

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121318\
 Data File : VU028613.D
 Acq On : 11 Dec 2018 17:37
 Operator : MD/SY
 Sample : J6325-10RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-120D3-20181205

Quant Time: Dec 12 04:11:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	88628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	165217	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	147759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	57334	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	75910	56.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.24%	
35) Dibromofluoromethane	4.88	113	54621	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
50) Toluene-d8	7.57	98	211789	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
62) 4-Bromofluorobenzene	10.31	95	69482	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	

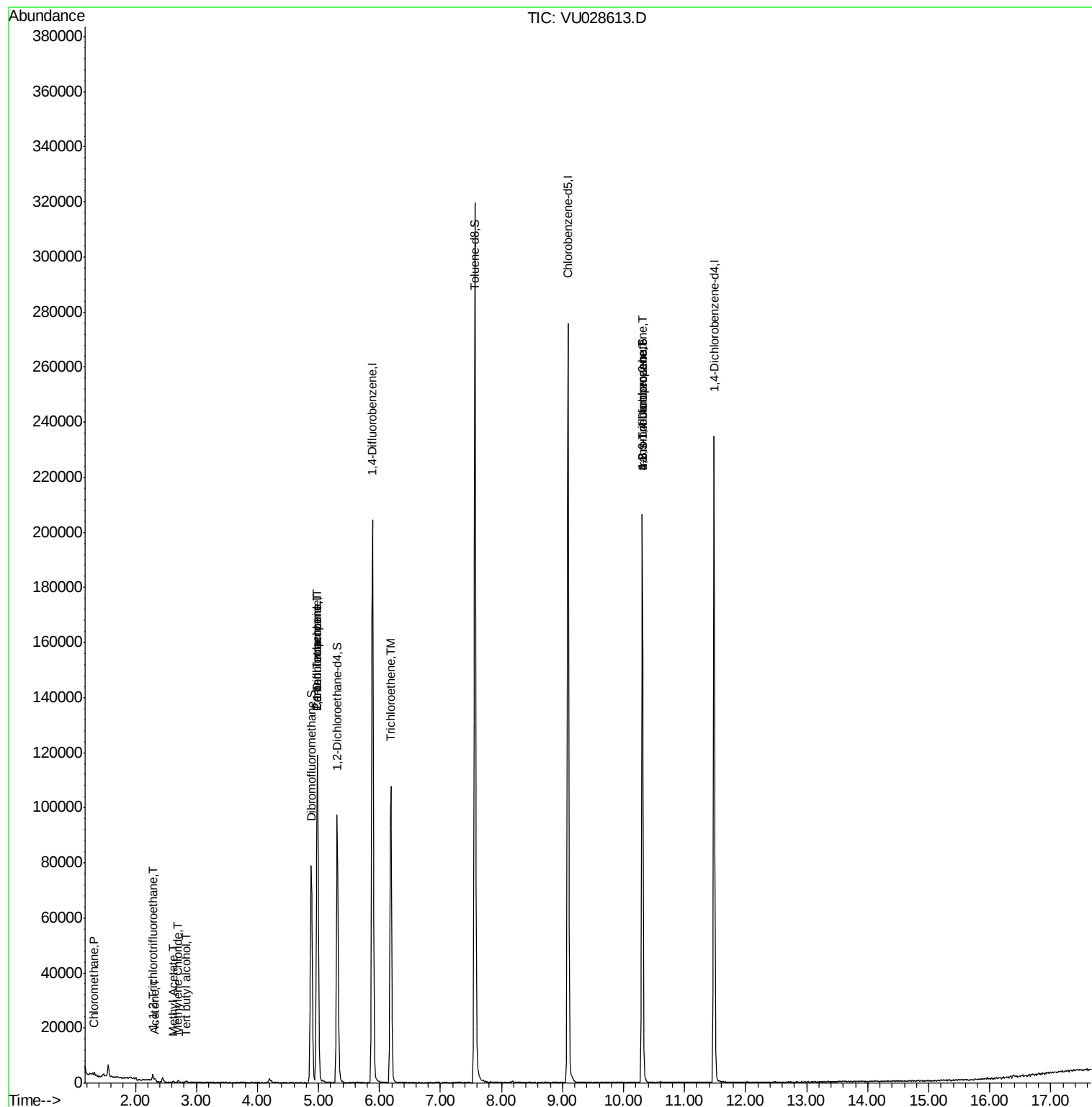
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	822	0.376	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.29	101	869	0.876	ug/l #	76
11) Tert butyl alcohol	2.84	59	342	1.135	ug/l #	73
16) Acetone	2.32	43	1460	1.654	ug/l	93
18) Methyl Acetate	2.62	43	579	0.253	ug/l #	56
20) Methylene Chloride	2.70	84	324	0.249	ug/l #	71
31) Cyclohexane	4.98	56	1951	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8213	4.543	ug/l #	47
38) Carbon Tetrachloride	4.98	117	9019	6.189	ug/l #	15
44) Trichloroethene	6.19	130	34934	29.506	ug/l	98
76) 1,2,3-Trichloropropane	10.31	75	36259	24.766	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	36259	60.779	ug/l #	100

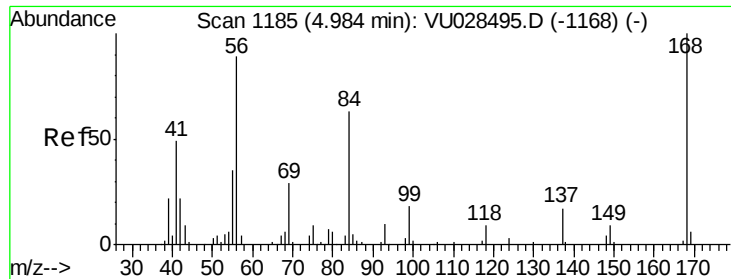
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028613.D

Acq: 11 Dec 2018 17:37

Instrument :

MSVOA_U

ClientSampleId :

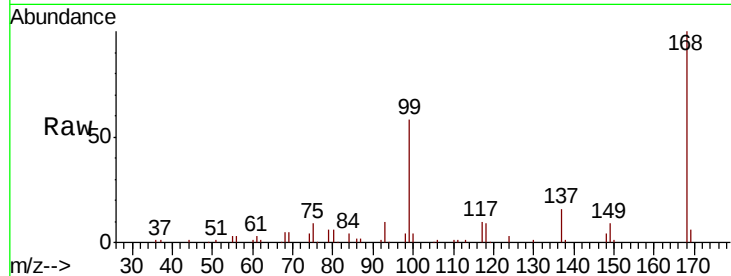
RE-120D3-20181205

Tot Ion:168 Resp: 88628

Ion Ratio Lower Upper

168 100

99 58.4 46.6 69.8



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

Ion 98.90 (98.60 to 99.60): VU028613.D (-1092) (-)

4.98

40000

30000

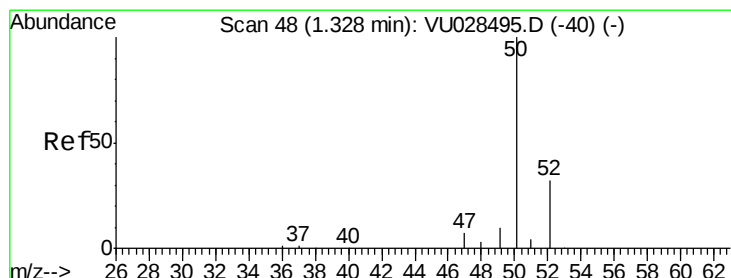
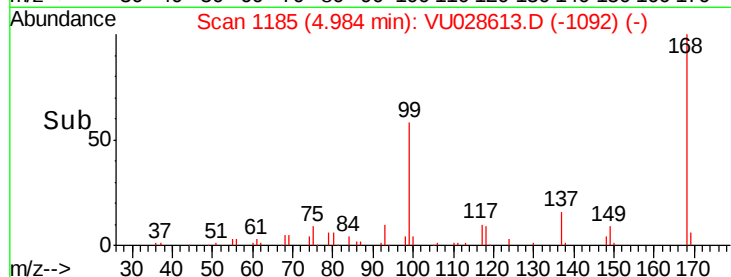
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#3

Chloromethane

Concen: 0.376 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028613.D

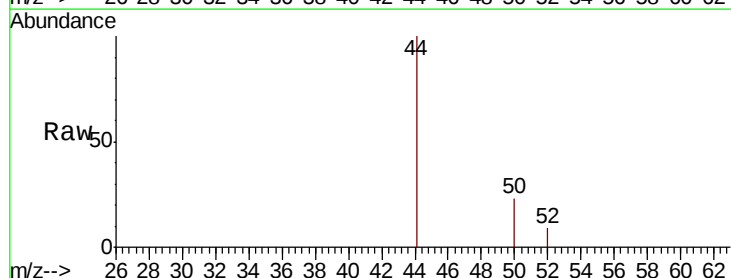
Acq: 11 Dec 2018 17:37

Tgt Ion: 50 Resp: 822

Ion Ratio Lower Upper

50 100

52 37.1 25.5 38.3



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

Ion 51.90 (51.60 to 52.60): VU028613.D (-1) (-)

1.33

800

600

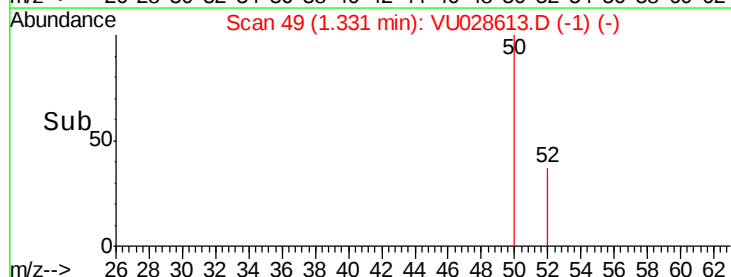
400

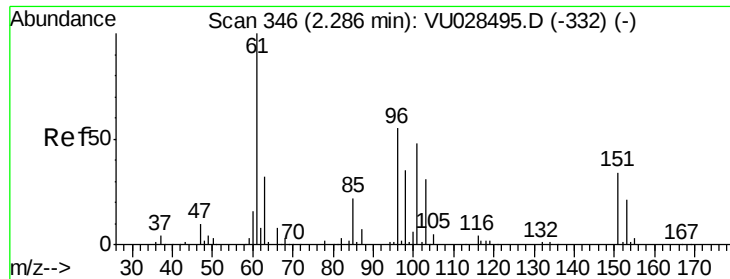
200

0

1.30 1.32 1.34 1.36

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.876 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028613.D

Acq: 11 Dec 2018 17:37

Instrument :

MSVOA_U

ClientSampleId :

RE-120D3-20181205

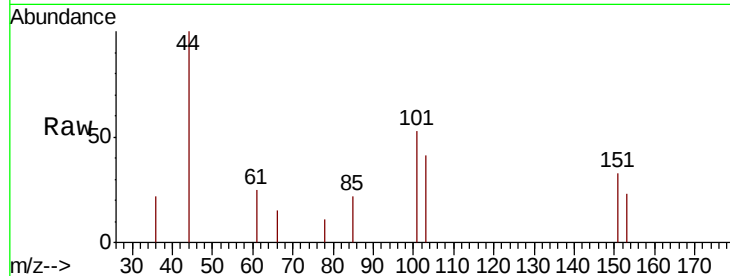
Tot Ion:101 Resp: 869

Ion Ratio Lower Upper

101 100

85 26.9 36.4 54.6#

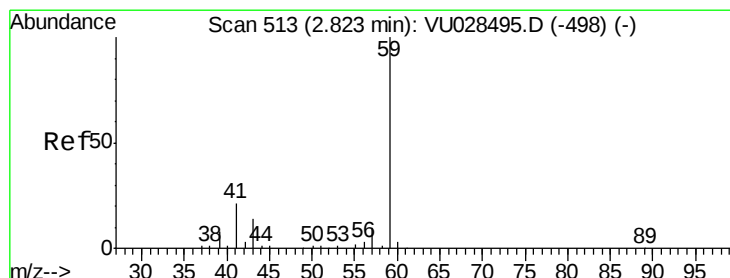
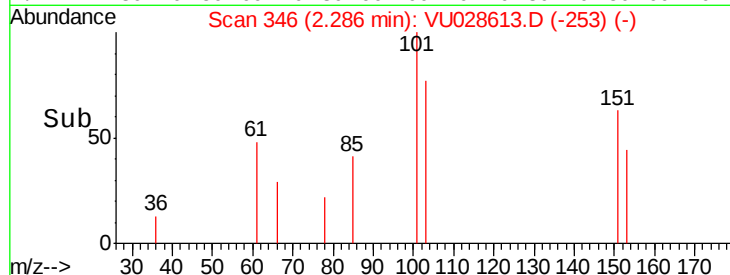
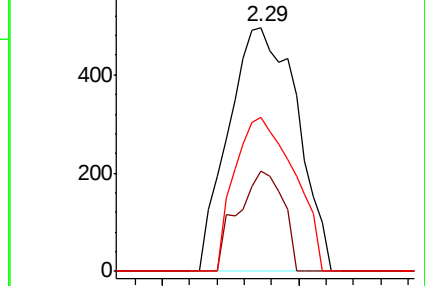
151 54.9 58.2 87.2#



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: 1.135 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU028613.D

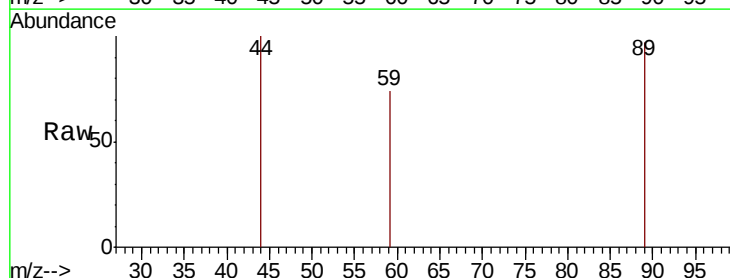
Acq: 11 Dec 2018 17:37

Tgt Ion: 59 Resp: 342

Ion Ratio Lower Upper

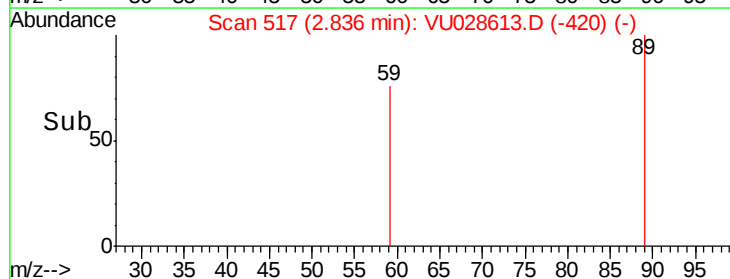
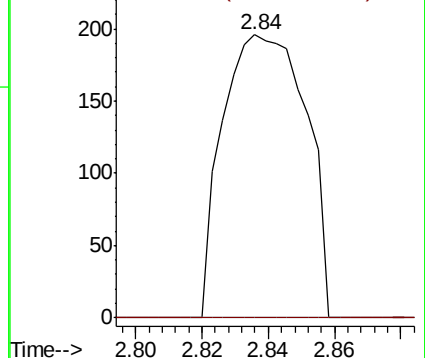
59 100

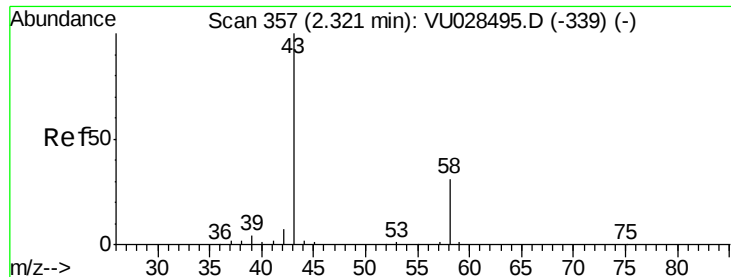
57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#16

Acetone

Concen: 1.654 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU028613.D

Acq: 11 Dec 2018 17:37

Instrument :

MSVOA_U

ClientSampleId :

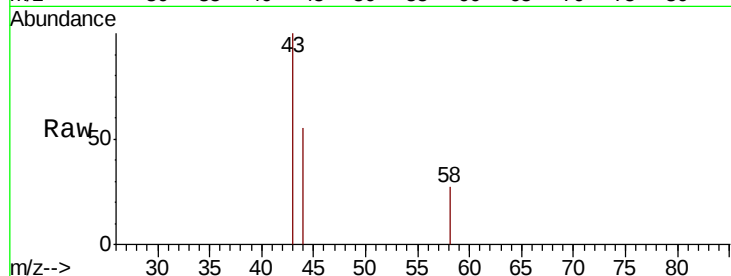
RE-120D3-20181205

Tot Ion: 43 Resp: 1460

Ion Ratio Lower Upper

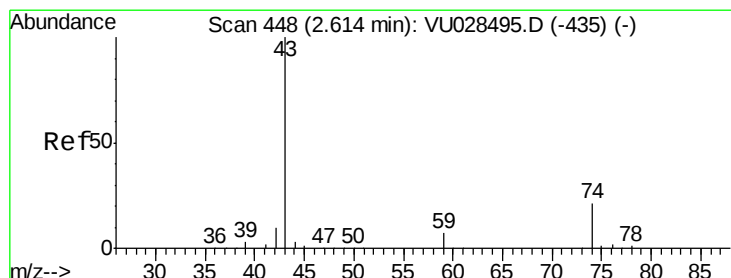
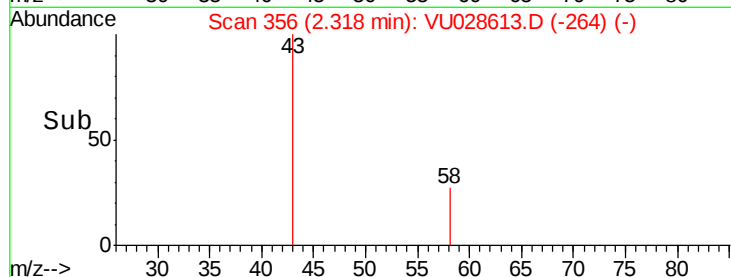
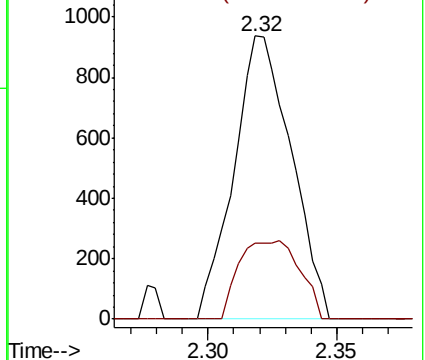
43 100

58 26.9 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: 0.253 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU028613.D

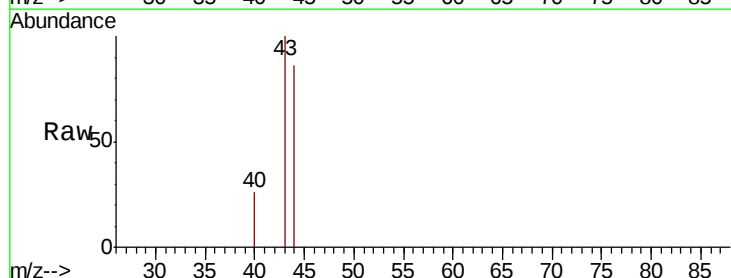
Acq: 11 Dec 2018 17:37

Tgt Ion: 43 Resp: 579

Ion Ratio Lower Upper

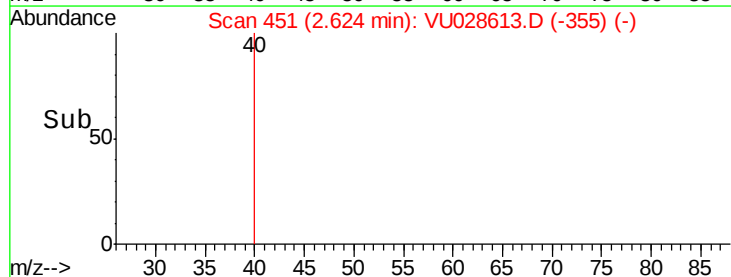
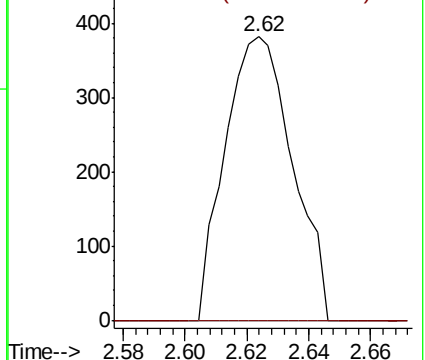
43 100

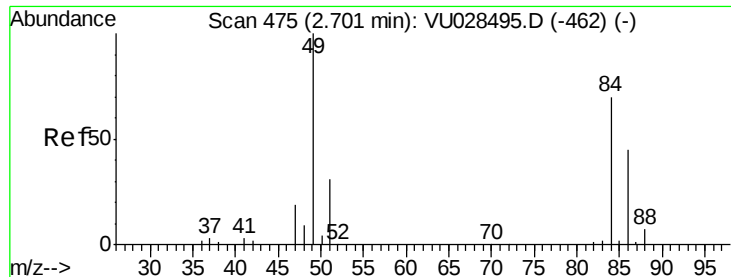
74 0.0 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

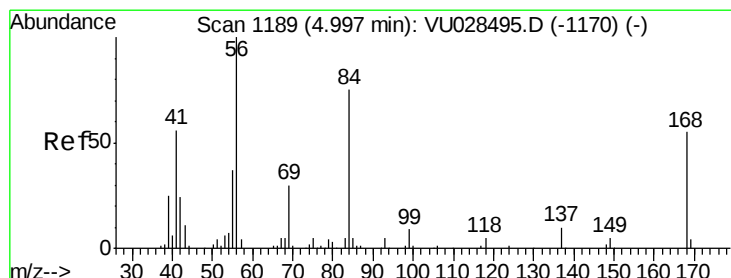
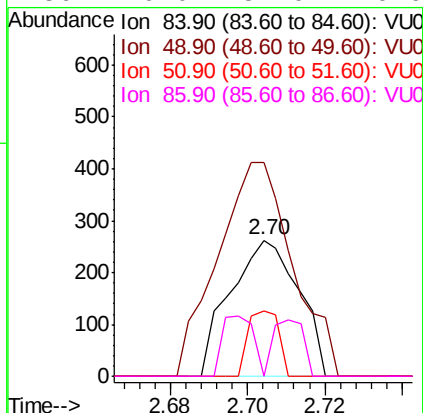
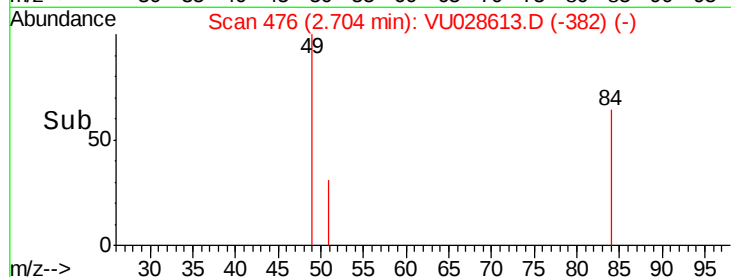
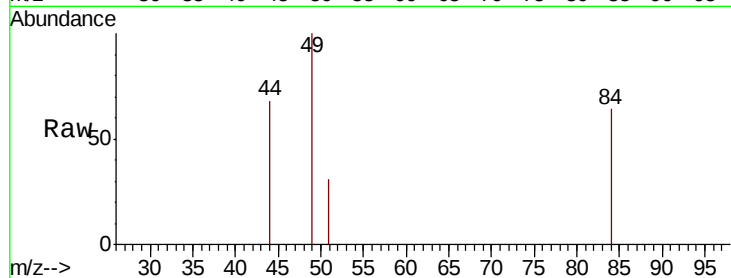




#20
Methvlene Chloride
Concen: 0.249 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028613.D
Acq: 11 Dec 2018 17:37

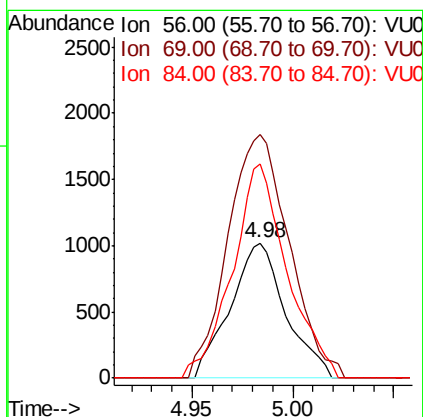
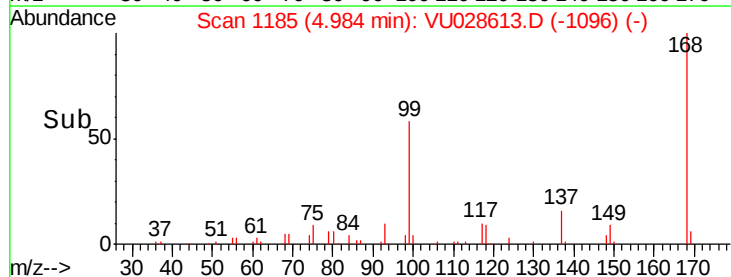
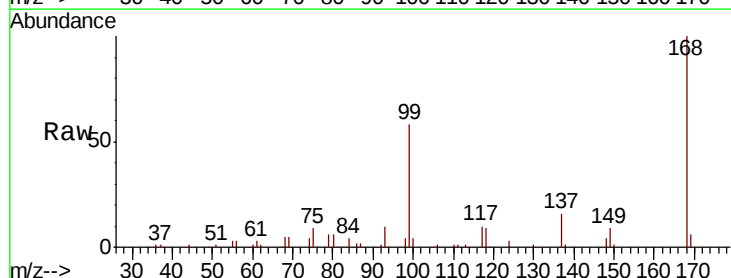
Instrument :
MSVOA_U
ClientSampleId :
RE-120D3-20181205

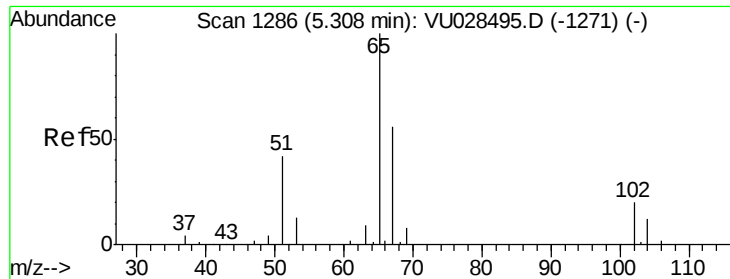
Tot Ion: 84 Resp: 324
Ion Ratio Lower Upper
84 100
49 156.7 114.0 171.0
51 48.3 35.1 52.7
86 0.0 51.0 76.6#



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028613.D
Acq: 11 Dec 2018 17:37

Tgt Ion: 56 Resp: 1951
Ion Ratio Lower Upper
56 100
69 180.3 24.0 36.0#
84 158.8 59.7 89.5#

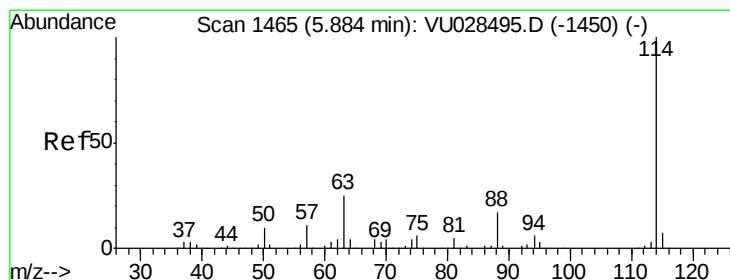
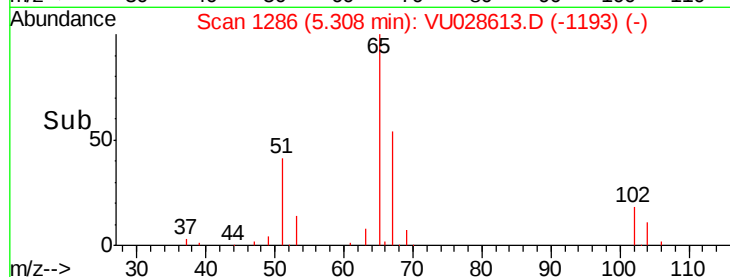
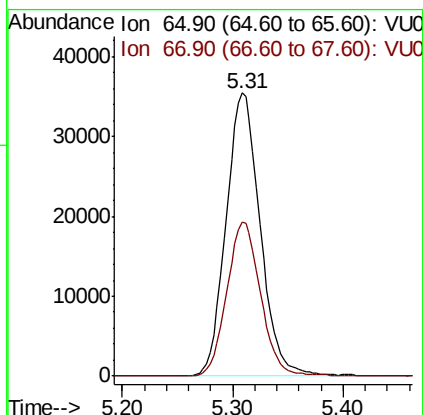
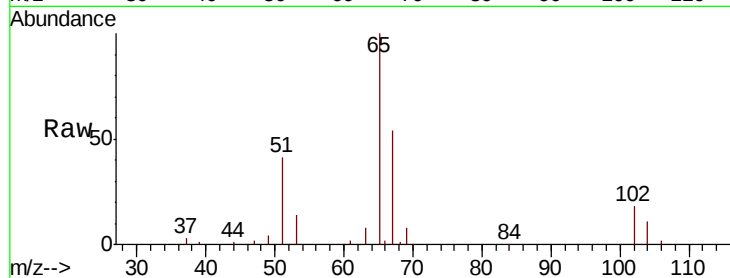




#33
 1,2-Dichloroethane-d4
 Concen: 56.125 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028613.D
 Acq: 11 Dec 2018 17:37

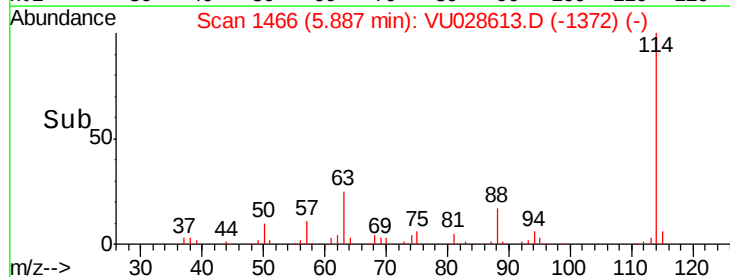
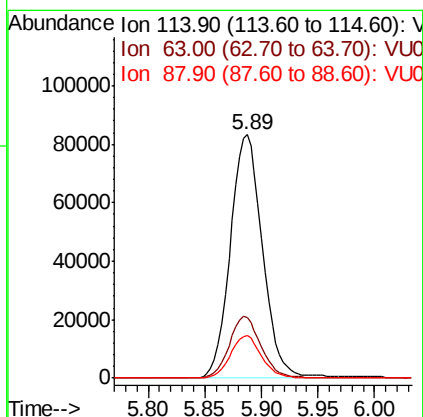
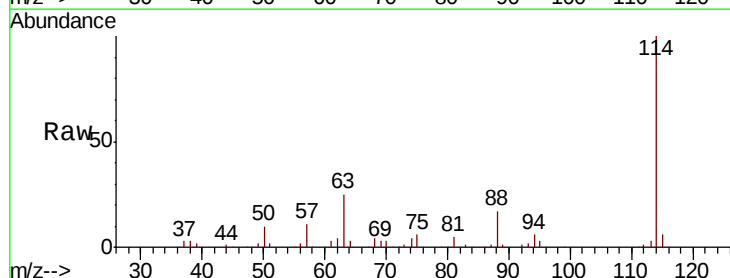
Instrument :
 MSVOA_U
 ClientSampleId :
 RE-120D3-20181205

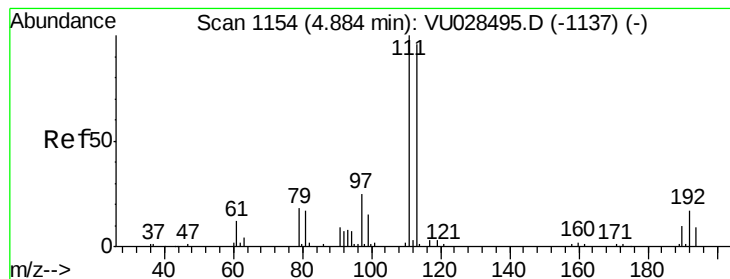
Tot Ion: 65 Resp: 75910
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028613.D
 Acq: 11 Dec 2018 17:37

Tgt Ion: 114 Resp: 165217
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 17.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 52.534 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028613.D

Acq: 11 Dec 2018 17:37

Instrument :

MSVOA_U

ClientSampleId :

RE-120D3-20181205

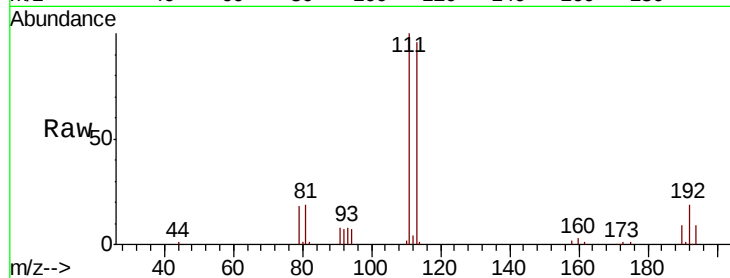
Tot Ion:113 Resp: 54621

Ion Ratio Lower Upper

113 100

111 103.7 83.4 125.0

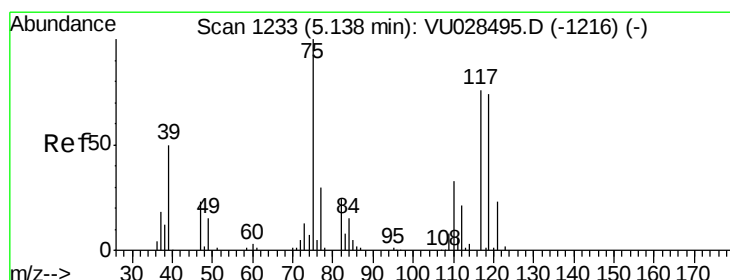
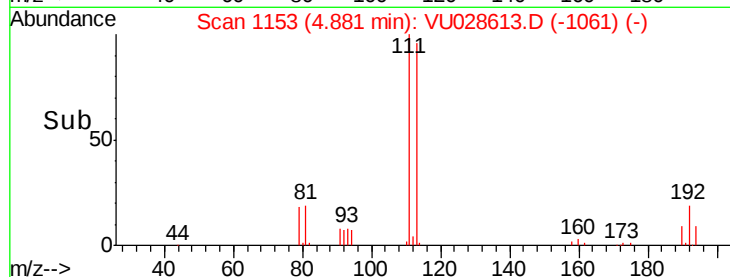
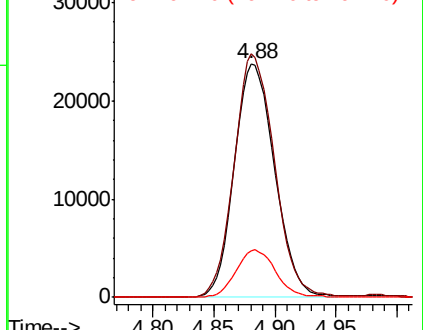
192 19.7 14.8 22.2



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: 4.543 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028613.D

Acq: 11 Dec 2018 17:37

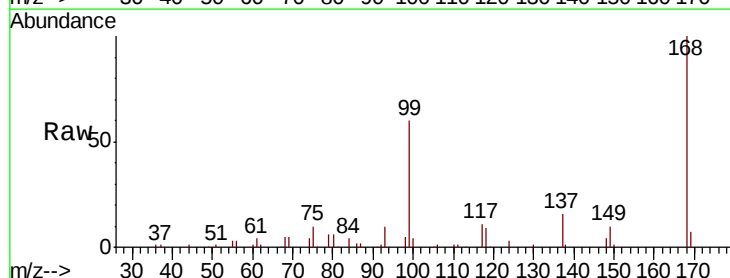
Tgt Ion: 75 Resp: 8213

Ion Ratio Lower Upper

75 100

110 3.7 16.1 48.2#

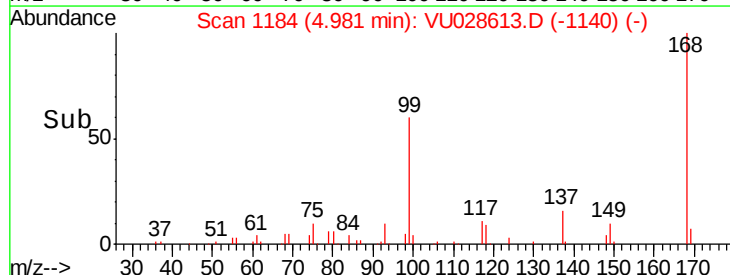
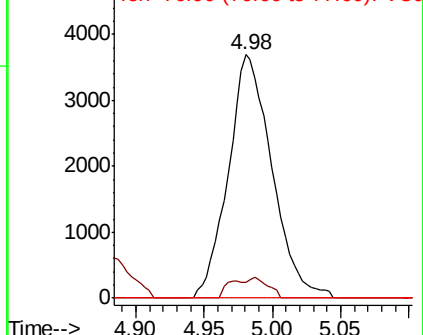
77 0.0 24.5 36.7#

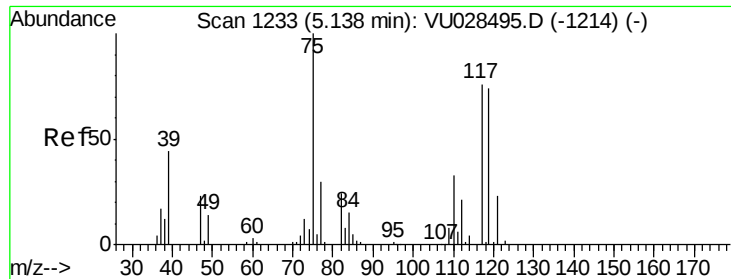


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 6.189 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028613.D

Acq: 11 Dec 2018 17:37

Instrument :

MSVOA_U

ClientSampleId :

RE-120D3-20181205

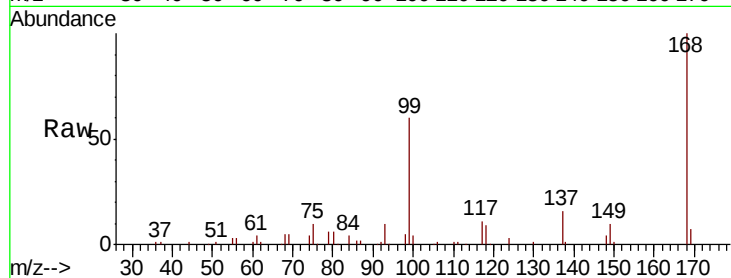
Tot Ion:117 Resp: 9019

Ion Ratio Lower Upper

117 100

119 4.0 77.6 116.4#

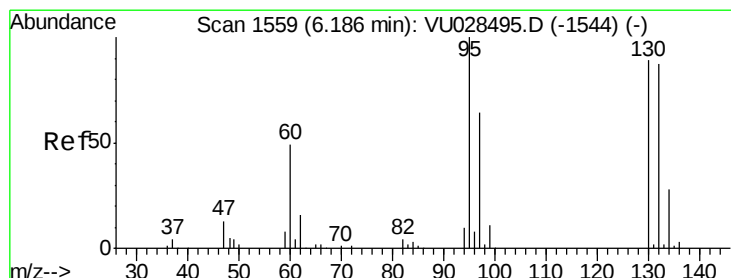
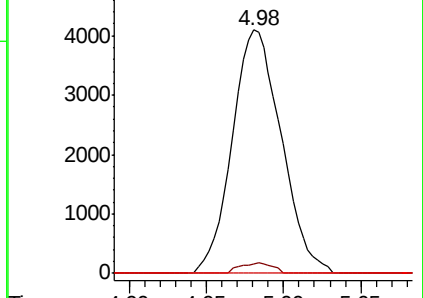
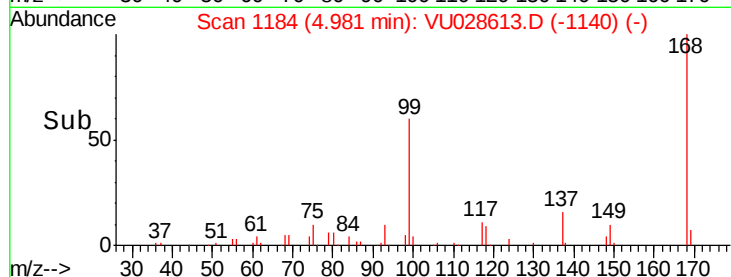
121 0.0 24.6 36.8#



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: 29.506 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028613.D

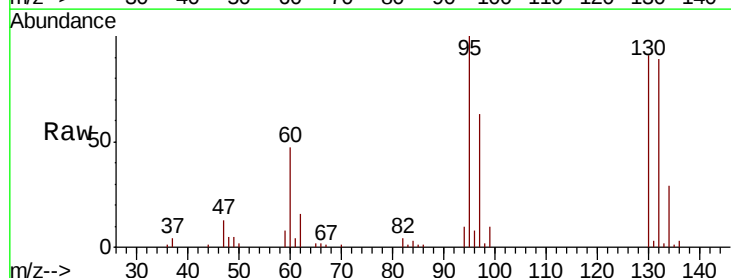
Acq: 11 Dec 2018 17:37

Tgt Ion:130 Resp: 34934

Ion Ratio Lower Upper

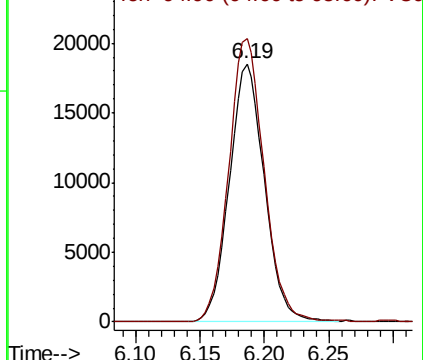
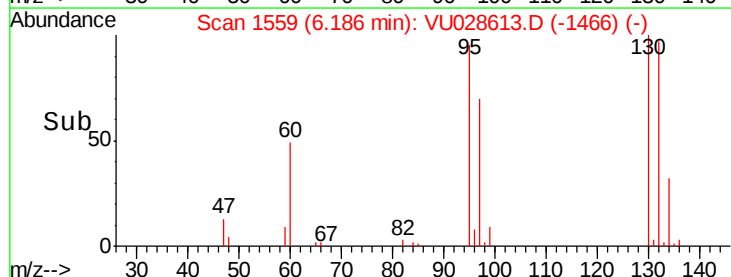
130 100

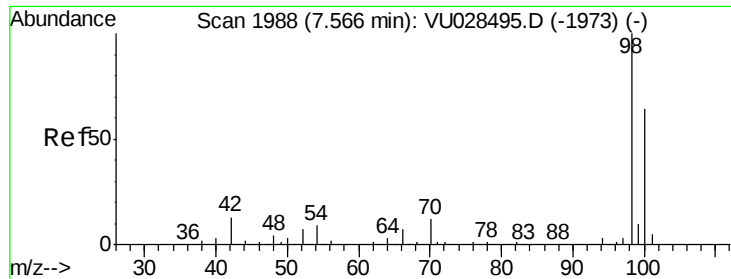
95 109.7 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

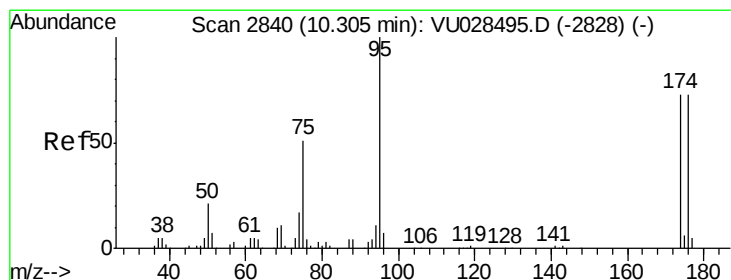
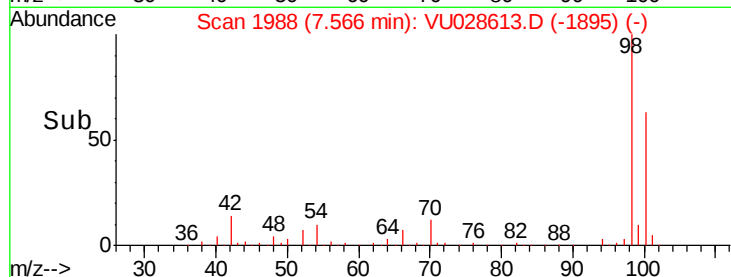
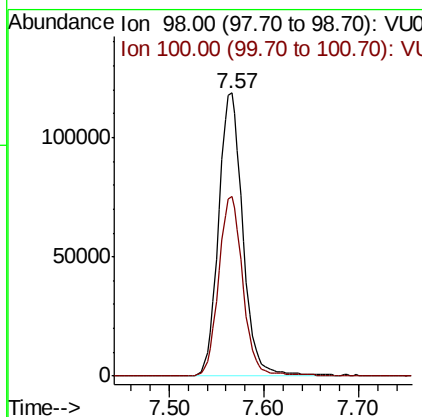
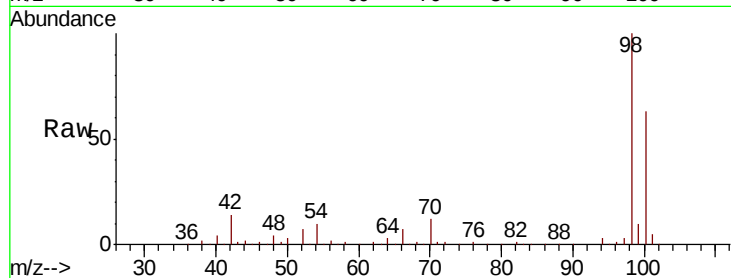




#50
Toluene-d8
Concen: 51.493 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028613.D
Acq: 11 Dec 2018 17:37

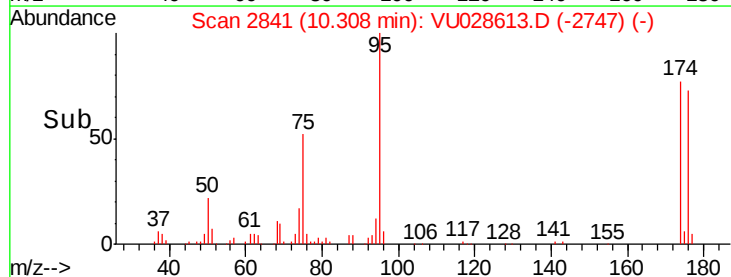
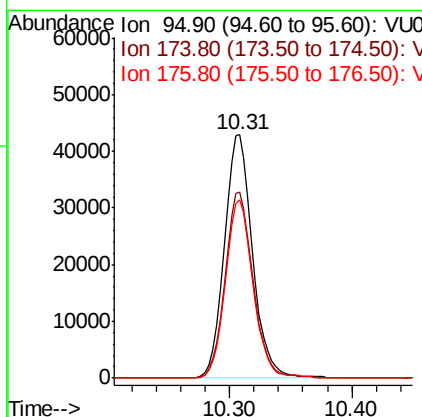
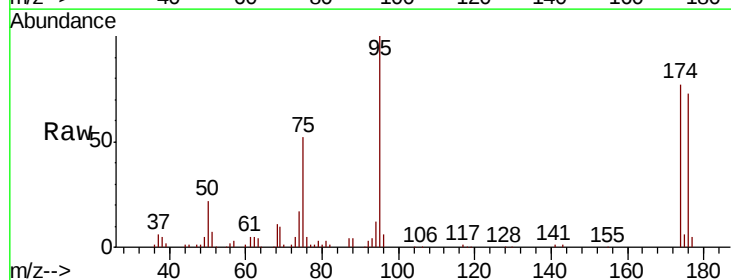
Instrument :
MSVOA_U
ClientSampleId :
RE-120D3-20181205

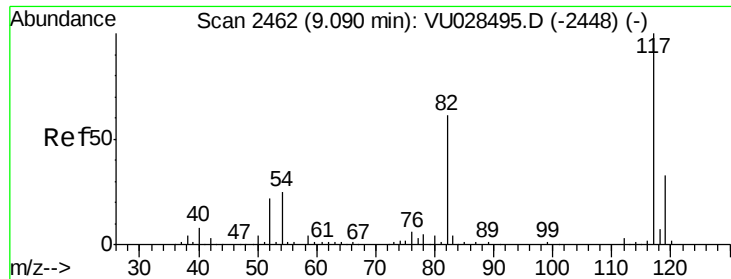
Tot Ion: 98 Resp: 211789
Ion Ratio Lower Upper
98 100
100 63.0 51.0 76.6



#62
4-Bromofluorobenzene
Concen: 45.198 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028613.D
Acq: 11 Dec 2018 17:37

Tgt Ion: 95 Resp: 69482
Ion Ratio Lower Upper
95 100
174 75.8 0.0 150.4
176 72.1 0.0 145.2

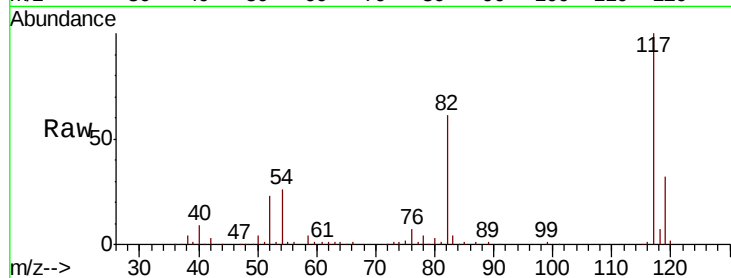




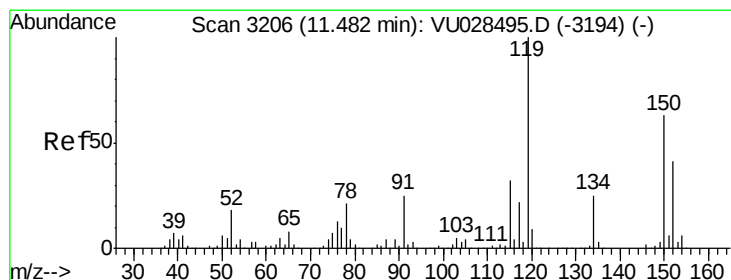
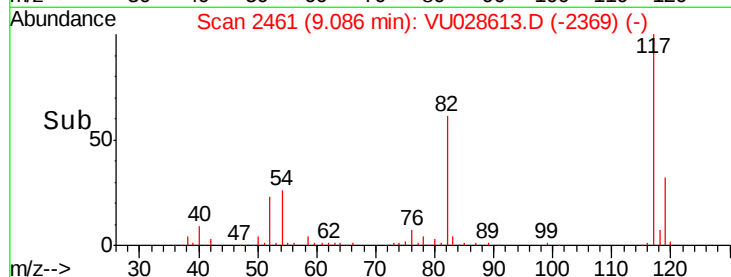
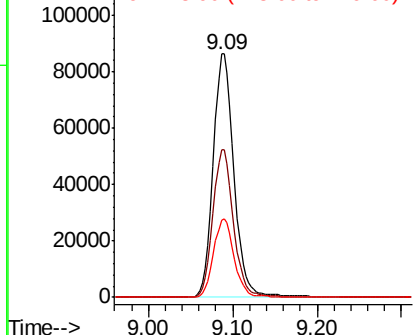
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028613.D
Acq: 11 Dec 2018 17:37

Instrument :
MSVOA_U
ClientSampleId :
RE-120D3-20181205

Tot Ion:117 Resp: 147759
Ion Ratio Lower Upper
117 100
82 60.6 48.9 73.3
119 31.6 26.2 39.4

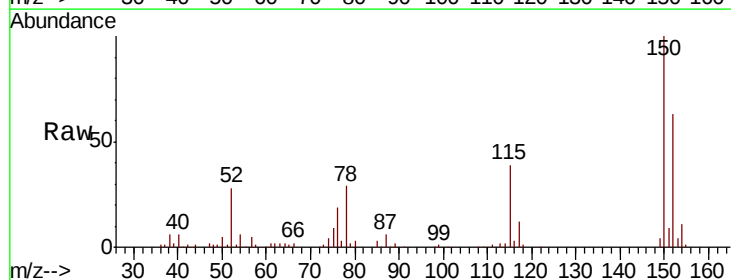


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

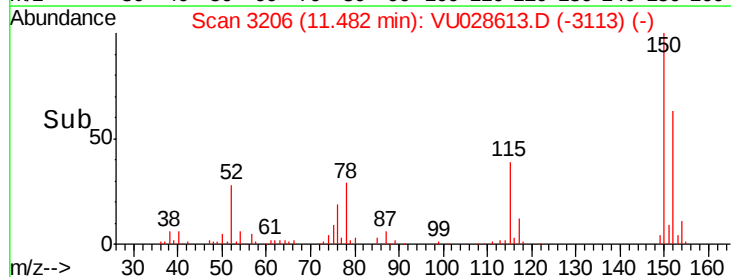
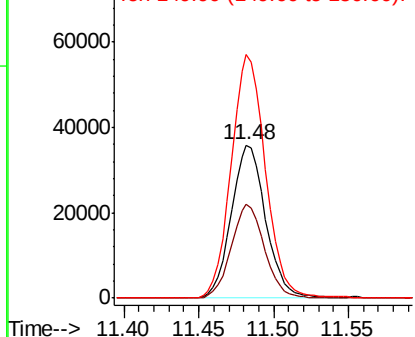


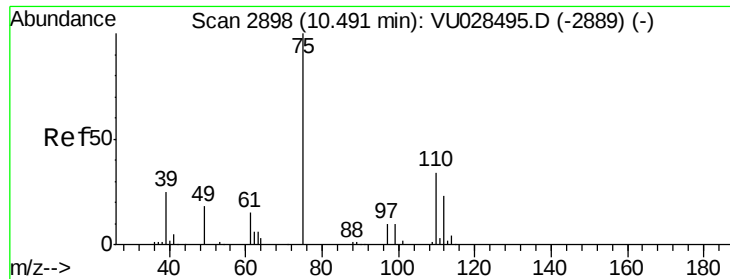
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028613.D
Acq: 11 Dec 2018 17:37

Tgt Ion:152 Resp: 57334
Ion Ratio Lower Upper
152 100
115 59.2 42.7 128.1
150 158.6 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

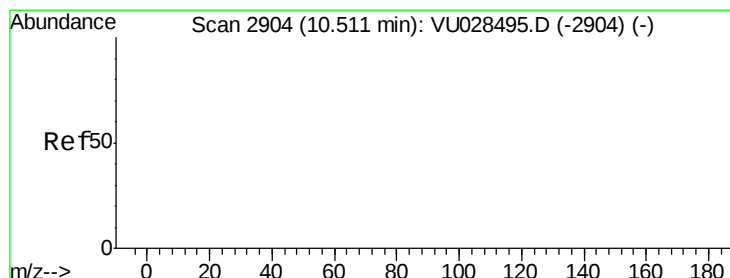
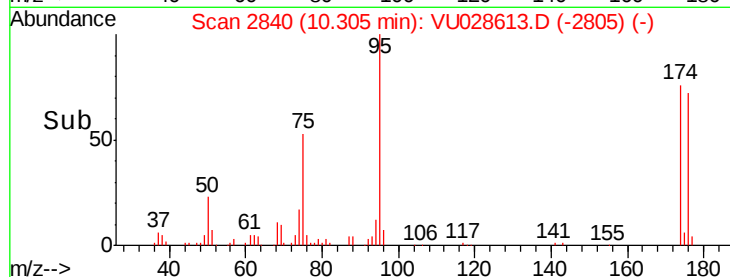
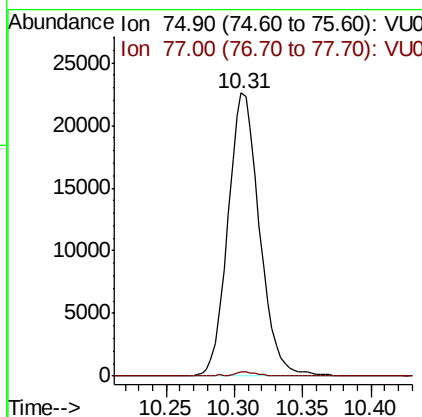
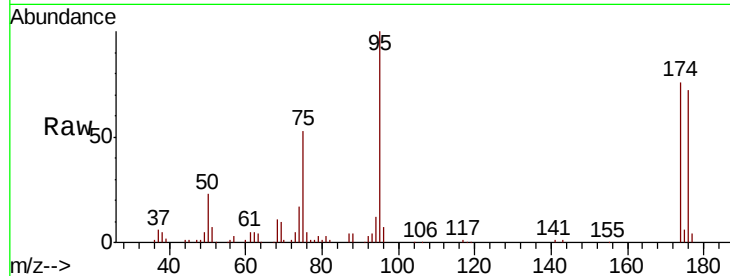




#76
 1,2,3-Trichloropropane
 Concen: 24.766 ug/l
 RT: 10.31 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU028613.D
 Acq: 11 Dec 2018 17:37

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-120D3-20181205

Tot Ion: 75 Resp: 36259
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.8 62.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.779 ug/l
 RT: 10.31 min Scan# 2840
 Delta R.T. -0.20 min
 Lab File: VU028613.D
 Acq: 11 Dec 2018 17:37

Tgt Ion: 75 Resp: 36259
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

