

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028616.D
 Acq On : 11 Dec 2018 18:50
 Operator : MD/SY
 Sample : J6323-09DL 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-126D2-20181207DL

Quant Time: Dec 12 04:12:21 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	83487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	153929	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	141291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	54992	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	70693	55.49	ug/l	0.00
Spiked Amount			Recovery	=	110.98%	
35) Dibromofluoromethane	4.88	113	53141	54.86	ug/l	0.00
Spiked Amount			Recovery	=	109.72%	
50) Toluene-d8	7.57	98	202014	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	
62) 4-Bromofluorobenzene	10.30	95	67071	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	

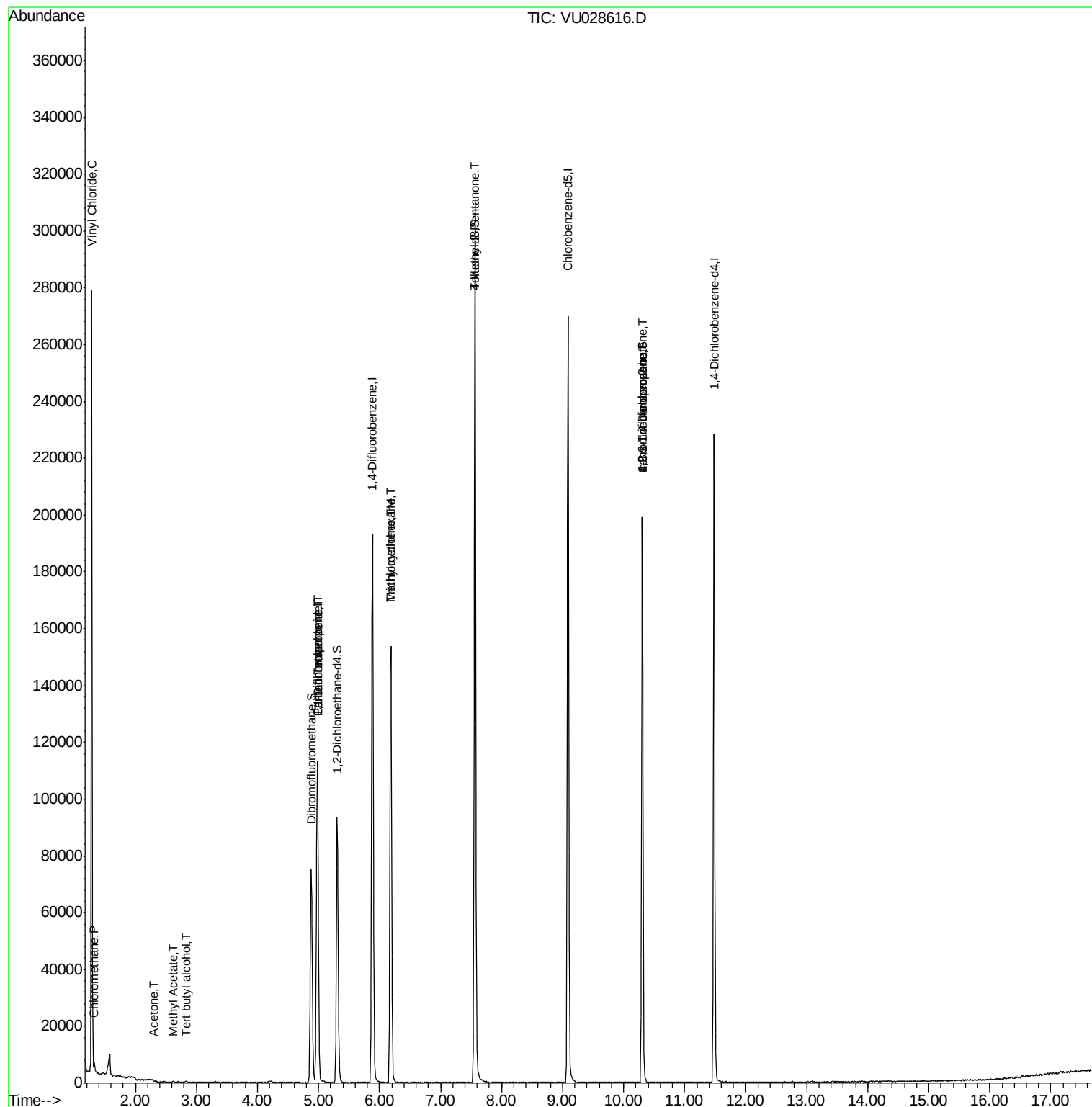
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	2475	1.203	ug/l	97
4) Vinyl Chloride	1.29	62	2333	1.571	ug/l #	43
11) Tert butyl alcohol	2.84	59	258	0.909	ug/l #	73
16) Acetone	2.31	43	185	0.223	ug/l #	44
18) Methyl Acetate	2.62	43	714	0.331	ug/l #	56
31) Cyclohexane	4.98	56	1931	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7541	4.477	ug/l #	50
38) Carbon Tetrachloride	4.98	117	8395	6.183	ug/l #	15
39) Methylcyclohexane	6.19	83	594	0.289	ug/l #	1
44) Trichloroethene	6.19	130	50604	45.876	ug/l	96
51) 4-Methyl-2-Pentanone	7.56	43	875	0.403	ug/l #	1
76) 1,2,3-Trichloropropane	10.30	75	35066	24.972	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	35066	61.278	ug/l #	100

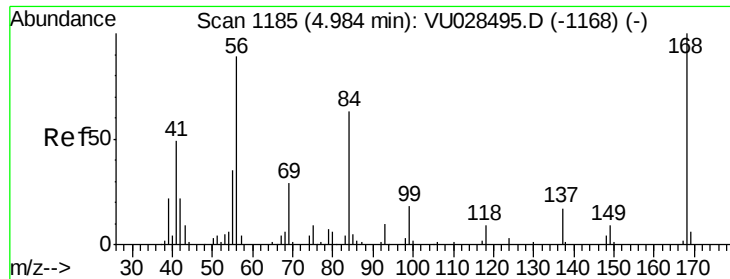
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028616.D

Acq: 11 Dec 2018 18:50

Instrument :

MSVOA_U

ClientSampleId :

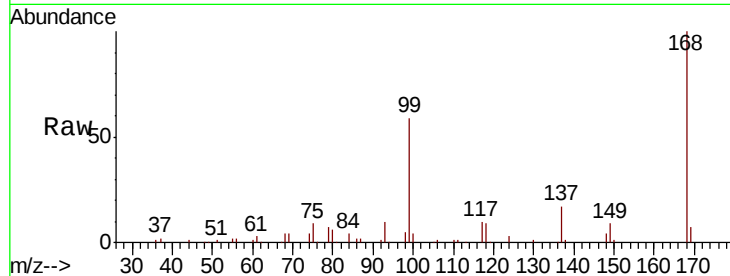
RE-126D2-20181207DL

Tot Ion:168 Resp: 83487

Ion Ratio Lower Upper

168 100

99 59.3 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

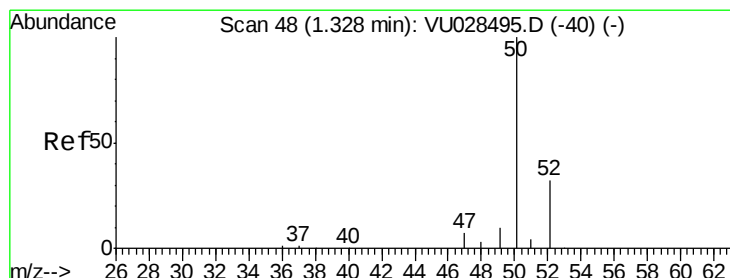
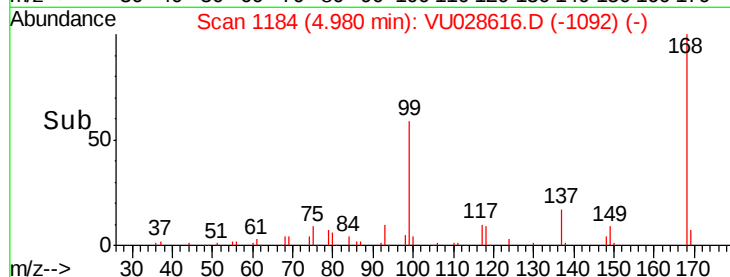
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#3

Chloromethane

Concen: 1.203 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028616.D

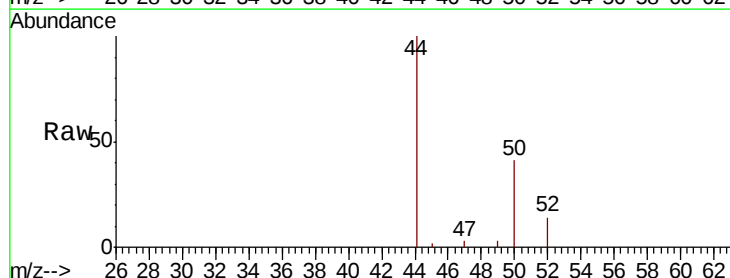
Acq: 11 Dec 2018 18:50

Tgt Ion: 50 Resp: 2475

Ion Ratio Lower Upper

50 100

52 33.7 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

2000

1500

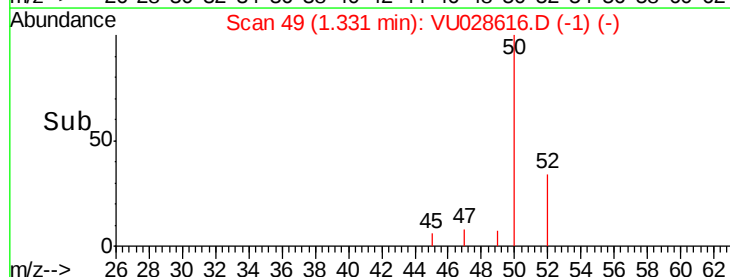
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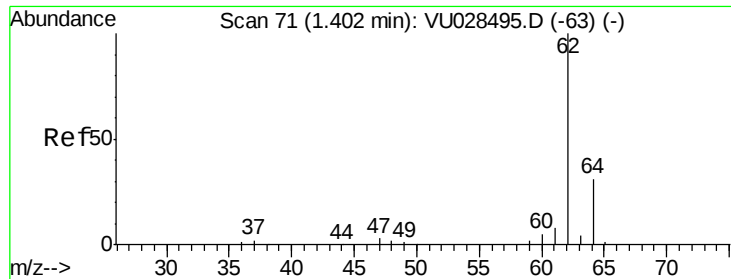
500

0

1.30 1.35 1.40

Time-->





#4

Vinyl Chloride

Concen: 1.571 ug/l

RT: 1.29 min Scan# 35

Delta R.T. -0.12 min

Lab File: VU028616.D

Acq: 11 Dec 2018 18:50

Instrument :

MSVOA_U

ClientSampleId :

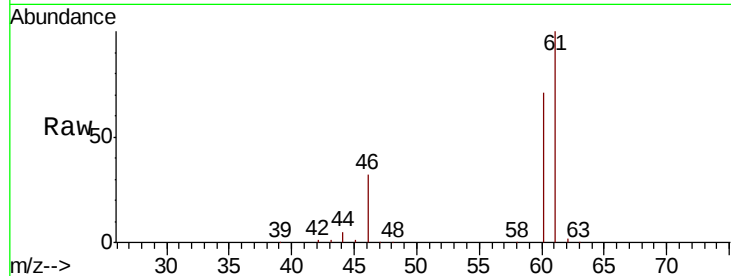
RE-126D2-20181207DL

Tot Ion: 62 Resp: 2333

Ion Ratio Lower Upper

62 100

64 0.0 25.1 37.7#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.29

2500

2000

1500

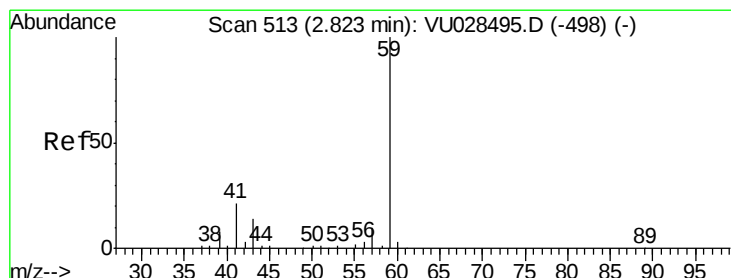
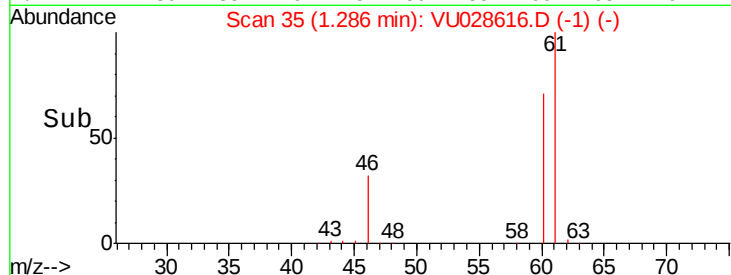
1000

500

0

1.26 1.28 1.30

Time-->



#11

Tert butyl alcohol

Concen: 0.909 ug/l

RT: 2.84 min Scan# 518

Delta R.T. 0.02 min

Lab File: VU028616.D

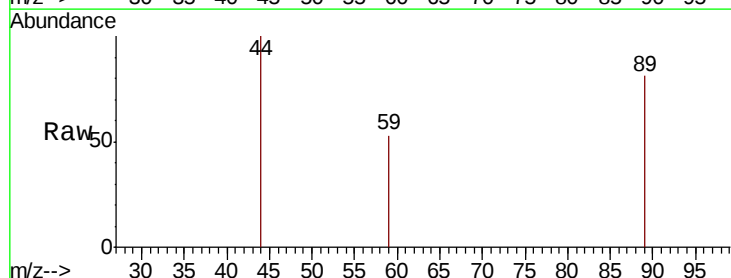
Acq: 11 Dec 2018 18:50

Tgt Ion: 59 Resp: 258

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

200

150

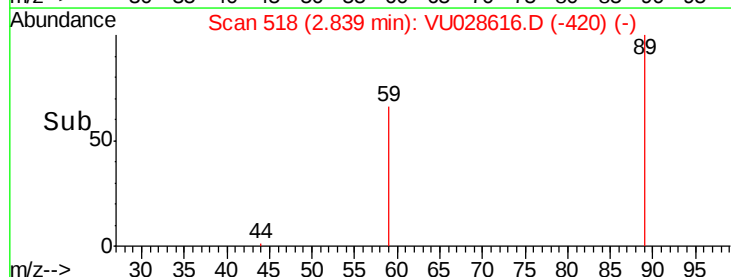
100

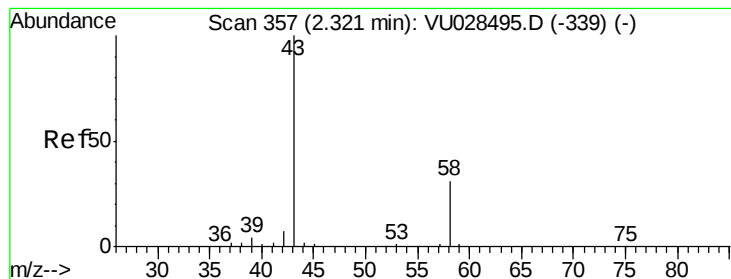
50

0

2.80 2.82 2.84 2.86

Time-->





#16

Acetone

Concen: 0.223 ug/l

RT: 2.31 min Scan# 355

Delta R.T. -0.01 min

Lab File: VU028616.D

Acq: 11 Dec 2018 18:50

Instrument :

MSVOA_U

ClientSampleId :

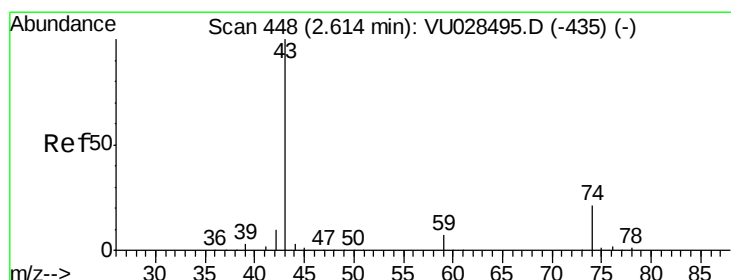
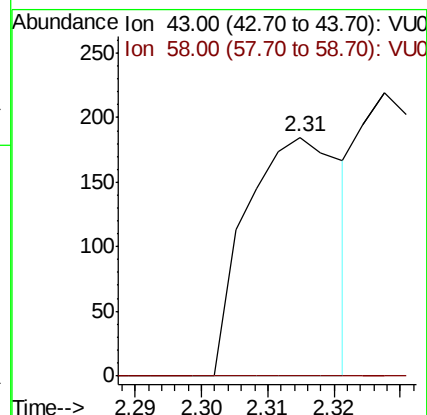
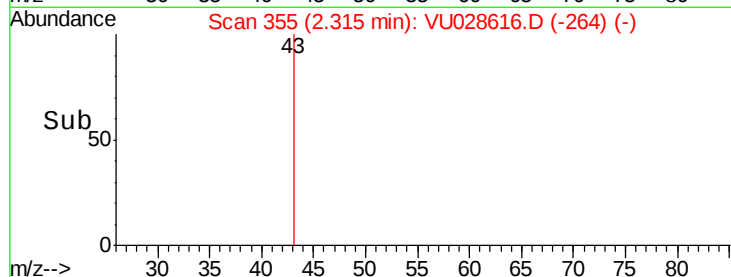
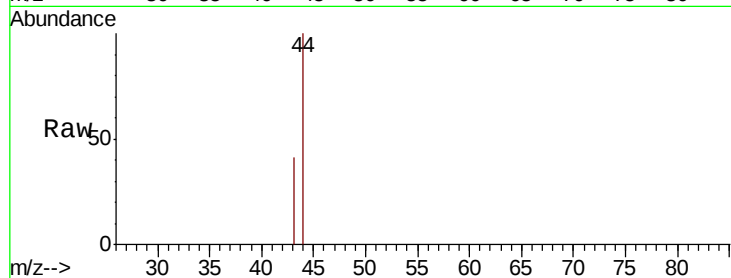
RE-126D2-20181207DL

Tot Ion: 43 Resp: 185

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



#18

Methyl Acetate

Concen: 0.331 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU028616.D

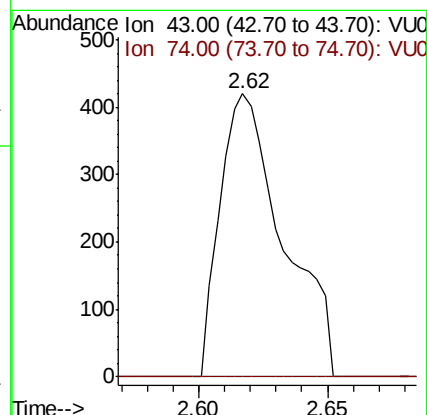
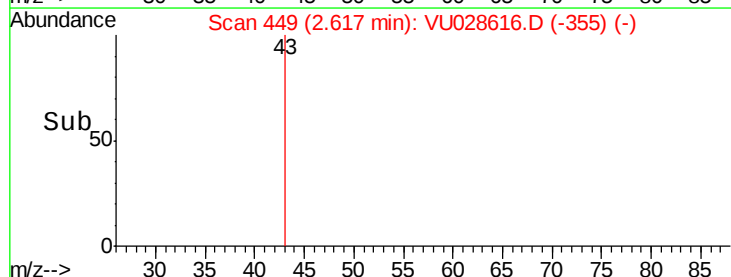
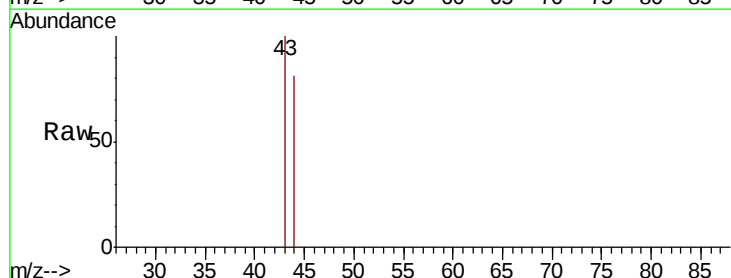
Acq: 11 Dec 2018 18:50

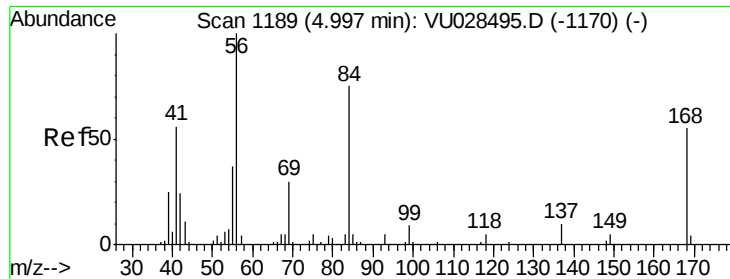
Tgt Ion: 43 Resp: 714

Ion Ratio Lower Upper

43 100

74 0.0 16.4 24.6#

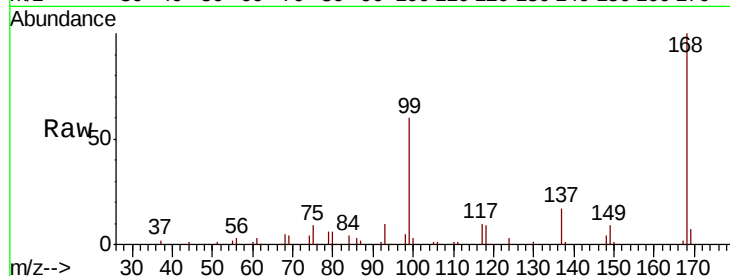




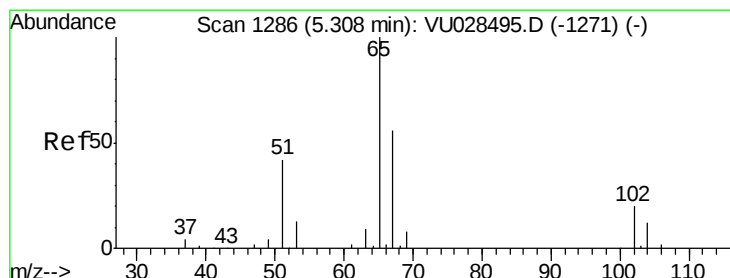
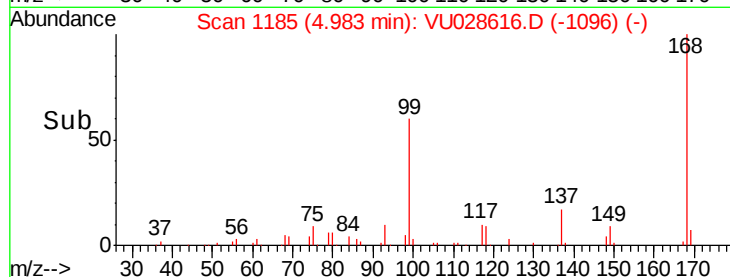
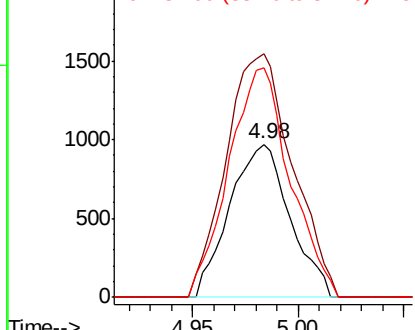
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028616.D
Acq: 11 Dec 2018 18:50

Instrument :
MSVOA_U
ClientSampleId :
RE-126D2-20181207DL

Tot Ion: 56 Resp: 1931
Ion Ratio Lower Upper
56 100
69 158.7 24.0 36.0#
84 149.7 59.7 89.5#

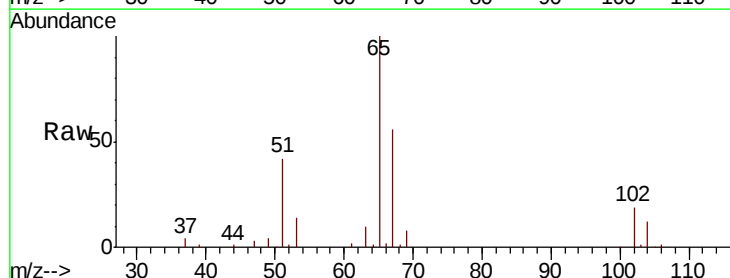


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

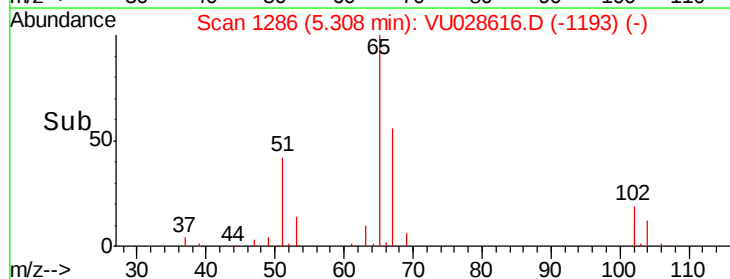
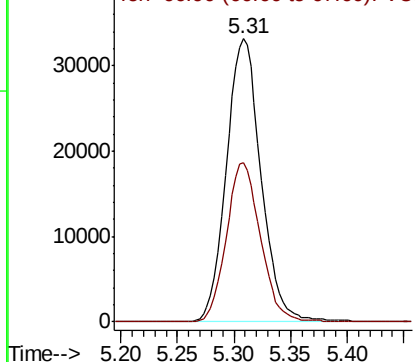


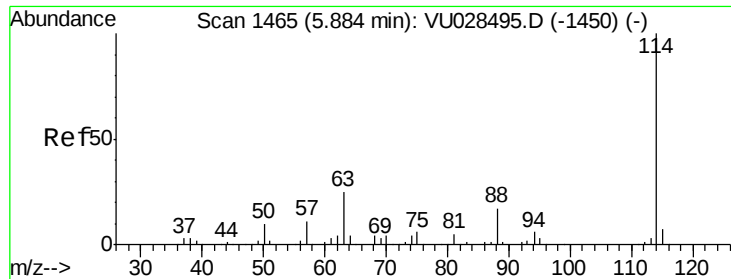
#33
1,2-Dichloroethane-d4
Concen: 55.486 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028616.D
Acq: 11 Dec 2018 18:50

Tgt Ion: 65 Resp: 70693
Ion Ratio Lower Upper
65 100
67 55.1 0.0 110.6



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

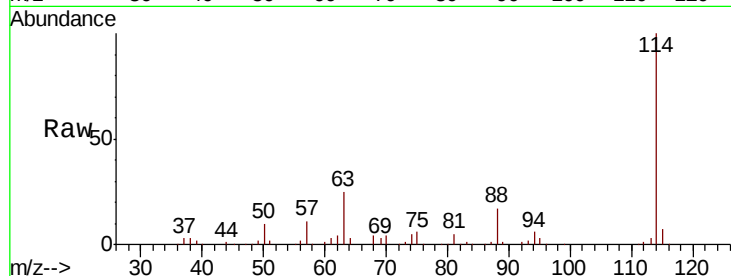




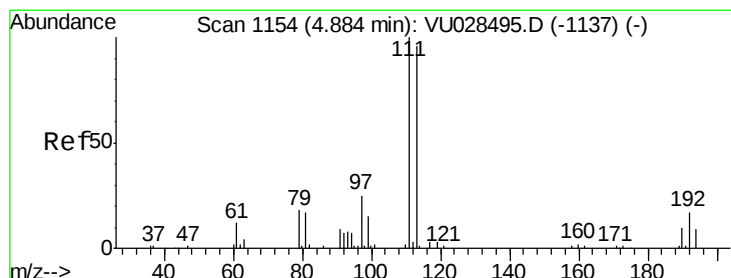
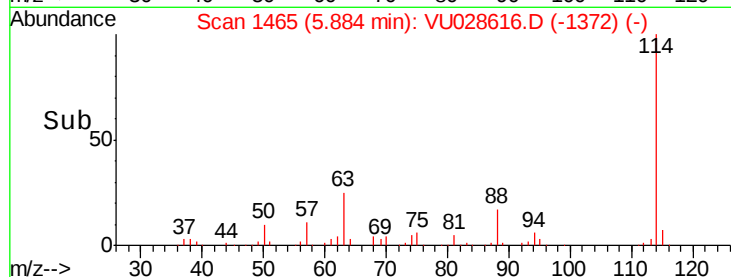
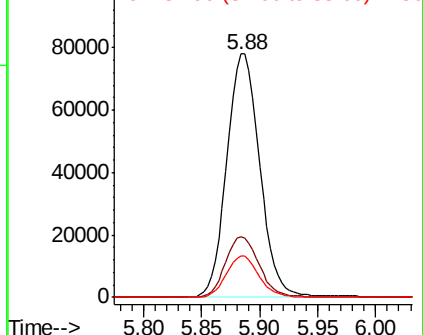
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028616.D
 Acq: 11 Dec 2018 18:50

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-126D2-20181207DL

Tot Ion:114 Resp: 153929
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 49.2
 88 17.0 0.0 33.4

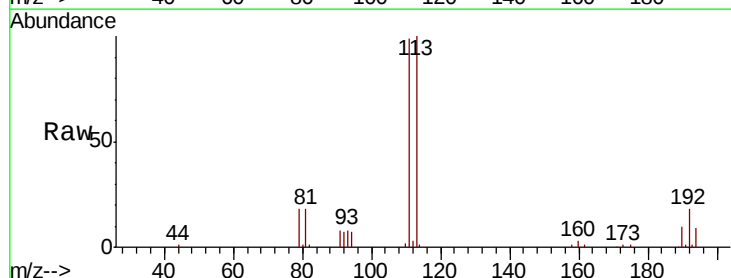


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

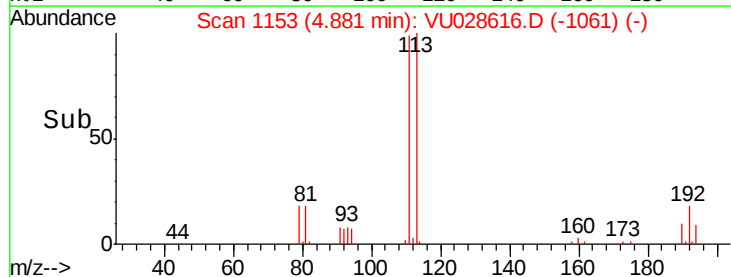
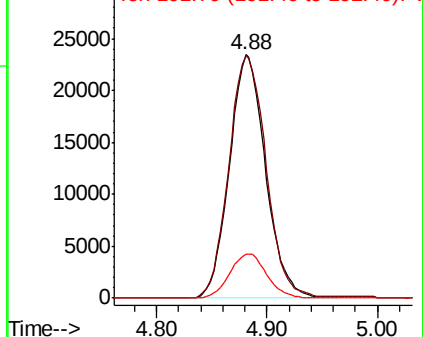


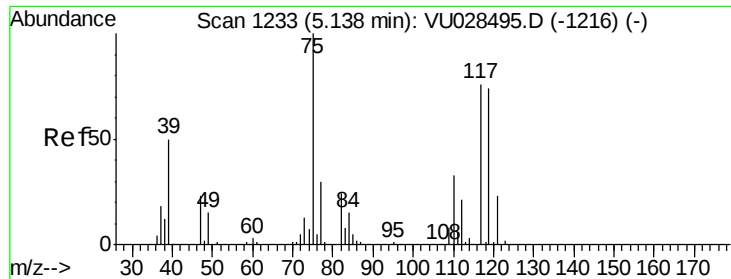
#35
 Dibromofluoromethane
 Concen: 54.859 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028616.D
 Acq: 11 Dec 2018 18:50

Tgt Ion:113 Resp: 53141
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.4 125.0
 192 18.5 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

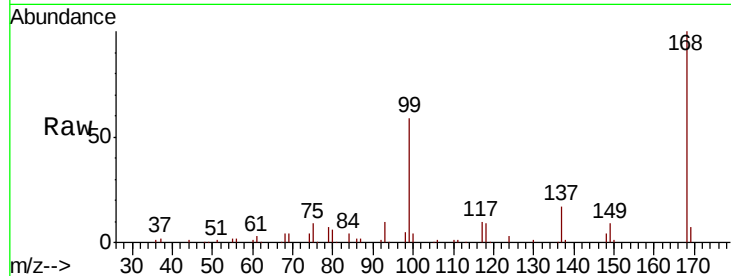




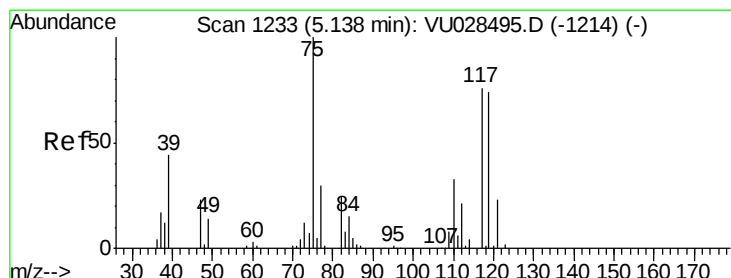
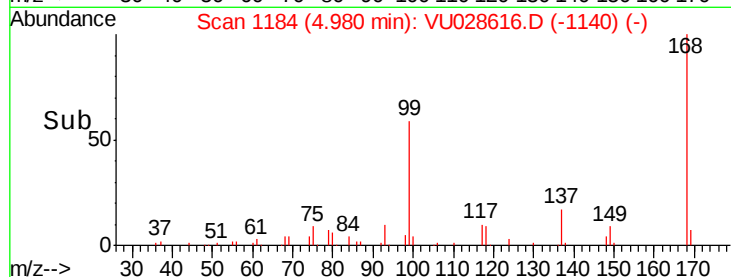
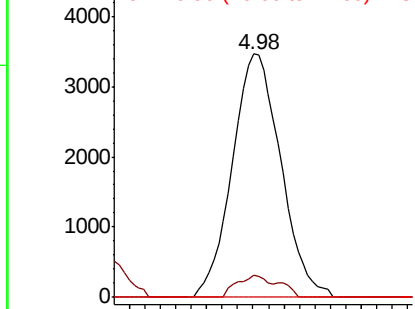
#36
 1,1-Dichloropropene
 Concen: 4.477 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028616.D
 Acq: 11 Dec 2018 18:50

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-126D2-20181207DL

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.7	16.1	48.2#
77	0.0	24.5	36.7#

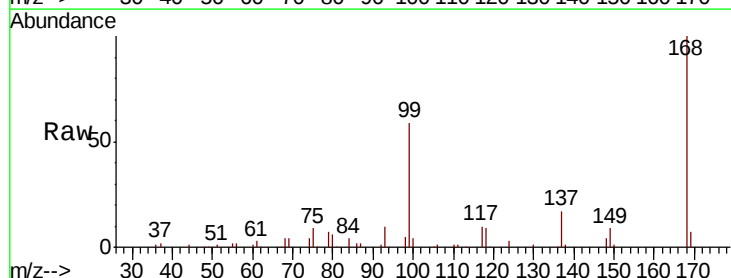


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

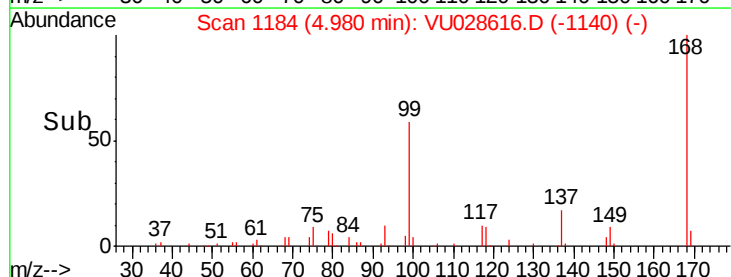
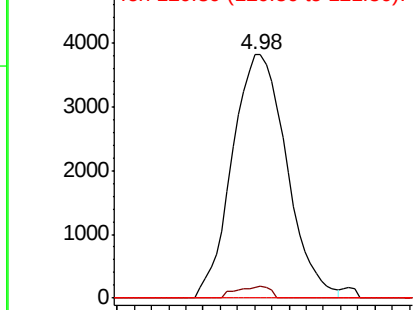


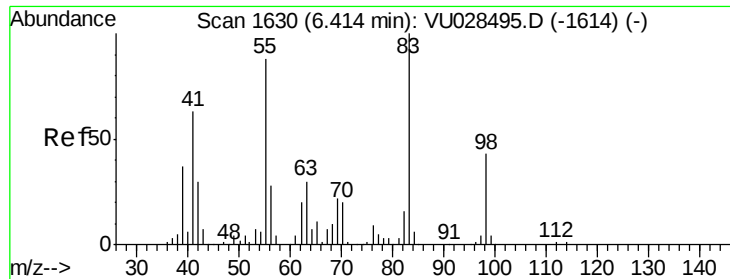
#38
 Carbon Tetrachloride
 Concen: 6.183 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028616.D
 Acq: 11 Dec 2018 18:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	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

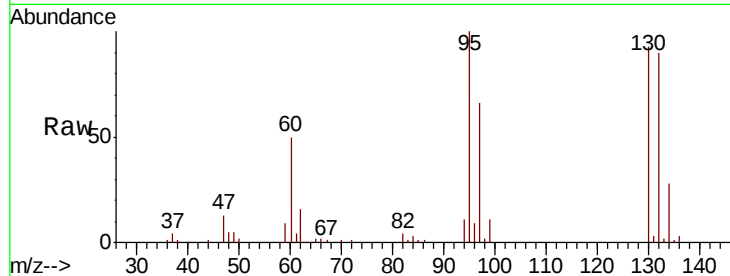




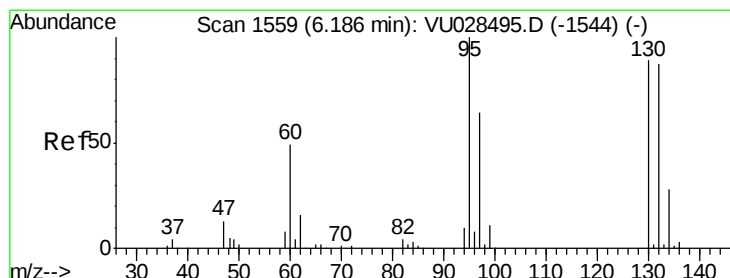
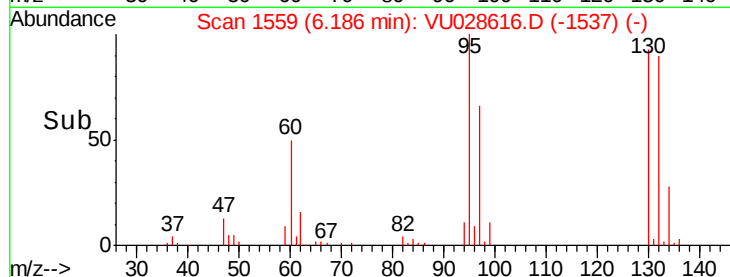
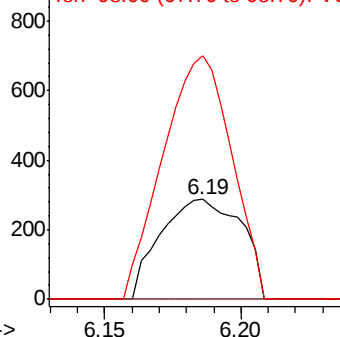
#39
Methvlcvclohexane
Concen: 0.289 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.23 min
Lab File: VU028616.D
Acq: 11 Dec 2018 18:50

Instrument :
MSVOA_U
ClientSampleId :
RE-126D2-20181207DL

Tot Ion: 83 Resp: 594
Ion Ratio Lower Upper
83 100
55 0.0 70.2 105.2#
98 243.1 34.2 51.4#

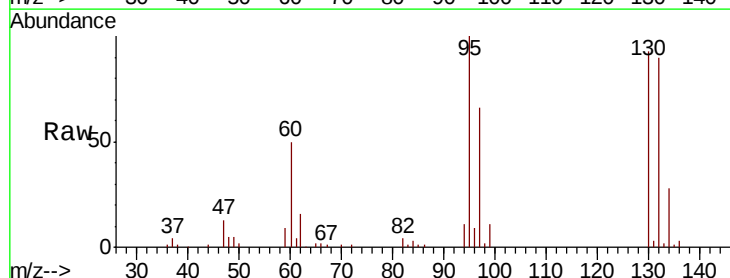


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

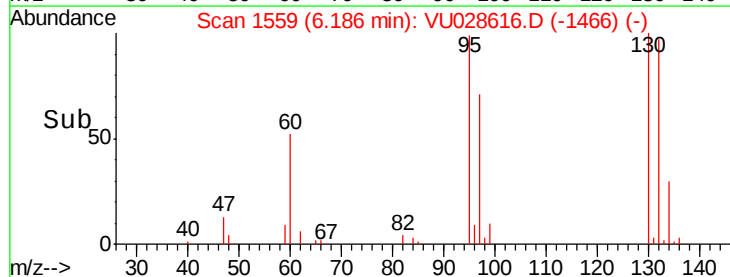
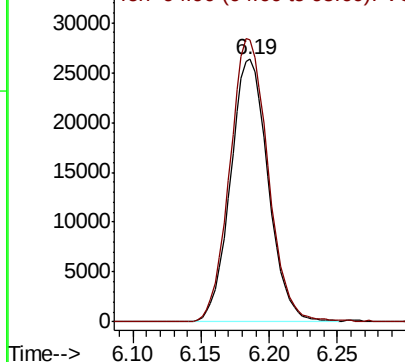


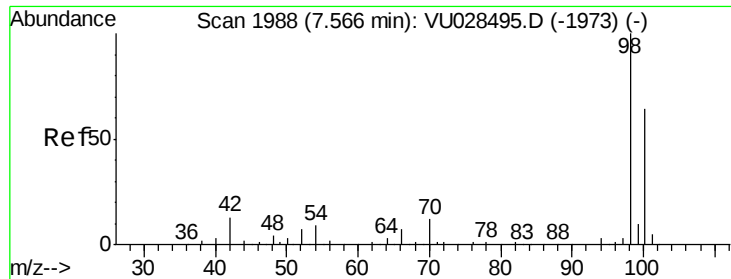
#44
Trichloroethene
Concen: 45.876 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028616.D
Acq: 11 Dec 2018 18:50

Tgt Ion:130 Resp: 50604
Ion Ratio Lower Upper
130 100
95 107.3 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: 52.718 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028616.D

Acq: 11 Dec 2018 18:50

Instrument :

MSVOA_U

ClientSampleId :

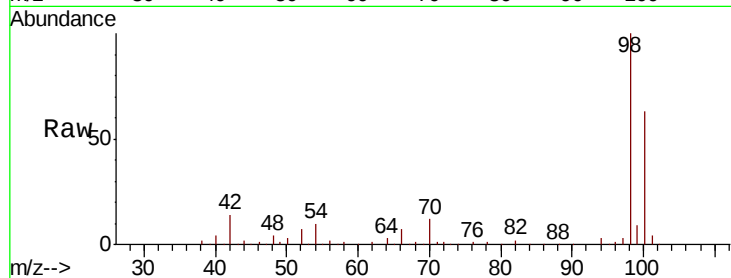
RE-126D2-20181207DL

Tot Ion: 98 Resp: 202014

Ion Ratio Lower Upper

98 100

100 64.1 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) (-)

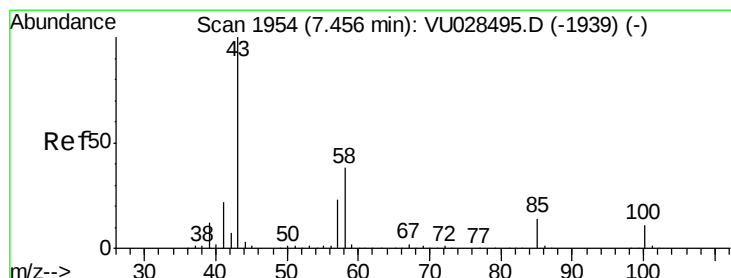
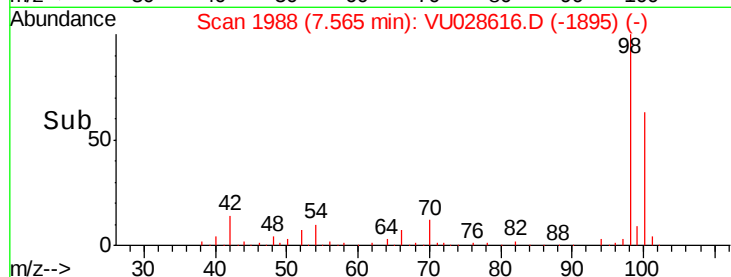
7.57

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.403 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.11 min

Lab File: VU028616.D

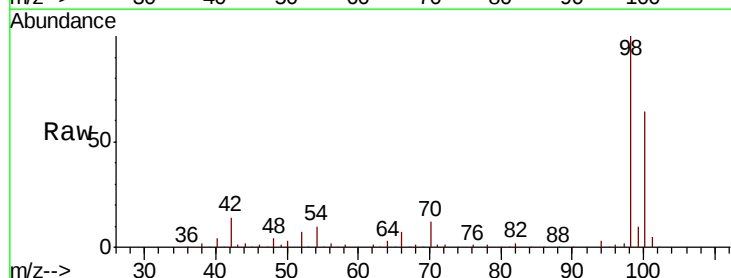
Acq: 11 Dec 2018 18:50

Tgt Ion: 43 Resp: 875

Ion Ratio Lower Upper

43 100

58 187.0 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) (-)

1000

800

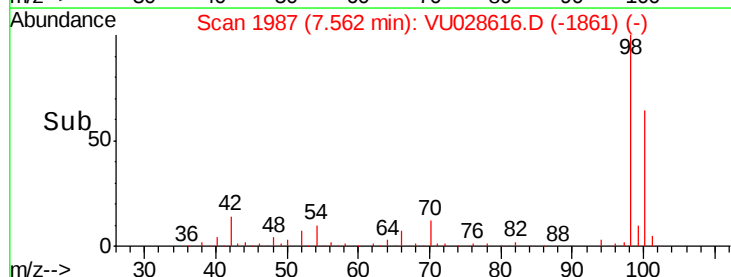
600

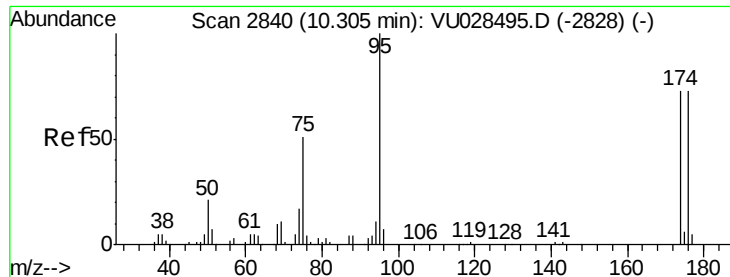
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 46.829 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028616.D

Acq: 11 Dec 2018 18:50

Instrument :

MSVOA_U

ClientSampleId :

RE-126D2-20181207DL

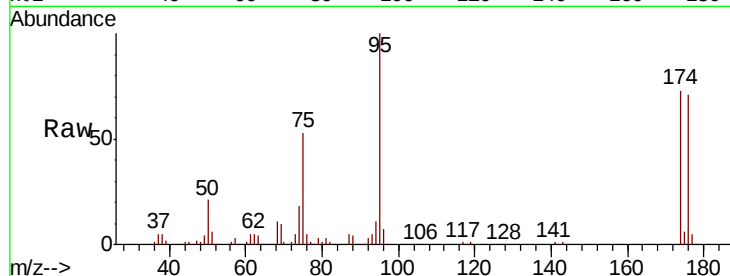
Tot Ion: 95 Resp: 67071

Ion Ratio Lower Upper

95 100

174 73.9 0.0 150.4

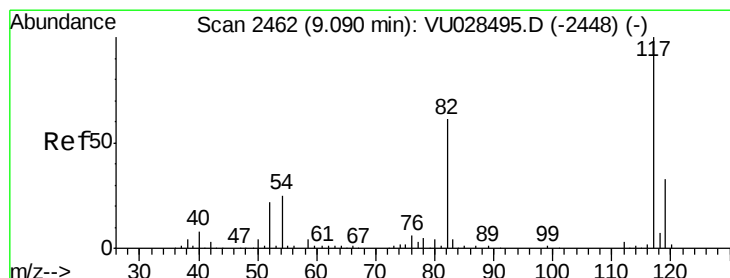
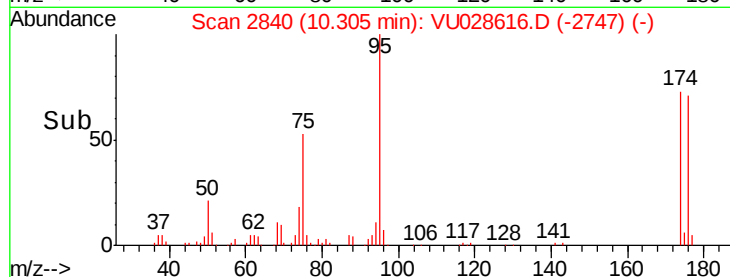
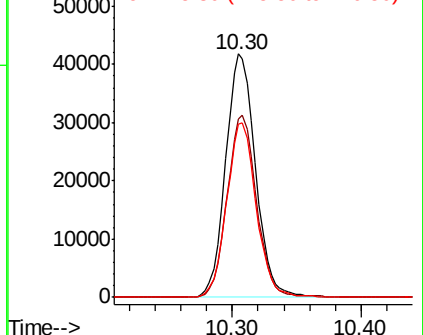
176 70.9 0.0 145.2



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: VU028616.D

Acq: 11 Dec 2018 18:50

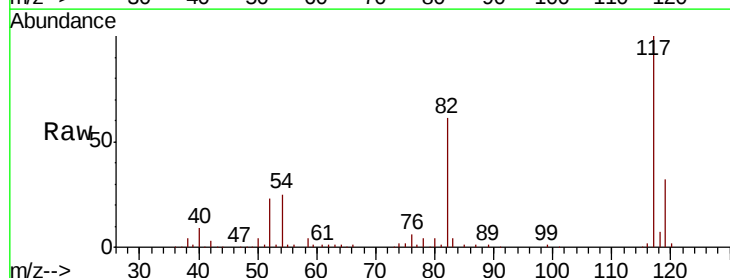
Tgt Ion: 117 Resp: 141291

Ion Ratio Lower Upper

117 100

82 61.0 48.9 73.3

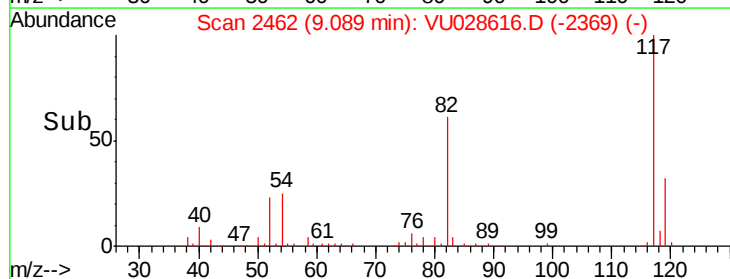
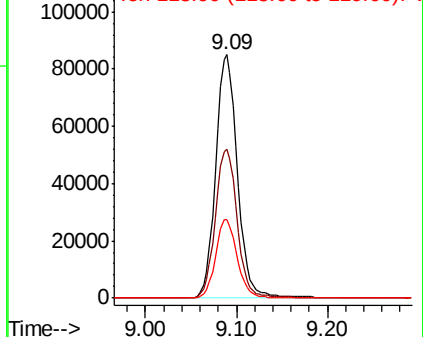
119 32.2 26.2 39.4

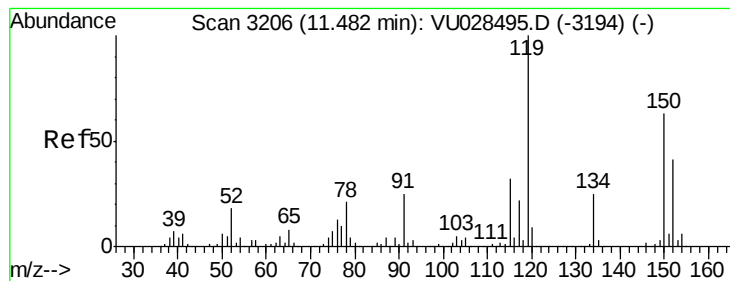


Abundance Ion 116.90 (116.60 to 117.60): V

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: VU028616.D

Acq: 11 Dec 2018 18:50

Instrument :

MSVOA_U

ClientSampleId :

RE-126D2-20181207DL

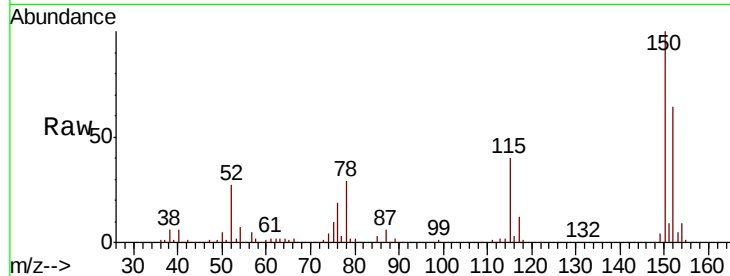
Tot Ion:152 Resp: 54992

Ion Ratio Lower Upper

152 100

115 60.9 42.7 128.1

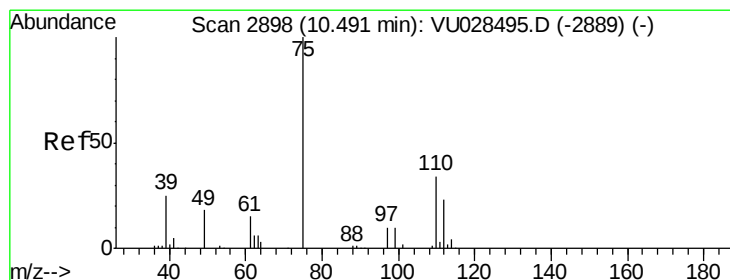
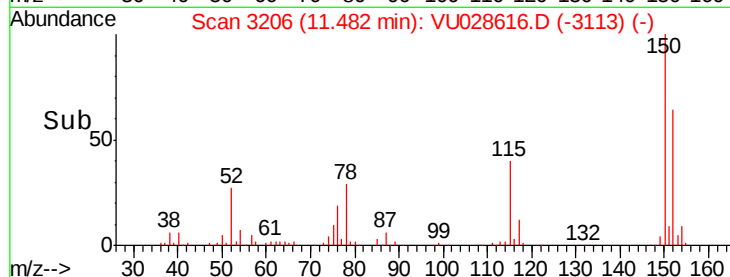
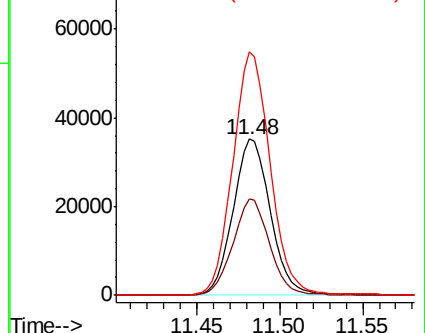
150 156.2 0.0 346.0



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: 24.972 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028616.D

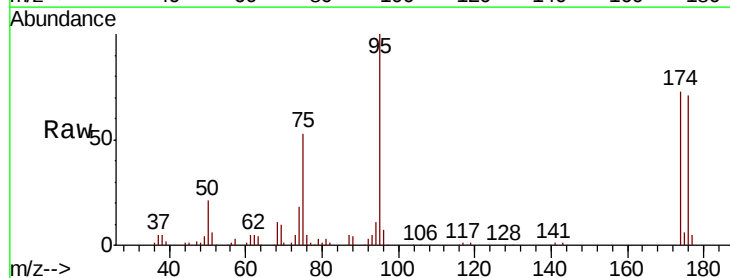
Acq: 11 Dec 2018 18:50

Tgt Ion: 75 Resp: 35066

Ion Ratio Lower Upper

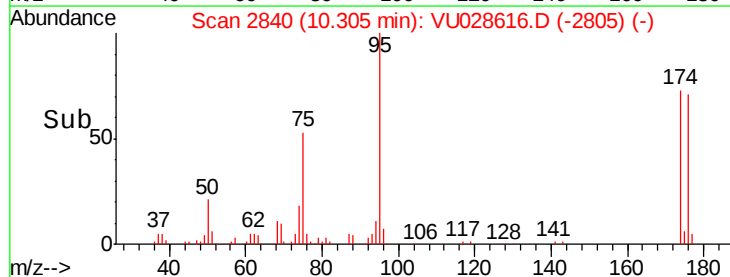
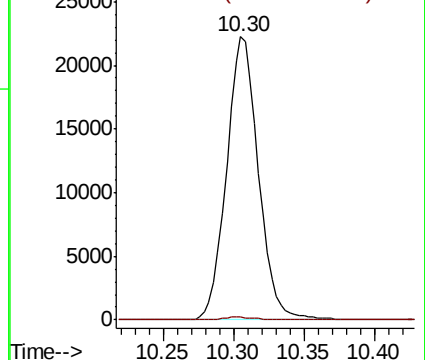
75 100

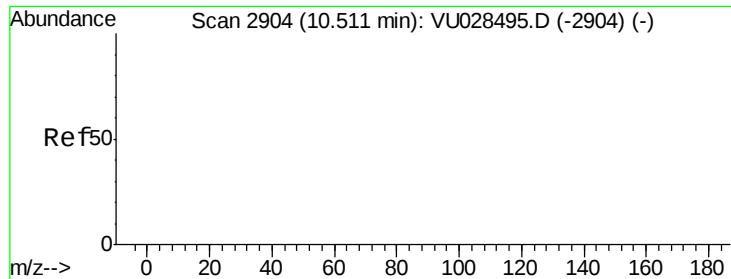
77 0.9 20.8 62.4#



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: 61.278 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028616.D

Acq: 11 Dec 2018 18:50

Instrument :

MSVOA_U

ClientSampleId :

RE-126D2-20181207DL

Tot Ion: 75 Resp: 35066

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

