

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028555.D
 Acq On : 10 Dec 2018 16:46
 Operator : MD/SY
 Sample : J6323-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP02-20181206

Quant Time: Dec 11 03:38:49 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	96120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	180548	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	172645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	80581	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	81319	55.44	ug/l	0.00
Spiked Amount			Recovery	=	110.88%	
35) Dibromofluoromethane	4.88	113	61564	54.18	ug/l	0.00
Spiked Amount			Recovery	=	108.36%	
50) Toluene-d8	7.57	98	240468	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	
62) 4-Bromofluorobenzene	10.30	95	86201	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	

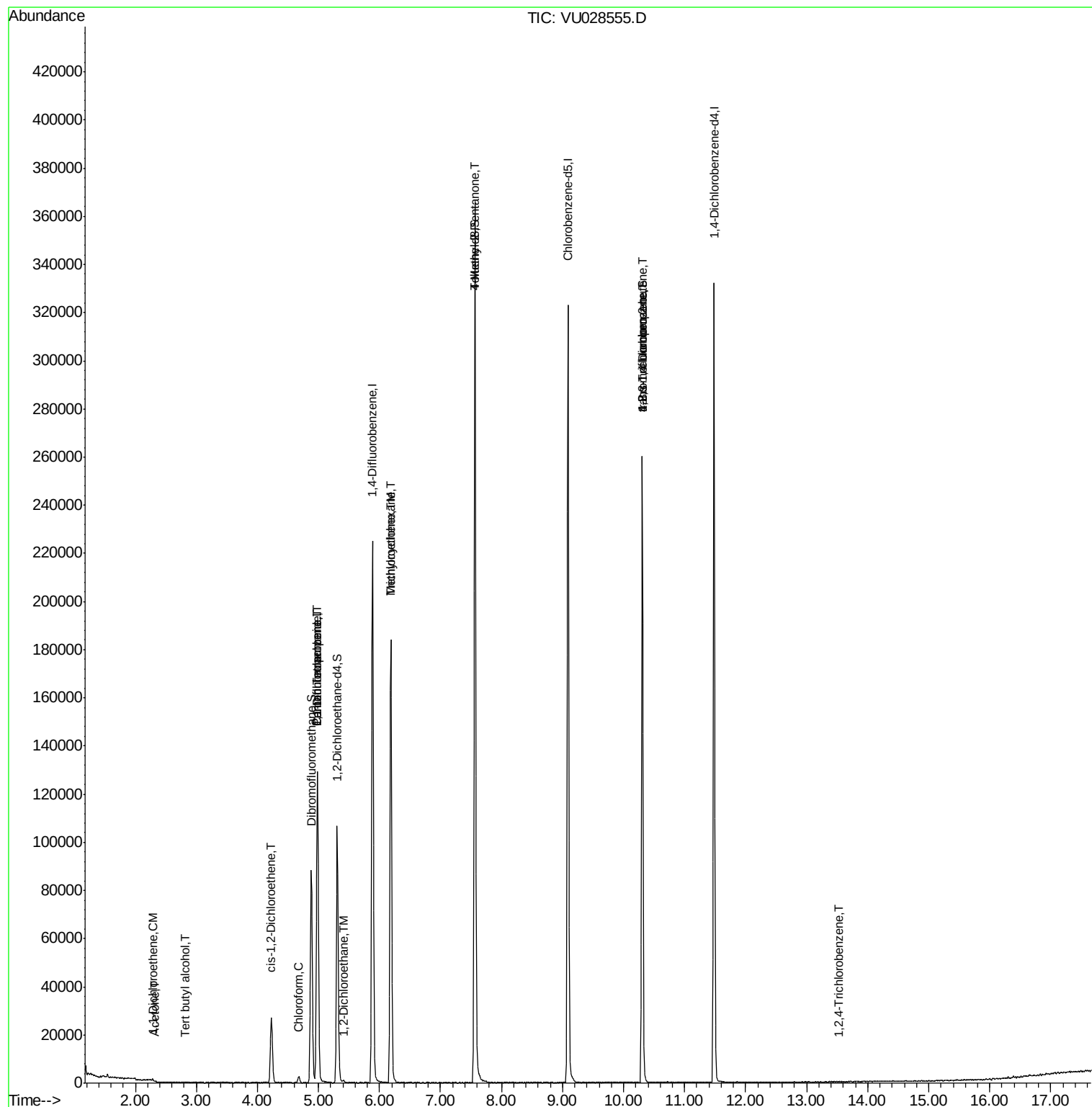
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.82	59	355	1.086	ug/l #	73
12) 1,1-Dichloroethene	2.29	96	248	0.232	ug/l #	35
16) Acetone	2.33	43	334	0.349	ug/l #	44
27) cis-1,2-Dichloroethene	4.23	96	15083	11.059	ug/l	86
30) Chloroform	4.68	83	2818	1.255	ug/l	98
31) Cyclohexane	4.98	56	2391	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	8307	4.205	ug/l #	49
38) Carbon Tetrachloride	4.98	117	9202	5.779	ug/l #	14
39) Methylcyclohexane	6.19	83	785	0.326	ug/l #	1
42) 1,2-Dichloroethane	5.41	62	873	0.429	ug/l #	76
44) Trichloroethene	6.19	130	60808	46.999	ug/l	97
51) 4-Methyl-2-Pentanone	7.57	43	1131	0.444	ug/l #	1
76) 1,2,3-Trichloropropane	10.30	75	45634	22.178	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	45634	54.480	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	21	0.855	ug/l #	12

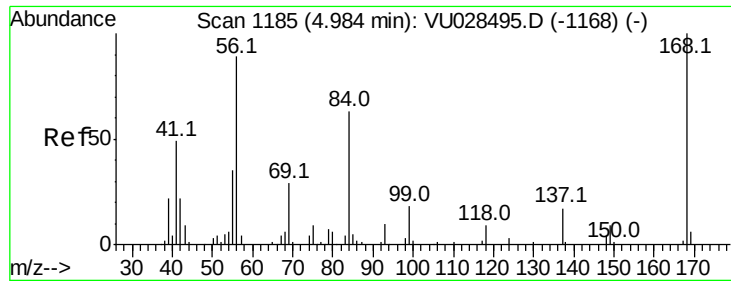
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121118\
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Quant Title : SW846 8260
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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: VU028555.D

Acq: 10 Dec 2018 16:46

Instrument :

MSVOA_U

ClientSampleId :

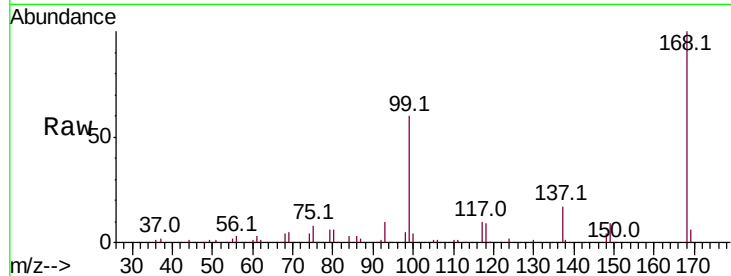
DUP02-20181206

Tot Ion:168 Resp: 96120

Ion Ratio Lower Upper

168 100

99 60.5 46.6 69.8



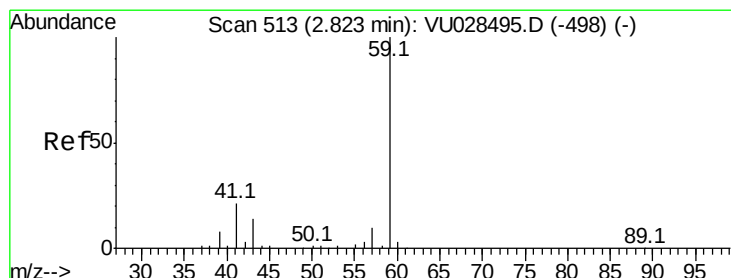
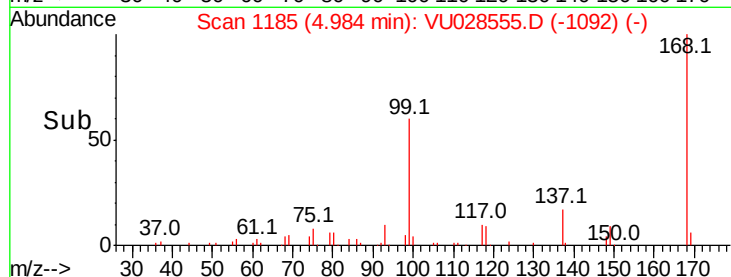
Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

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

4.98

4.90 4.95 5.00 5.05 5.10

Time-->



#11

Tert butyl alcohol

Concen: 1.086 ug/l

RT: 2.82 min Scan# 511

Delta R.T. -0.01 min

Lab File: VU028555.D

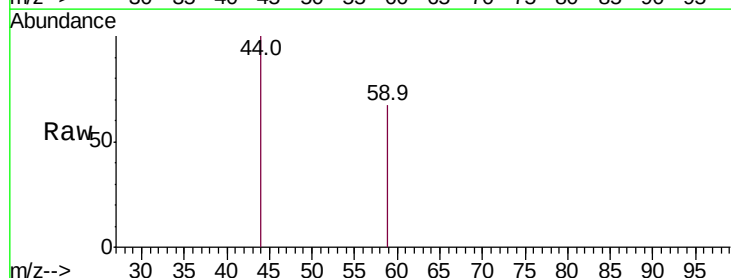
Acq: 10 Dec 2018 16:46

Tgt Ion: 59 Resp: 355

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



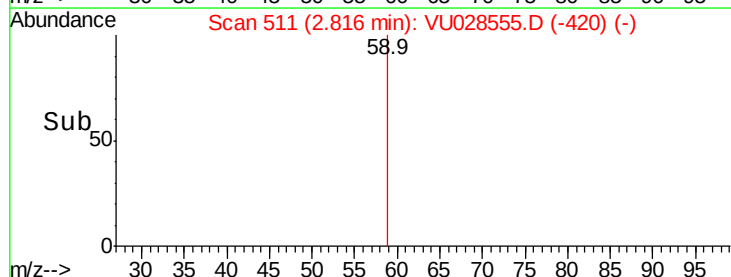
Abundance Ion 59.00 (58.70 to 59.70): VU028495.D (-498) (-)

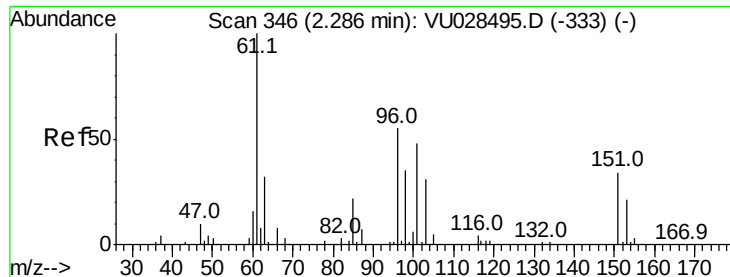
Ion 57.00 (56.70 to 57.70): VU028495.D (-498) (-)

2.82

2.80 2.85

Time-->





#12

1,1-Dichloroethene

Concen: 0.232 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028555.D

Acq: 10 Dec 2018 16:46

Instrument :

MSVOA_U

ClientSampleId :

DUP02-20181206

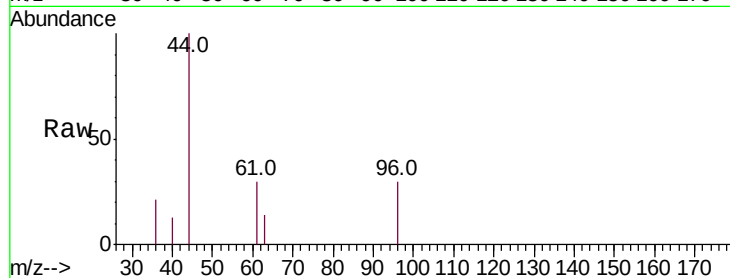
Tot Ion: 96 Resp: 248

Ion Ratio Lower Upper

96 100

61 98.8 146.4 219.6#

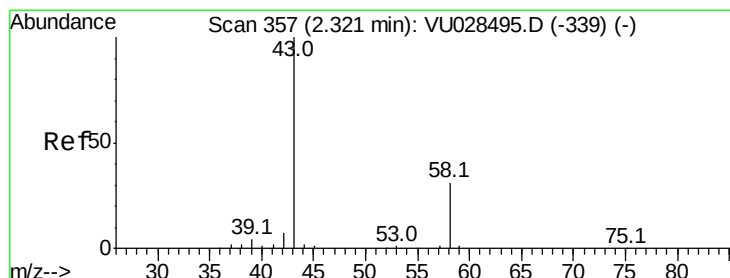
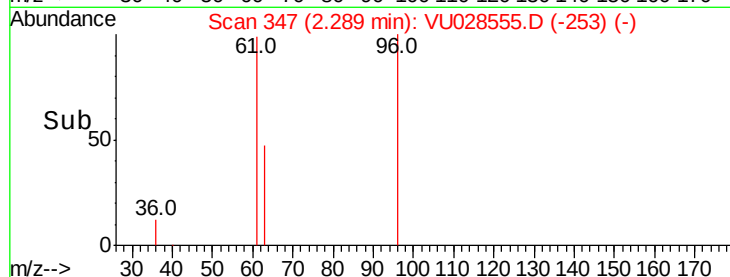
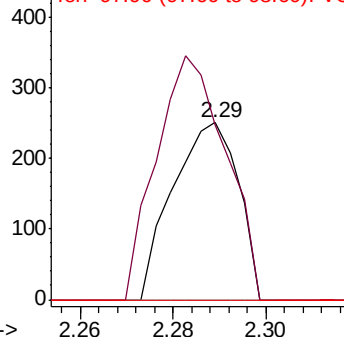
98 0.0 51.8 77.8#



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#16

Acetone

Concen: 0.349 ug/l

RT: 2.33 min Scan# 359

Delta R.T. 0.01 min

Lab File: VU028555.D

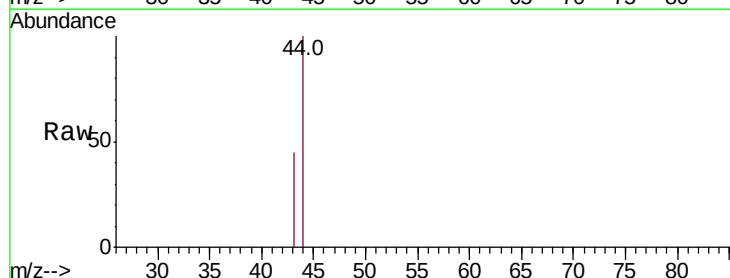
Acq: 10 Dec 2018 16:46

Tgt Ion: 43 Resp: 334

Ion Ratio Lower Upper

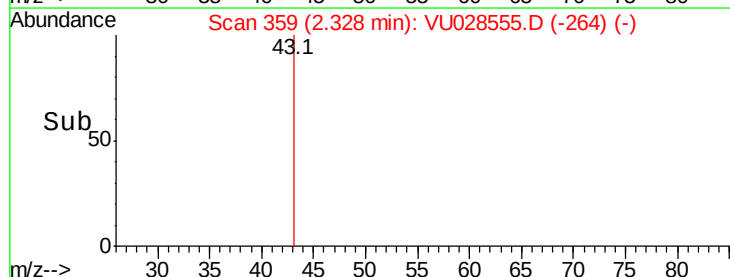
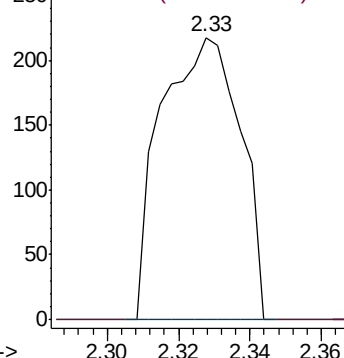
43 100

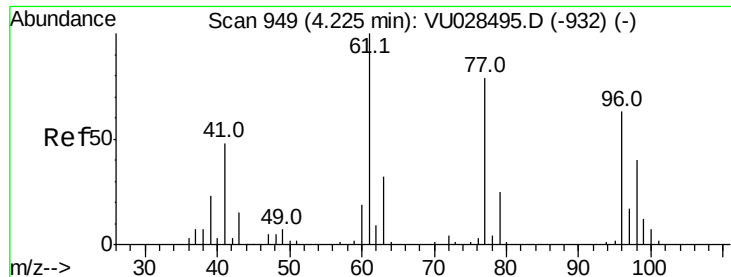
58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



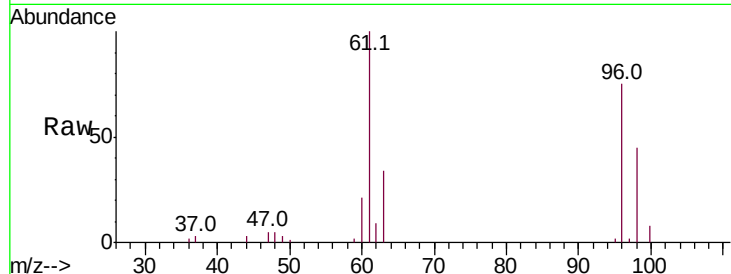


#27

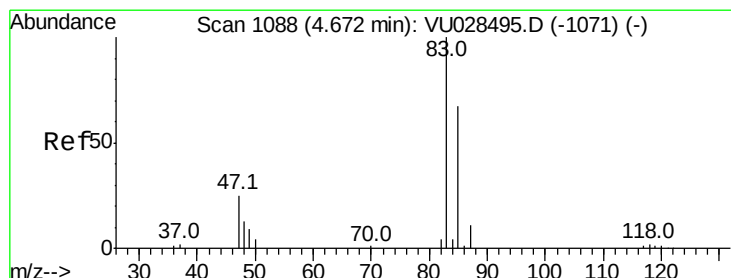
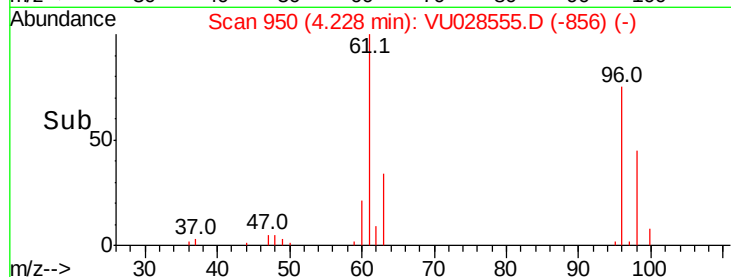
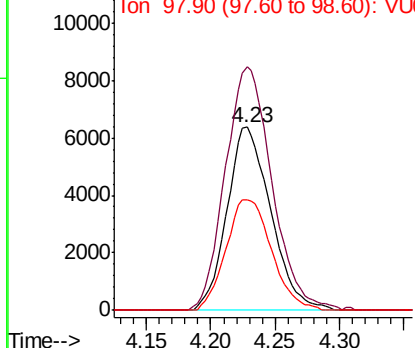
cis-1,2-Dichloroethene
 Concen: 11.059 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028555.D
 Acq: 10 Dec 2018 16:46

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP02-20181206

Tot Ion: 96 Resp: 15083
 Ion Ratio Lower Upper
 96 100
 61 141.4 0.0 332.4
 98 62.7 0.0 129.0



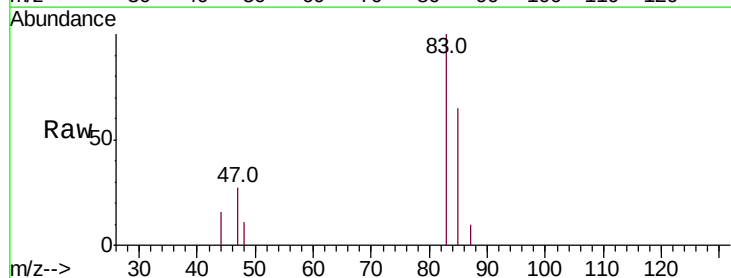
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



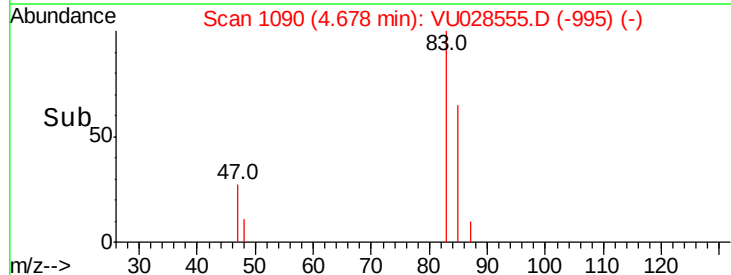
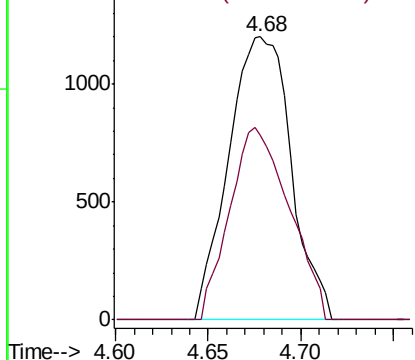
#30

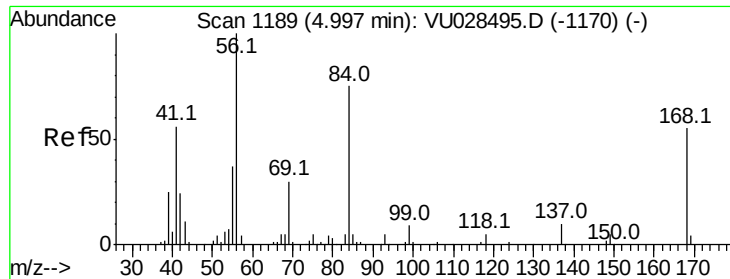
Chloroform
 Concen: 1.255 ug/l
 RT: 4.68 min Scan# 1090
 Delta R.T. 0.01 min
 Lab File: VU028555.D
 Acq: 10 Dec 2018 16:46

Tgt Ion: 83 Resp: 2818
 Ion Ratio Lower Upper
 83 100
 85 65.3 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0

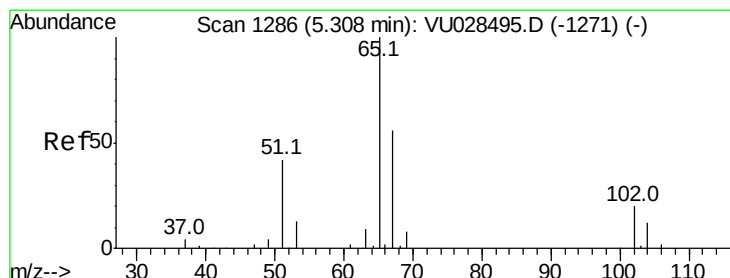
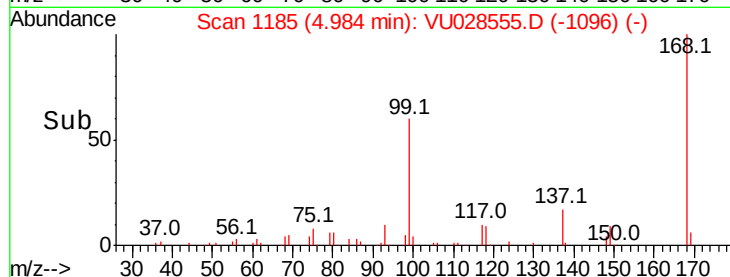
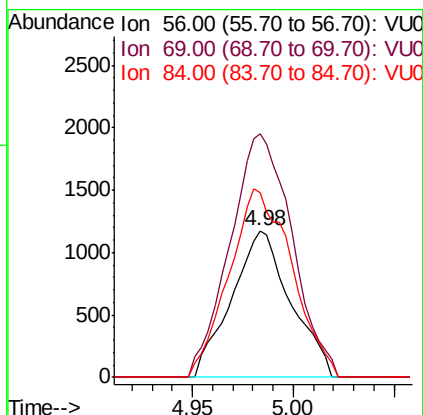
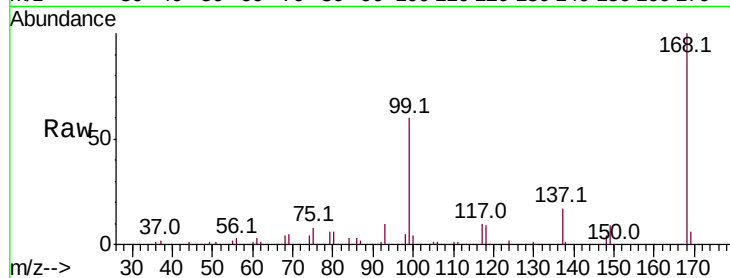




#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028555.D
Acq: 10 Dec 2018 16:46

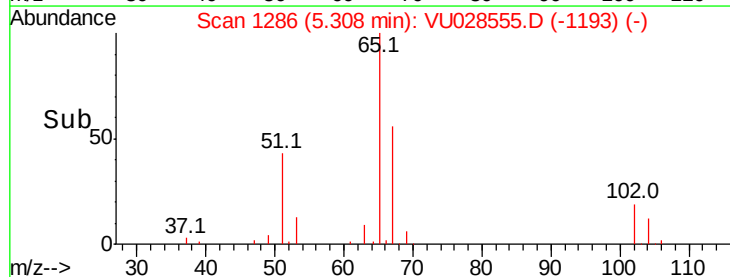
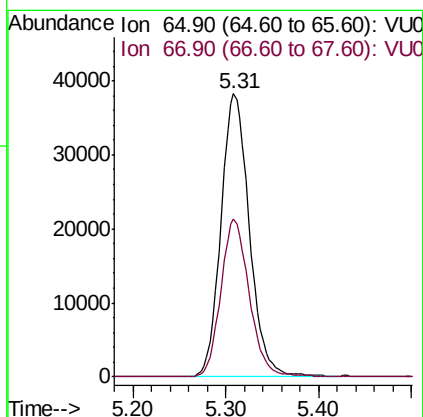
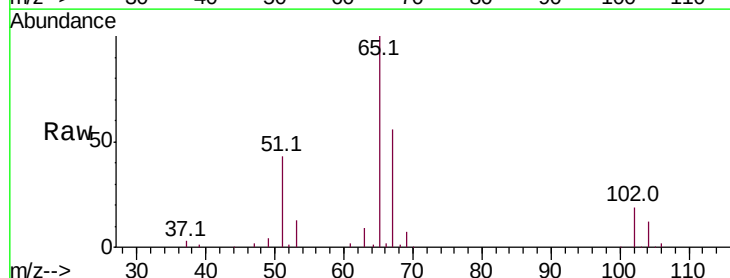
Instrument :
MSVOA_U
ClientSampleId :
DUP02-20181206

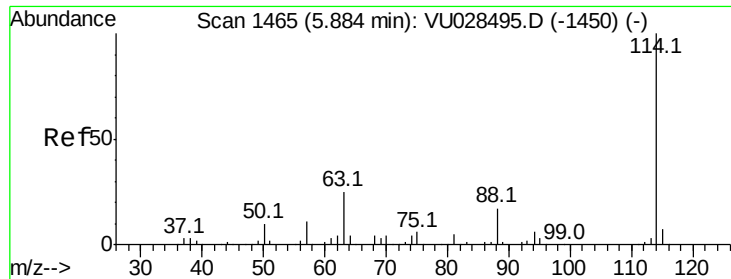
Tot Ion: 56 Resp: 2391
Ion Ratio Lower Upper
56 100
69 166.4 24.0 36.0#
84 126.4 59.7 89.5#



#33
1,2-Dichloroethane-d4
Concen: 55.438 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028555.D
Acq: 10 Dec 2018 16:46

Tgt Ion: 65 Resp: 81319
Ion Ratio Lower Upper
65 100
67 55.5 0.0 110.6

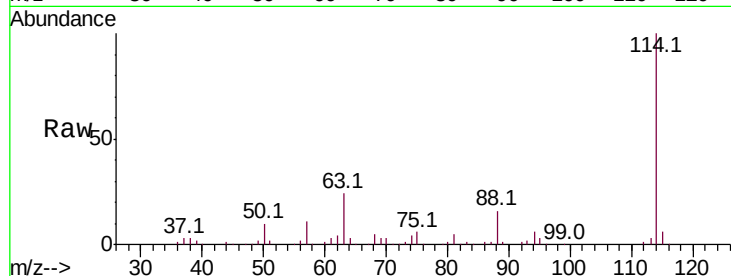




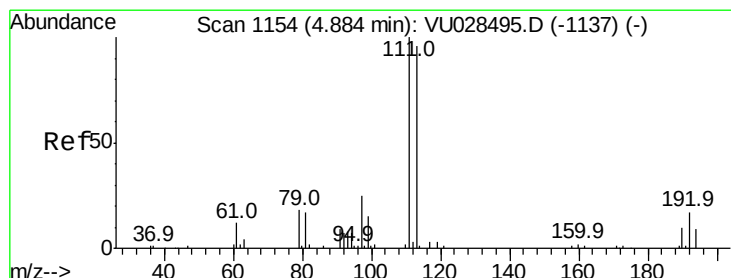
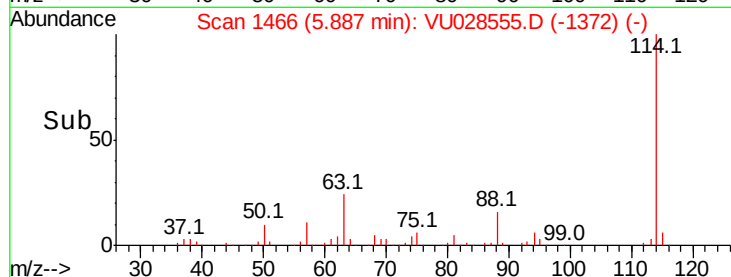
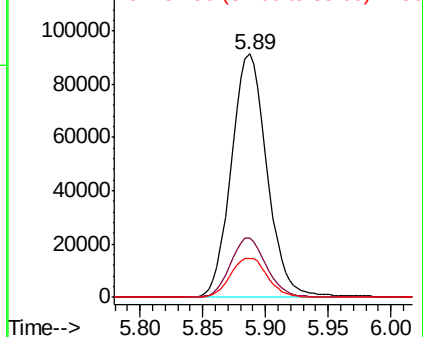
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028555.D
 Acq: 10 Dec 2018 16:46

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP02-20181206

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	49.2
88	16.1	0.0	33.4

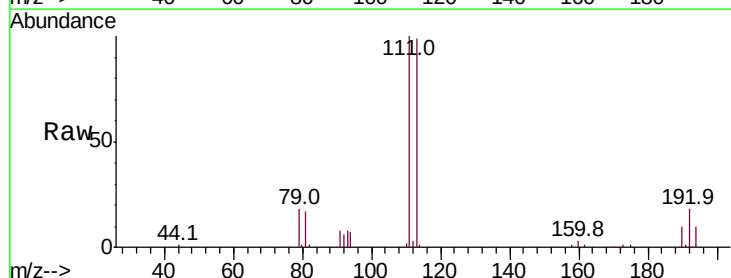


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

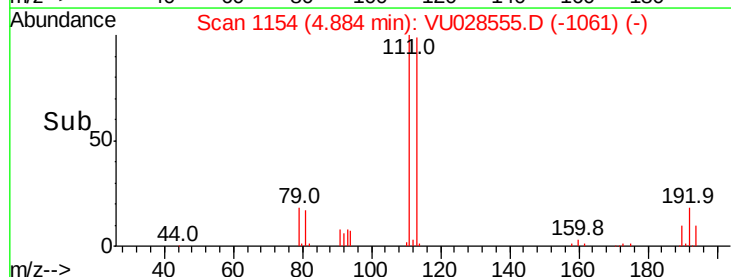
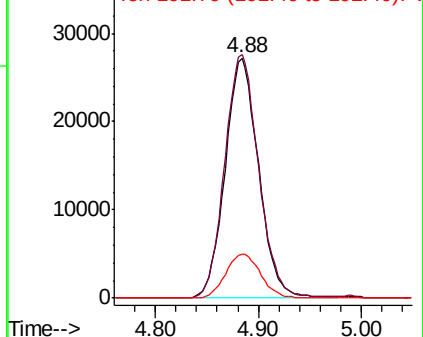


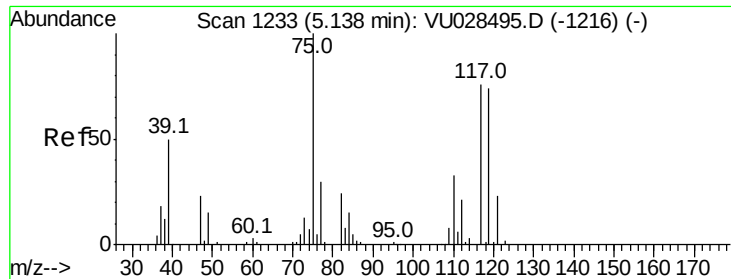
#35
 Dibromofluoromethane
 Concen: 54.184 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028555.D
 Acq: 10 Dec 2018 16:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.4	125.0
192	19.0	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: 4.205 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU028555.D

Acq: 10 Dec 2018 16:46

Instrument :

MSVOA_U

ClientSampleId :

DUP02-20181206

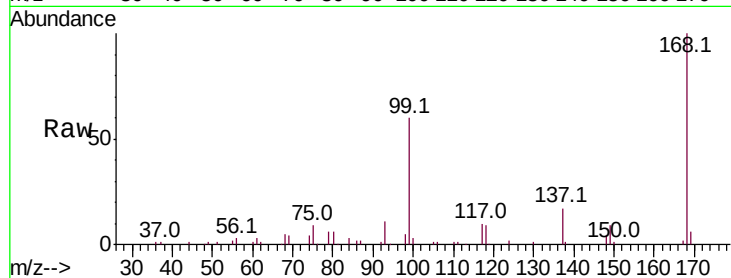
Tot Ion: 75 Resp: 8307

Ion Ratio Lower Upper

75 100

110 6.3 16.1 48.2#

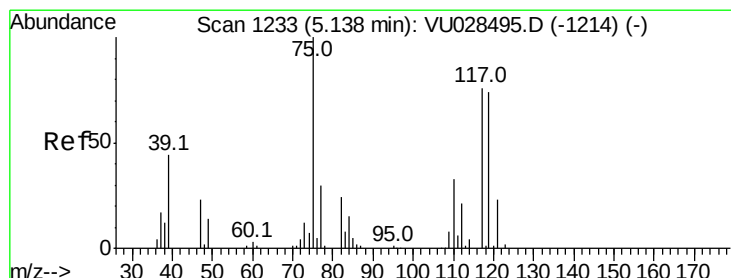
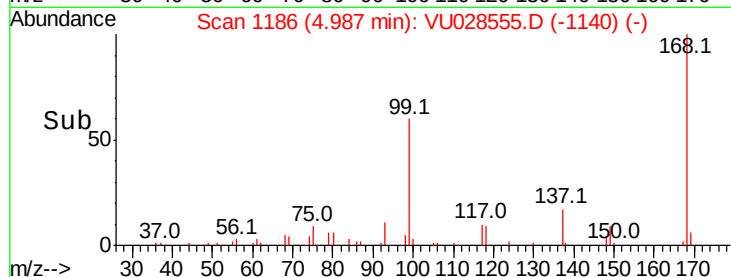
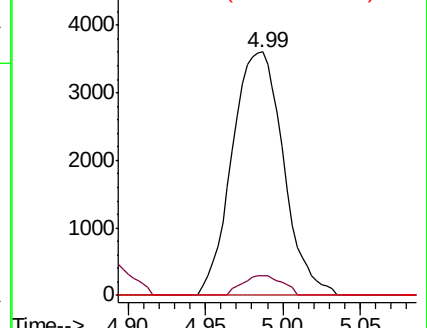
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-1216) (-)

Ion 109.90 (109.60 to 110.60): VU028495.D (-1216) (-)

Ion 76.90 (76.60 to 77.60): VU028495.D (-1216) (-)



#38

Carbon Tetrachloride

Concen: 5.779 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028555.D

Acq: 10 Dec 2018 16:46

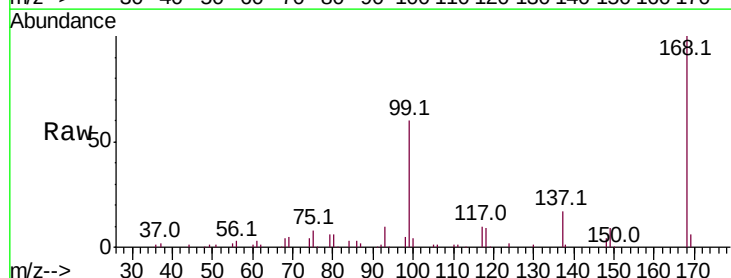
Tgt Ion: 117 Resp: 9202

Ion Ratio Lower Upper

117 100

119 3.4 77.6 116.4#

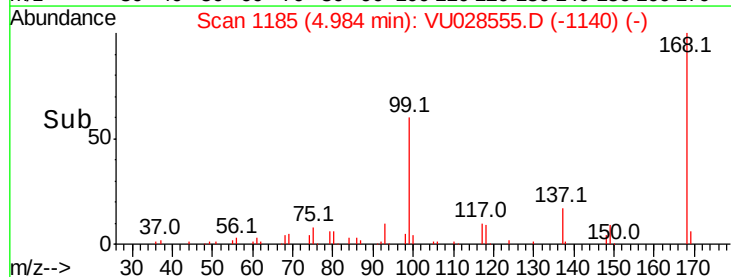
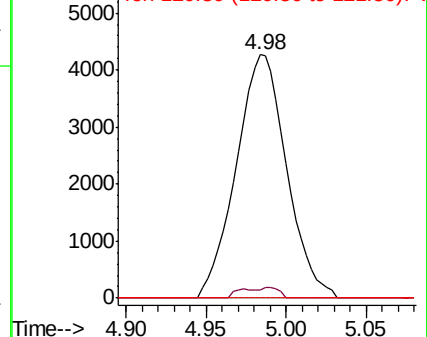
121 0.0 24.6 36.8#

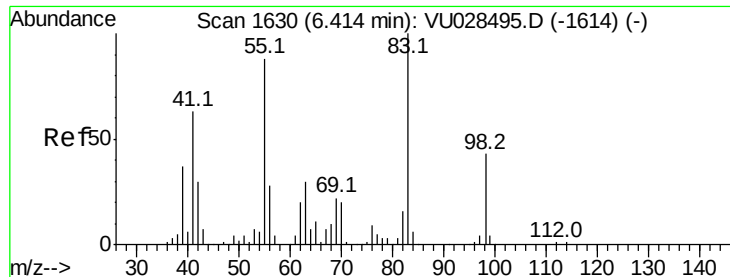


Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)

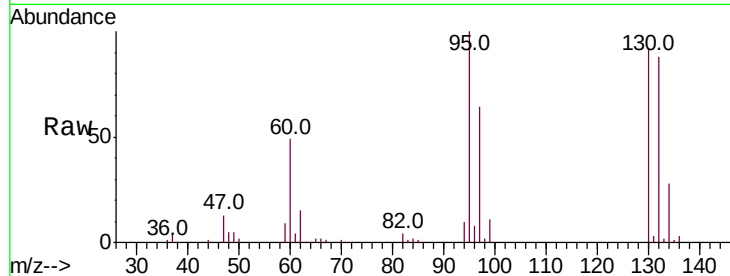




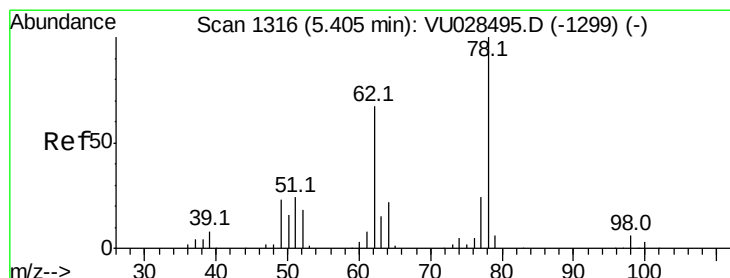
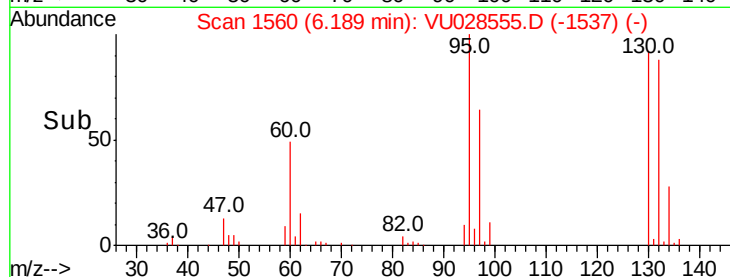
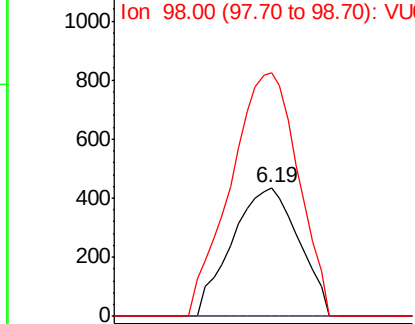
#39
Methylvlcyclohexane
Concen: 0.326 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. -0.23 min
Lab File: VU028555.D
Acq: 10 Dec 2018 16:46

Instrument :
MSVOA_U
ClientSampleId :
DUP02-20181206

Tot Ion: 83 Resp: 785
Ion Ratio Lower Upper
83 100
55 0.0 70.2 105.2#
98 189.4 34.2 51.4#

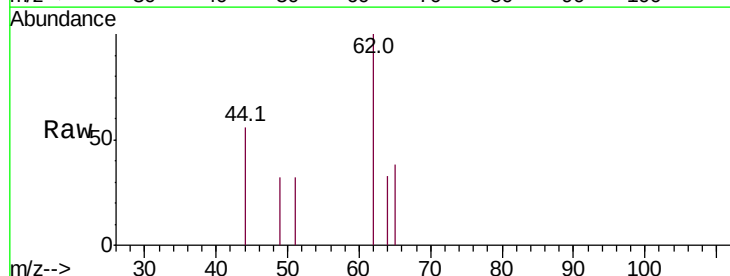


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

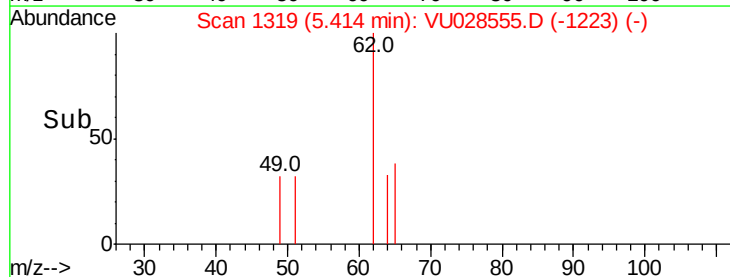
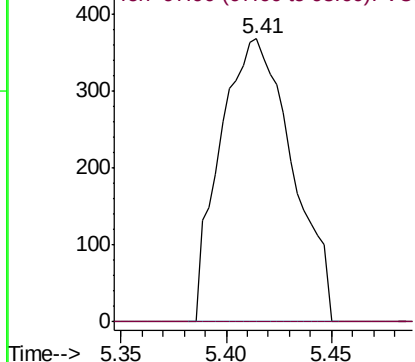


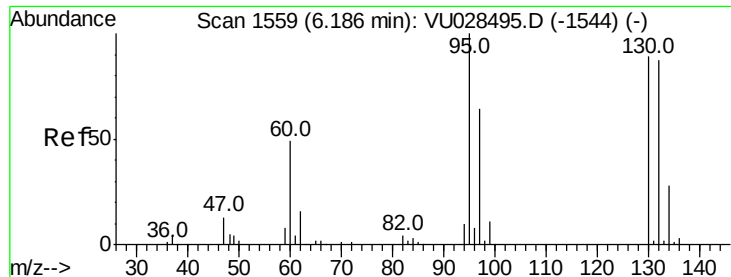
#42
1,2-Dichloroethane
Concen: 0.429 ug/l
RT: 5.41 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VU028555.D
Acq: 10 Dec 2018 16:46

Tgt Ion: 62 Resp: 873
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#44

Trichloroethene

Concen: 46.999 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028555.D

Acq: 10 Dec 2018 16:46

Instrument :

MSVOA_U

ClientSampleId :

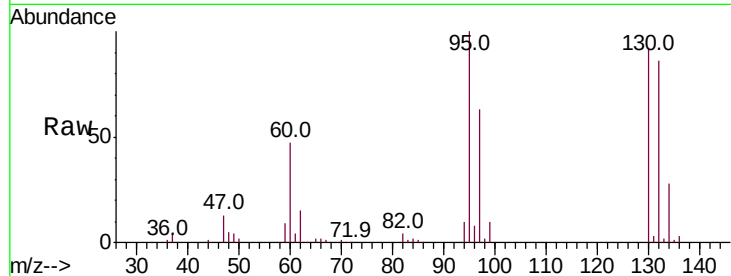
DUP02-20181206

Tot Ion:130 Resp: 60808

Ion Ratio Lower Upper

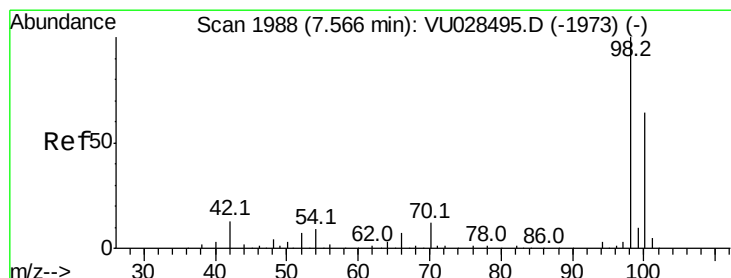
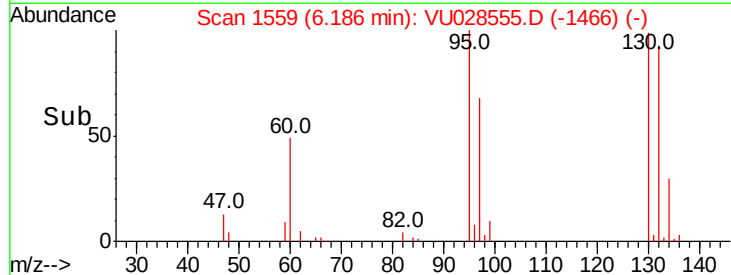
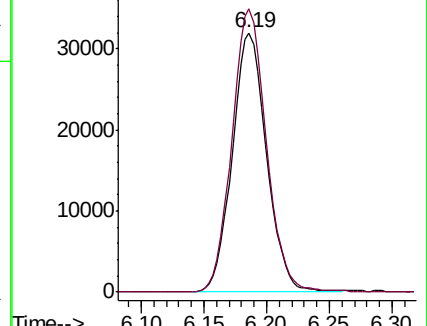
130 100

95 109.1 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028495.D (-1544) (-)



#50

Toluene-d8

Concen: 53.501 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028555.D

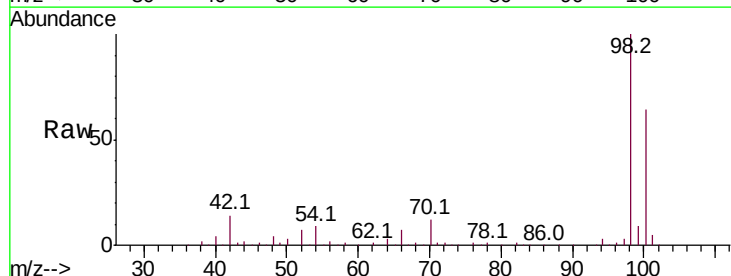
Acq: 10 Dec 2018 16:46

Tgt Ion: 98 Resp: 240468

Ion Ratio Lower Upper

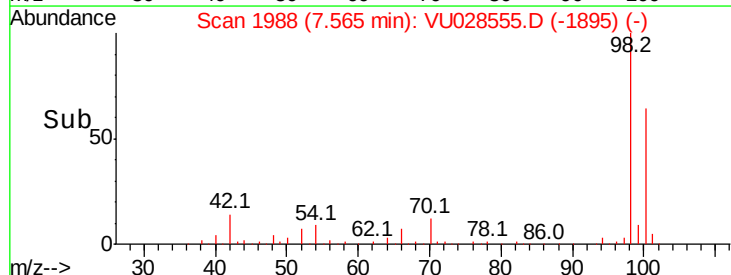
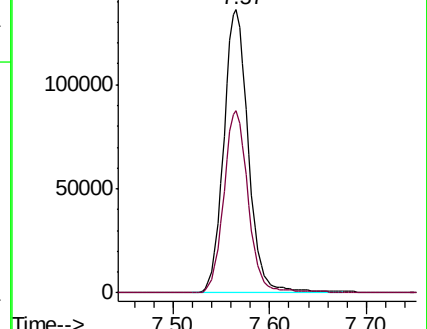
98 100

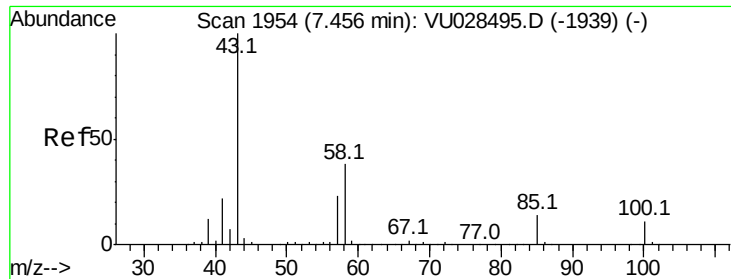
100 64.0 51.0 76.6



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

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





#51

4-Methyl-2-Pentanone

Concen: 0.444 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VU028555.D

Acq: 10 Dec 2018 16:46

Instrument :

MSVOA_U

ClientSampleId :

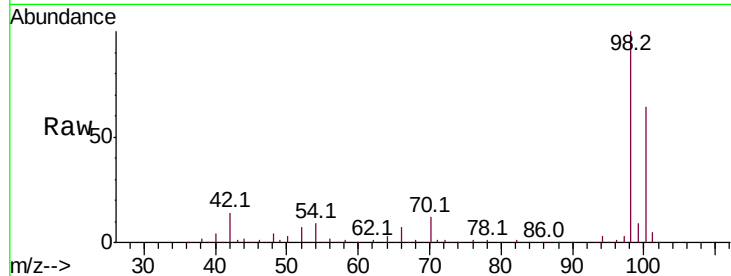
DUP02-20181206

Tot Ion: 43 Resp: 1131

Ion Ratio Lower Upper

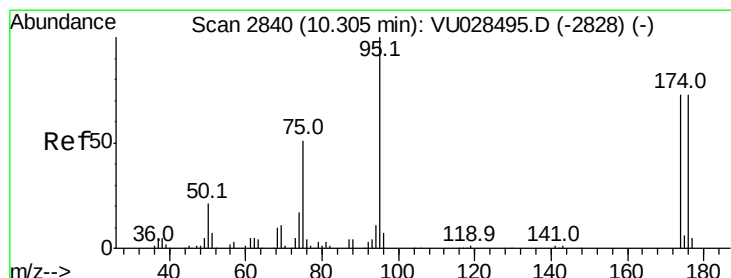
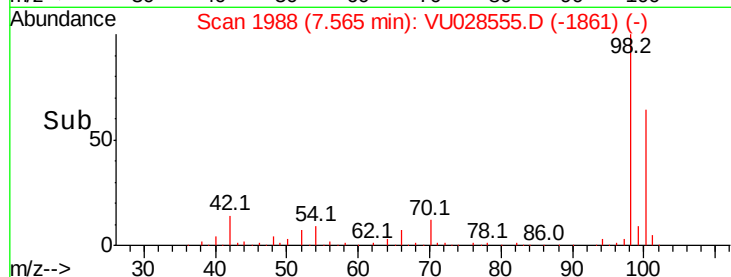
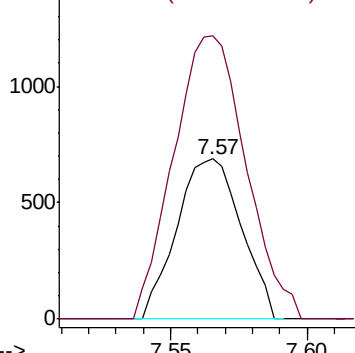
43 100

58 198.1 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 51.313 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028555.D

Acq: 10 Dec 2018 16:46

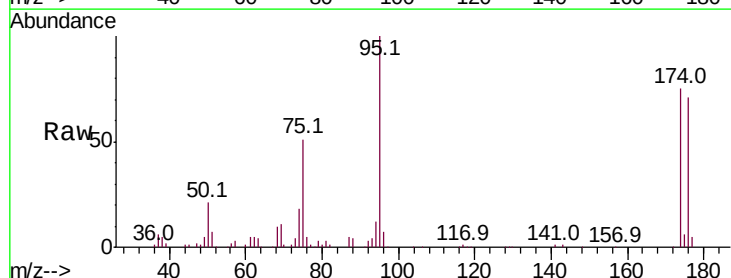
Tgt Ion: 95 Resp: 86201

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.4

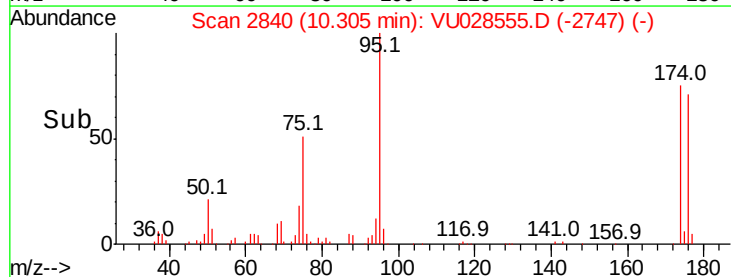
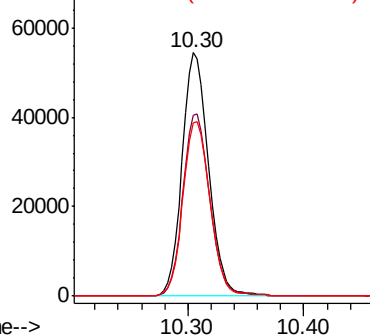
176 73.4 0.0 145.2

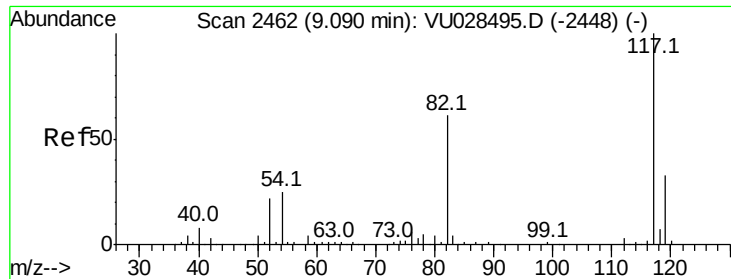


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

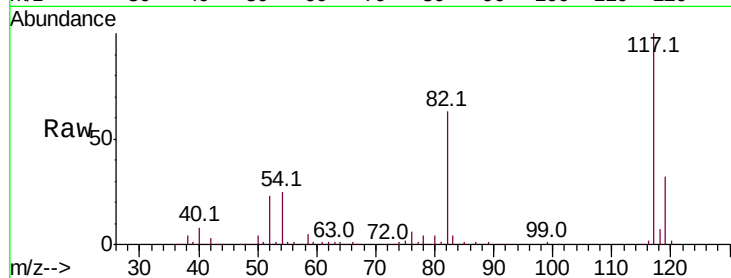




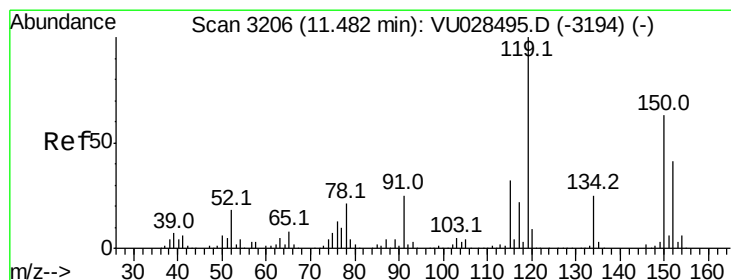
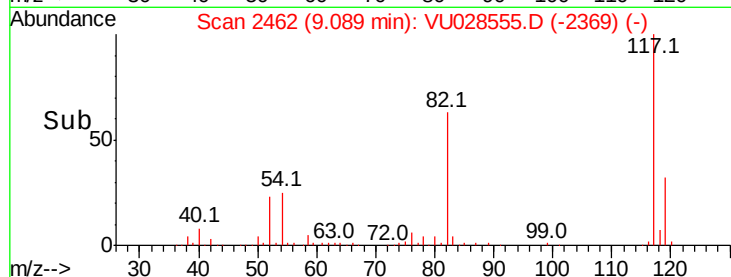
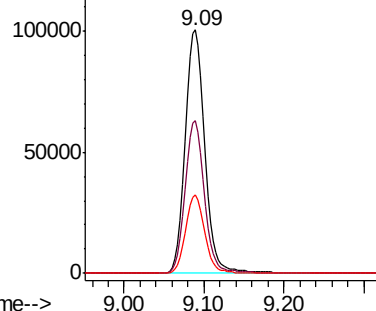
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028555.D
Acq: 10 Dec 2018 16:46

Instrument :
MSVOA_U
ClientSampleId :
DUP02-20181206

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.5	48.9	73.3
119	32.1	26.2	39.4

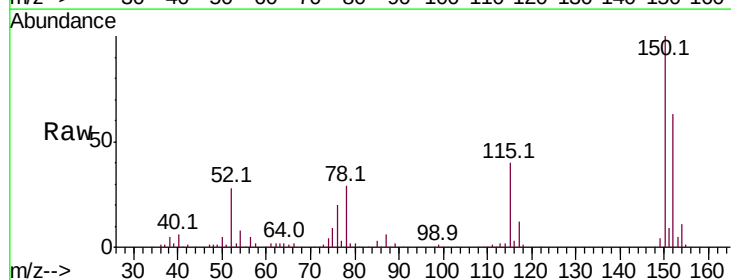


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

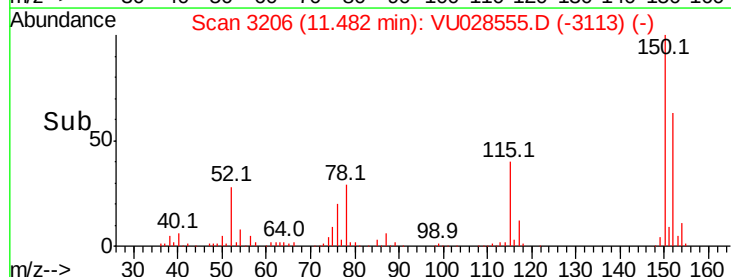
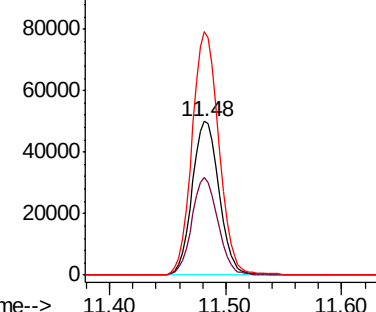


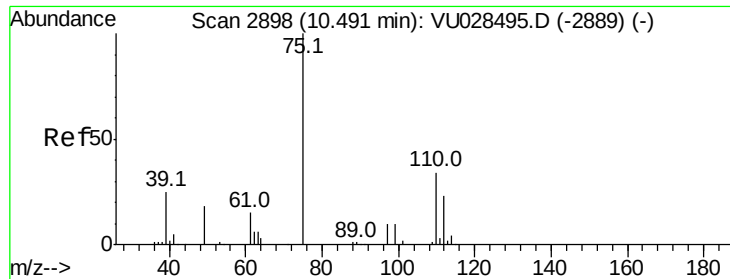
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028555.D
Acq: 10 Dec 2018 16:46

Tgt 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





#76

1,2,3-Trichloropropane

Concen: 22.178 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028555.D

Acq: 10 Dec 2018 16:46

Instrument :

MSVOA_U

ClientSampleId :

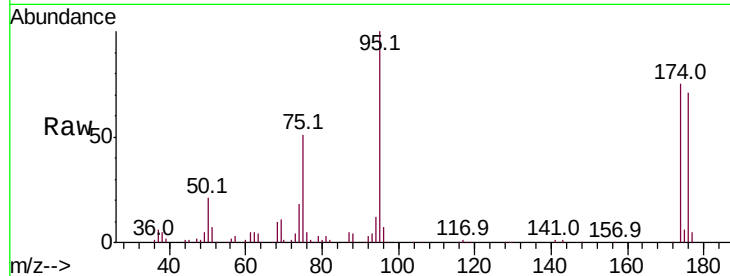
DUP02-20181206

Tot Ion: 75 Resp: 45634

Ion Ratio Lower Upper

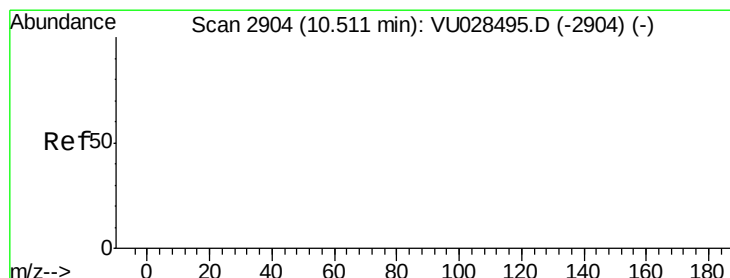
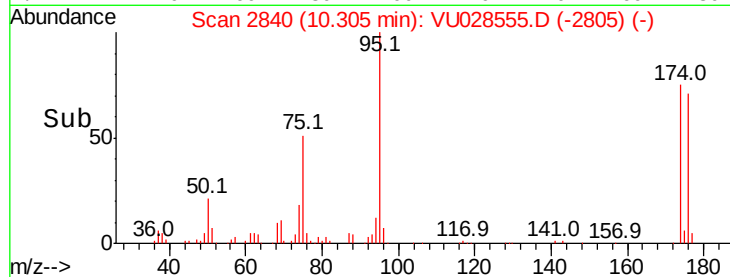
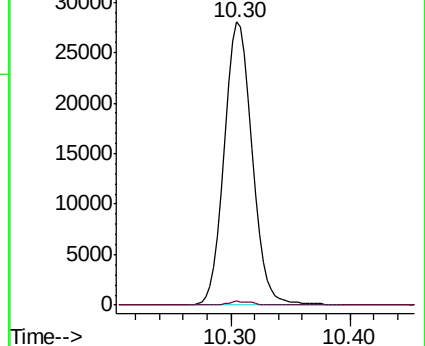
75 100

77 1.1 20.8 62.4#



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: 54.480 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028555.D

Acq: 10 Dec 2018 16:46

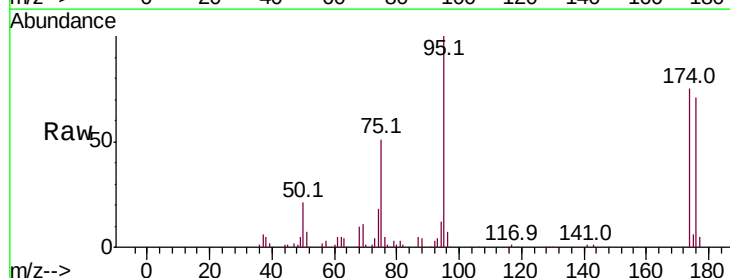
Tgt Ion: 75 Resp: 45634

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

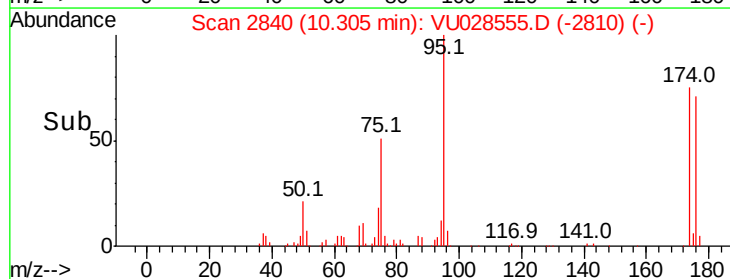
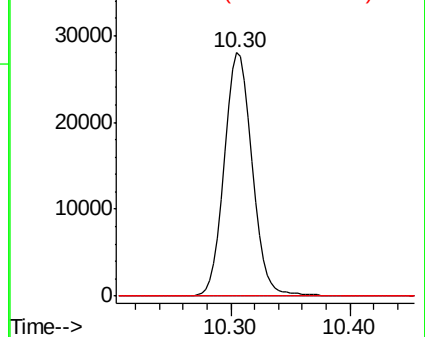
89 0.0 0.0 0.0

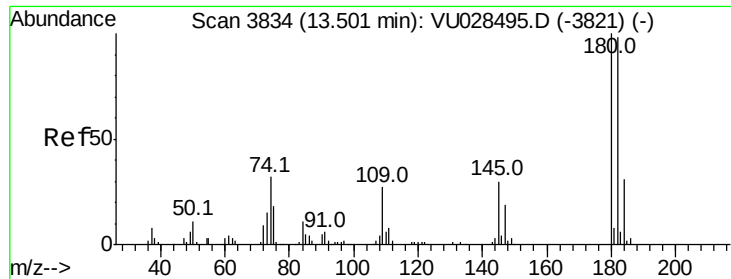


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#93
 1,2,4-Trichlorobenzene
 Concen: 0.855 ug/l
 RT: 13.52 min Scan# 3840
 Delta R.T. 0.02 min
 Lab File: VU028555.D
 Acq: 10 Dec 2018 16:46

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP02-20181206

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.9	143.8#
145	0.0	15.0	45.1#

