

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028567.D
 Acq On : 10 Dec 2018 21:37
 Operator : MD/SY
 Sample : J6325-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-120D3-20181205

Quant Time: Dec 11 03:41:06 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

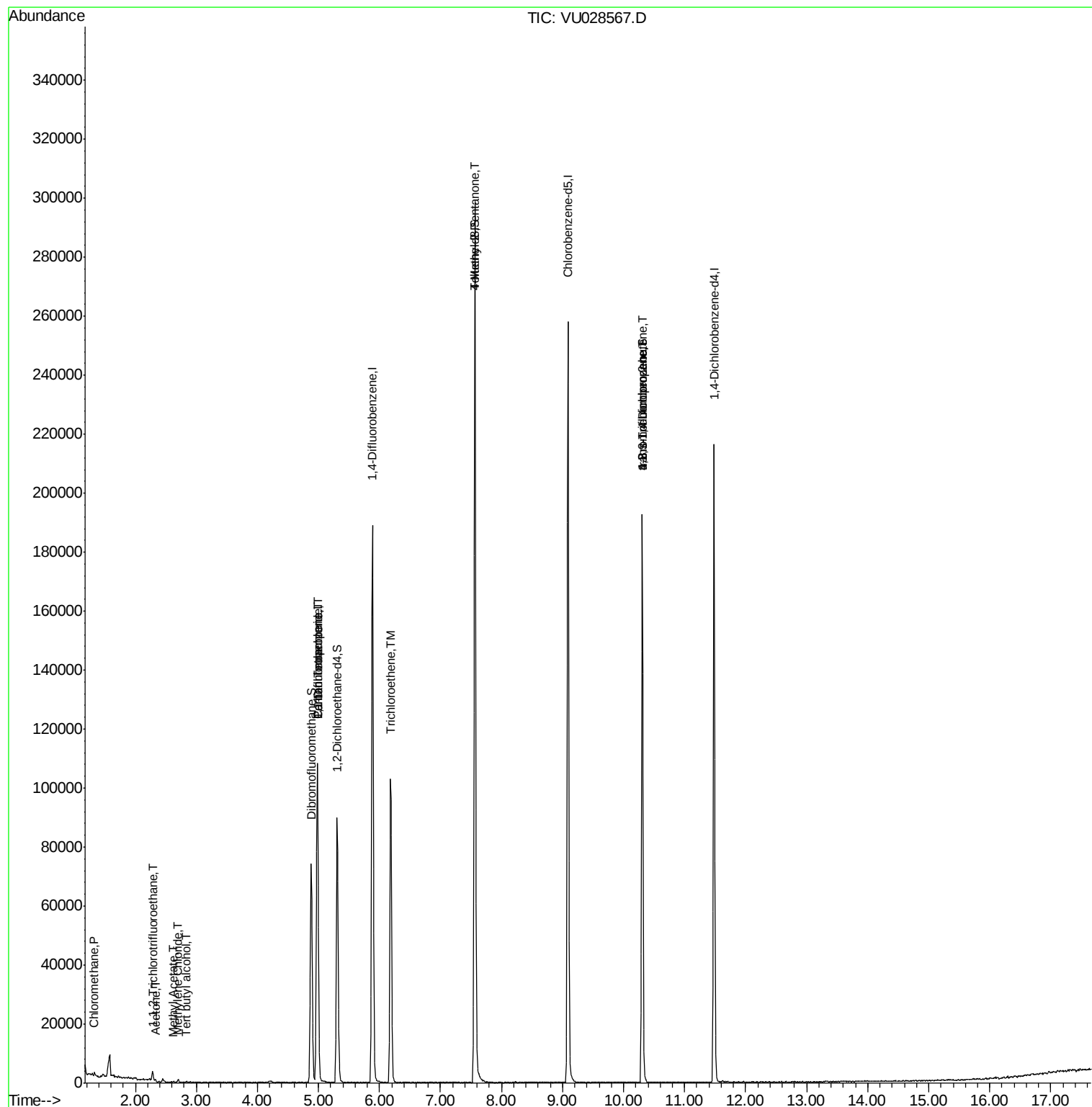
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	80058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	149481	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	52048	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	70104	57.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.76%	
35) Dibromofluoromethane	4.88	113	51251	54.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.96%	
50) Toluene-d8	7.57	98	194630	52.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.60%	
62) 4-Bromofluorobenzene	10.31	95	64283	46.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.44%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1262	0.640	ug/l #	81
9) 1,1,2-Trichlorotrifluoroet	2.28	101	1272	1.420	ug/l	97
11) Tert butyl alcohol	2.83	59	314	1.154	ug/l #	73
16) Acetone	2.32	43	960	1.204	ug/l #	87
18) Methyl Acetate	2.63	43	518	0.251	ug/l #	56
20) Methylene Chloride	2.70	84	278	0.237	ug/l #	64
31) Cyclohexane	4.98	56	1856	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7289	4.456	ug/l #	49
38) Carbon Tetrachloride	4.98	117	7705	5.844	ug/l #	15
44) Trichloroethene	6.18	130	34164	31.893	ug/l	99
51) 4-Methyl-2-Pentanone	7.56	43	974	0.462	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	34006	25.587	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	34006	62.774	ug/l #	100

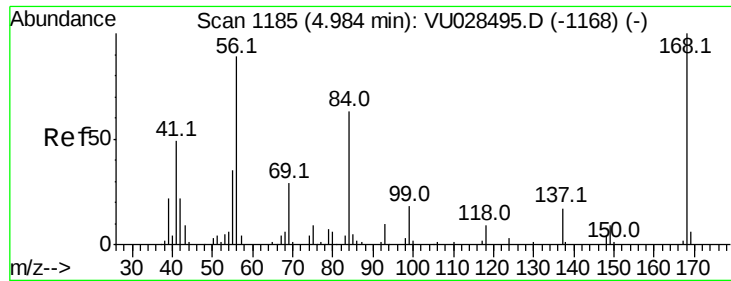
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028567.D

Acq: 10 Dec 2018 21:37

Instrument :

MSVOA_U

ClientSampleId :

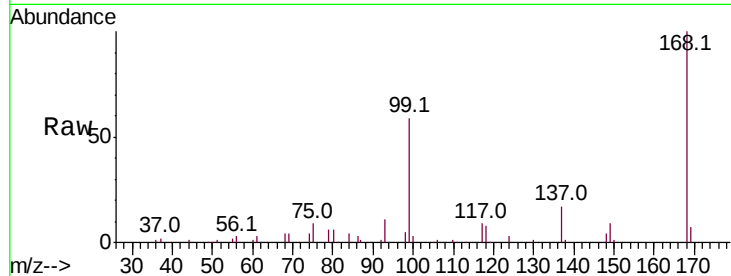
RE-120D3-20181205

Tot Ion:168 Resp: 80058

Ion Ratio Lower Upper

168 100

99 59.2 46.6 69.8



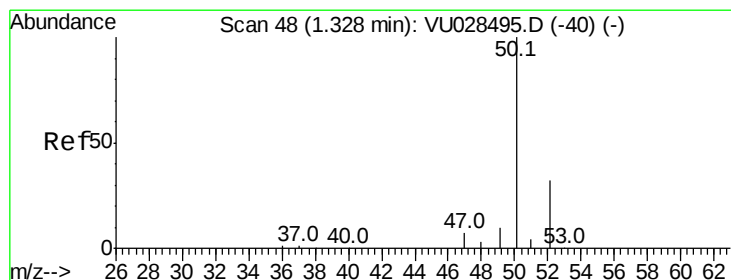
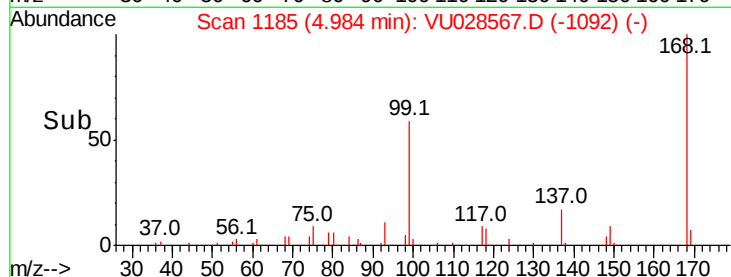
Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

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

4.98

4.90 4.95 5.00 5.05

Time-->



#3

Chloromethane

Concen: 0.640 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028567.D

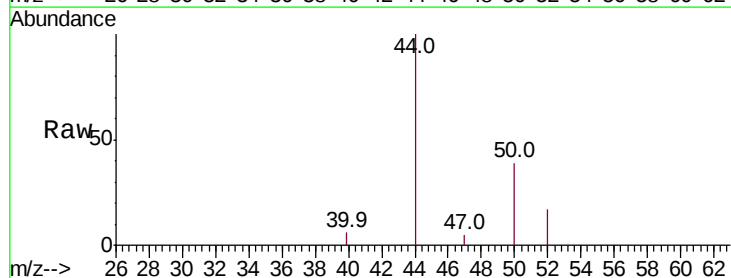
Acq: 10 Dec 2018 21:37

Tgt Ion: 50 Resp: 1262

Ion Ratio Lower Upper

50 100

52 42.3 25.5 38.3#



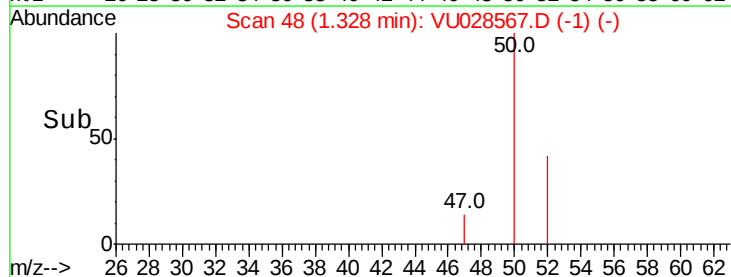
Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

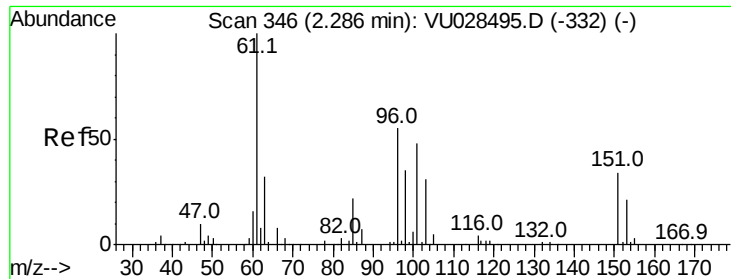
Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)

1.33

1.30 1.35

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.420 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028567.D

Acq: 10 Dec 2018 21:37

Instrument :

MSVOA_U

ClientSampleId :

RE-120D3-20181205

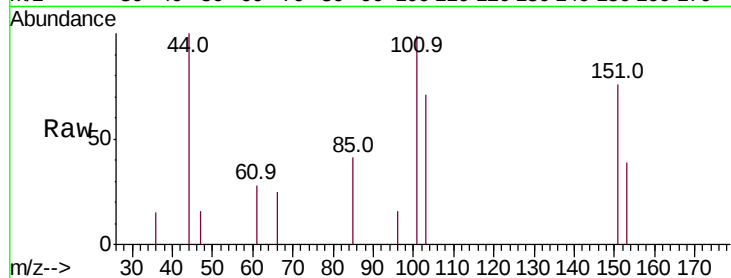
Tot Ion:101 Resp: 1272

Ion Ratio Lower Upper

101 100

85 41.4 36.4 54.6

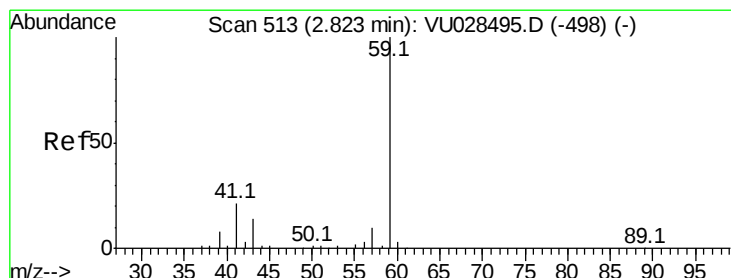
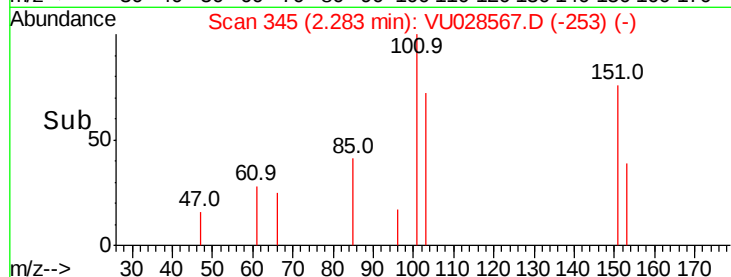
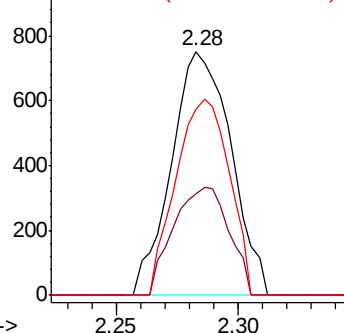
151 72.4 58.2 87.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 1.154 ug/l

RT: 2.83 min Scan# 516

Delta R.T. 0.01 min

Lab File: VU028567.D

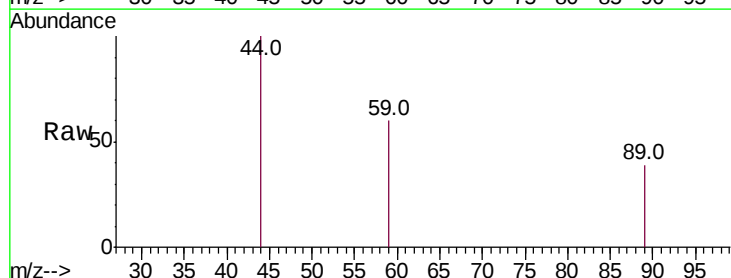
Acq: 10 Dec 2018 21:37

Tgt Ion: 59 Resp: 314

Ion Ratio Lower Upper

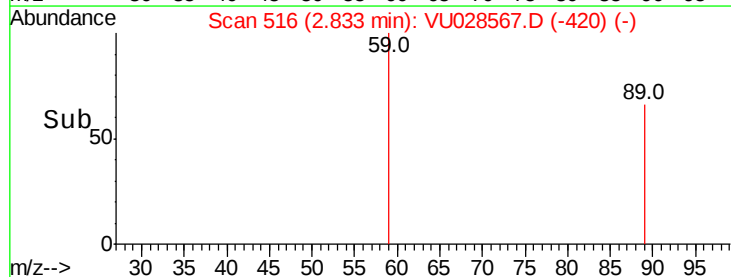
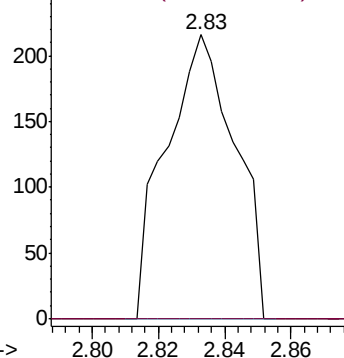
59 100

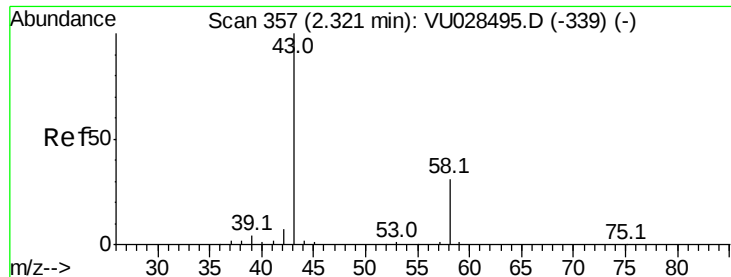
57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#16

Acetone

Concen: 1.204 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028567.D

Acq: 10 Dec 2018 21:37

Instrument :

MSVOA_U

ClientSampleId :

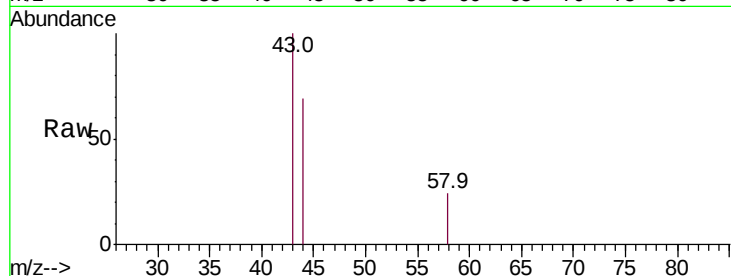
RE-120D3-20181205

Tot Ion: 43 Resp: 960

Ion Ratio Lower Upper

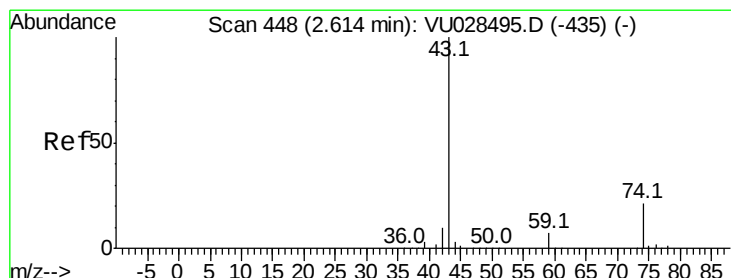
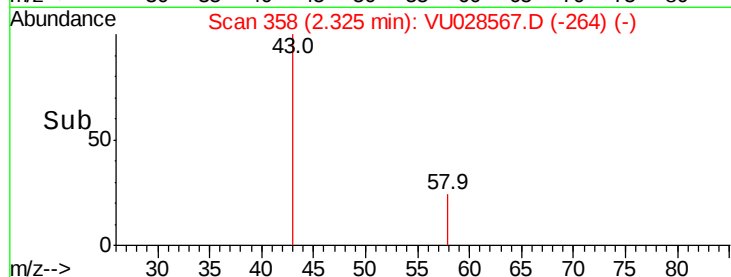
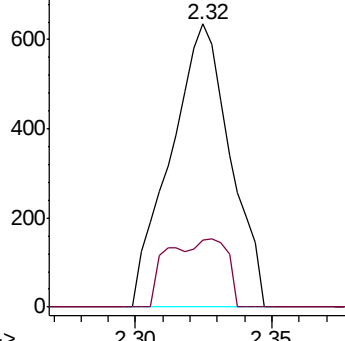
43 100

58 23.8 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 0.251 ug/l

RT: 2.63 min Scan# 452

Delta R.T. 0.01 min

Lab File: VU028567.D

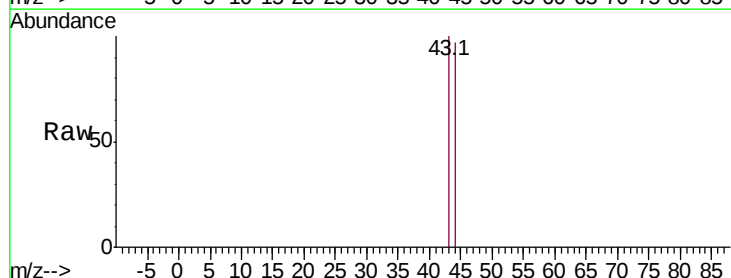
Acq: 10 Dec 2018 21:37

Tgt Ion: 43 Resp: 518

Ion Ratio Lower Upper

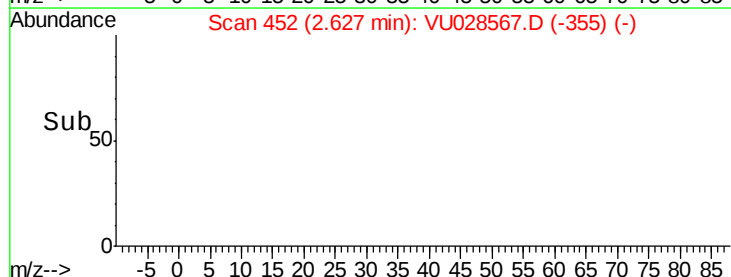
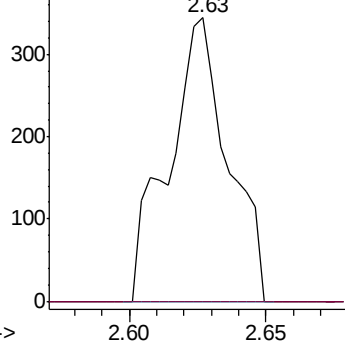
43 100

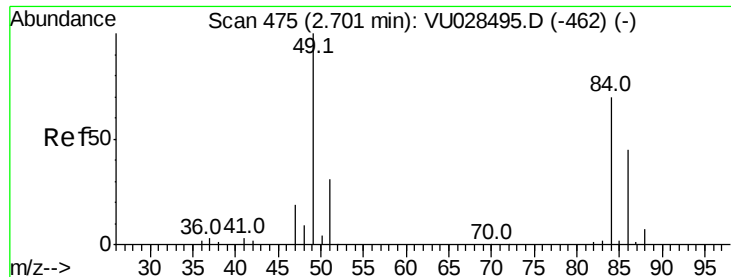
74 0.0 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#20

Methvlene Chloride

Concen: 0.237 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU028567.D

Acq: 10 Dec 2018 21:37

Instrument :

MSVOA_U

ClientSampleId :

RE-120D3-20181205

Tot Ion: 84 Resp: 278

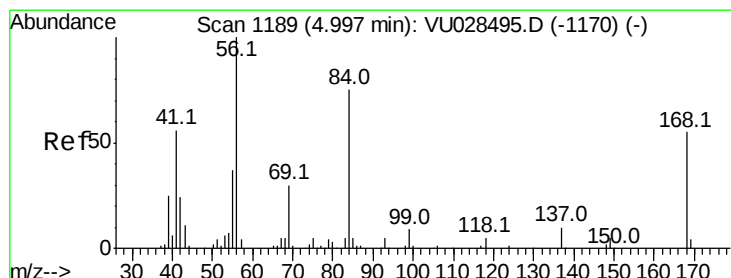
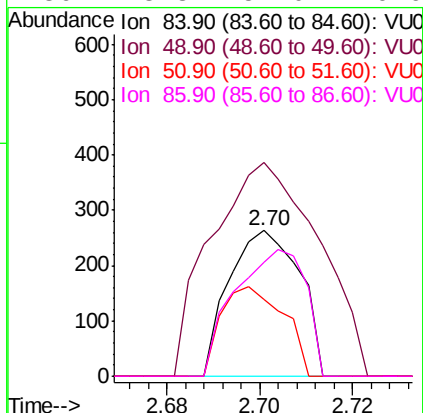
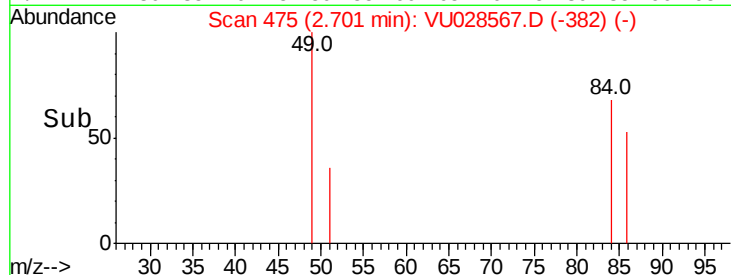
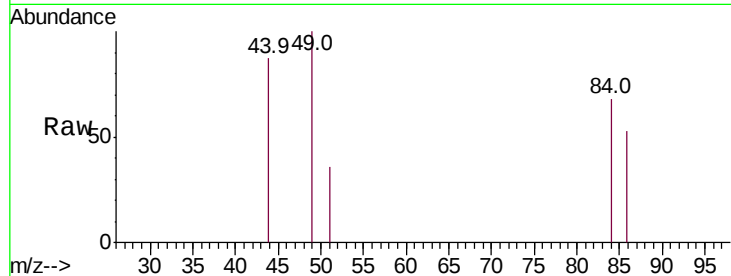
Ion Ratio Lower Upper

84 100

49 81.0 114.0 171.0#

51 52.9 35.1 52.7#

86 78.3 51.0 76.6#



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VU028567.D

Acq: 10 Dec 2018 21:37

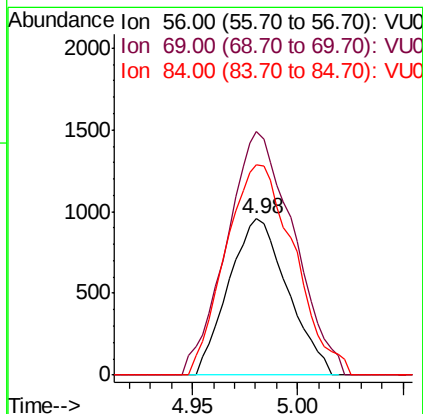
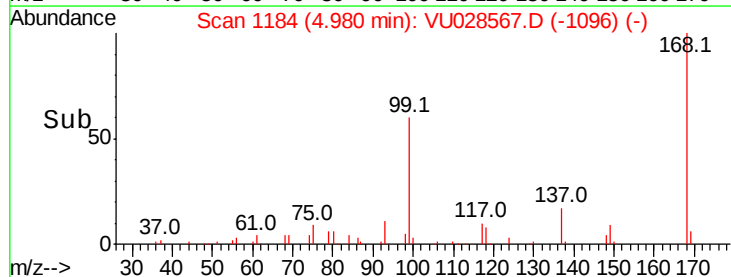
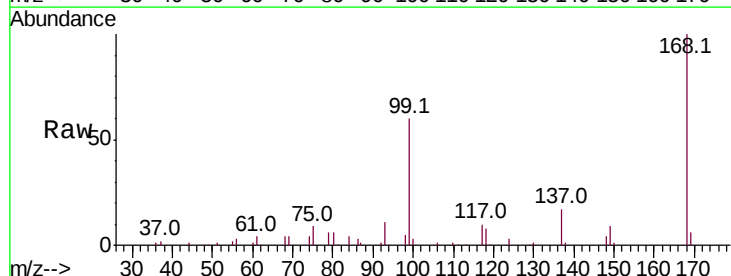
Tgt Ion: 56 Resp: 1856

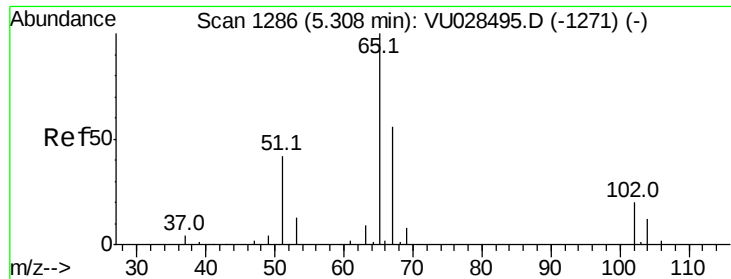
Ion Ratio Lower Upper

56 100

69 143.1 24.0 36.0#

84 134.3 59.7 89.5#

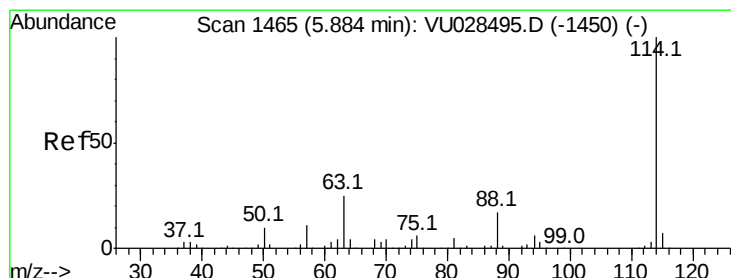
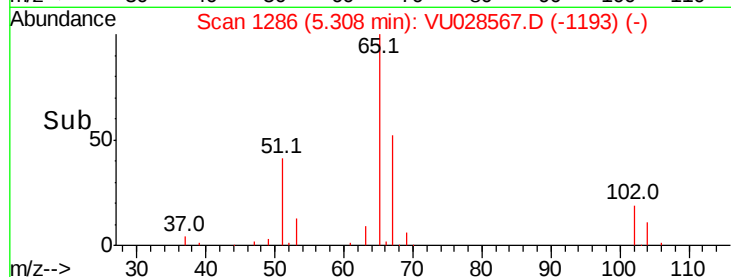
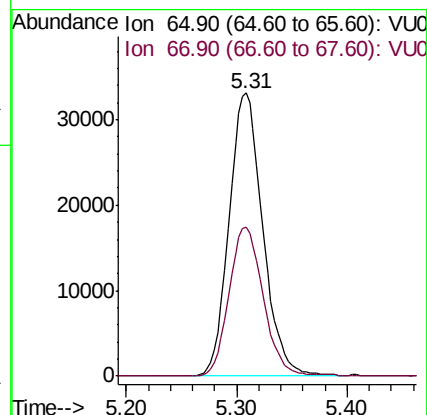
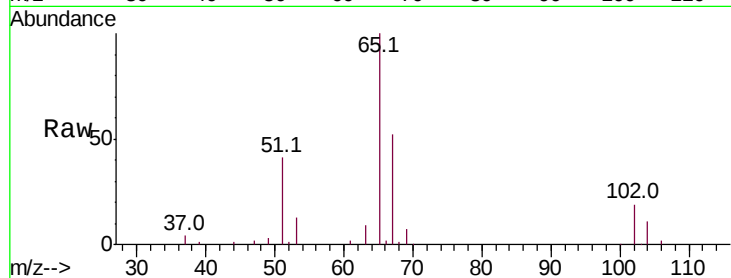




#33
 1,2-Dichloroethane-d4
 Concen: 57.381 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028567.D
 Acq: 10 Dec 2018 21:37

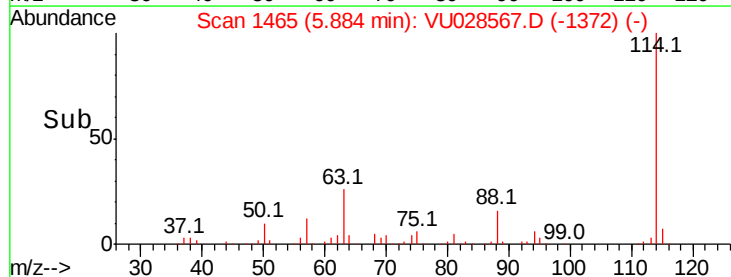
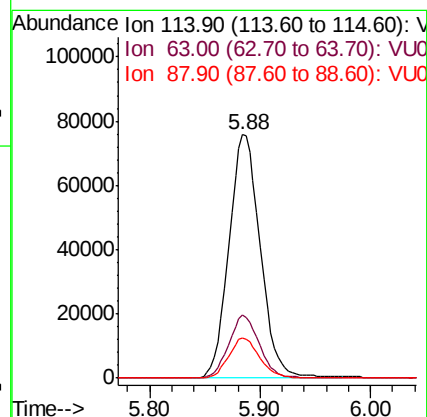
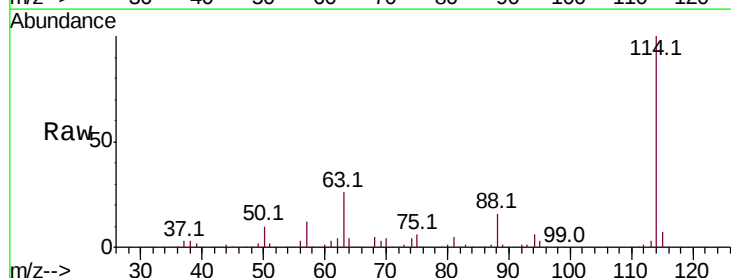
Instrument :
 MSVOA_U
 ClientSampleId :
 RE-120D3-20181205

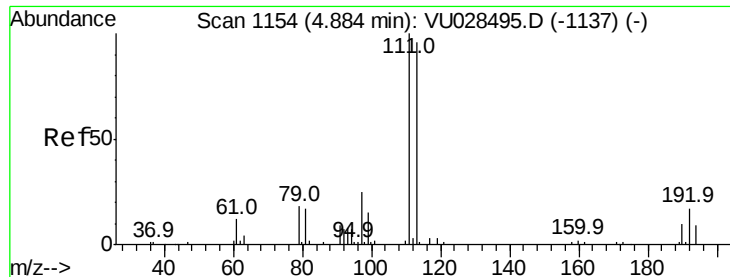
Tot Ion: 65 Resp: 70104
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028567.D
 Acq: 10 Dec 2018 21:37

Tgt Ion: 114 Resp: 149481
 Ion Ratio Lower Upper
 114 100
 63 25.7 0.0 49.2
 88 16.4 0.0 33.4

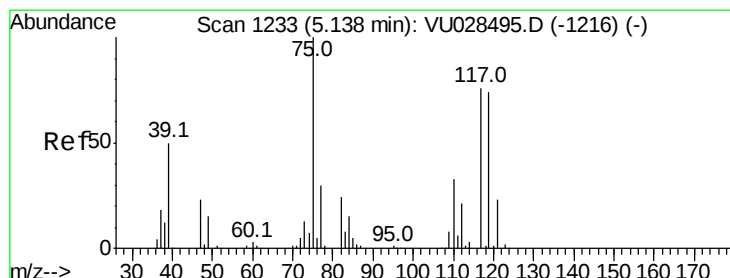
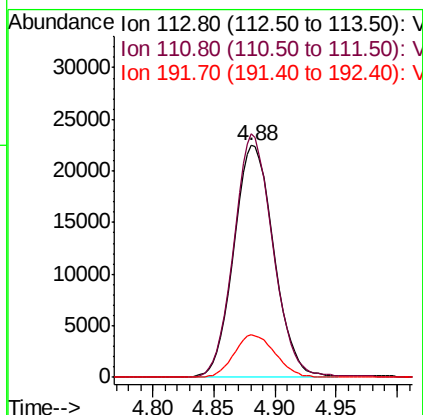
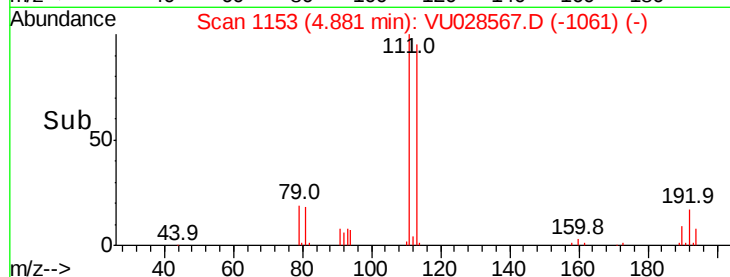
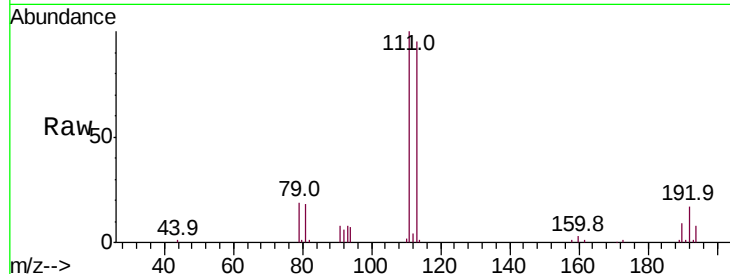




#35
 Dibromofluoromethane
 Concen: 54.482 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028567.D
 Acq: 10 Dec 2018 21:37

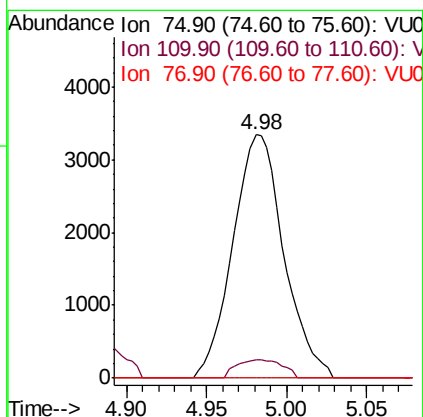
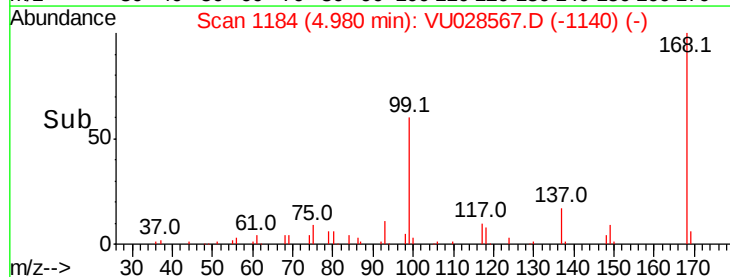
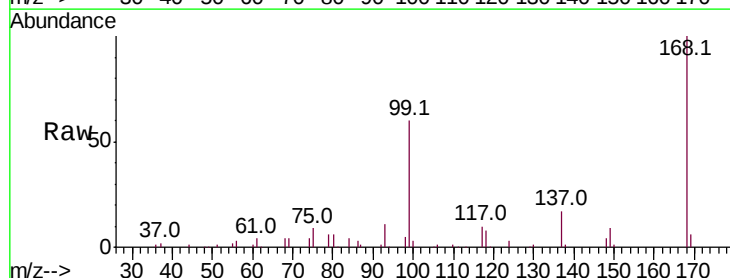
Instrument :
 MSVOA_U
 ClientSampleId :
 RE-120D3-20181205

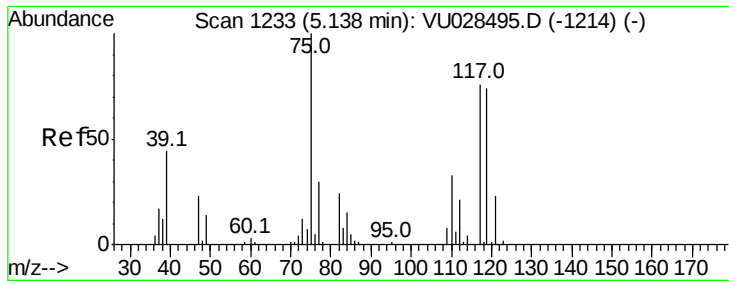
Tot Ion:113 Resp: 51251
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.4 125.0
 192 18.6 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.456 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028567.D
 Acq: 10 Dec 2018 21:37

Tgt Ion: 75 Resp: 7289
 Ion Ratio Lower Upper
 75 100
 110 6.8 16.1 48.2#
 77 0.0 24.5 36.7#

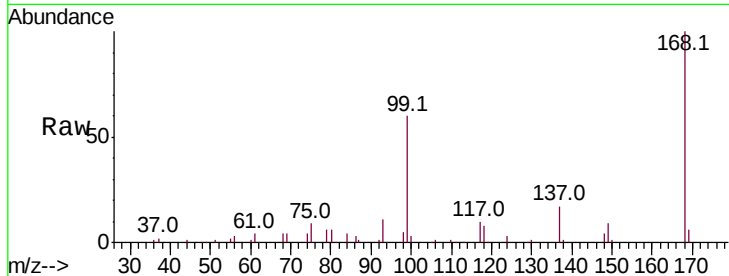




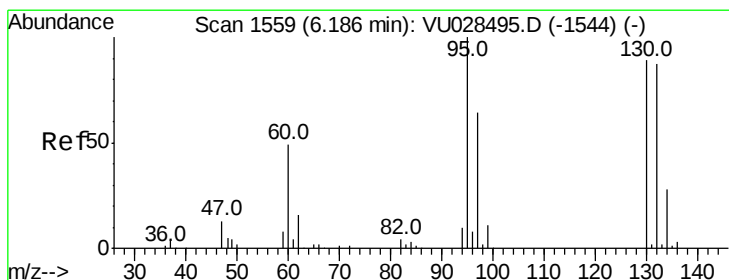
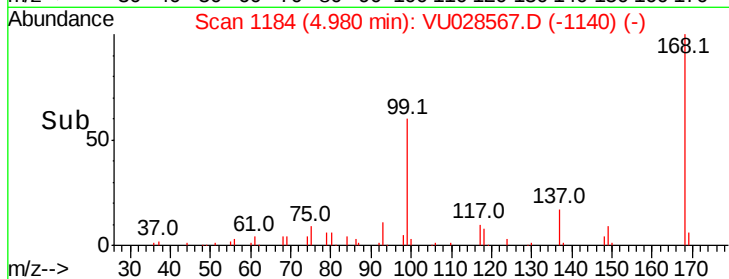
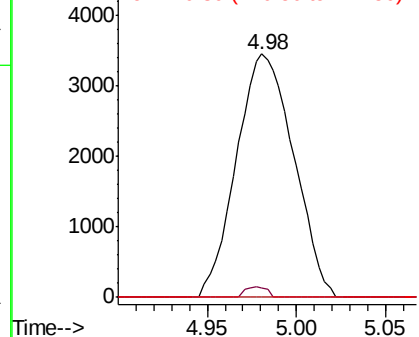
#38
Carbon Tetrachloride
Concen: 5.844 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.16 min
Lab File: VU028567.D
Acq: 10 Dec 2018 21:37

Instrument :
MSVOA_U
ClientSampleId :
RE-120D3-20181205

Tot Ion:117 Resp: 7705
Ion Ratio Lower Upper
117 100
119 3.9 77.6 116.4#
121 0.0 24.6 36.8#

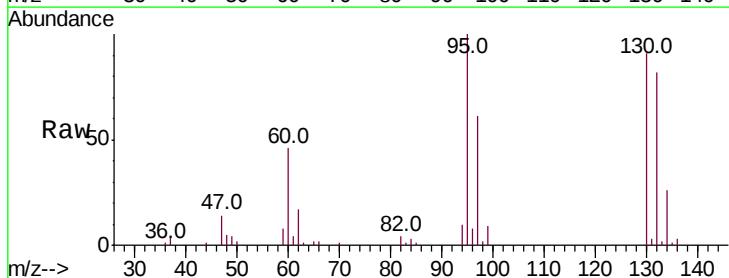


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

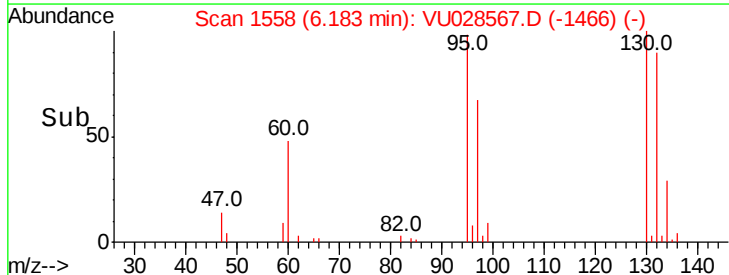
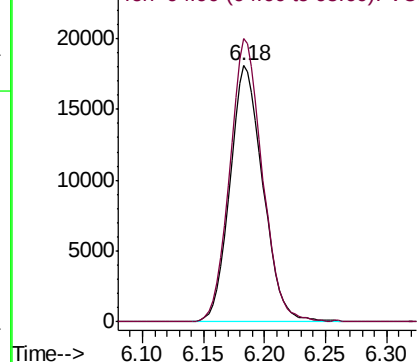


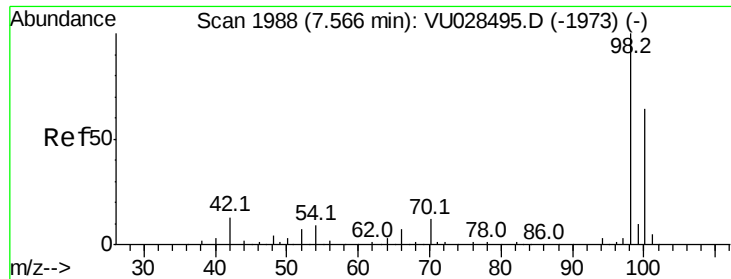
#44
Trichloroethene
Concen: 31.893 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VU028567.D
Acq: 10 Dec 2018 21:37

Tgt Ion:130 Resp: 34164
Ion Ratio Lower Upper
130 100
95 110.4 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: 52.303 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028567.D

Acq: 10 Dec 2018 21:37

Instrument :

MSVOA_U

ClientSampleId :

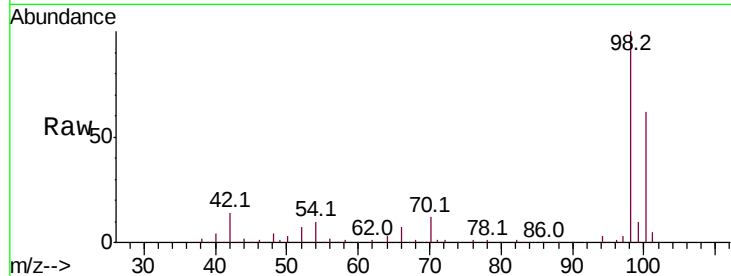
RE-120D3-20181205

Tot Ion: 98 Resp: 194630

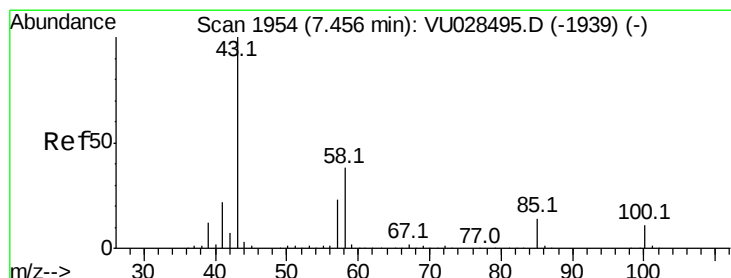
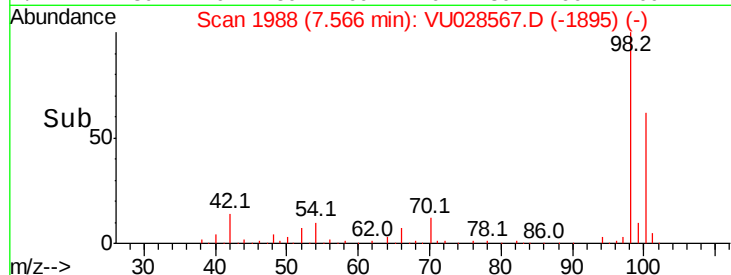
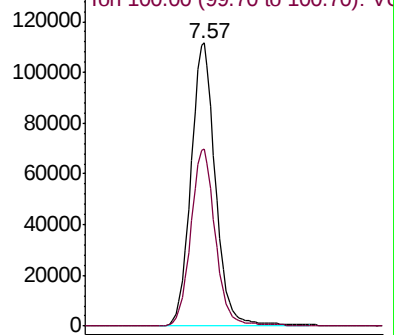
Ion Ratio Lower Upper

98 100

100 62.7 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): 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: VU028567.D

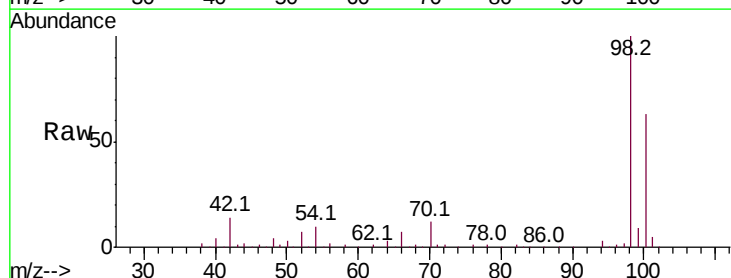
Acq: 10 Dec 2018 21:37

Tgt Ion: 43 Resp: 974

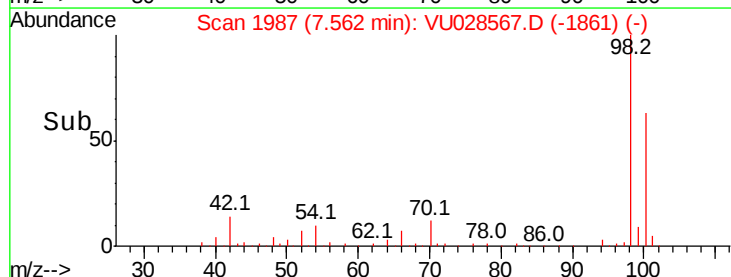
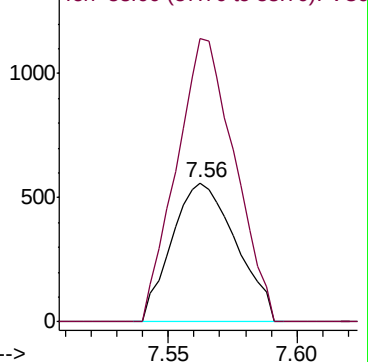
Ion Ratio Lower Upper

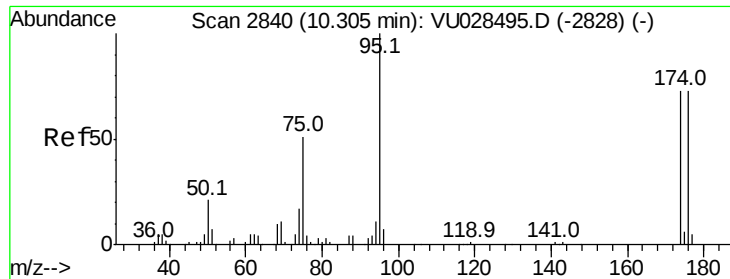
43 100

58 184.8 30.2 45.2#



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





#62

4-Bromofluorobenzene

Concen: 46.218 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028567.D

Acq: 10 Dec 2018 21:37

Instrument :

MSVOA_U

ClientSampleId :

RE-120D3-20181205

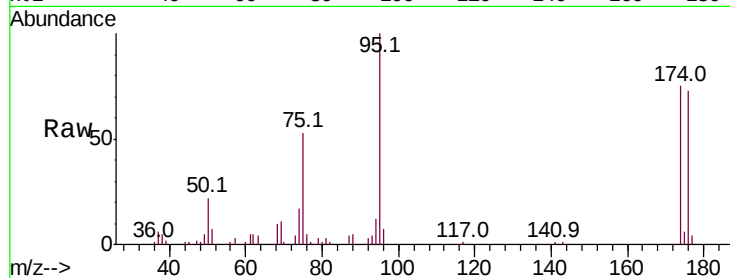
Tot Ion: 95 Resp: 64283

Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.4

176 73.0 0.0 145.2

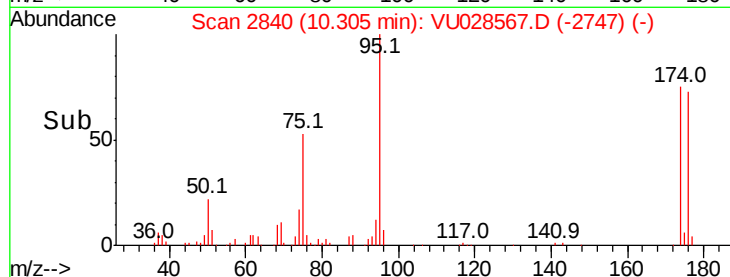


Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)

Time-->

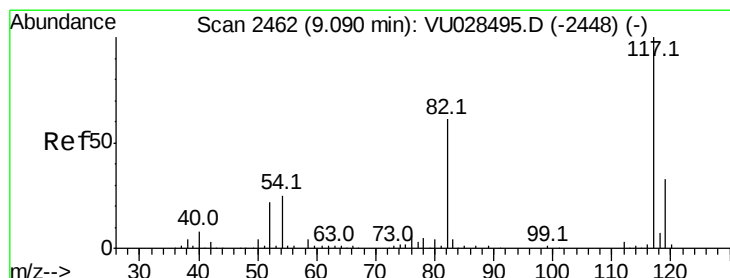


Abundance Ion 94.90 (94.60 to 95.60): VU028567.D (-2747) (-)

Ion 173.80 (173.50 to 174.50): VU028567.D (-2747) (-)

Ion 175.80 (175.50 to 176.50): VU028567.D (-2747) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VU028567.D

Acq: 10 Dec 2018 21:37

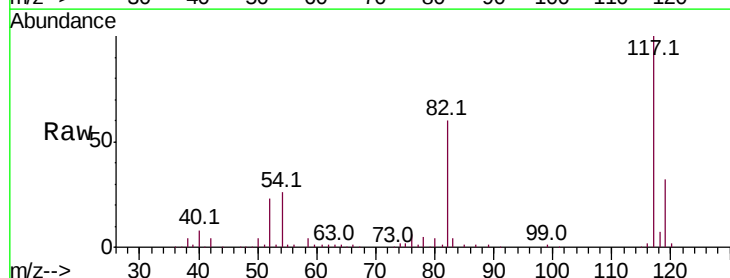
Tgt Ion: 117 Resp: 134906

Ion Ratio Lower Upper

117 100

82 60.0 48.9 73.3

119 32.2 26.2 39.4

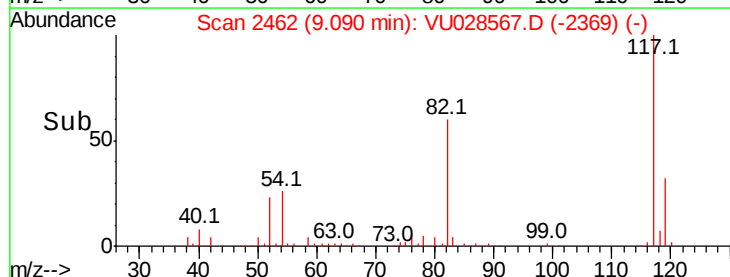


Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)

Time-->

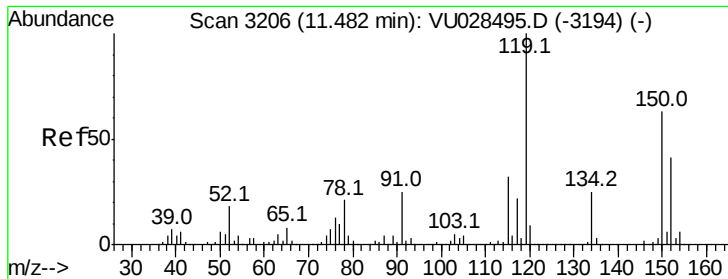


Abundance Ion 116.90 (116.60 to 117.60): VU028567.D (-2369) (-)

Ion 82.00 (81.70 to 82.70): VU028567.D (-2369) (-)

Ion 118.90 (118.60 to 119.60): VU028567.D (-2369) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028567.D

Acq: 10 Dec 2018 21:37

Instrument :

MSVOA_U

ClientSampleId :

RE-120D3-20181205

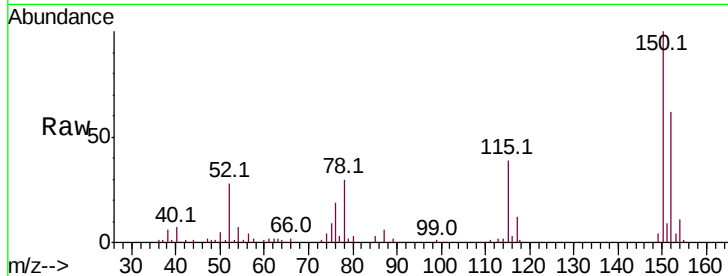
Tot Ion:152 Resp: 52048

Ion Ratio Lower Upper

152 100

115 61.5 42.7 128.1

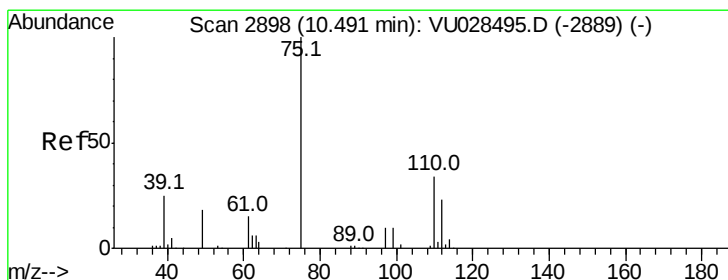
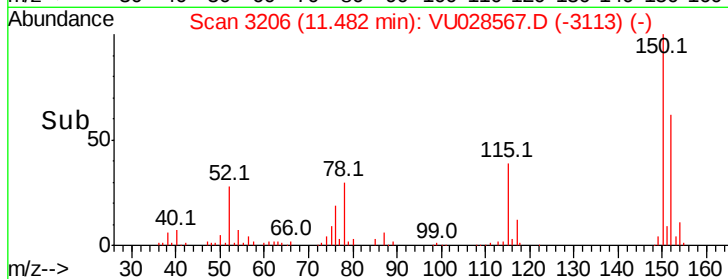
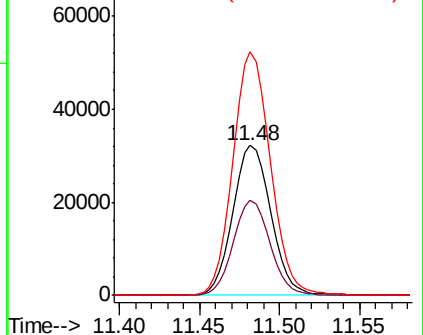
150 160.8 0.0 346.0



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: 25.587 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028567.D

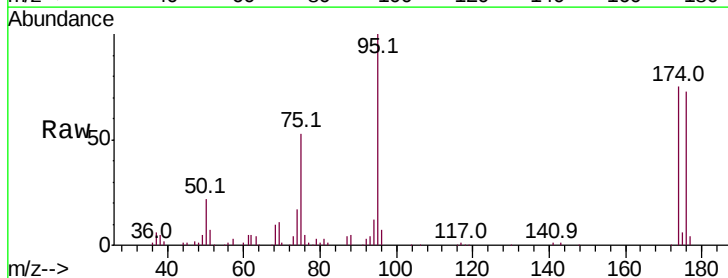
Acq: 10 Dec 2018 21:37

Tgt Ion: 75 Resp: 34006

Ion Ratio Lower Upper

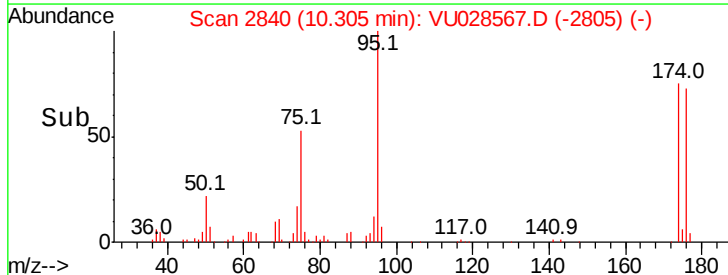
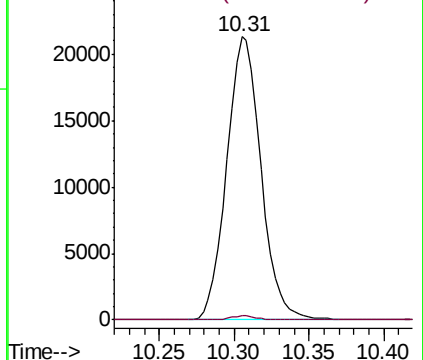
75 100

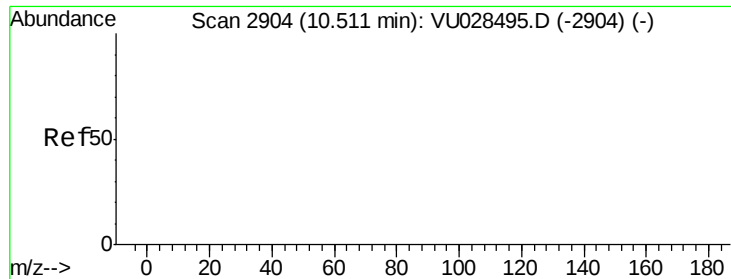
77 1.0 20.8 62.4#



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: 62.774 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.20 min

Lab File: VU028567.D

Acq: 10 Dec 2018 21:37

Instrument :

MSVOA_U

ClientSampleId :

RE-120D3-20181205

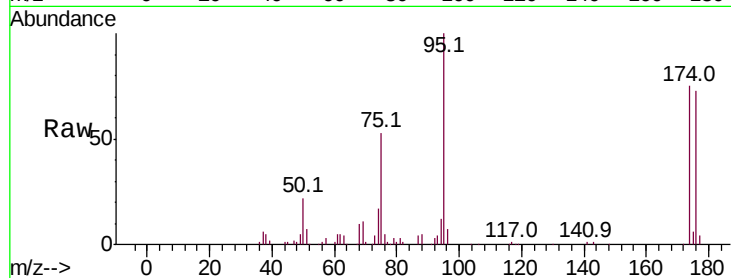
Tot Ion: 75 Resp: 34006

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

