

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028619.D
 Acq On : 11 Dec 2018 20:02
 Operator : MD/SY
 Sample : J6325-06DL 4X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-125D3-20181204DL

Quant Time: Dec 12 04:12:55 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	85342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	155110	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	139633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	54760	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	72892	55.97	ug/l	0.00
Spiked Amount			Recovery	=	111.94%	
35) Dibromofluoromethane	4.88	113	53169	54.47	ug/l	0.00
Spiked Amount			Recovery	=	108.94%	
50) Toluene-d8	7.57	98	200243	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
62) 4-Bromofluorobenzene	10.30	95	66085	45.79	ug/l	0.00
Spiked Amount			Recovery	=	91.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1547	0.736	ug/l	98
4) Vinyl Chloride	1.29	62	1311	0.864	ug/l #	43
9) 1,1,2-Trichlorotrifluoroet	2.29	101	7424	7.774	ug/l	98
11) Tert butyl alcohol	2.84	59	259	0.893	ug/l #	73
16) Acetone	2.32	43	348	0.409	ug/l #	44
18) Methyl Acetate	2.62	43	573	0.260	ug/l #	56
27) cis-1,2-Dichloroethene	4.23	96	386	0.319	ug/l	91
31) Cyclohexane	4.99	56	2161	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7840	4.619	ug/l #	49
38) Carbon Tetrachloride	4.98	117	8611	6.294	ug/l #	14
39) Methylcyclohexane	6.18	83	471	0.227	ug/l #	1
44) Trichloroethene	6.19	130	40076	36.055	ug/l	99
51) 4-Methyl-2-Pentanone	7.57	43	1170	0.535	ug/l #	1
60) Dibromochloromethane	8.23	129	681	0.598	ug/l #	10
64) Tetrachloroethene	8.23	164	638	0.685	ug/l #	88
76) 1,2,3-Trichloropropane	10.30	75	34991	25.024	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	34991	61.405	ug/l #	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

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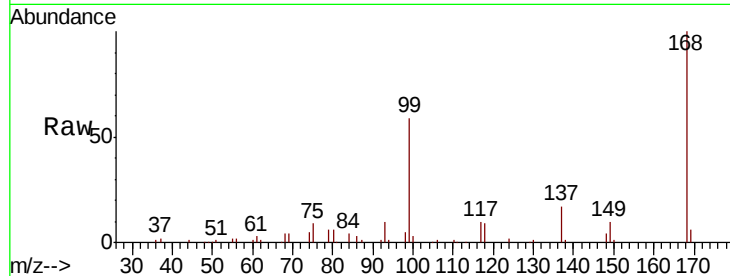
RE-125D3-20181204DL

Tot Ion:168 Resp: 85342

Ion Ratio Lower Upper

168 100

99 59.2 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

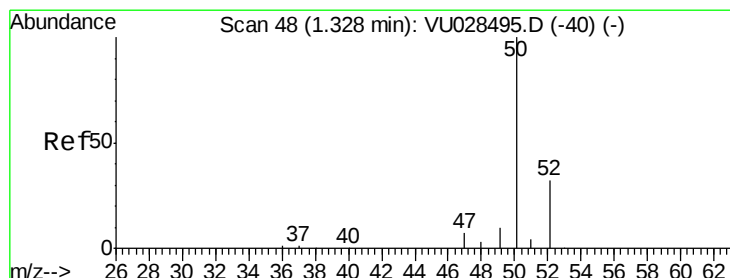
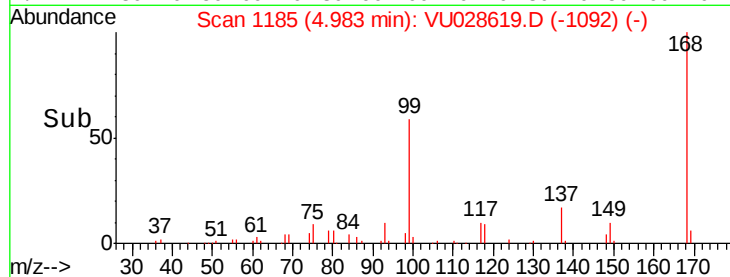
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#3

Chloromethane

Concen: 0.736 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028619.D

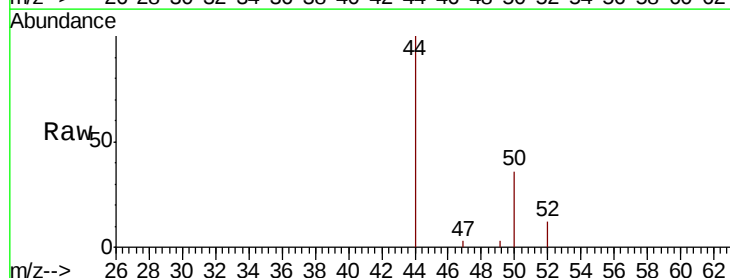
Acq: 11 Dec 2018 20:02

Tgt Ion: 50 Resp: 1547

Ion Ratio Lower Upper

50 100

52 32.8 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

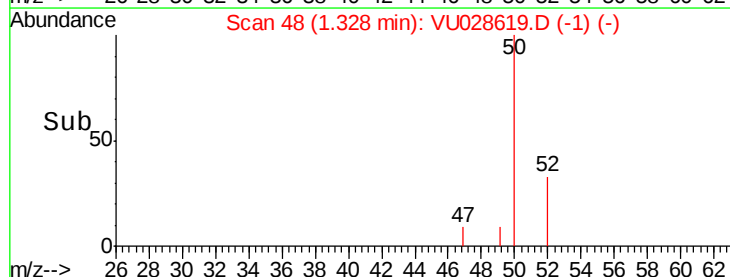
1000

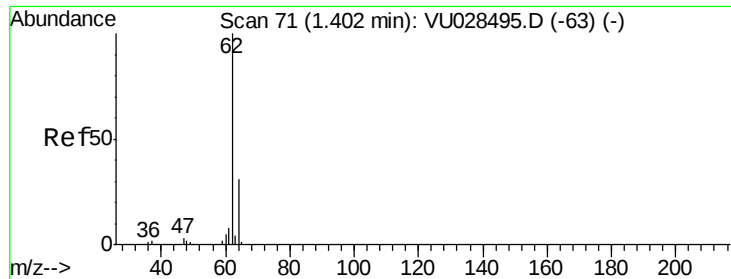
500

0

1.30 1.32 1.34 1.36

Time-->





#4

Vinyl Chloride

Concen: 0.864 ug/l

RT: 1.29 min Scan# 35

Delta R.T. -0.12 min

Lab File: VU028619.D

Acq: 11 Dec 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

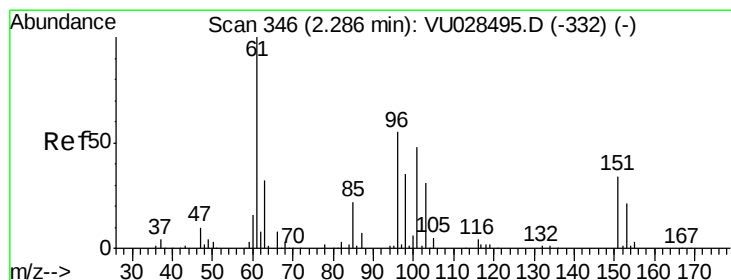
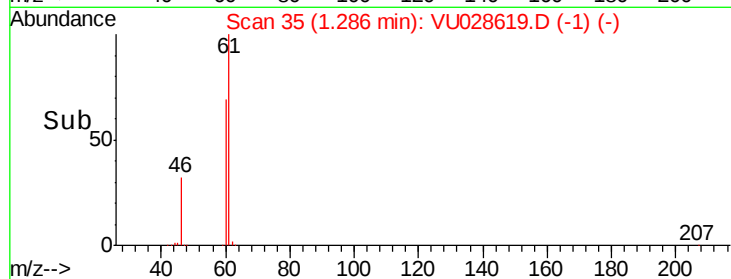
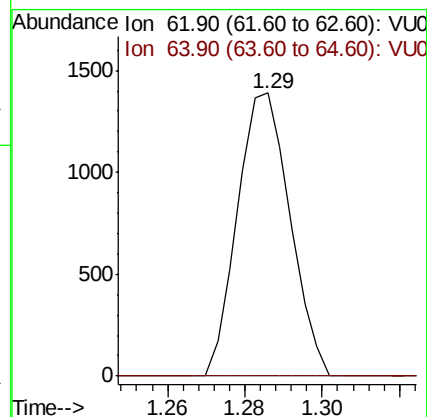
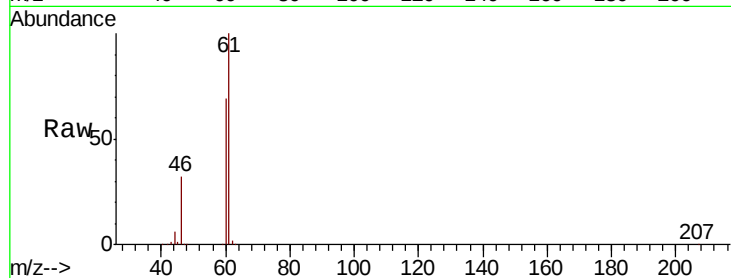
RE-125D3-20181204DL

Tot Ion: 62 Resp: 1311

Ion Ratio Lower Upper

62 100

64 0.0 25.1 37.7#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 7.774 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028619.D

Acq: 11 Dec 2018 20:02

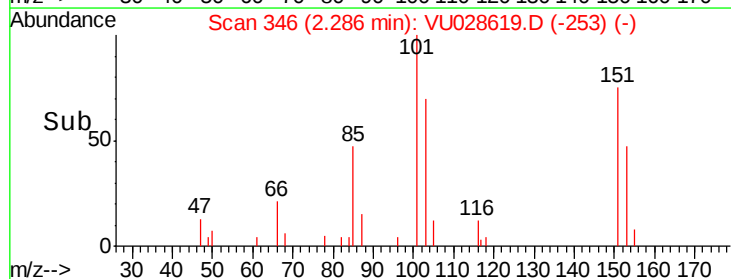
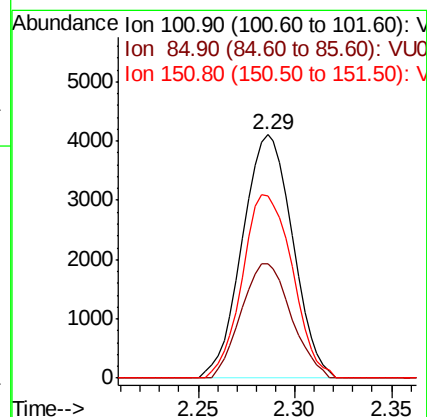
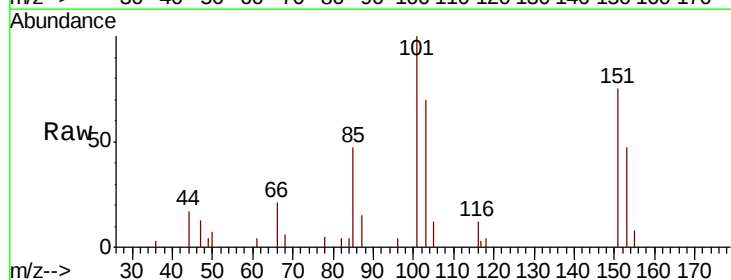
Tgt Ion: 101 Resp: 7424

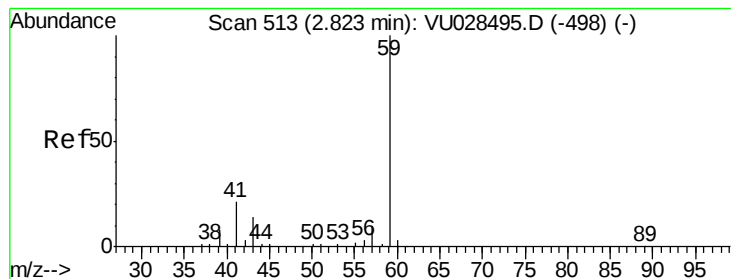
Ion Ratio Lower Upper

101 100

85 46.7 36.4 54.6

151 75.1 58.2 87.2



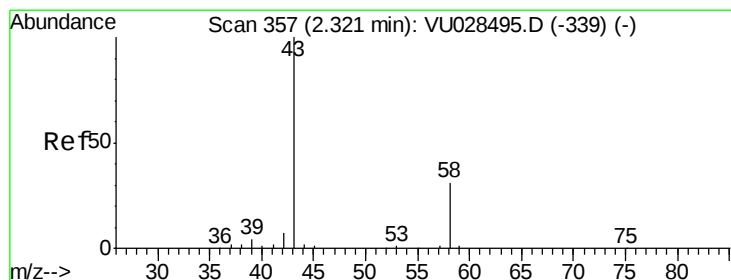
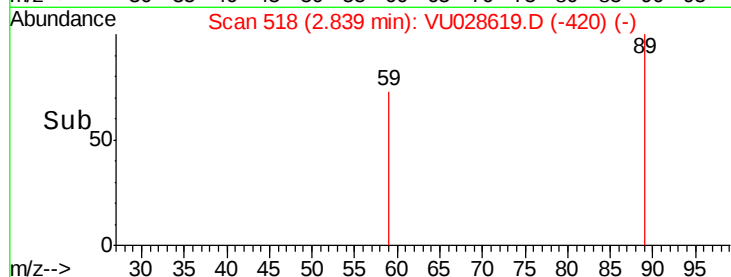
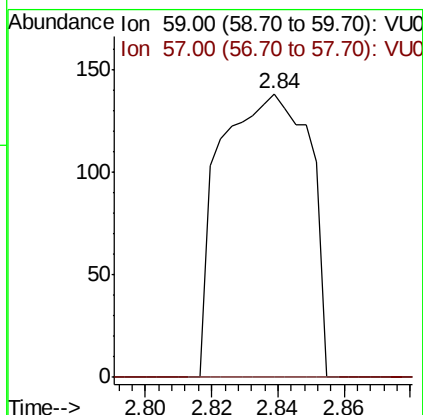
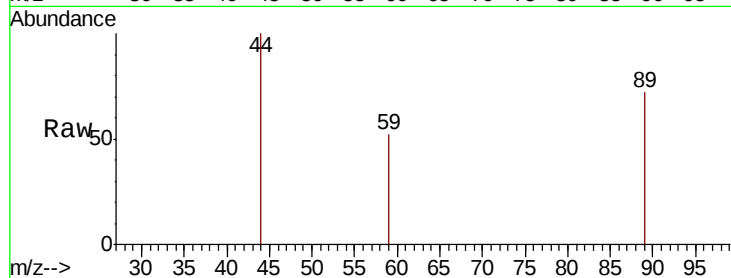


#11

Tert butyl alcohol
 Concen: 0.893 ug/l
 RT: 2.84 min Scan# 518
 Delta R.T. 0.02 min
 Lab File: VU028619.D
 Acq: 11 Dec 2018 20:02

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-125D3-20181204DL

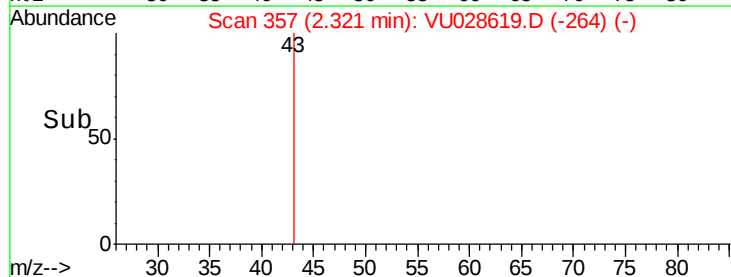
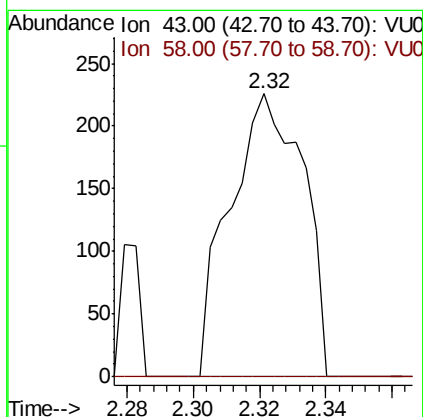
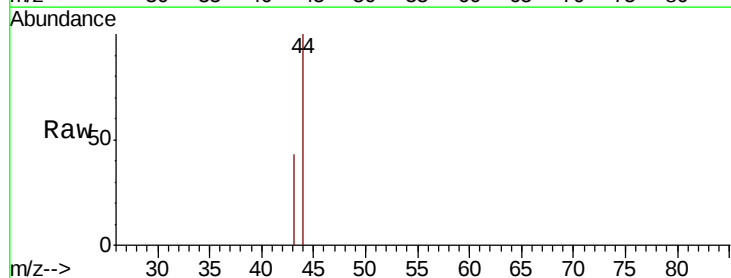
Tot Ion: 59 Resp: 259
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

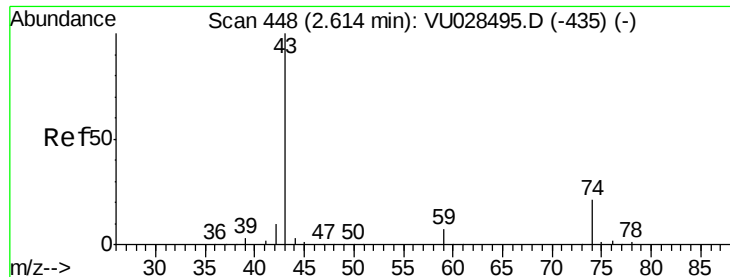


#16

Acetone
 Concen: 0.409 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU028619.D
 Acq: 11 Dec 2018 20:02

Tgt Ion: 43 Resp: 348
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.6 37.0#

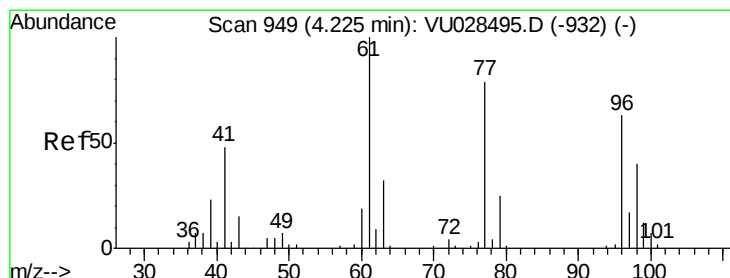
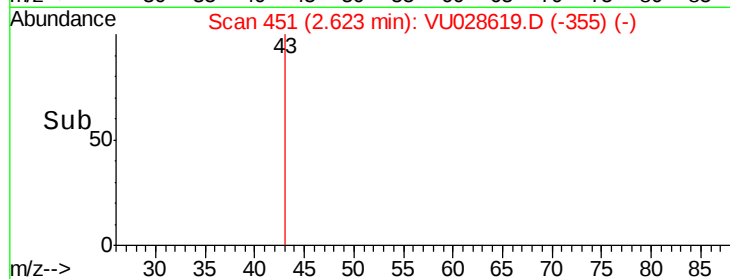
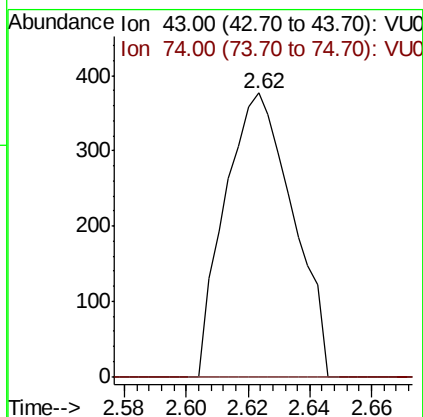
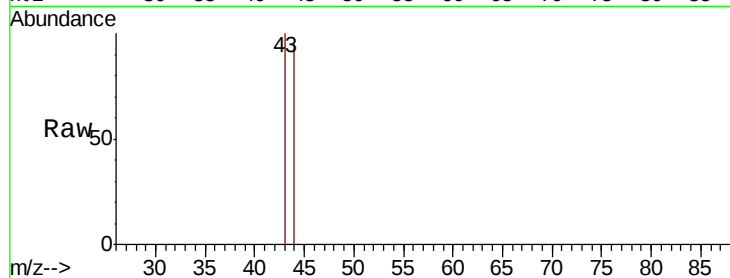




#18
Methyl Acetate
Concen: 0.260 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU028619.D
Acq: 11 Dec 2018 20:02

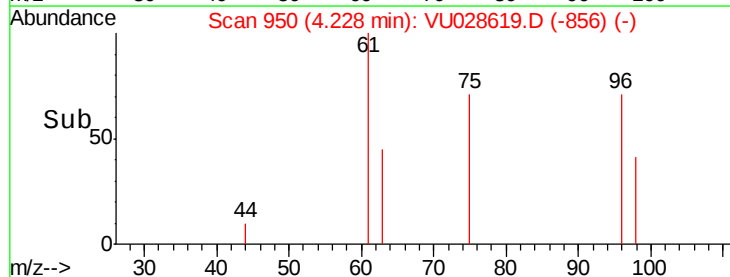
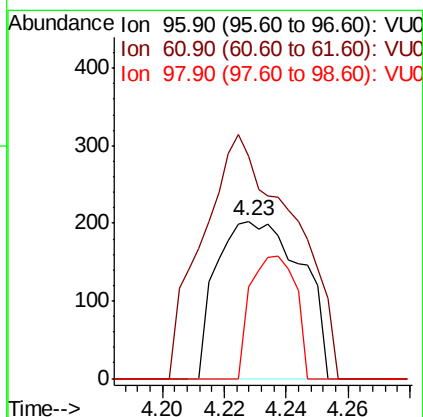
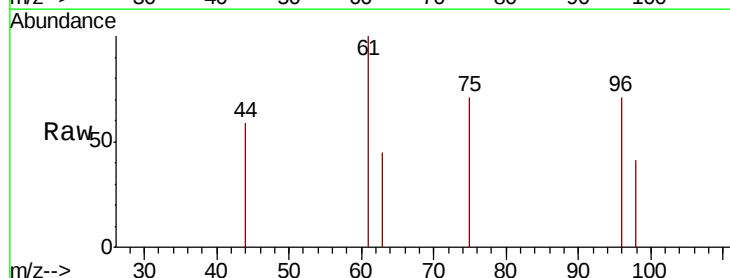
Instrument :
MSVOA_U
ClientSampleId :
RE-125D3-20181204DL

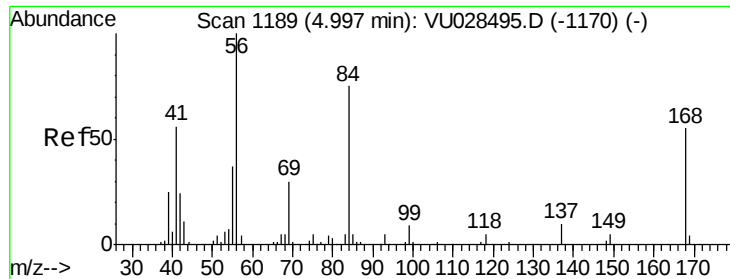
Tot Ion: 43 Resp: 573
Ion Ratio Lower Upper
43 100
74 0.0 16.4 24.6#



#27
cis-1,2-Dichloroethene
Concen: 0.319 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028619.D
Acq: 11 Dec 2018 20:02

Tgt Ion: 96 Resp: 386
Ion Ratio Lower Upper
96 100
61 165.5 0.0 332.4
98 41.2 0.0 129.0

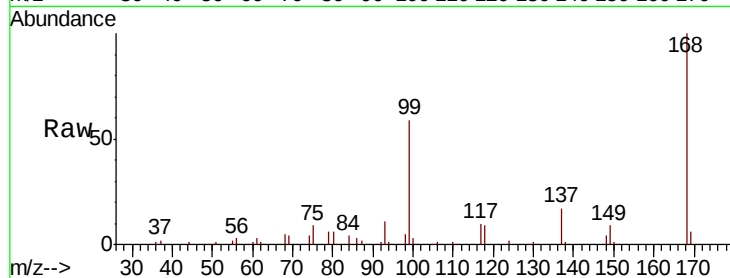




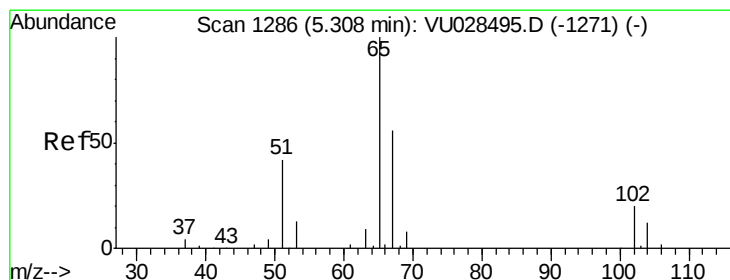
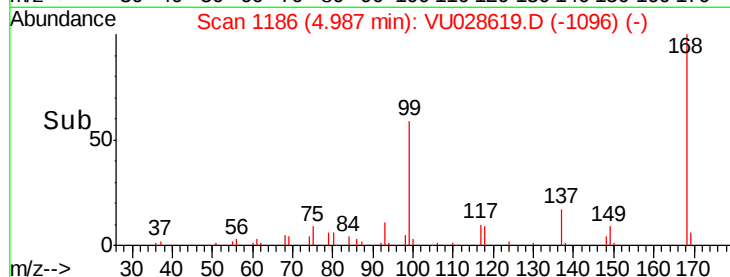
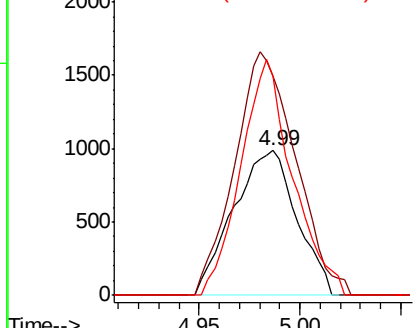
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU028619.D
Acq: 11 Dec 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
RE-125D3-20181204DL

Tot Ion: 56 Resp: 2161
Ion Ratio Lower Upper
56 100
69 150.9 24.0 36.0#
84 151.6 59.7 89.5#

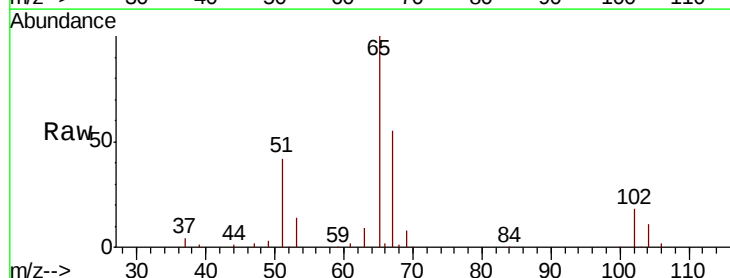


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

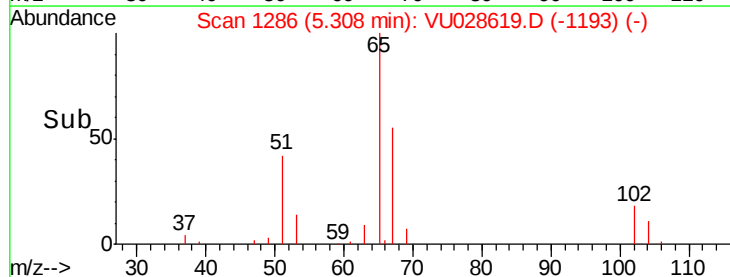
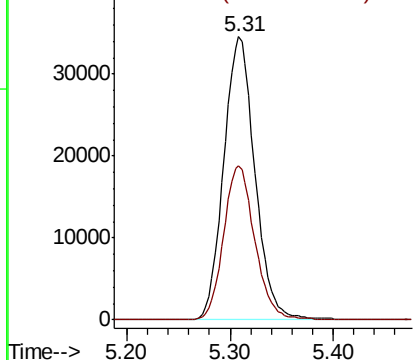


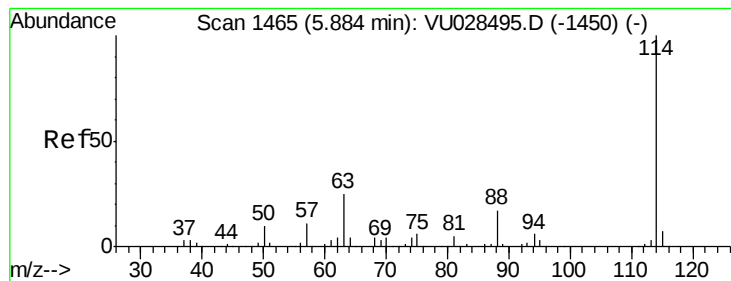
#33
1,2-Dichloroethane-d4
Concen: 55.969 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028619.D
Acq: 11 Dec 2018 20:02

Tgt Ion: 65 Resp: 72892
Ion Ratio Lower Upper
65 100
67 54.3 0.0 110.6



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: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028619.D

Acq: 11 Dec 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

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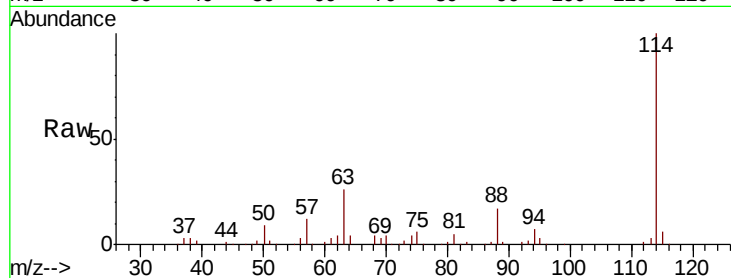
Tot Ion:114 Resp: 155110

Ion Ratio Lower Upper

114 100

63 25.6 0.0 49.2

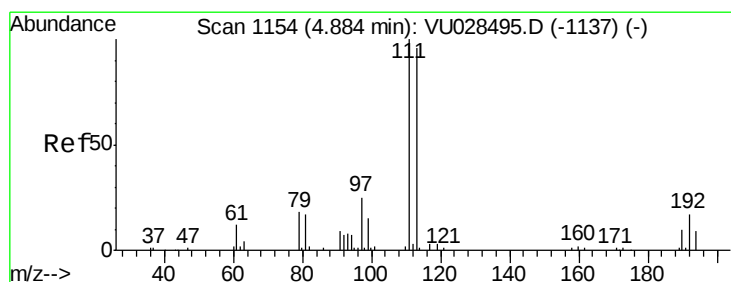
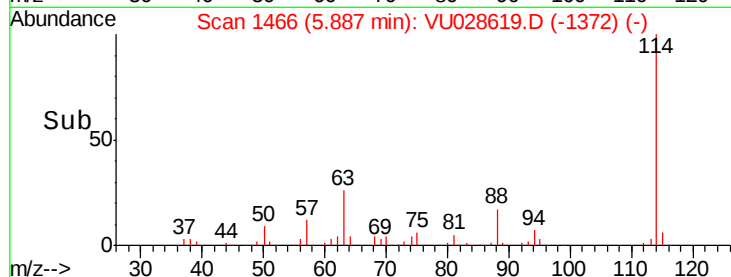
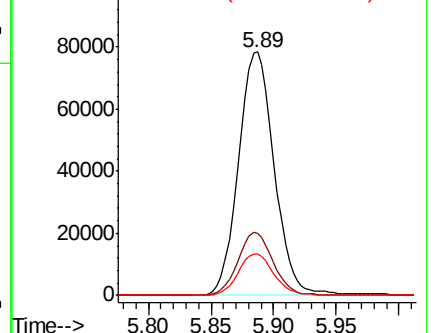
88 17.0 0.0 33.4



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: 54.470 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028619.D

Acq: 11 Dec 2018 20:02

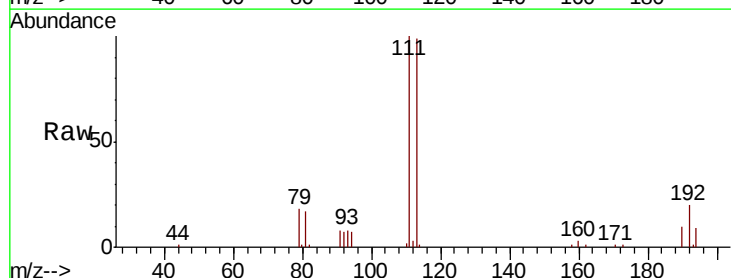
Tgt Ion:113 Resp: 53169

Ion Ratio Lower Upper

113 100

111 104.0 83.4 125.0

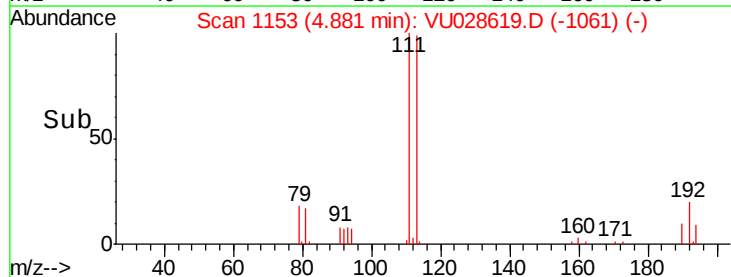
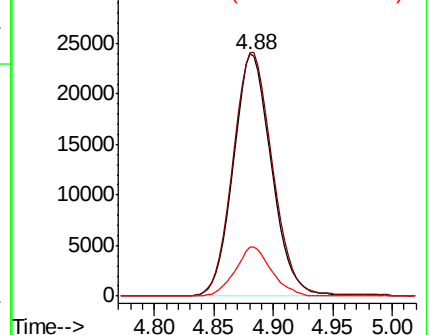
192 19.1 14.8 22.2

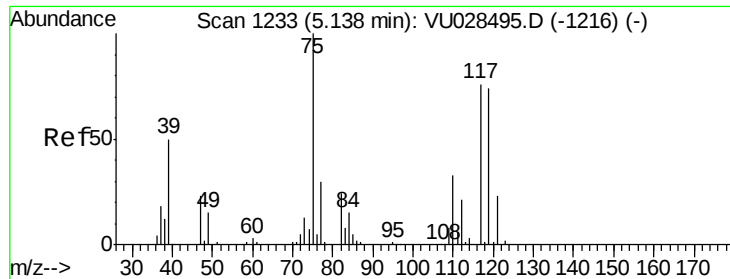


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.619 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028619.D

Acq: 11 Dec 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

RE-125D3-20181204DL

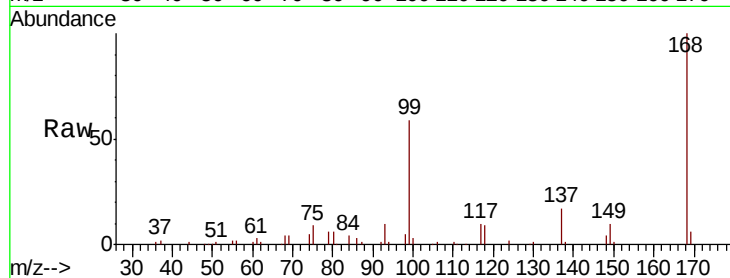
Tot Ion: 75 Resp: 7840

Ion Ratio Lower Upper

75 100

110 6.5 16.1 48.2#

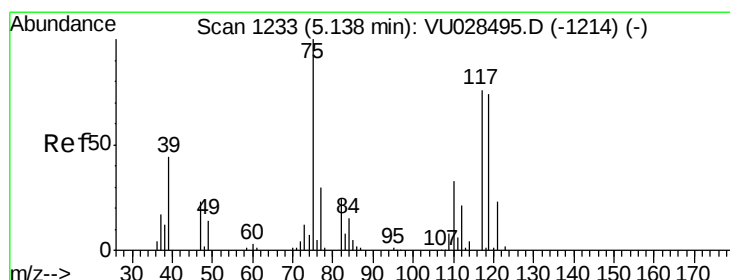
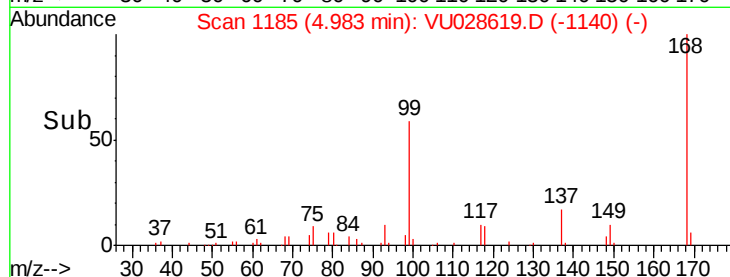
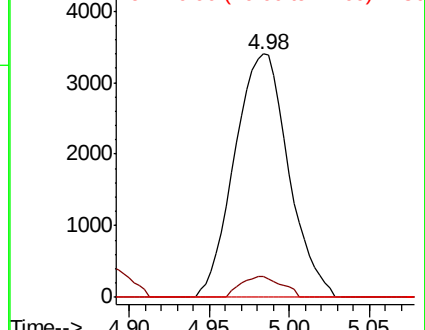
77 0.0 24.5 36.7#



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: 6.294 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028619.D

Acq: 11 Dec 2018 20:02

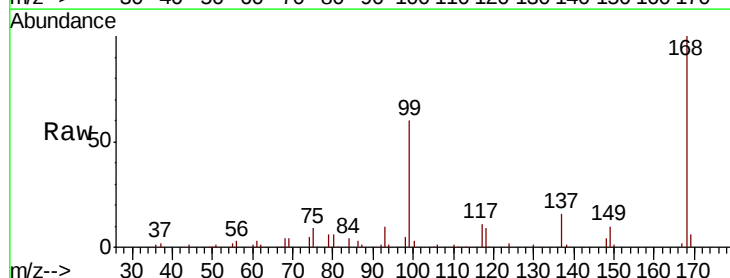
Tgt Ion: 117 Resp: 8611

Ion Ratio Lower Upper

117 100

119 2.5 77.6 116.4#

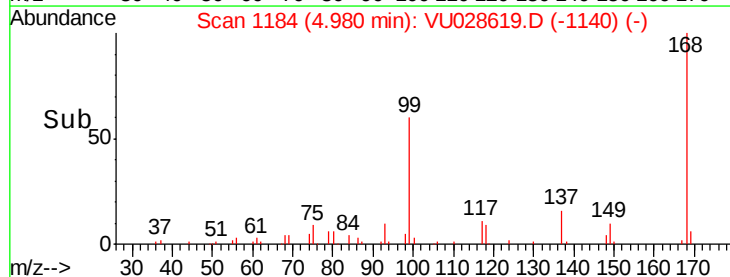
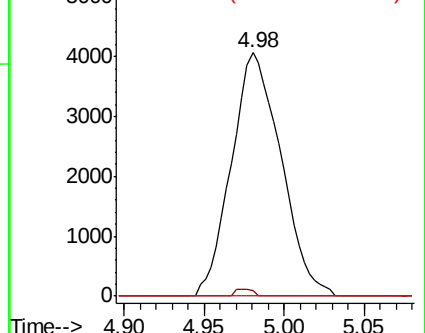
121 0.0 24.6 36.8#

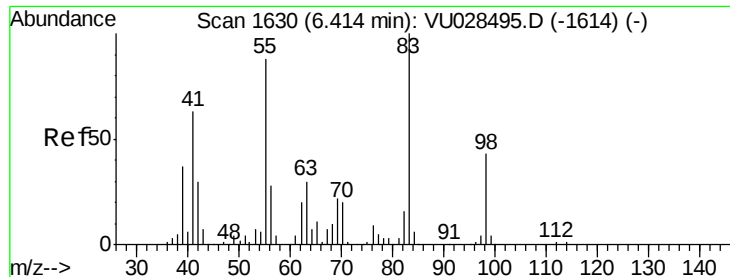


Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1216) (-)

Ion 118.80 (118.50 to 119.50): VU028495.D (-1216) (-)

Ion 120.80 (120.50 to 121.50): VU028495.D (-1216) (-)





#39

Methylcyclohexane

Concen: 0.227 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.23 min

Lab File: VU028619.D

Acq: 11 Dec 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

RE-125D3-20181204DL

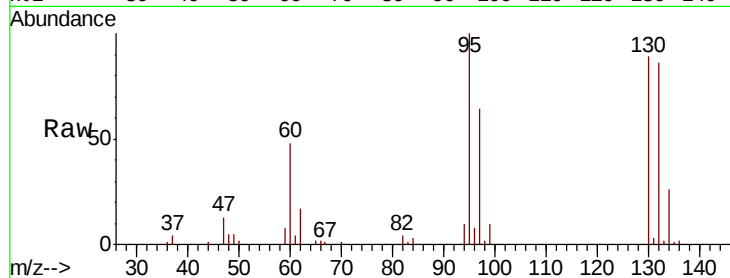
Tot Ion: 83 Resp: 471

Ion Ratio Lower Upper

83 100

55 0.0 70.2 105.2#

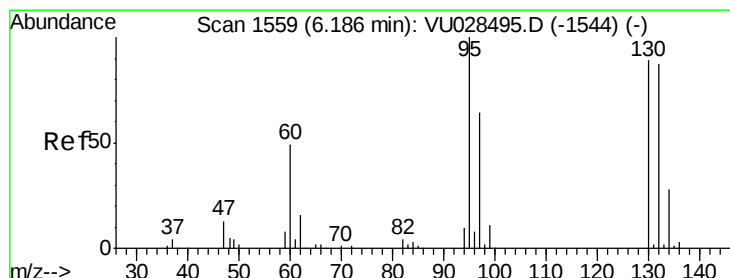
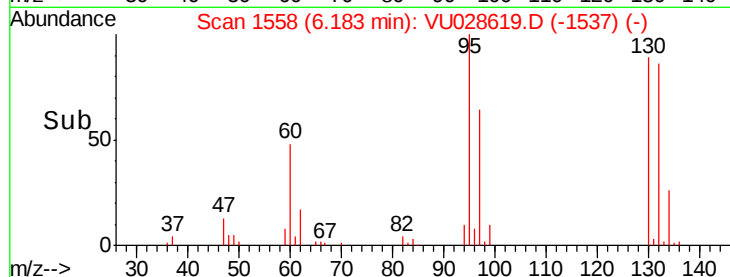
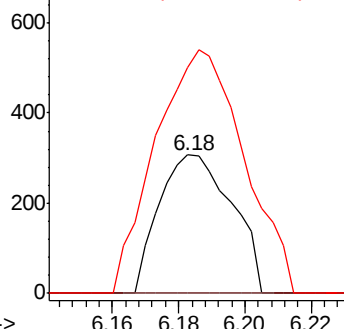
98 129.0 34.2 51.4#



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



#44

Trichloroethene

Concen: 36.055 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028619.D

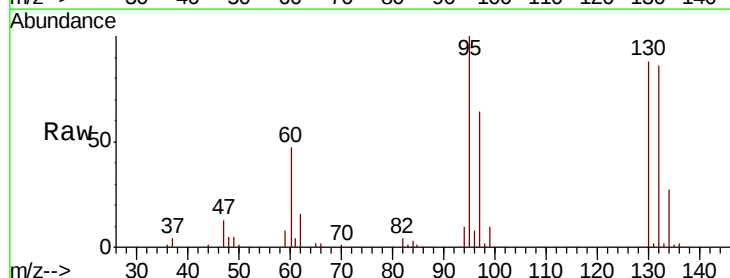
Acq: 11 Dec 2018 20:02

Tgt Ion:130 Resp: 40076

Ion Ratio Lower Upper

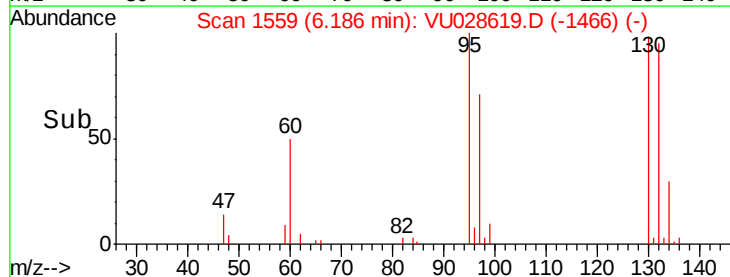
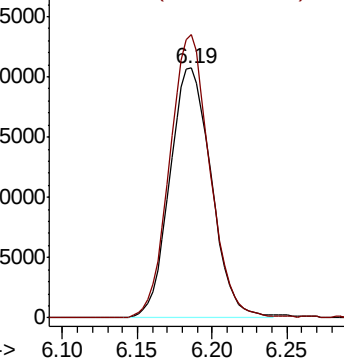
130 100

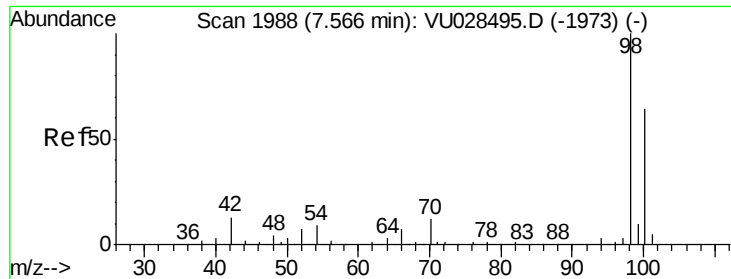
95 113.3 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 51.858 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028619.D

Acq: 11 Dec 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

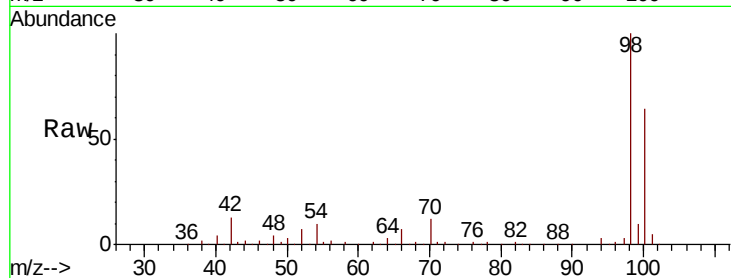
RE-125D3-20181204DL

Tot Ion: 98 Resp: 200243

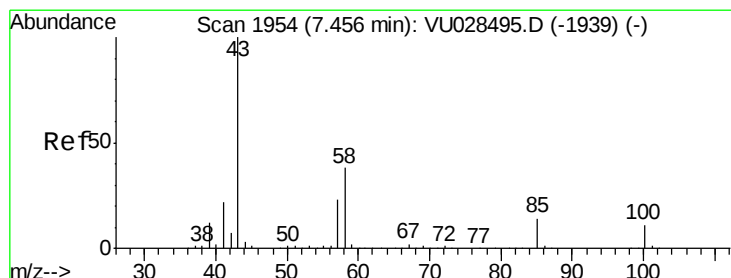
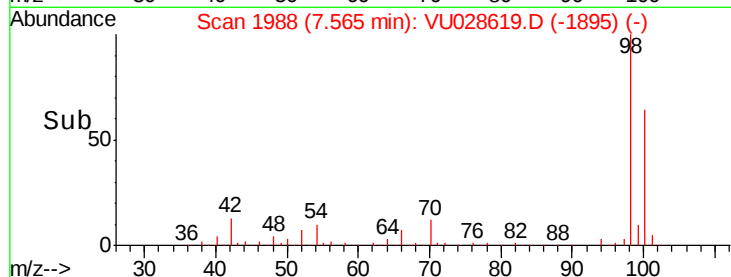
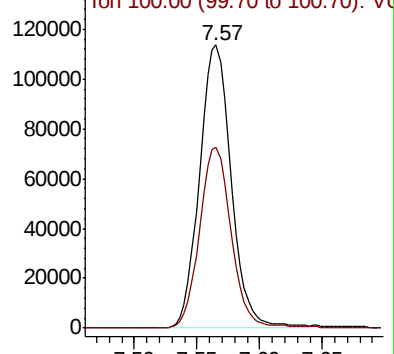
Ion Ratio Lower Upper

98 100

100 64.4 51.0 76.6



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



#51

4-Methyl-2-Pentanone

Concen: 0.535 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VU028619.D

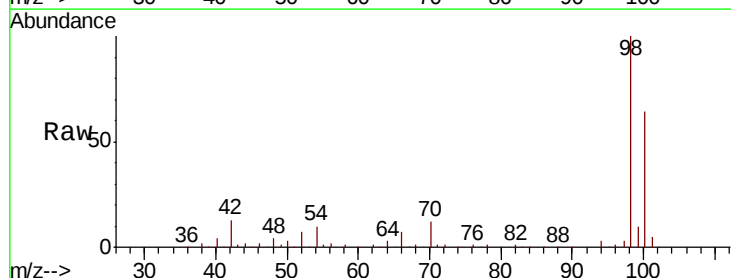
Acq: 11 Dec 2018 20:02

Tgt Ion: 43 Resp: 1170

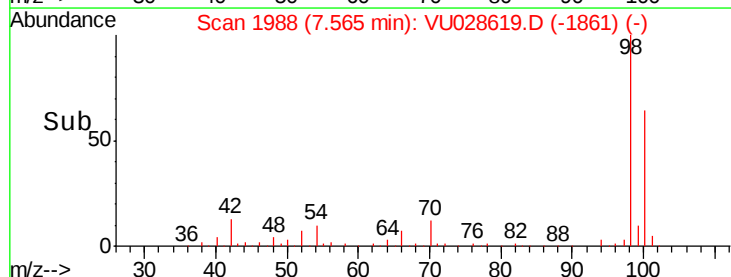
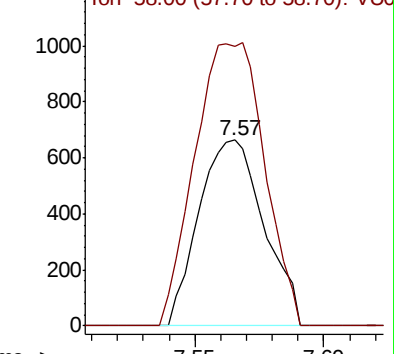
Ion Ratio Lower Upper

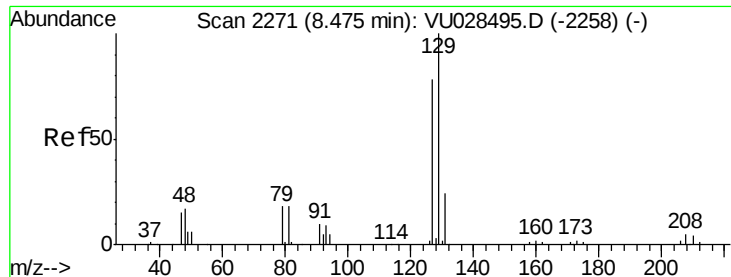
43 100

58 162.5 30.2 45.2#



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





#60

Dibromochloromethane

Concen: 0.598 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028619.D

Acq: 11 Dec 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

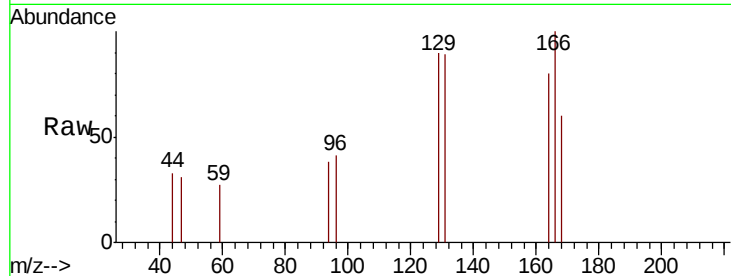
RE-125D3-20181204DL

Tot Ion:129 Resp: 681

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.23

400

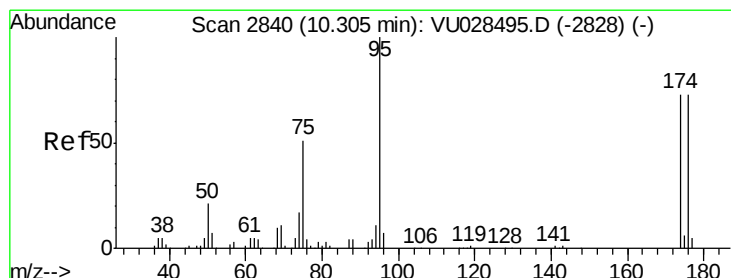
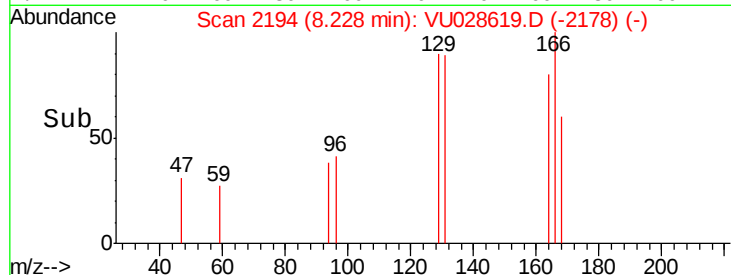
300

200

100

0

Time--> 8.18 8.20 8.22 8.24 8.26



#62

4-Bromofluorobenzene

Concen: 45.790 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028619.D

Acq: 11 Dec 2018 20:02

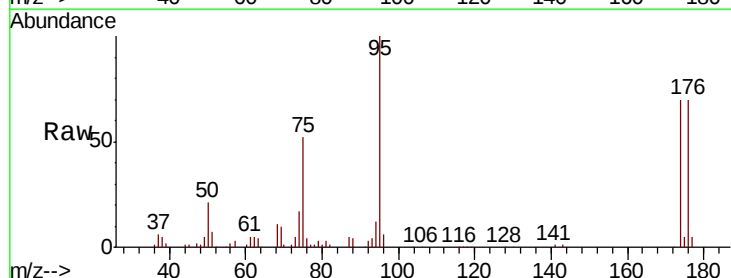
Tgt Ion: 95 Resp: 66085

Ion Ratio Lower Upper

95 100

174 73.0 0.0 150.4

176 72.7 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

50000

40000

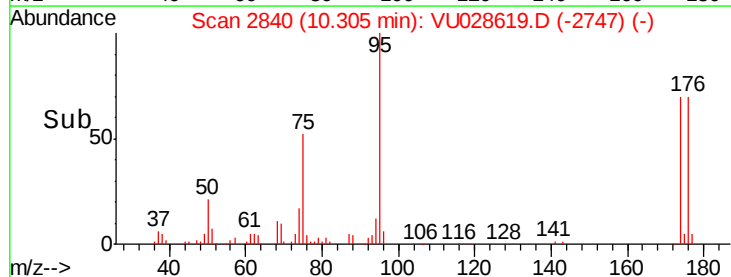
30000

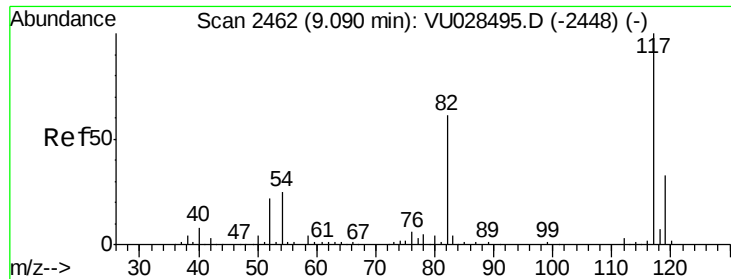
20000

10000

0

Time--> 10.25 10.30 10.35 10.40

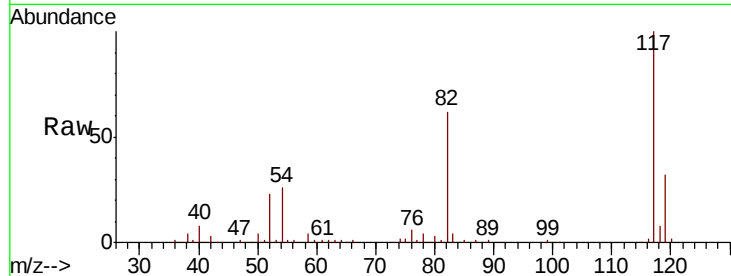




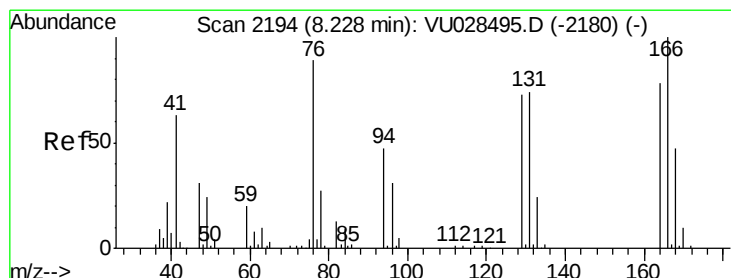
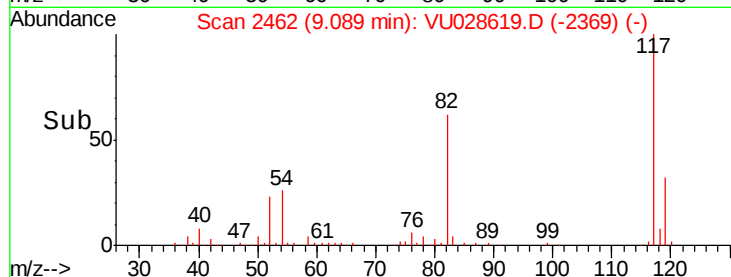
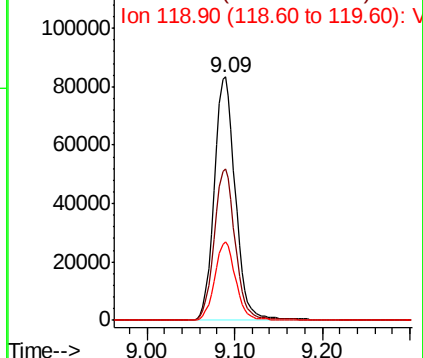
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028619.D
Acq: 11 Dec 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
RE-125D3-20181204DL

Tot Ion:117 Resp: 139633
Ion Ratio Lower Upper
117 100
82 62.5 48.9 73.3
119 32.3 26.2 39.4

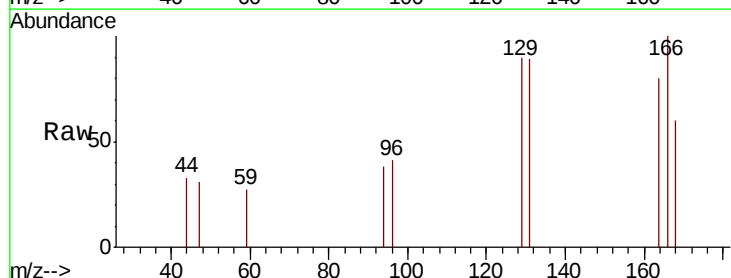


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

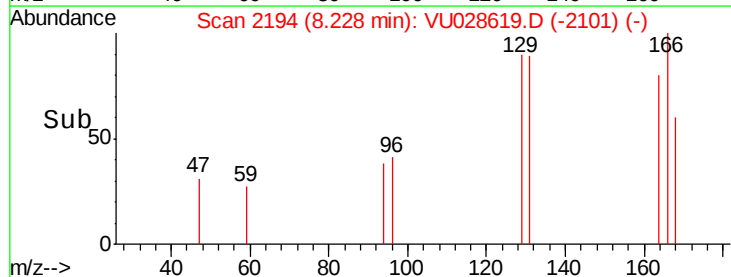
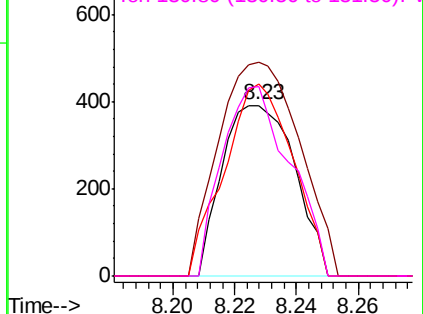


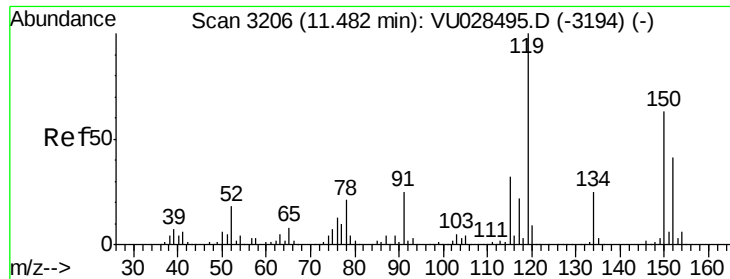
#64
Tetrachloroethene
Concen: 0.685 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028619.D
Acq: 11 Dec 2018 20:02

Tgt Ion:164 Resp: 638
Ion Ratio Lower Upper
164 100
166 125.3 101.9 152.9
129 112.8 74.9 112.3#
131 111.3 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: VU028619.D

Acq: 11 Dec 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

RE-125D3-20181204DL

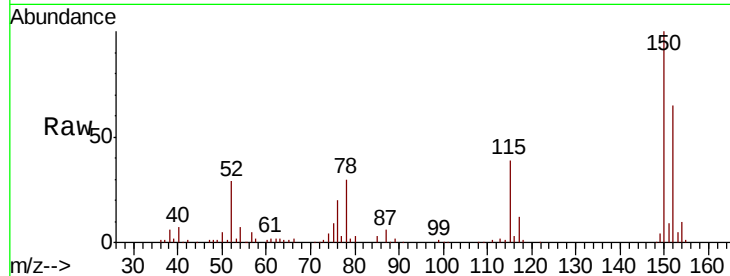
Tot Ion:152 Resp: 54760

Ion Ratio Lower Upper

152 100

115 58.9 42.7 128.1

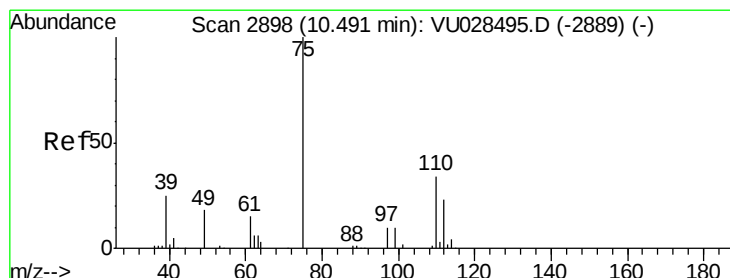
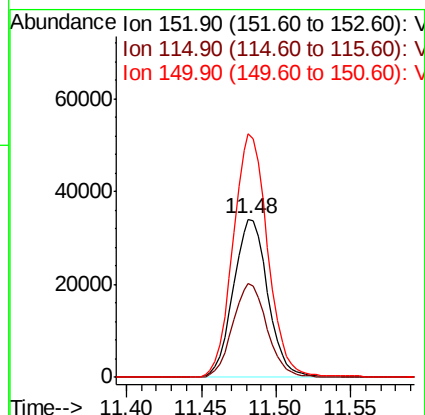
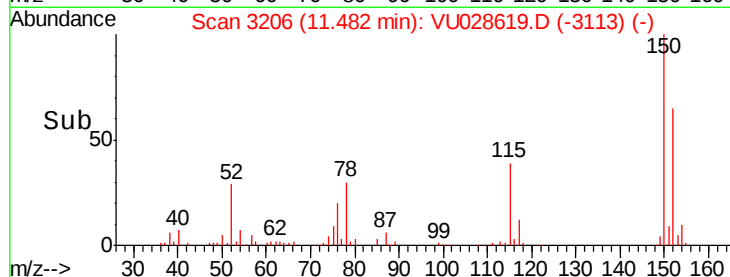
150 154.2 0.0 346.0



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: 25.024 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028619.D

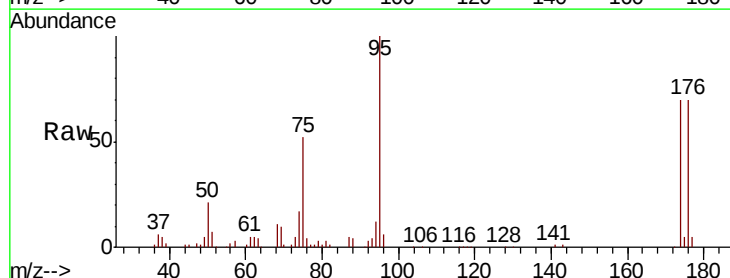
Acq: 11 Dec 2018 20:02

Tgt Ion: 75 Resp: 34991

Ion Ratio Lower Upper

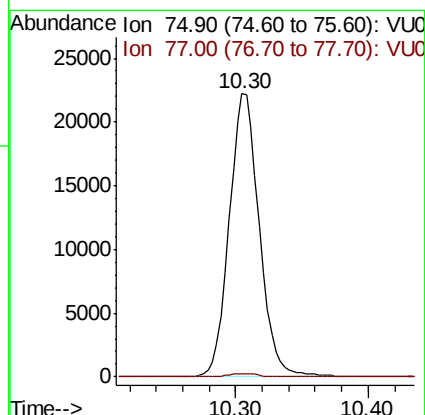
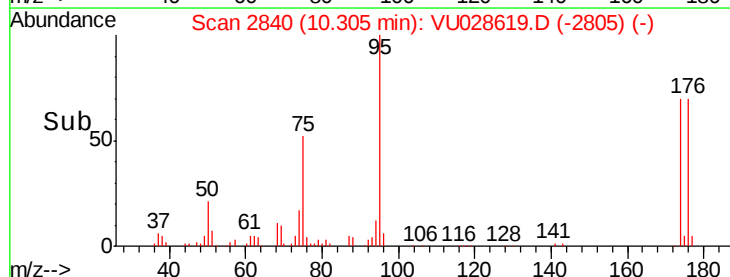
75 100

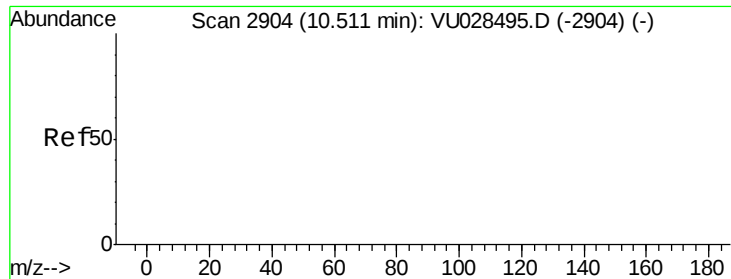
77 1.1 20.8 62.4#



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: 61.405 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028619.D

Acq: 11 Dec 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

RE-125D3-20181204DL

Tot Ion: 75 Resp: 34991

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

