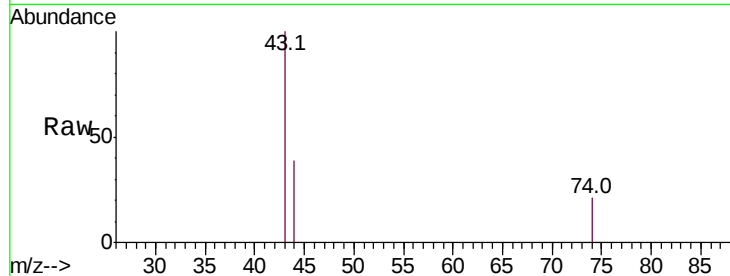




#18
Methvl Acetate
Concen: 0.777 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU028704.D
Acq: 14 Dec 2018 23:41

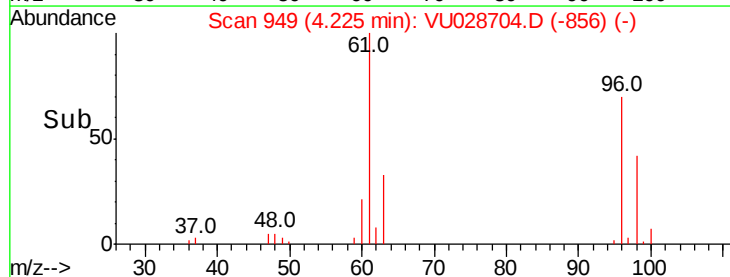
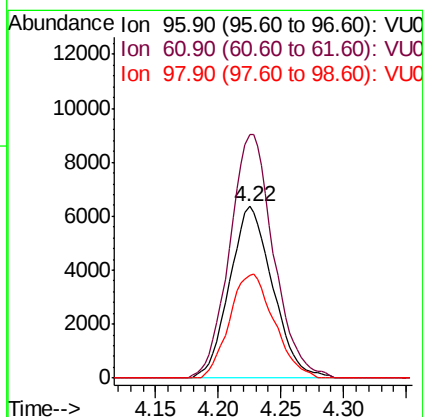
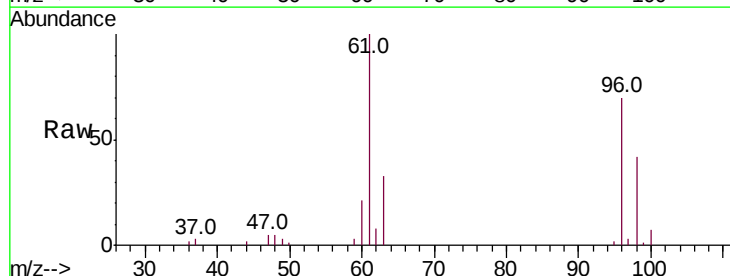
Instrument :
MSVOA_U
ClientSampleId :

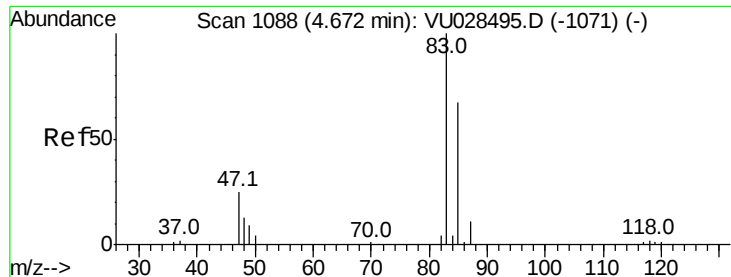
Tot Ion: 43 Resp: 1510
Ion Ratio Lower Upper
43 100
74 16.8 16.4 24.6



#27
cis-1,2-Dichloroethene
Concen: 14.234 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028704.D
Acq: 14 Dec 2018 23:41

Tgt Ion: 96 Resp: 15207
Ion Ratio Lower Upper
96 100
61 144.8 0.0 332.4
98 62.6 0.0 129.0

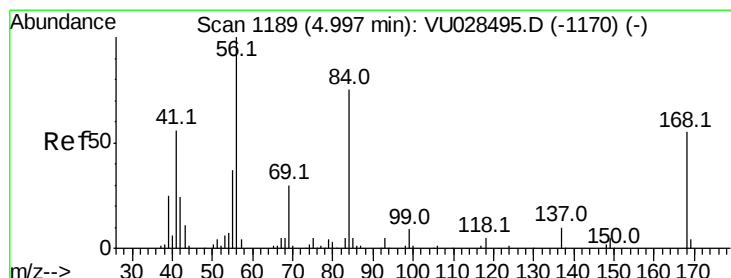
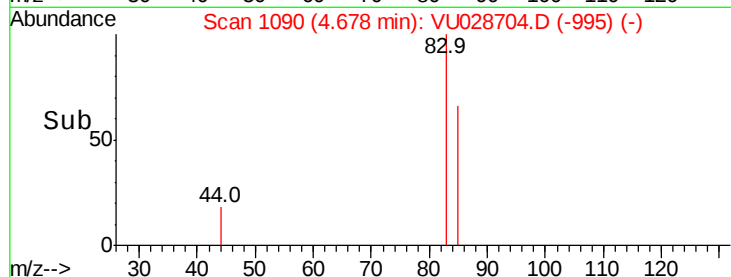
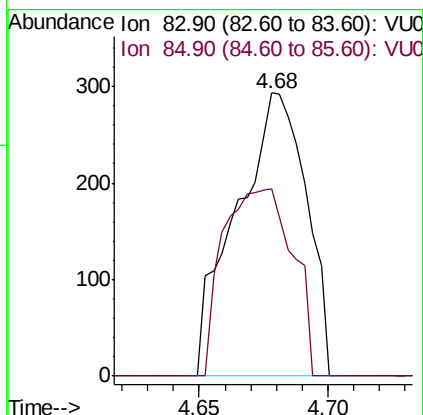
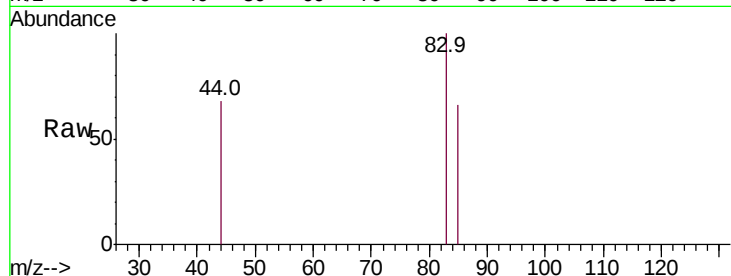




#30
Chloroform
Concen: 0.315 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VU028704.D
Acq: 14 Dec 2018 23:41

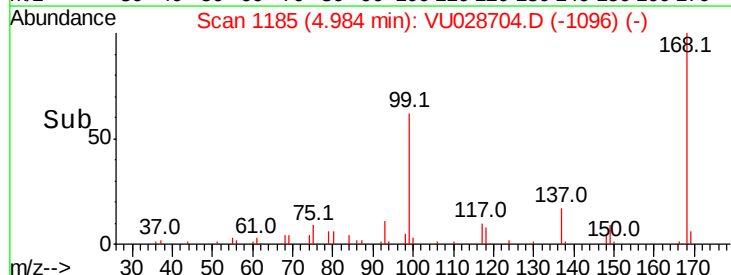
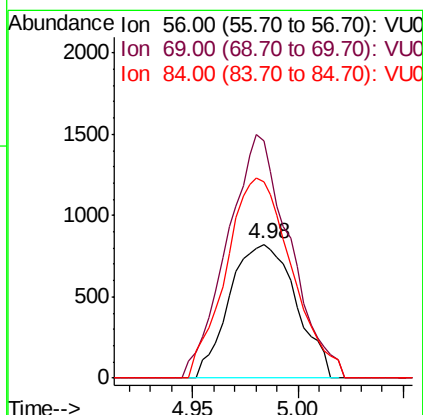
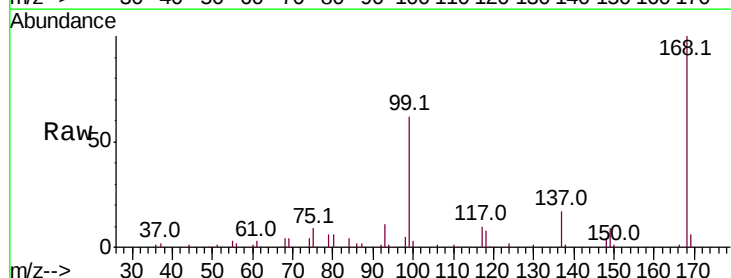
Instrument :
MSVOA_U
ClientSampleId :

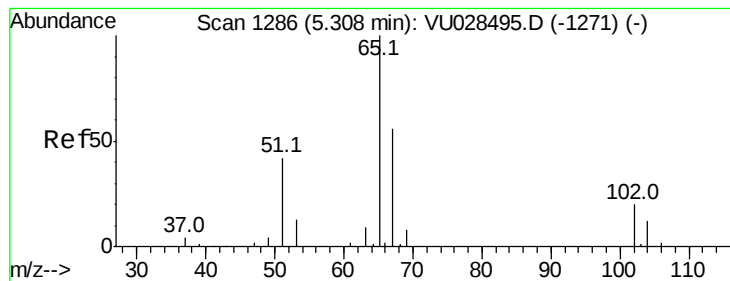
Tot Ion: 83 Resp: 555
Ion Ratio Lower Upper
83 100
85 66.2 53.6 80.4



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028704.D
Acq: 14 Dec 2018 23:41

Tgt Ion: 56 Resp: 1802
Ion Ratio Lower Upper
56 100
69 164.7 24.0 36.0#
84 146.8 59.7 89.5#





#33

1,2-Dichloroethane-d4

Concen: 55.691 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028704.D

Acq: 14 Dec 2018 23:41

Instrument :

MSVOA_U

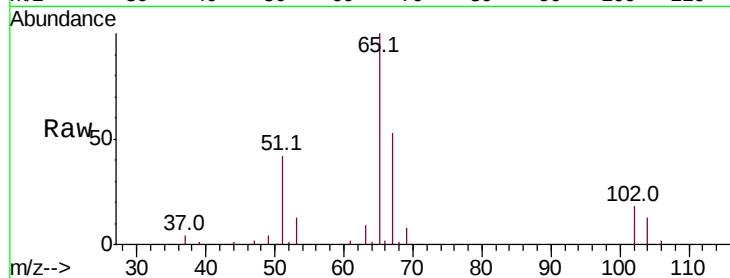
ClientSampleId :

Tot Ion: 65 Resp: 63993

Ion Ratio Lower Upper

65 100

67 53.6 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU028495.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU028495.D (-1271) (-)

5.31

30000

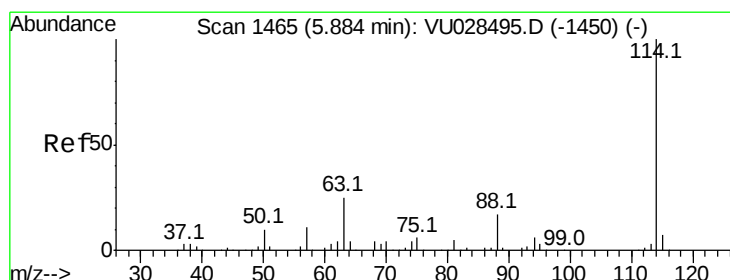
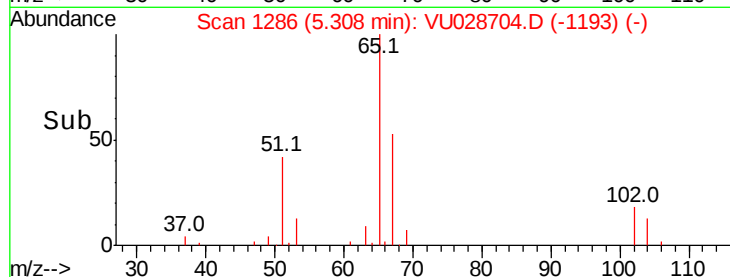
20000

10000

0

Time-->

5.20 5.30 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028704.D

Acq: 14 Dec 2018 23:41

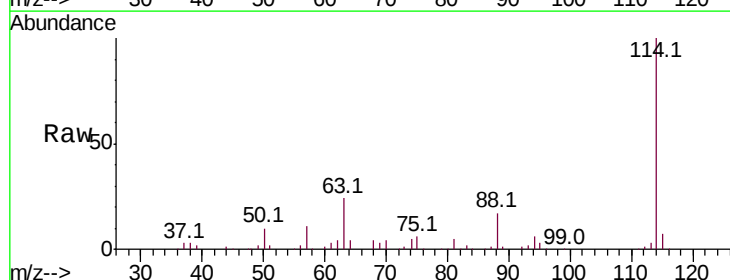
Tgt Ion: 114 Resp: 134476

Ion Ratio Lower Upper

114 100

63 24.5 0.0 49.2

88 16.8 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): VU028495.D (-1450) (-)

Ion 63.00 (62.70 to 63.70): VU028495.D (-1450) (-)

Ion 87.90 (87.60 to 88.60): VU028495.D (-1450) (-)

5.89

80000

60000

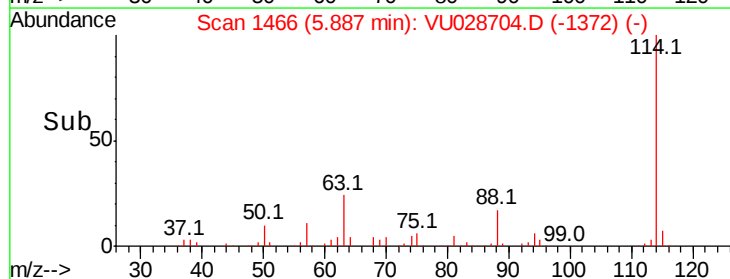
40000

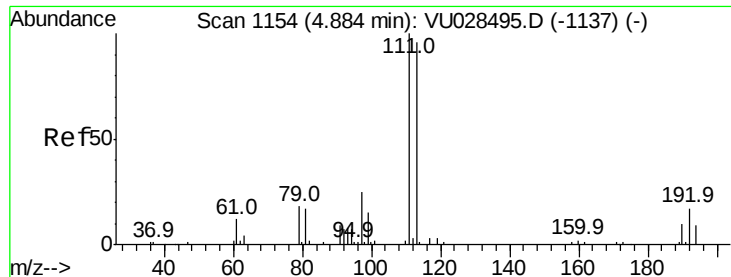
20000

0

Time-->

5.80 5.85 5.90 5.95





#35

Dibromofluoromethane

Concen: 56.152 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028704.D

Acq: 14 Dec 2018 23:41

Instrument :
MSVOA_U
ClientSampled :

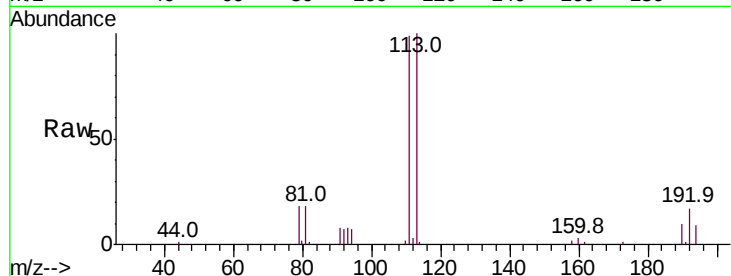
Tot Ion:113 Resp: 47520

Ion Ratio Lower Upper

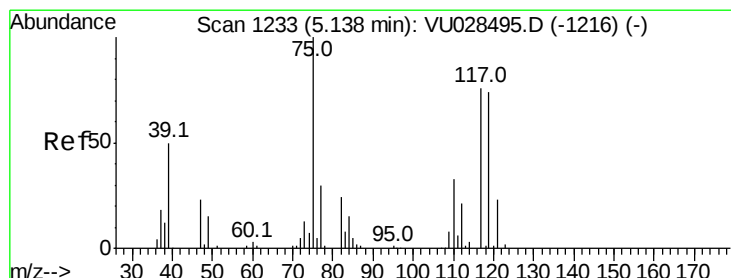
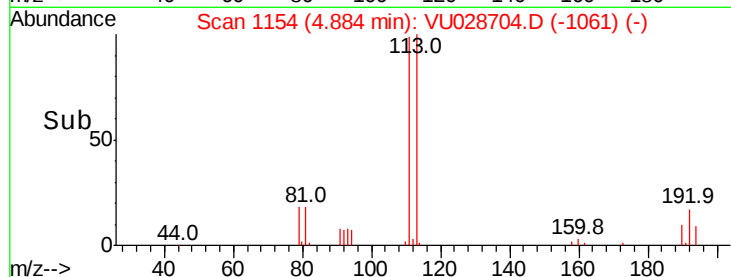
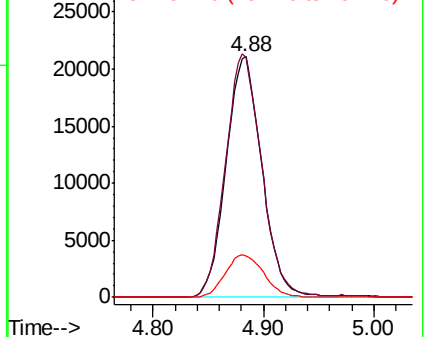
113 100

111 102.0 83.4 125.0

192 18.8 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: 4.516 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028704.D

Acq: 14 Dec 2018 23:41

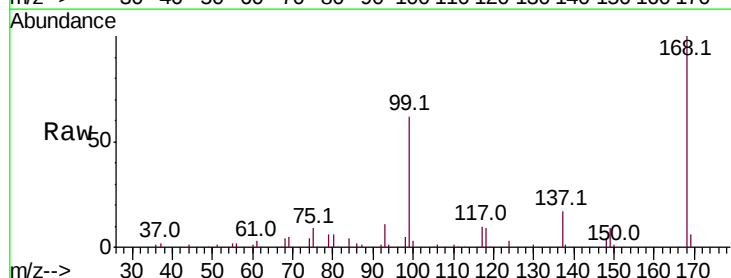
Tgt Ion: 75 Resp: 6646

Ion Ratio Lower Upper

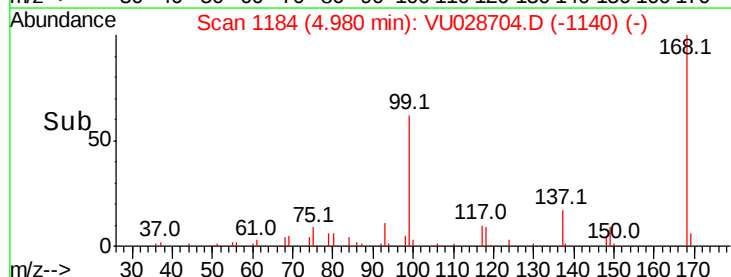
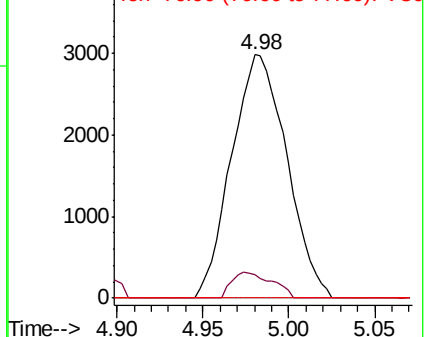
75 100

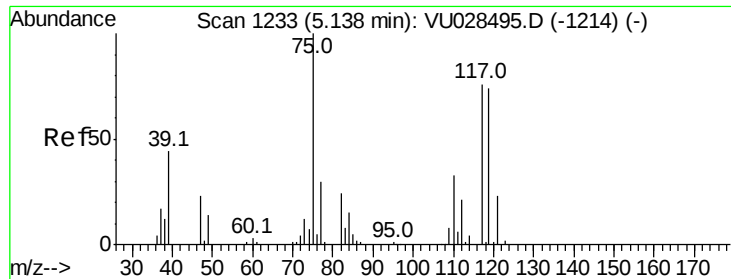
110 7.7 16.1 48.2#

77 0.0 24.5 36.7#



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: 6.274 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028704.D

Acq: 14 Dec 2018 23:41

Instrument :

MSVOA_U

ClientSampleId :

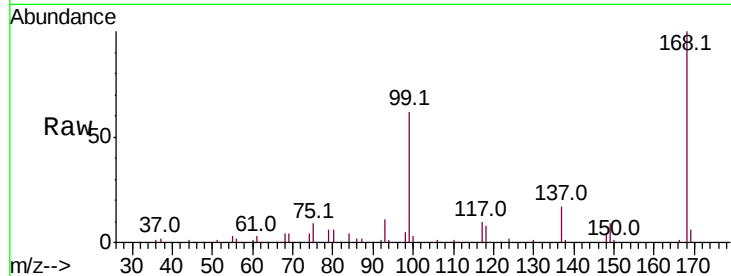
Tot Ion:117 Resp: 7442

Ion Ratio Lower Upper

117 100

119 4.8 77.6 116.4#

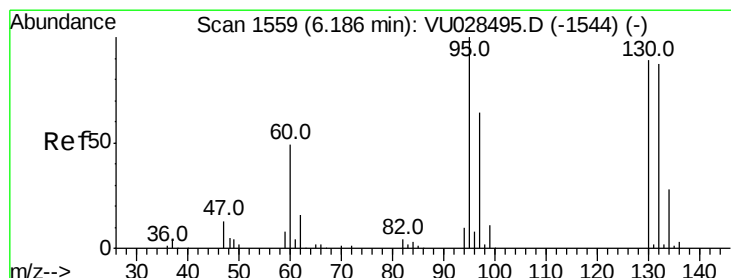
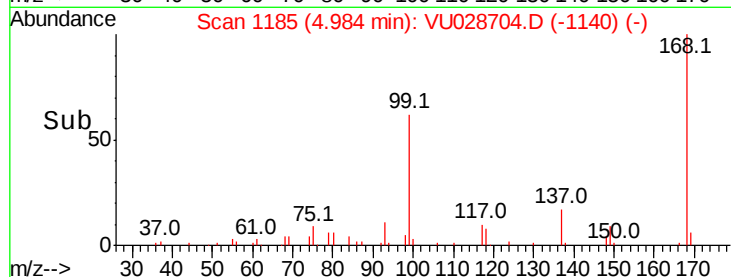
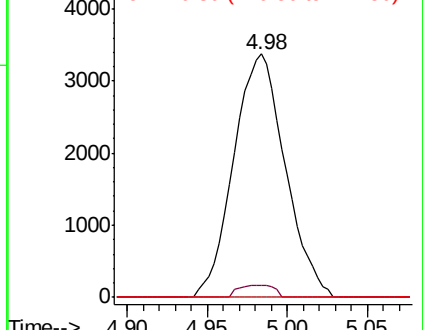
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 12.123 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028704.D

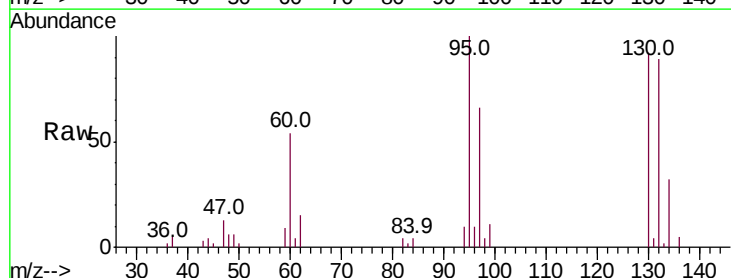
Acq: 14 Dec 2018 23:41

Tgt Ion:130 Resp: 11683

Ion Ratio Lower Upper

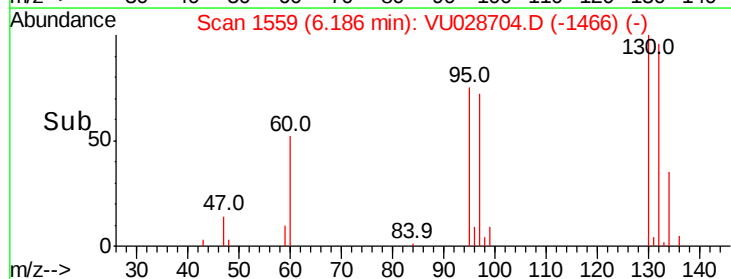
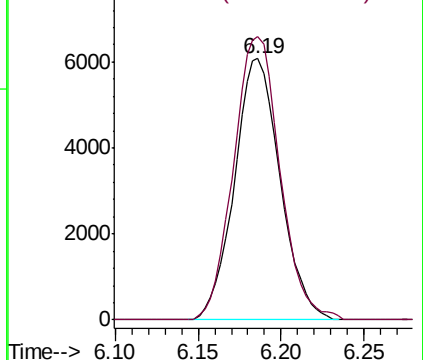
130 100

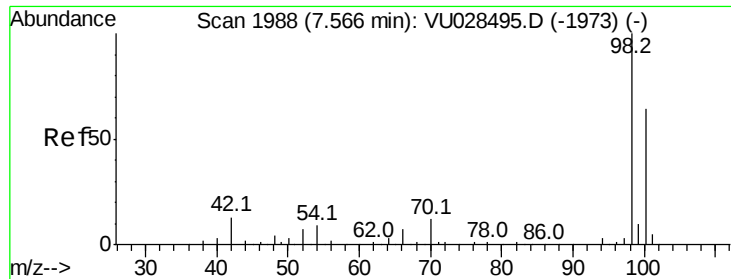
95 108.2 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 52.310 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028704.D

Acq: 14 Dec 2018 23:41

Instrument :

MSVOA_U

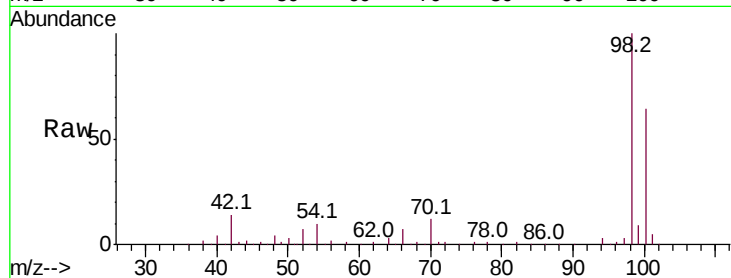
ClientSampleId :

Tot Ion: 98 Resp: 175117

Ion Ratio Lower Upper

98 100

100 63.8 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

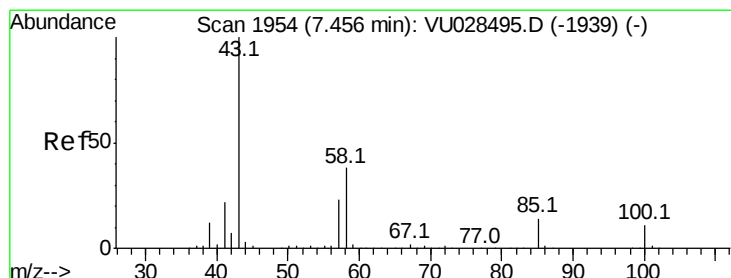
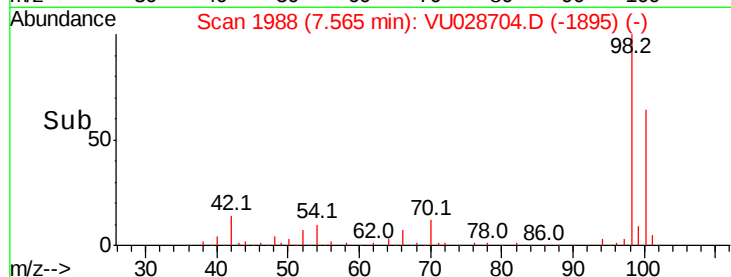
60000

40000

20000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.525 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VU028704.D

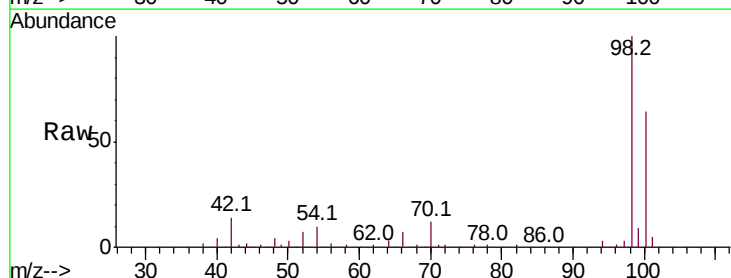
Acq: 14 Dec 2018 23:41

Tgt Ion: 43 Resp: 997

Ion Ratio Lower Upper

43 100

58 149.3 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) (-)

7.57

1000

800

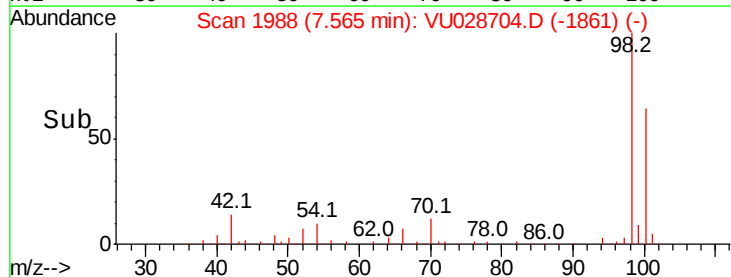
600

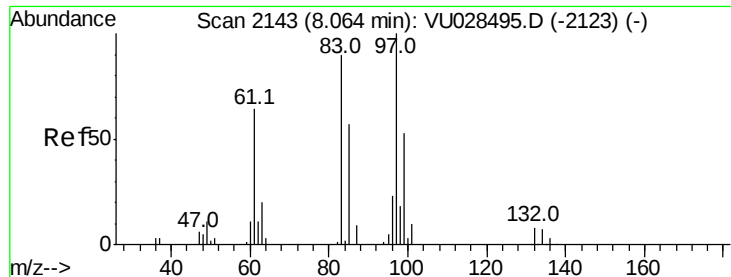
400

200

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 0.416 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. 0.16 min

Lab File: VU028704.D

Acq: 14 Dec 2018 23:41

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 419

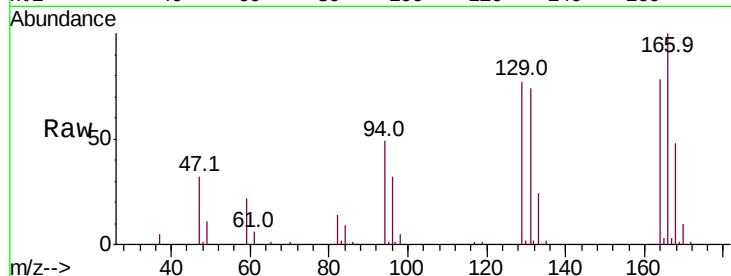
Ion Ratio Lower Upper

97 100

83 238.8 72.4 108.6#

85 47.6 46.0 69.0

99 0.0 47.4 71.2#

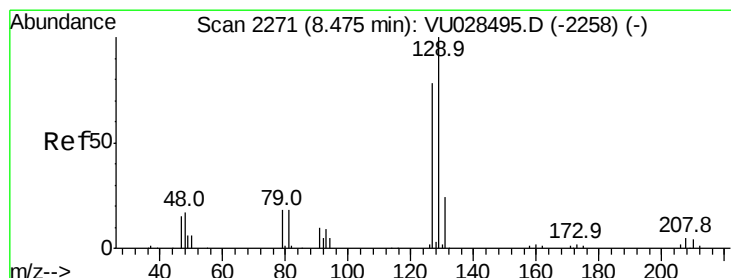
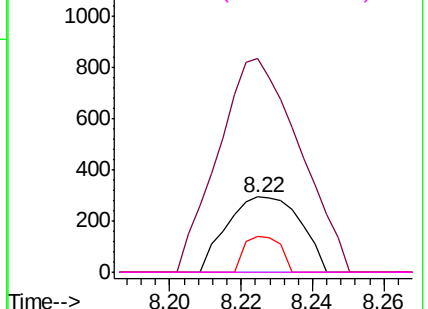
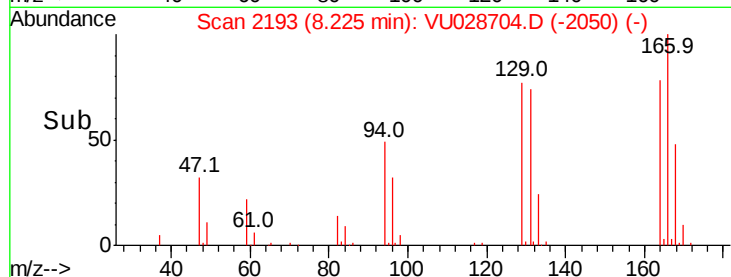


Abundance Ion 96.90 (96.60 to 97.60): VU028704.D (-2050) (-)

Ion 82.90 (82.60 to 83.60): VU028704.D (-2050) (-)

Ion 84.90 (84.60 to 85.60): VU028704.D (-2050) (-)

Ion 98.90 (98.60 to 99.60): VU028704.D (-2050) (-)



#60

Dibromochloromethane

Concen: 51.771 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028704.D

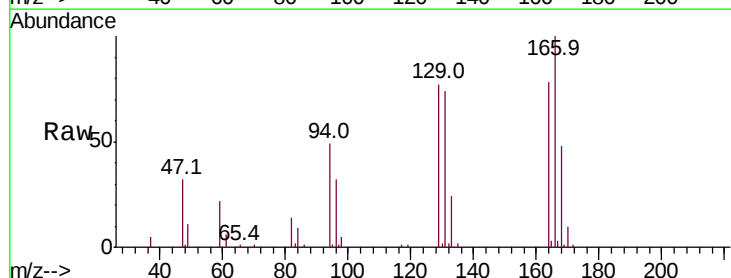
Acq: 14 Dec 2018 23:41

Tgt Ion: 129 Resp: 51106

Ion Ratio Lower Upper

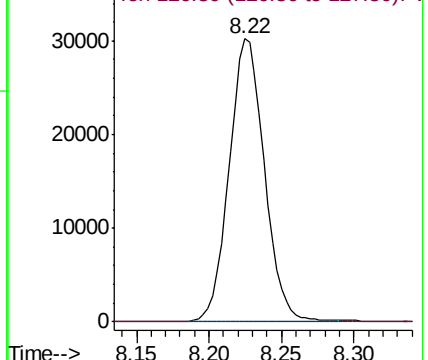
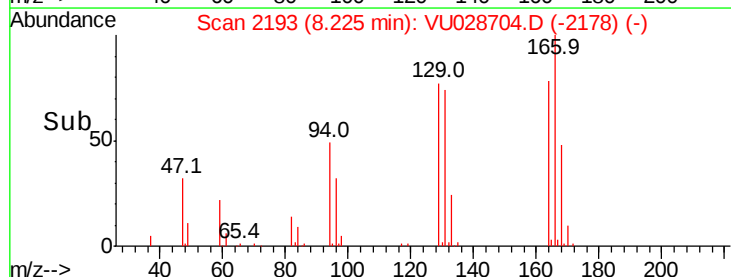
129 100

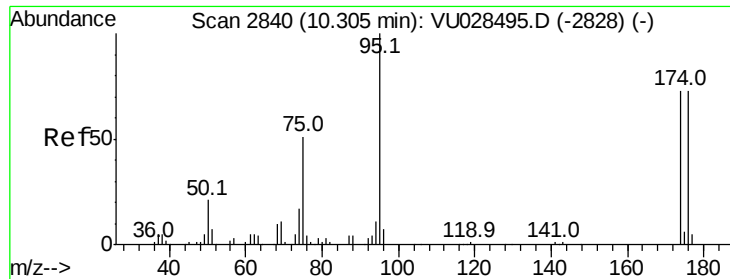
127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): VU028704.D (-2178) (-)

Ion 126.80 (126.50 to 127.50): VU028704.D (-2178) (-)

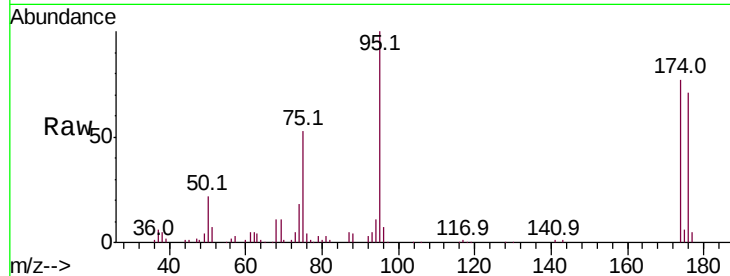




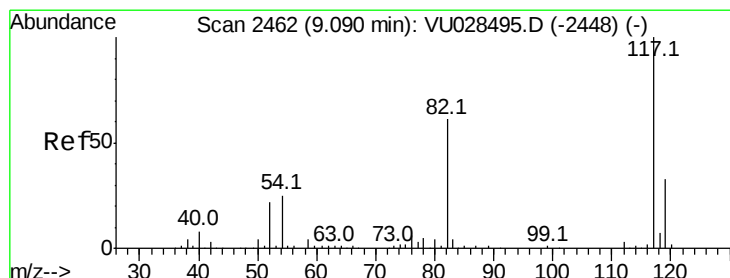
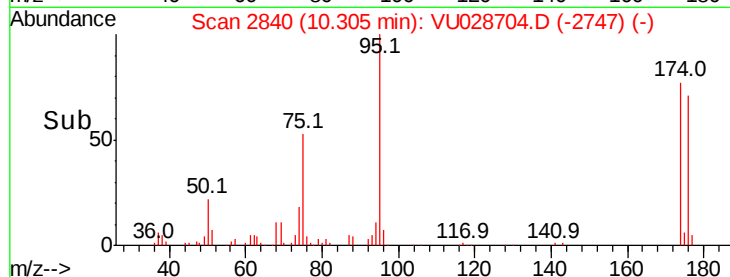
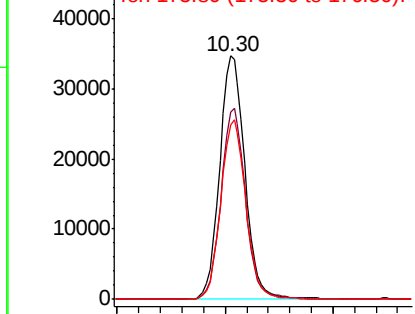
#62
4-Bromofluorobenzene
Concen: 45.015 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028704.D
Acq: 14 Dec 2018 23:41

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 95 Resp: 56325
Ion Ratio Lower Upper
95 100
174 76.2 0.0 150.4
176 73.0 0.0 145.2

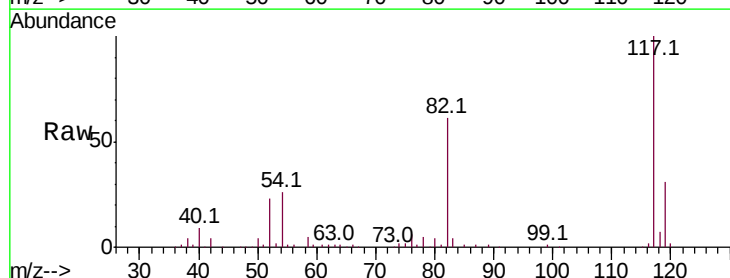


Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)
Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)
Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)

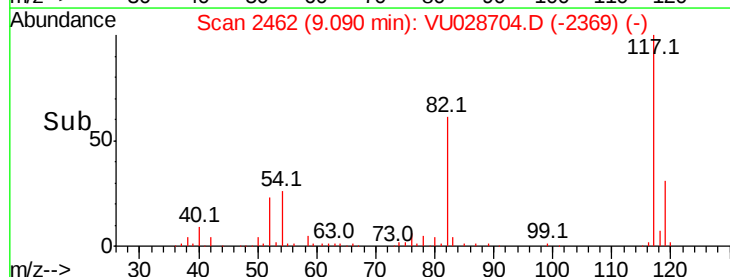
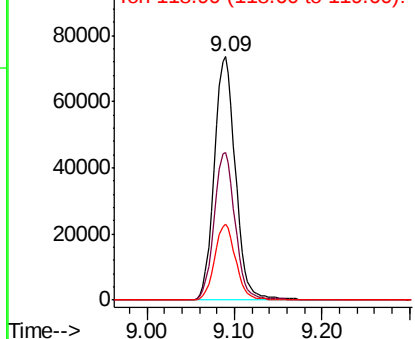


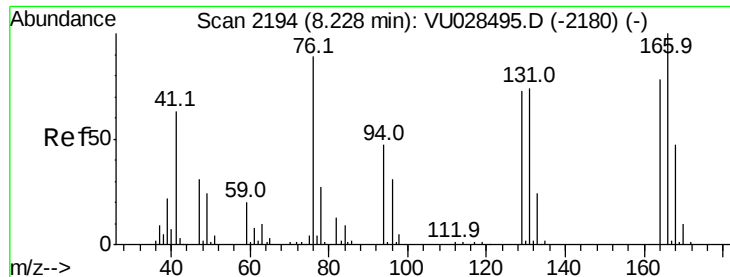
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028704.D
Acq: 14 Dec 2018 23:41

Tgt Ion: 117 Resp: 123985
Ion Ratio Lower Upper
117 100
82 60.7 48.9 73.3
119 31.2 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)
Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)
Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)





#64

Tetrachloroethene

Concen: 63.385 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028704.D

Acq: 14 Dec 2018 23:41

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:164 Resp: 52420

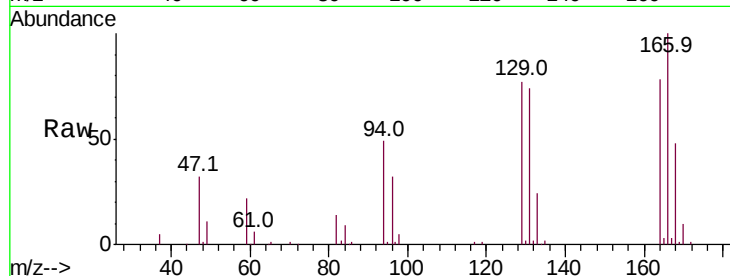
Ion Ratio Lower Upper

164 100

166 127.4 101.9 152.9

129 98.4 74.9 112.3

131 93.9 75.4 113.0

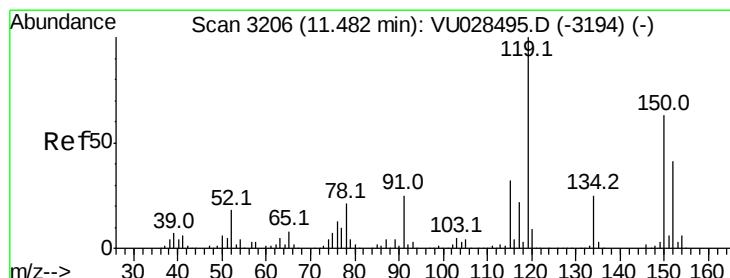
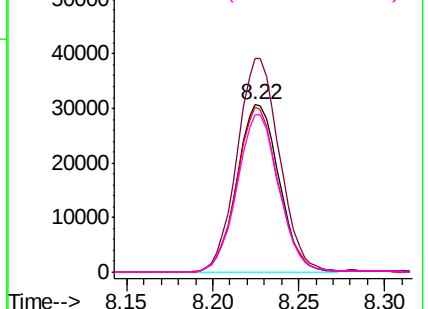
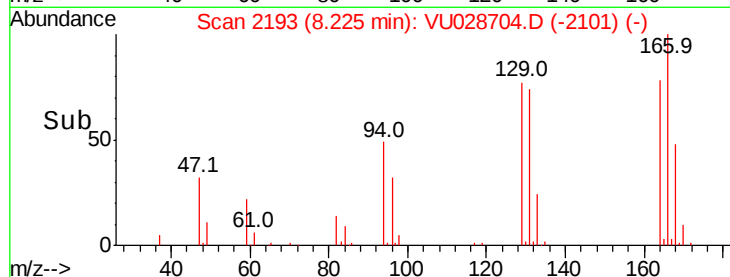


Abundance Ion 163.80 (163.50 to 164.50): V

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# 3206

Delta R.T. -0.00 min

Lab File: VU028704.D

Acq: 14 Dec 2018 23:41

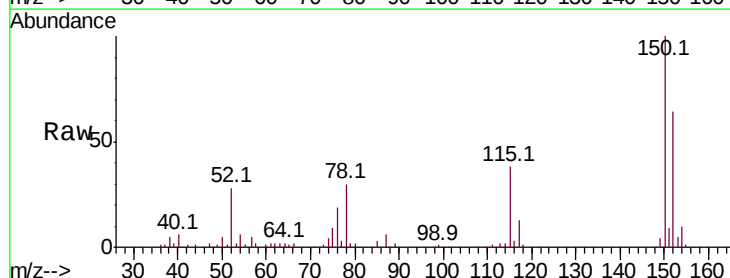
Tgt Ion:152 Resp: 47799

Ion Ratio Lower Upper

152 100

115 60.2 42.7 128.1

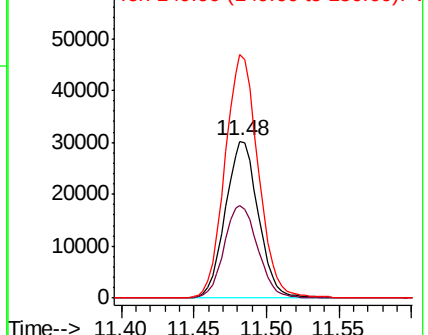
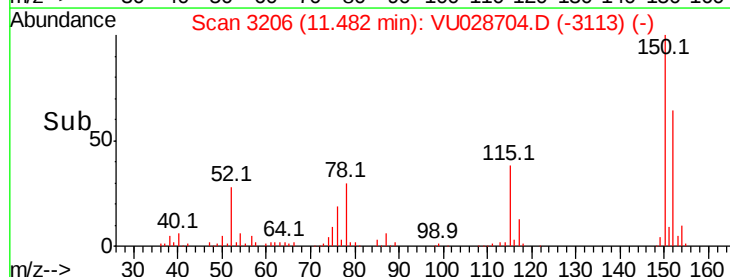
150 156.4 0.0 346.0

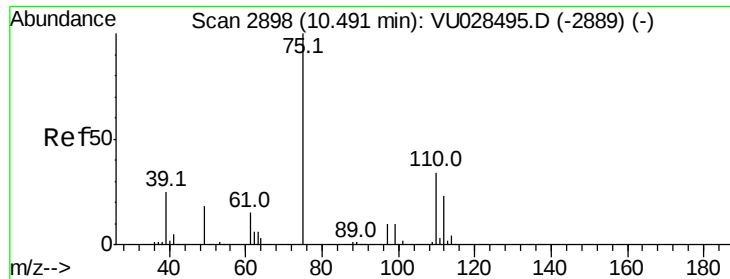


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

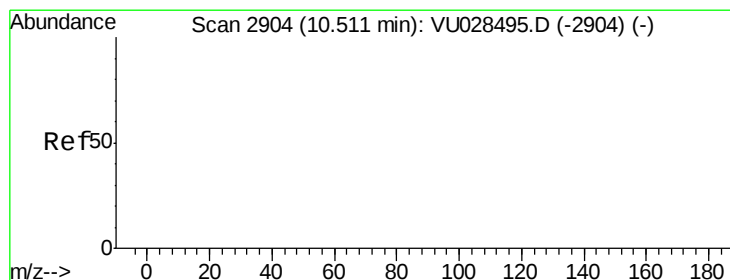
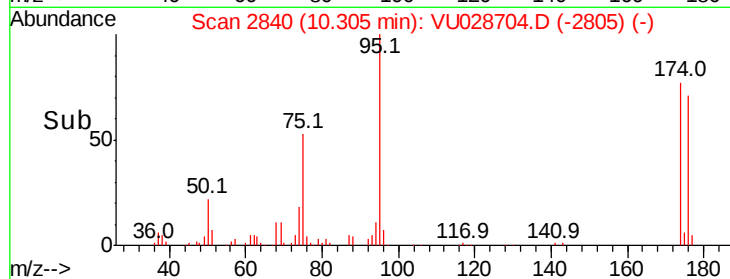
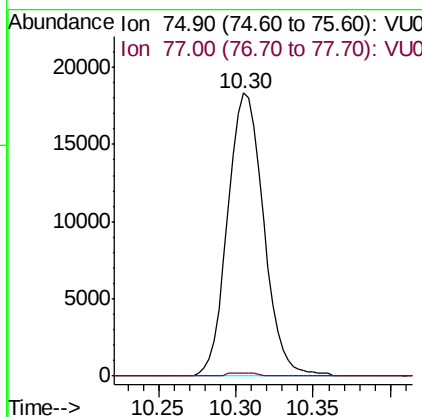
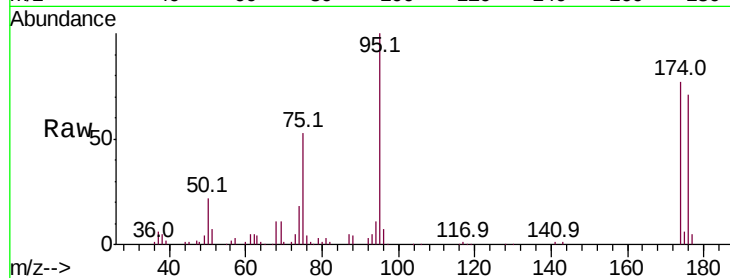




#76
 1,2,3-Trichloropropane
 Concen: 24.299 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU028704.D
 Acq: 14 Dec 2018 23:41

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 29658
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.8 62.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.641 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.21 min
 Lab File: VU028704.D
 Acq: 14 Dec 2018 23:41

Tgt Ion: 75 Resp: 29658
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

