

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121318\
 Data File : VU028612.D
 Acq On : 11 Dec 2018 17:13
 Operator : MD/SY
 Sample : J6323-05RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-122D3-20181206

Quant Time: Dec 12 04:11:40 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	91243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	166832	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	152368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	58998	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	76064	54.63	ug/l	0.00
Spiked Amount			Recovery	=	109.26%	
35) Dibromofluoromethane	4.88	113	57194	54.48	ug/l	0.00
Spiked Amount			Recovery	=	108.96%	
50) Toluene-d8	7.57	98	216705	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
62) 4-Bromofluorobenzene	10.30	95	71374	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	

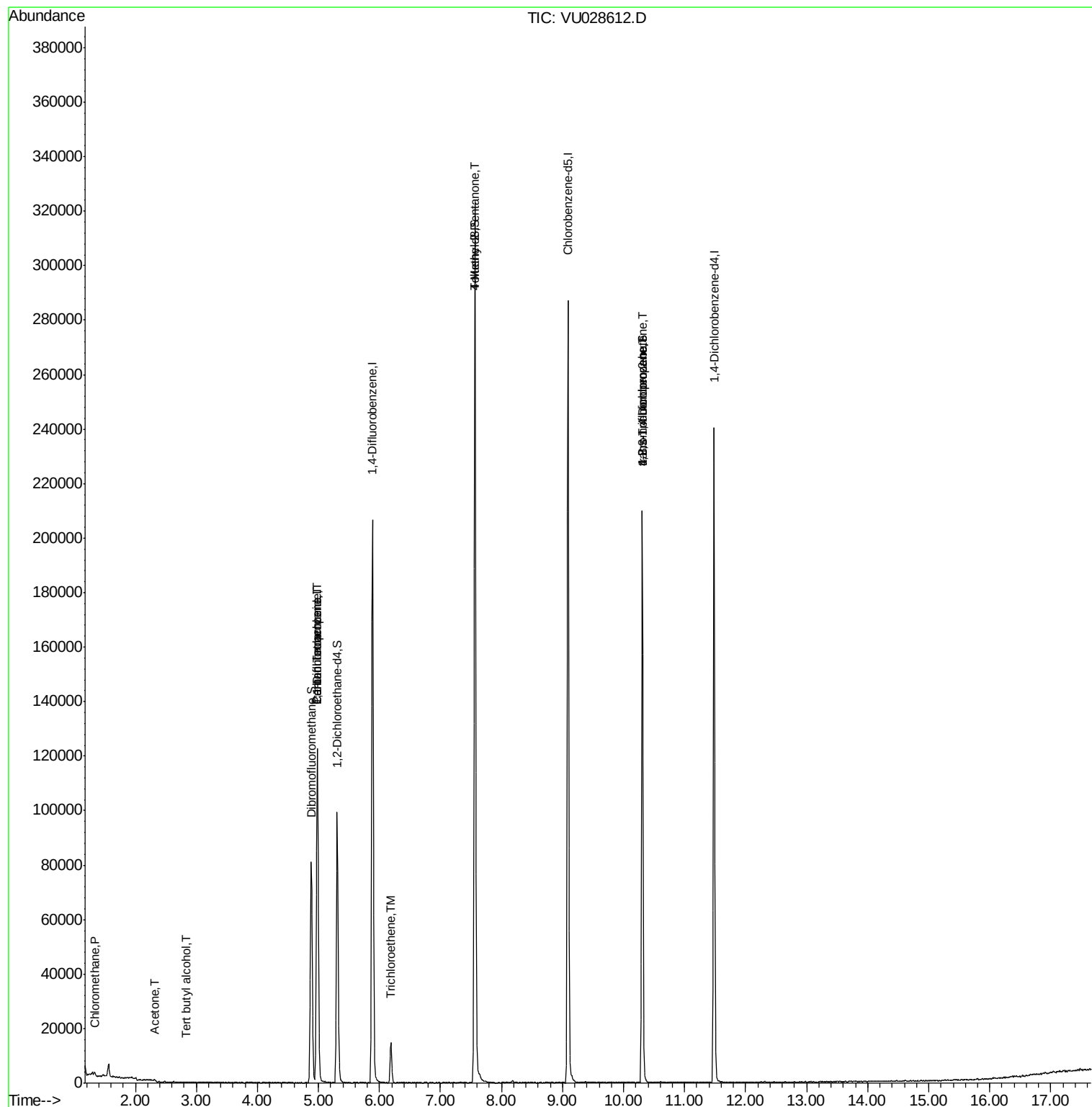
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1221	0.543	ug/l	93
11) Tert butyl alcohol	2.83	59	165	0.532	ug/l #	73
16) Acetone	2.32	43	600	0.660	ug/l #	44
31) Cyclohexane	4.98	56	2025	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7711	4.224	ug/l #	50
38) Carbon Tetrachloride	4.98	117	9172	6.233	ug/l #	15
44) Trichloroethene	6.19	130	5265	4.404	ug/l	89
51) 4-Methyl-2-Pentanone	7.56	43	1088	0.462	ug/l #	1
76) 1,2,3-Trichloropropane	10.30	75	37624	24.974	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	37624	61.284	ug/l #	100

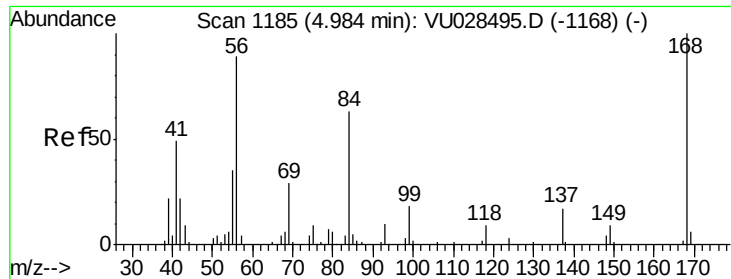
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028612.D

Acq: 11 Dec 2018 17:13

Instrument :

MSVOA_U

ClientSampleId :

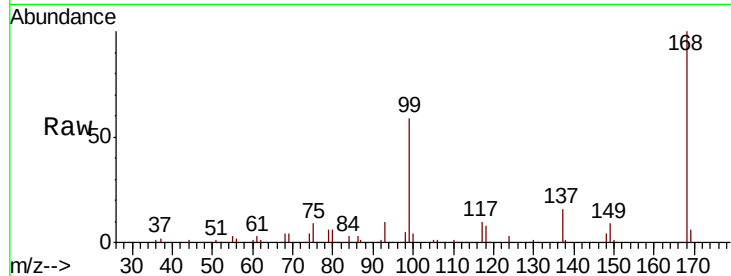
RE-122D3-20181206

Tot Ion:168 Resp: 91243

Ion Ratio Lower Upper

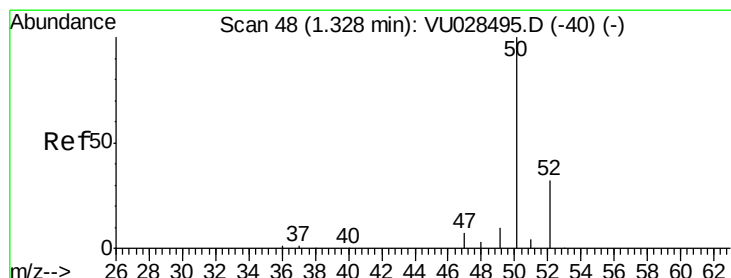
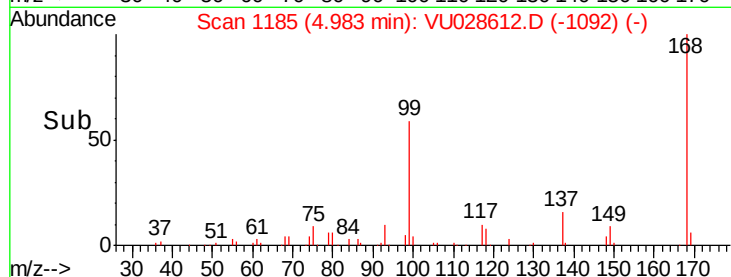
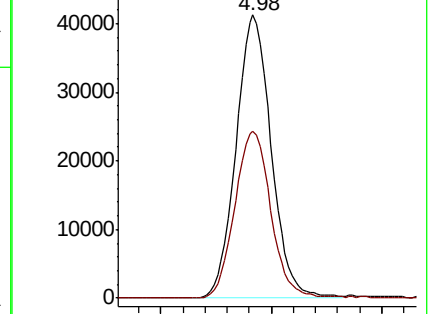
168 100

99 59.0 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) (-)



#3

Chloromethane

Concen: 0.543 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028612.D

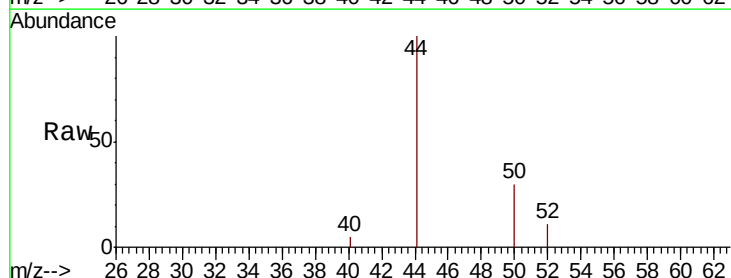
Acq: 11 Dec 2018 17:13

Tgt Ion: 50 Resp: 1221

Ion Ratio Lower Upper

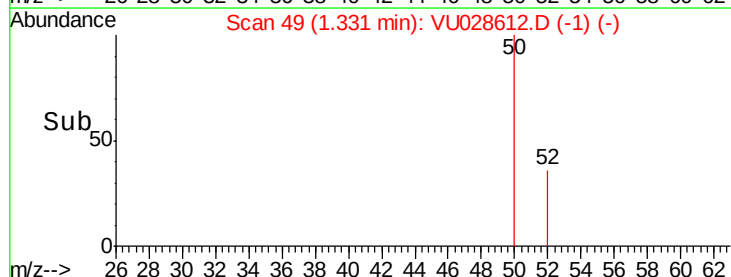
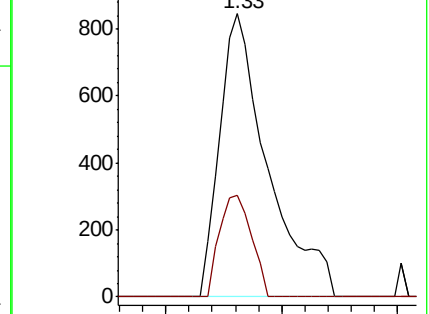
50 100

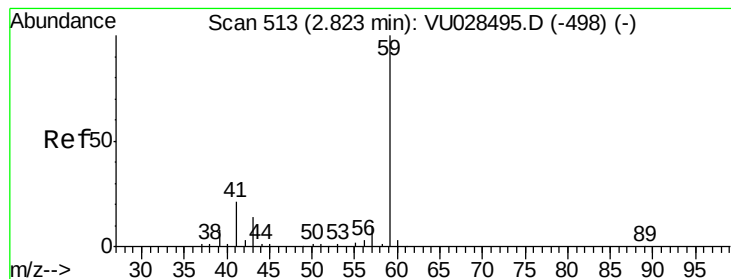
52 35.9 25.5 38.3



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

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



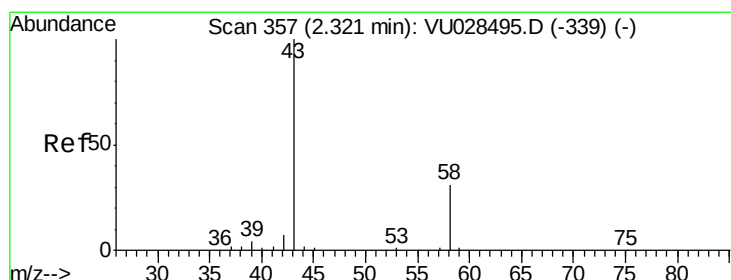
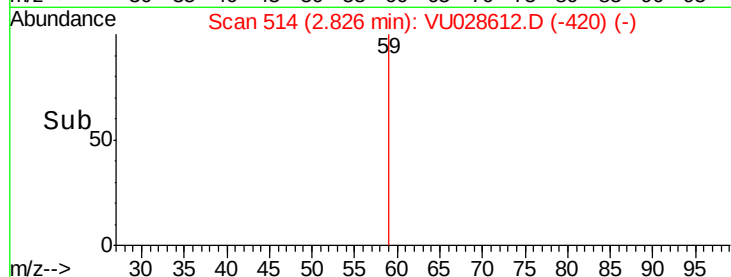
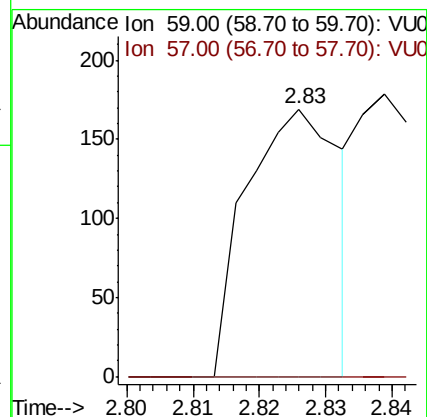
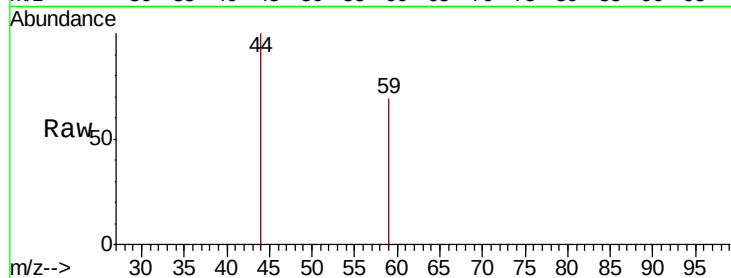


#11

Tert butyl alcohol
 Concen: 0.532 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. 0.00 min
 Lab File: VU028612.D
 Acq: 11 Dec 2018 17:13

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-122D3-20181206

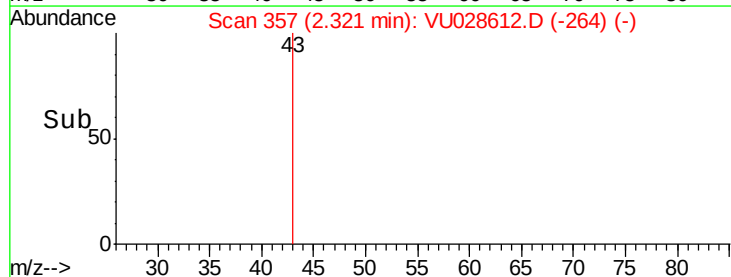
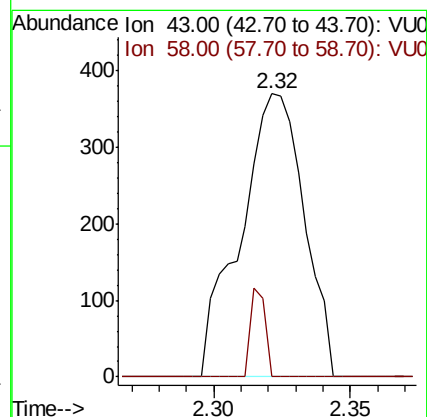
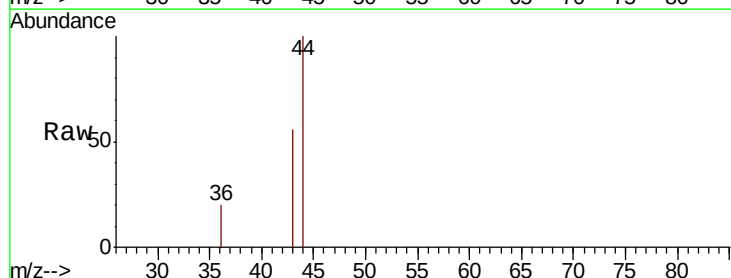
Tot Ion: 59 Resp: 165
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

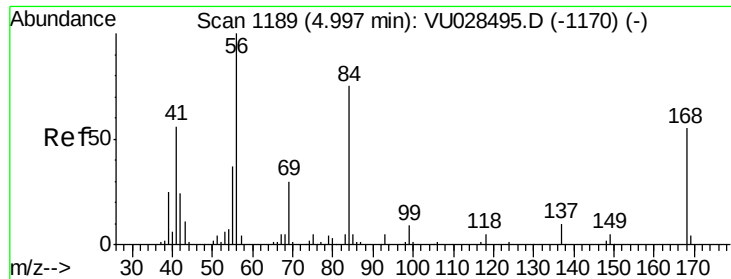


#16

Acetone
 Concen: 0.660 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU028612.D
 Acq: 11 Dec 2018 17:13

Tgt Ion: 43 Resp: 600
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.6 37.0#

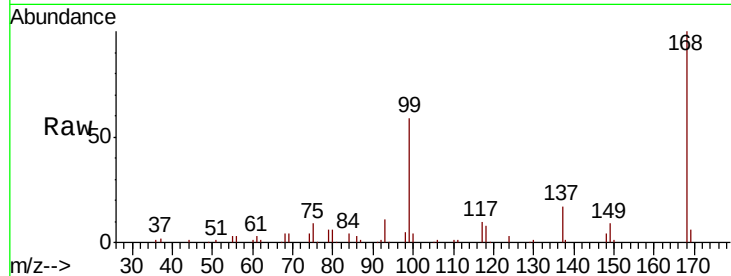




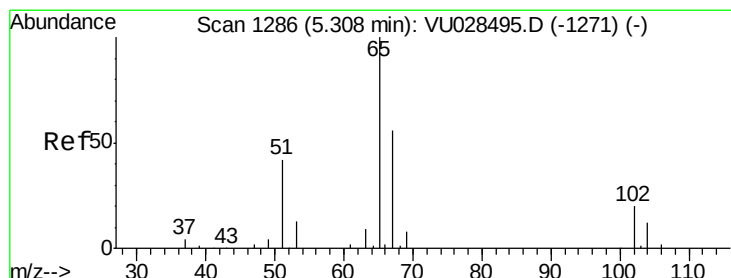
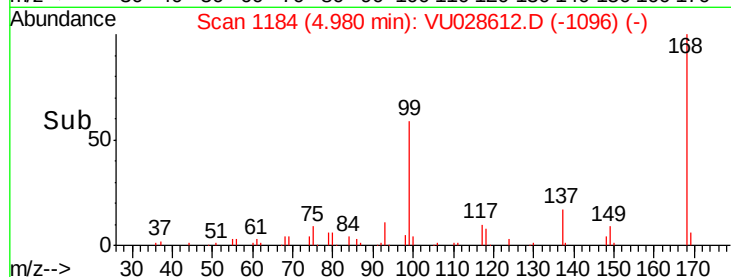
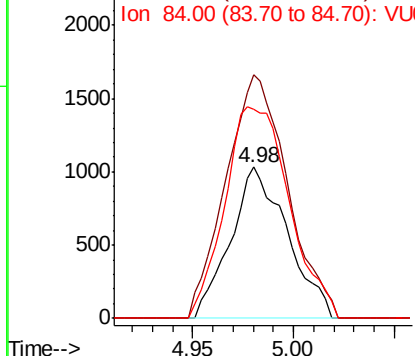
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU028612.D
Acq: 11 Dec 2018 17:13

Instrument :
MSVOA_U
ClientSampleId :
RE-122D3-20181206

Tot Ion: 56 Resp: 2025
Ion Ratio Lower Upper
56 100
69 160.9 24.0 36.0#
84 137.9 59.7 89.5#

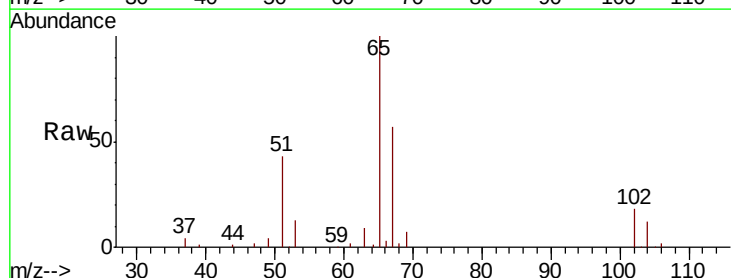


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

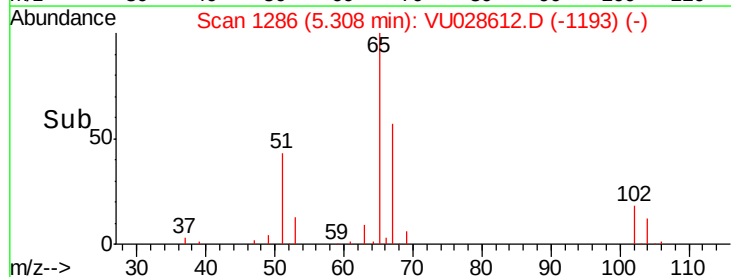
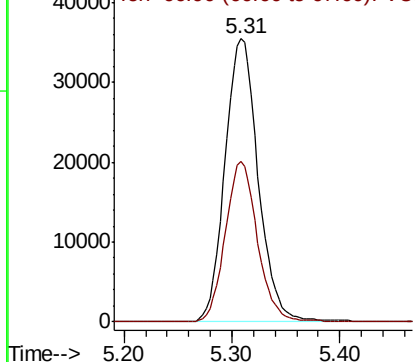


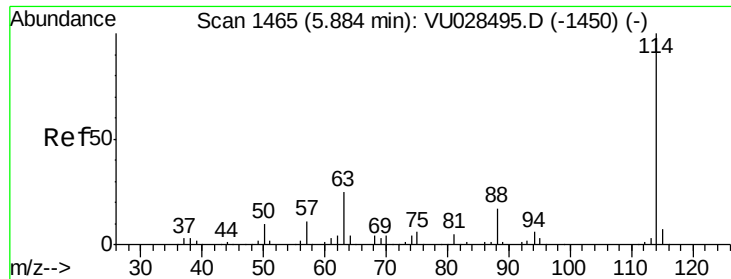
#33
1,2-Dichloroethane-d4
Concen: 54.627 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028612.D
Acq: 11 Dec 2018 17:13

Tgt Ion: 65 Resp: 76064
Ion Ratio Lower Upper
65 100
67 54.9 0.0 110.6



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

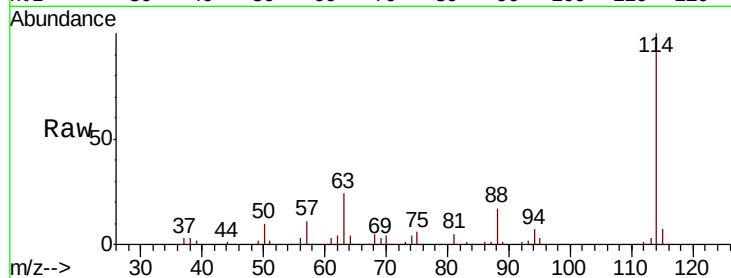




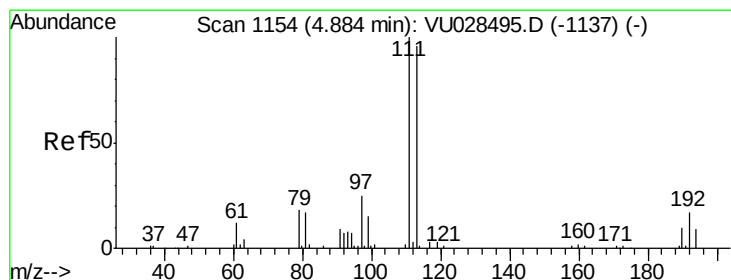
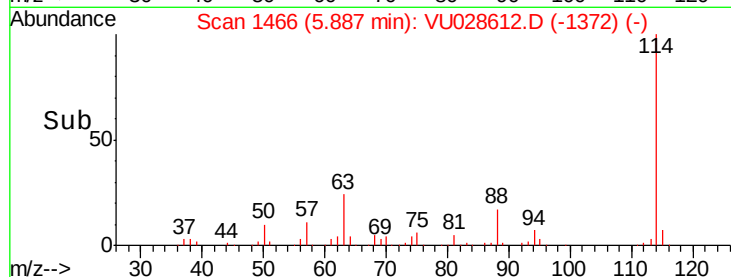
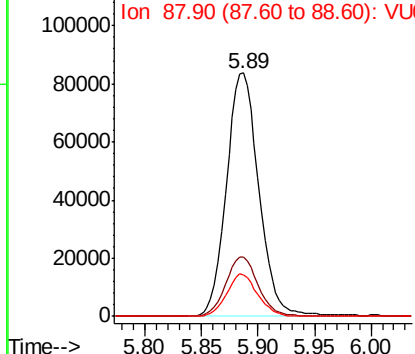
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028612.D
 Acq: 11 Dec 2018 17:13

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-122D3-20181206

Tot Ion:114 Resp: 166832
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 49.2
 88 17.2 0.0 33.4

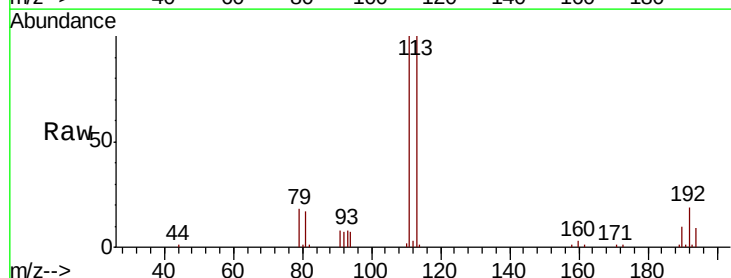


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

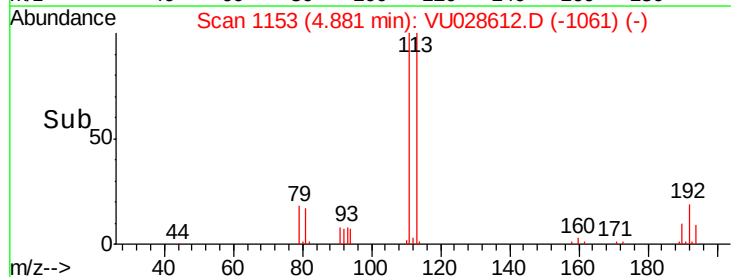
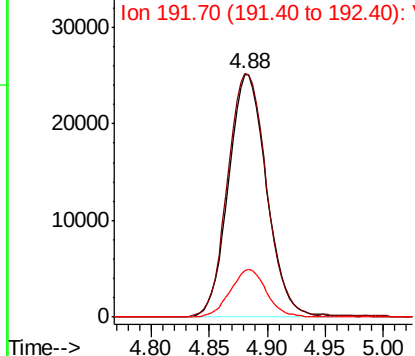


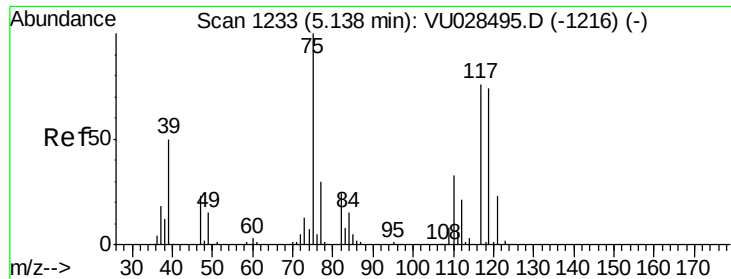
#35
 Dibromofluoromethane
 Concen: 54.476 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028612.D
 Acq: 11 Dec 2018 17:13

Tgt Ion:113 Resp: 57194
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.4 125.0
 192 18.6 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: 4.224 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028612.D

Acq: 11 Dec 2018 17:13

Instrument :

MSVOA_U

ClientSampleId :

RE-122D3-20181206

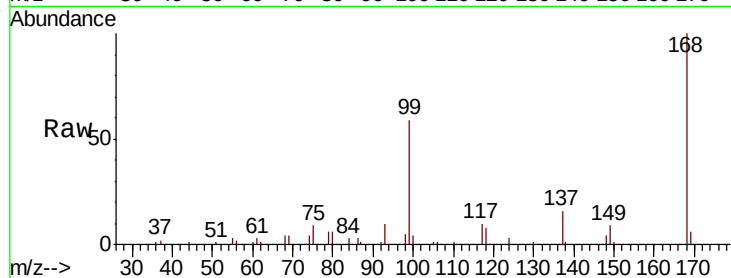
Tot Ion: 75 Resp: 7711

Ion Ratio Lower Upper

75 100

110 7.2 16.1 48.2#

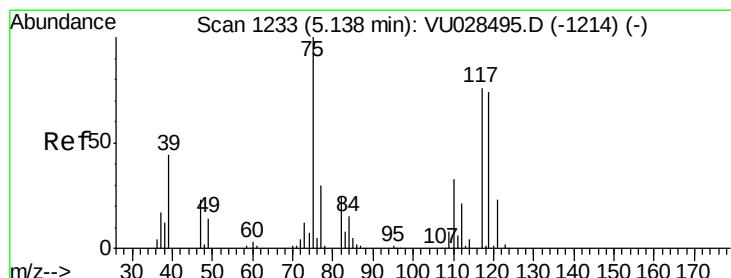
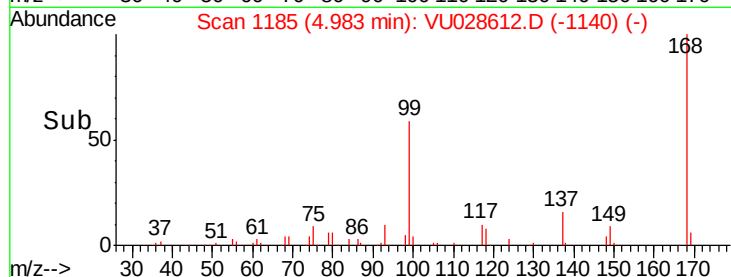
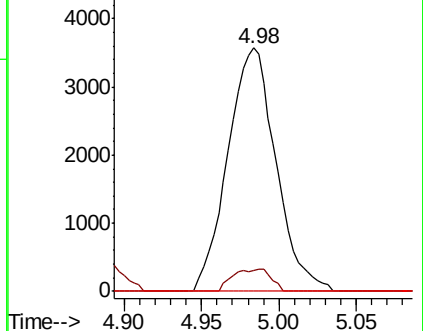
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VU028612.D (-1140) (-)

Ion 109.90 (109.60 to 110.60): VU028612.D (-1140) (-)

Ion 76.90 (76.60 to 77.60): VU028612.D (-1140) (-)



#38

Carbon Tetrachloride

Concen: 6.233 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028612.D

Acq: 11 Dec 2018 17:13

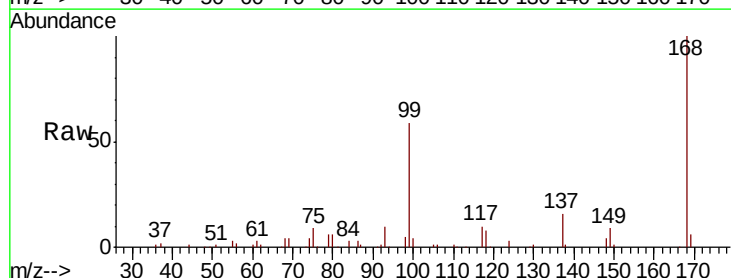
Tgt Ion: 117 Resp: 9172

Ion Ratio Lower Upper

117 100

119 4.5 77.6 116.4#

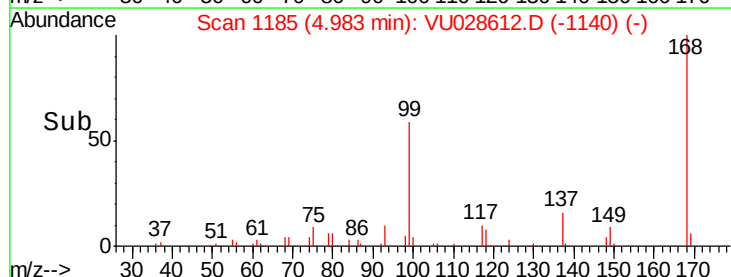
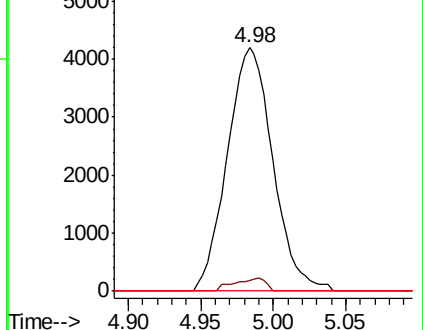
121 0.0 24.6 36.8#

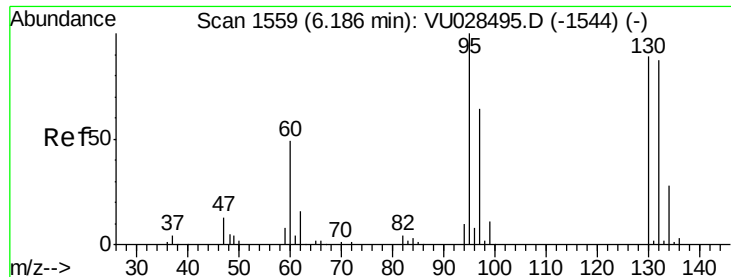


Abundance Ion 116.80 (116.50 to 117.50): VU028612.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU028612.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU028612.D (-1140) (-)





#44

Trichloroethene

Concen: 4.404 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028612.D

Acq: 11 Dec 2018 17:13

Instrument :

MSVOA_U

ClientSampleId :

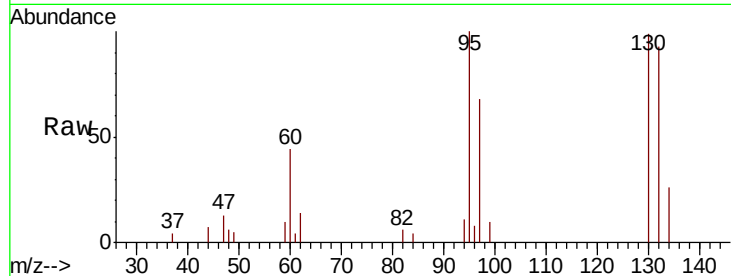
RE-122D3-20181206

Tot Ion:130 Resp: 5265

Ion Ratio Lower Upper

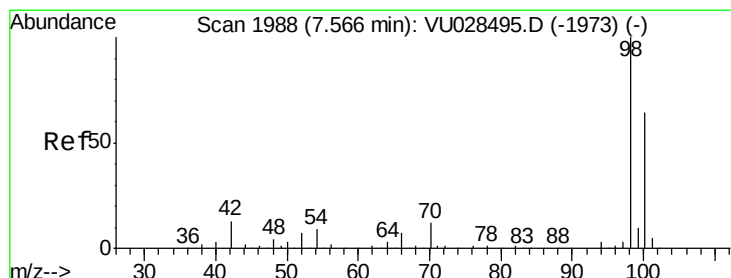
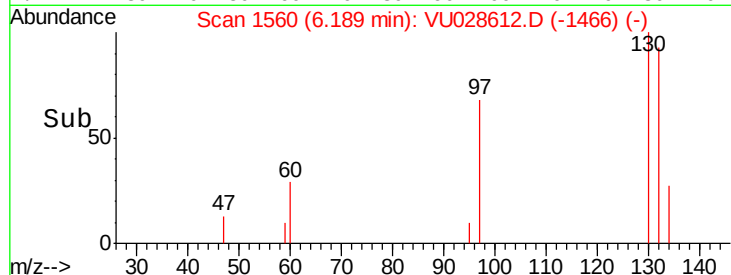
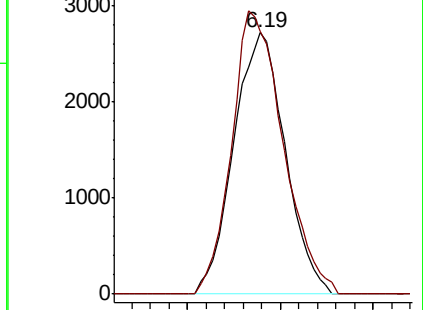
130 100

95 100.6 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: 52.178 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028612.D

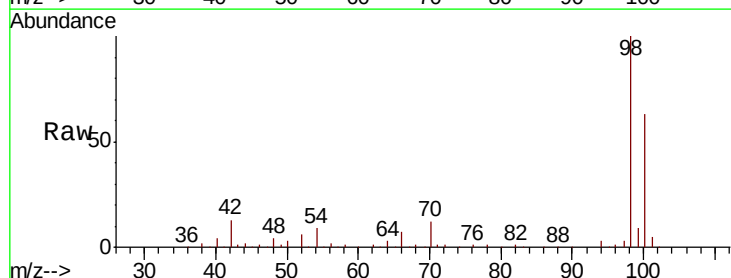
Acq: 11 Dec 2018 17:13

Tgt Ion: 98 Resp: 216705

Ion Ratio Lower Upper

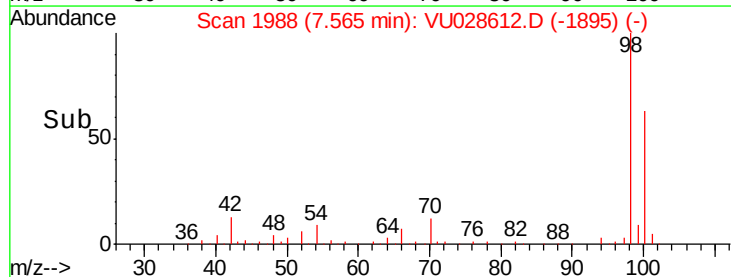
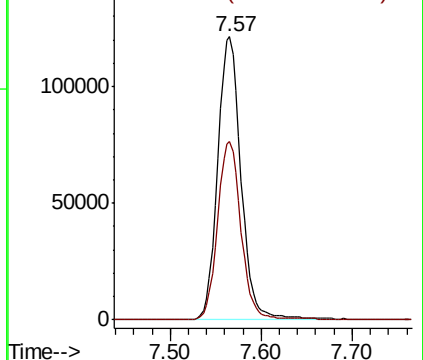
98 100

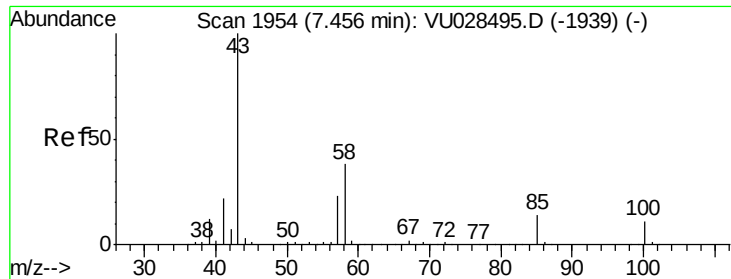
100 63.3 51.0 76.6



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: 0.462 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.11 min

Lab File: VU028612.D

Acq: 11 Dec 2018 17:13

Instrument :

MSVOA_U

ClientSampleId :

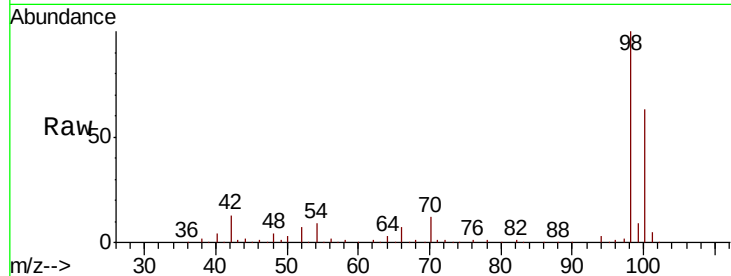
RE-122D3-20181206

Tot Ion: 43 Resp: 1088

Ion Ratio Lower Upper

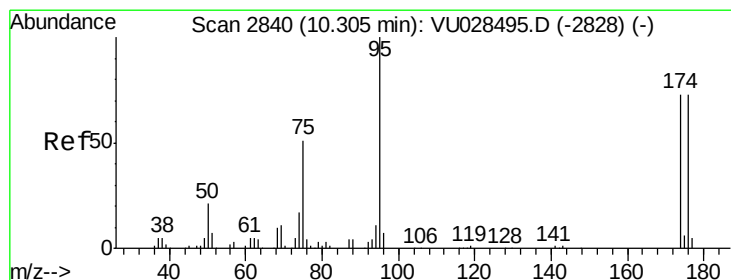
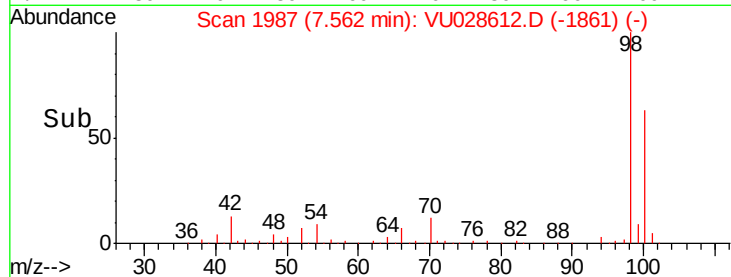
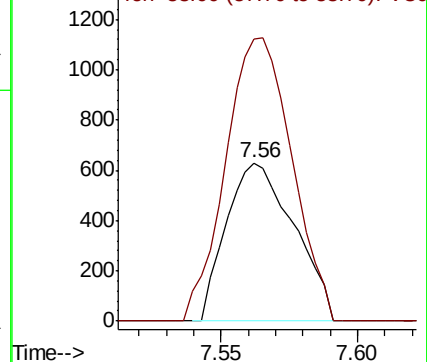
43 100

58 174.4 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: 45.980 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028612.D

Acq: 11 Dec 2018 17:13

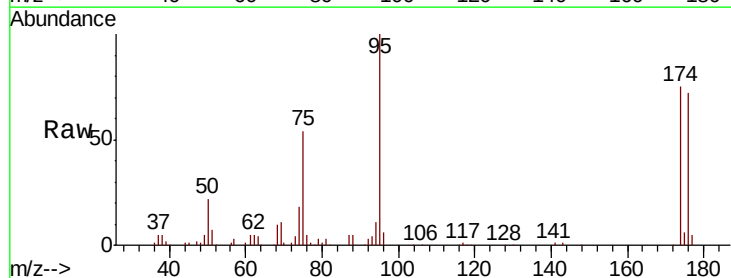
Tgt Ion: 95 Resp: 71374

Ion Ratio Lower Upper

95 100

174 74.4 0.0 150.4

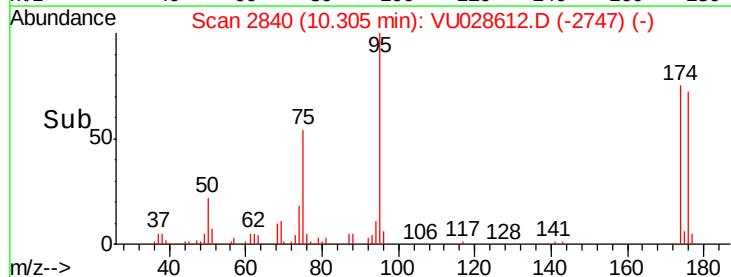
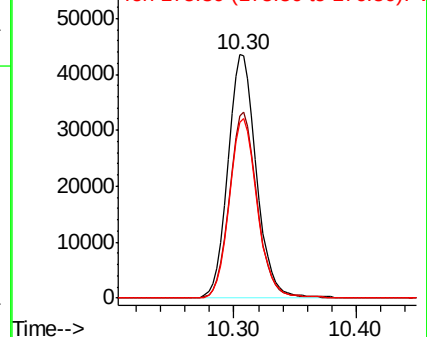
176 72.4 0.0 145.2

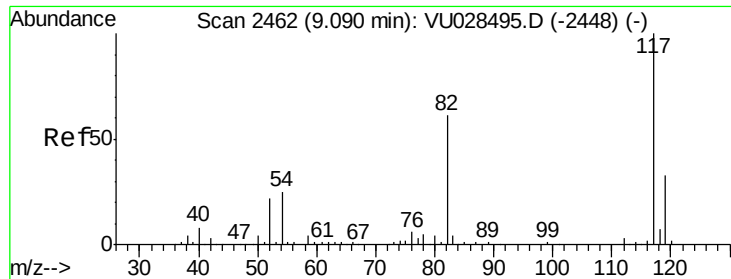


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

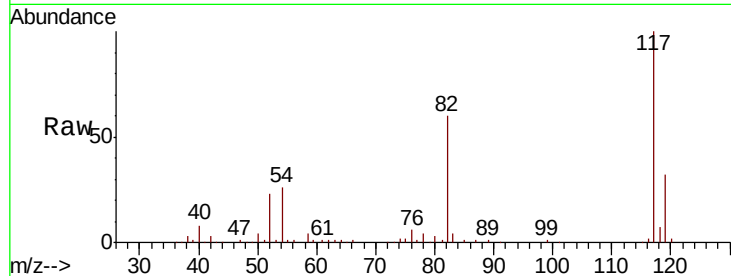




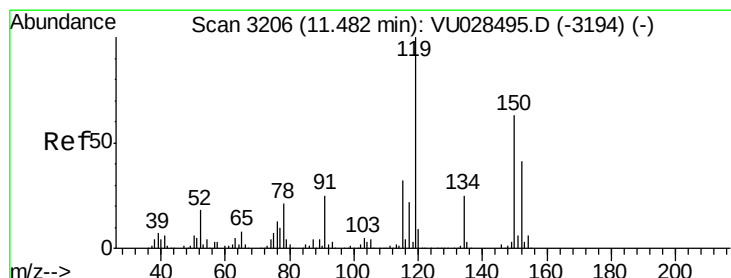
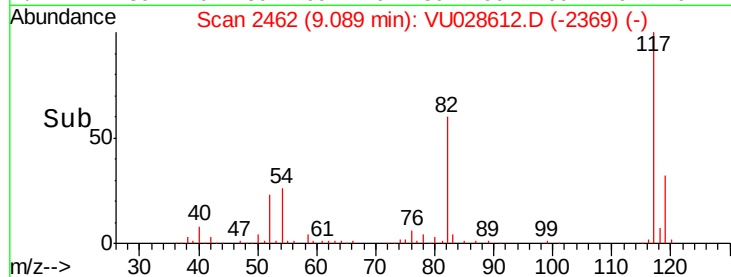
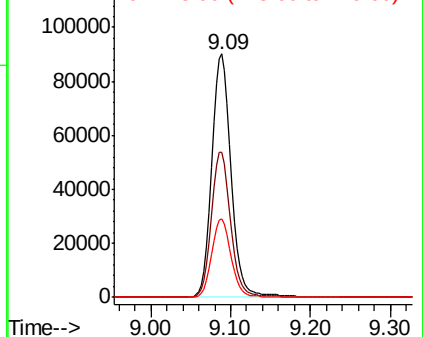
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028612.D
Acq: 11 Dec 2018 17:13

Instrument :
MSVOA_U
ClientSampleId :
RE-122D3-20181206

Tot Ion:117 Resp: 152368
Ion Ratio Lower Upper
117 100
82 59.8 48.9 73.3
119 32.2 26.2 39.4

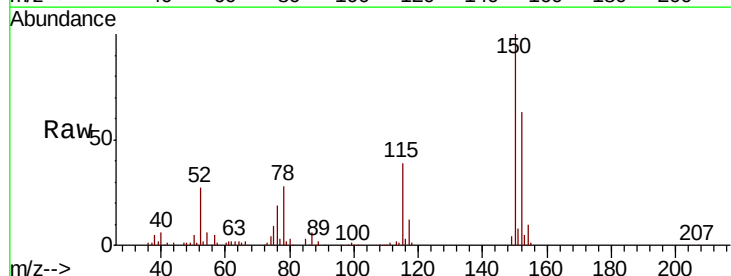


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

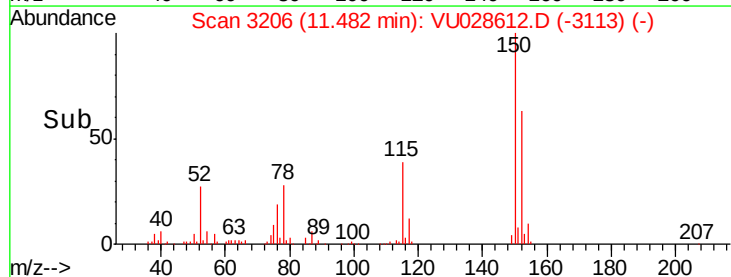
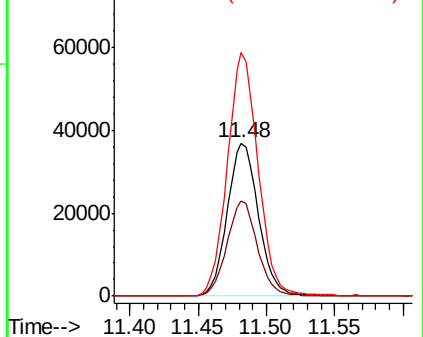


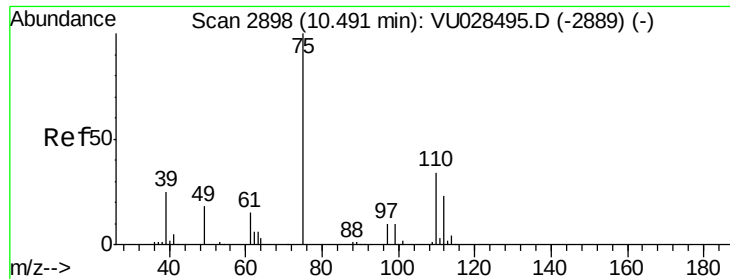
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028612.D
Acq: 11 Dec 2018 17:13

Tgt Ion:152 Resp: 58998
Ion Ratio Lower Upper
152 100
115 60.5 42.7 128.1
150 156.3 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: 24.974 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028612.D

Acq: 11 Dec 2018 17:13

Instrument :

MSVOA_U

ClientSampleId :

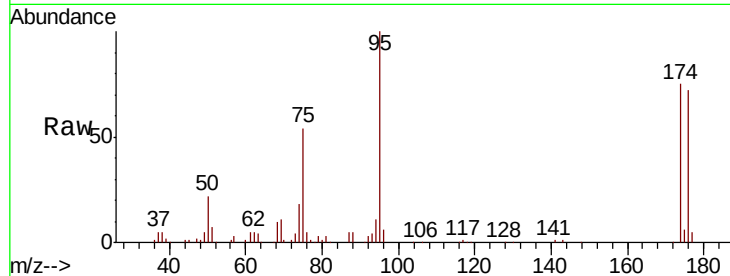
RE-122D3-20181206

Tot Ion: 75 Resp: 37624

Ion Ratio Lower Upper

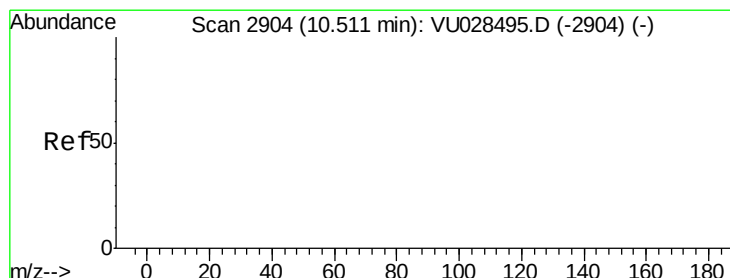
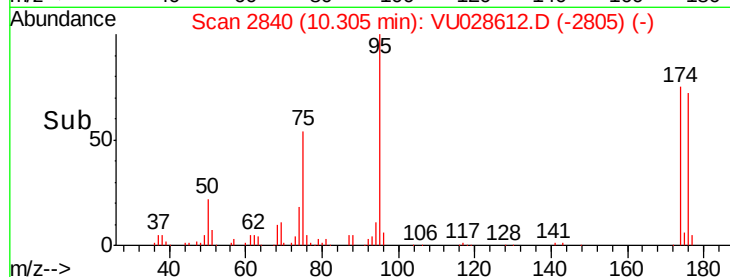
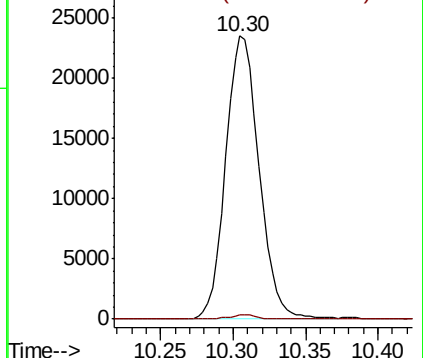
75 100

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: 61.284 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028612.D

Acq: 11 Dec 2018 17:13

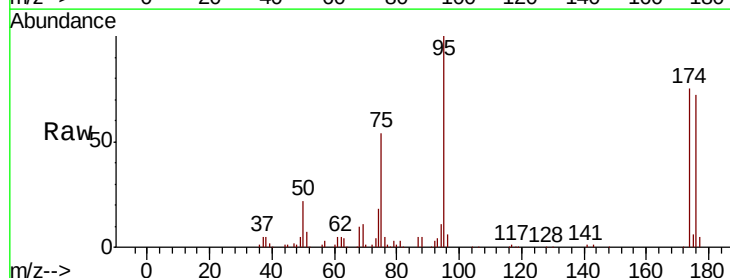
Tgt Ion: 75 Resp: 37624

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

