

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121718\
 Data File : VU028750.D
 Acq On : 18 Dec 2018 03:59
 Operator : MD/SY
 Sample : J6413-02DL 4X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 07:39:30 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	89486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	158493	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	140243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	55887	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	70560	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
35) Dibromofluoromethane	4.88	113	53796	53.94	ug/l	0.00
Spiked Amount			Recovery	=	107.88%	
50) Toluene-d8	7.57	98	200177	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	10.30	95	66282	44.95	ug/l	0.00
Spiked Amount			Recovery	=	89.90%	

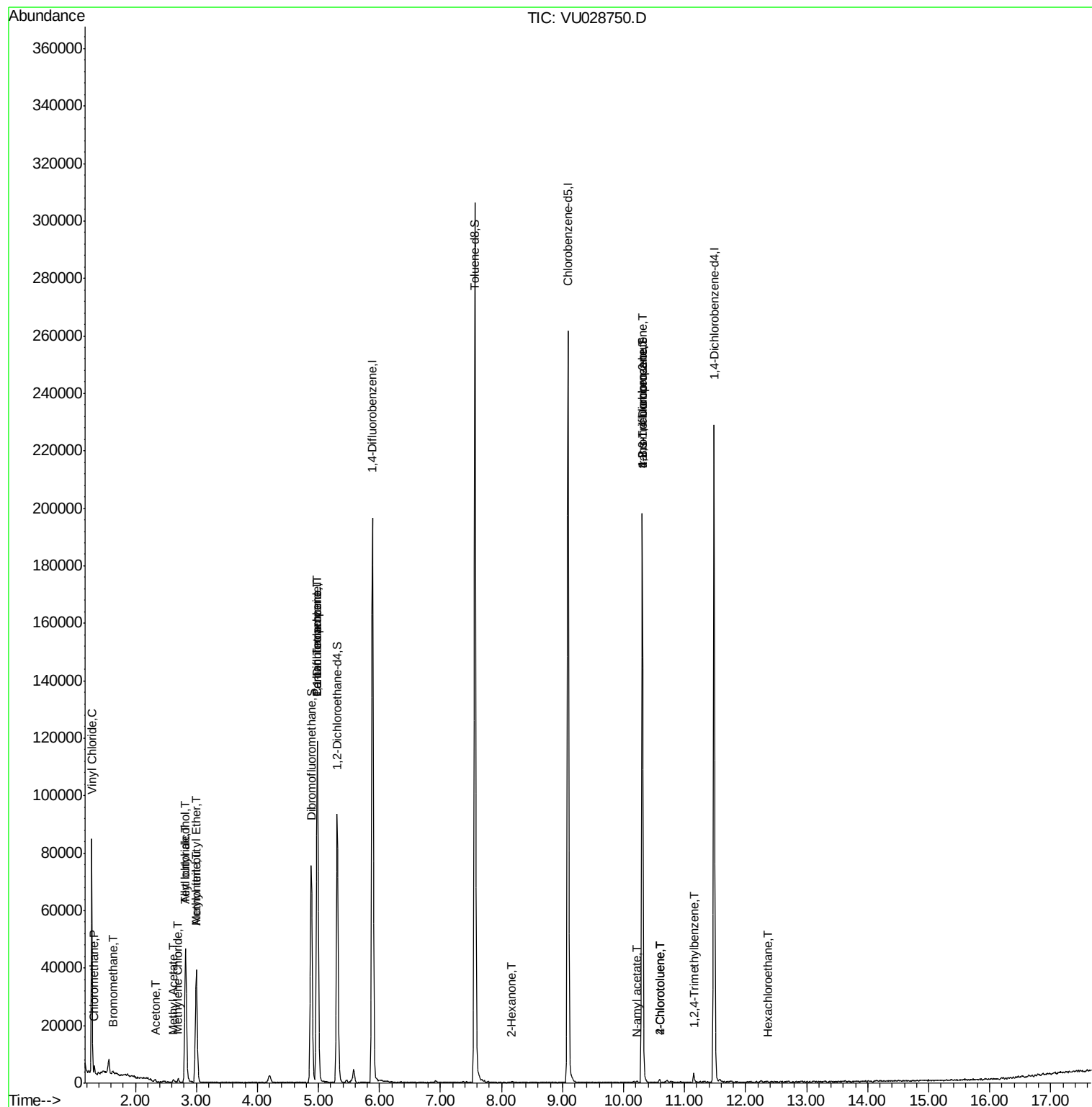
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	2575	1.168	ug/l	92
4) Vinyl Chloride	1.29	62	688	0.432	ug/l #	69
5) Bromomethane	1.63	94	143	0.223	ug/l	92
11) Tert butyl alcohol	2.82	59	54720	179.850	ug/l	99
14) Allyl chloride	2.82	41	11585	4.915	ug/l #	63
15) Acrylonitrile	2.99	53	212	0.251	ug/l #	1
16) Acetone	2.32	43	600	0.673	ug/l	94
18) Methyl Acetate	2.62	43	1141	0.494	ug/l #	79
19) Methyl tert-butyl Ether	3.00	73	39348	10.418	ug/l	100
20) Methylene Chloride	2.70	84	388	0.295	ug/l	90
31) Cyclohexane	4.98	56	2062	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7693	4.436	ug/l #	49
38) Carbon Tetrachloride	4.99	117	8924	6.384	ug/l #	15
59) 2-Hexanone	8.16	43	507	0.286	ug/l #	26
74) N-amyl acetate	10.22	43	550	0.222	ug/l #	46
76) 1,2,3-Trichloropropane	10.30	75	34724	24.332	ug/l #	35
79) 2-Chlorotoluene	10.59	91	913	0.297	ug/l #	43
81) trans-1,4-Dichloro-2-buten	10.30	75	34724	59.722	ug/l #	100
82) 4-Chlorotoluene	10.59	91	913	0.251	ug/l #	47
84) 1,2,4-Trimethylbenzene	11.15	105	2256	0.617	ug/l	96
90) Hexachloroethane	12.35	117	227	0.402	ug/l #	11

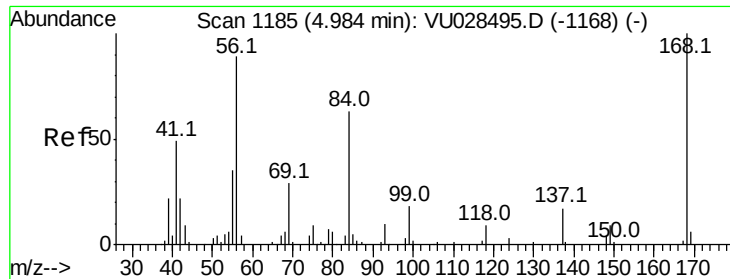
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121718\
Data File : VU028750.D
Acq On : 18 Dec 2018 03:59
Operator : MD/SY
Sample : J6413-02DL 4X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Dec 18 07:39:30 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
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: VU028750.D

Acq: 18 Dec 2018 03:59

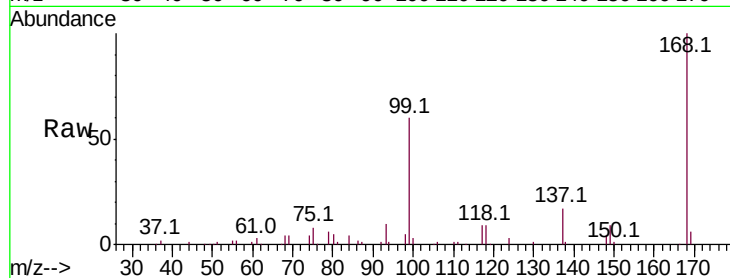
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 89486

Ion Ratio Lower Upper

168 100

99 59.8 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

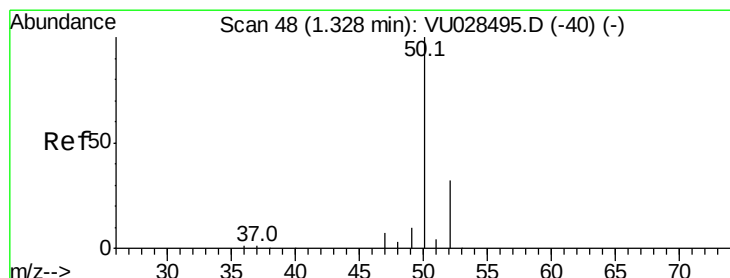
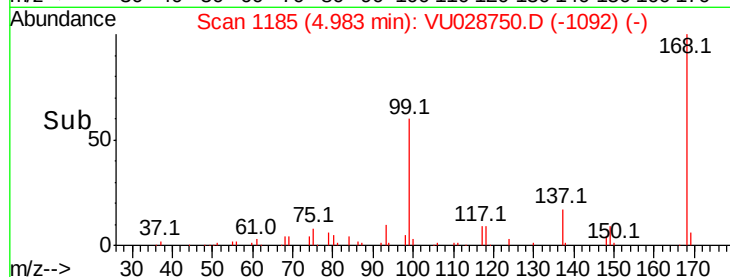
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#3

Chloromethane

Concen: 1.168 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028750.D

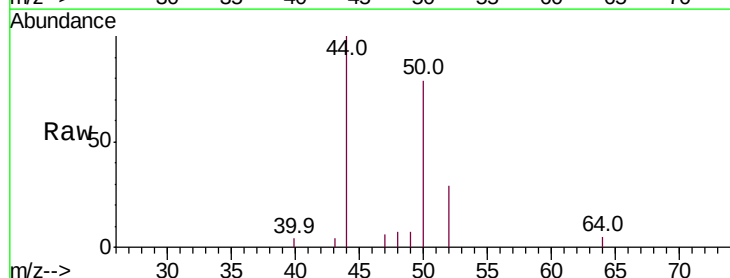
Acq: 18 Dec 2018 03:59

Tgt Ion: 50 Resp: 2575

Ion Ratio Lower Upper

50 100

52 36.2 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

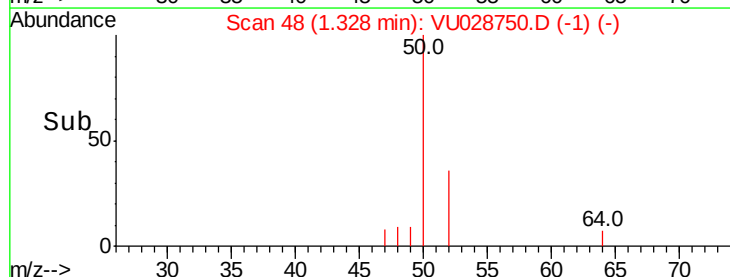
1000

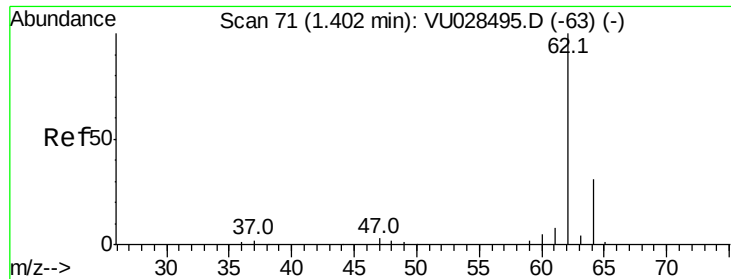
500

0

1.30 1.35 1.40

Time-->





#4

Vinyl Chloride

Concen: 0.432 ug/l

RT: 1.29 min Scan# 35

Delta R.T. -0.12 min

Lab File: VU028750.D

Acq: 18 Dec 2018 03:59

Instrument :

MSVOA_U

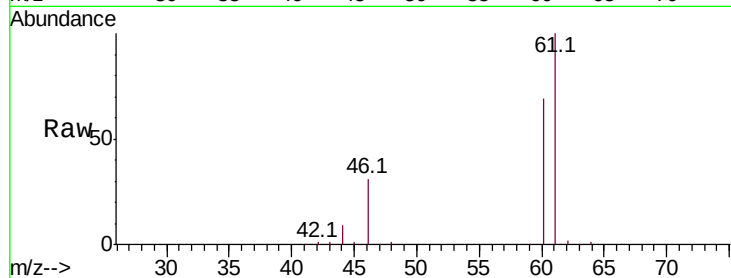
ClientSampleId :

Tot Ion: 62 Resp: 688

Ion Ratio Lower Upper

62 100

64 14.1 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

800

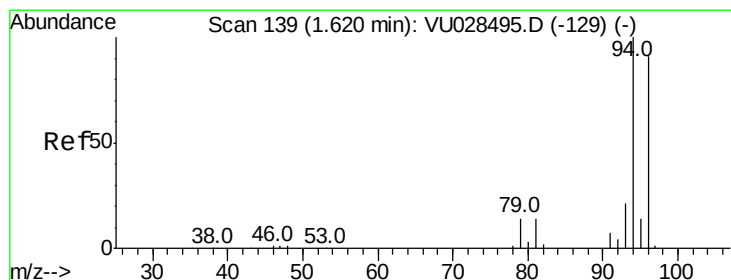
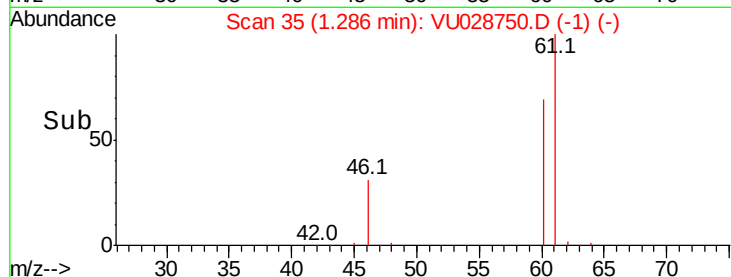
600

400

200

0

Time-->



#5

Bromomethane

Concen: 0.223 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.01 min

Lab File: VU028750.D

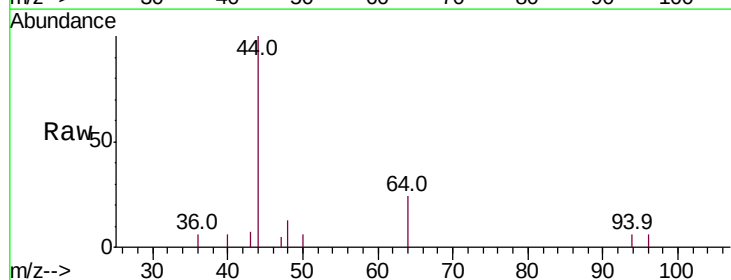
Acq: 18 Dec 2018 03:59

Tgt Ion: 94 Resp: 143

Ion Ratio Lower Upper

94 100

96 99.3 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.63

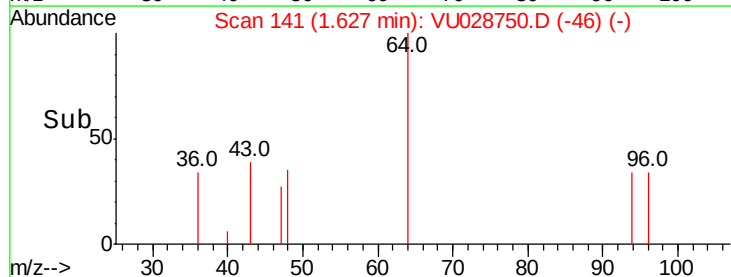
150

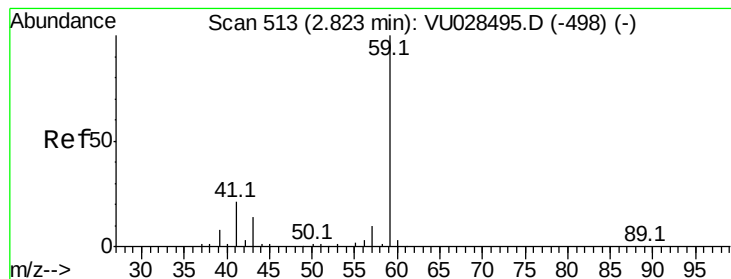
100

50

0

Time-->



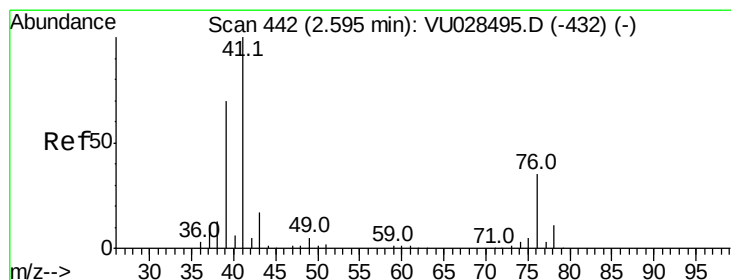
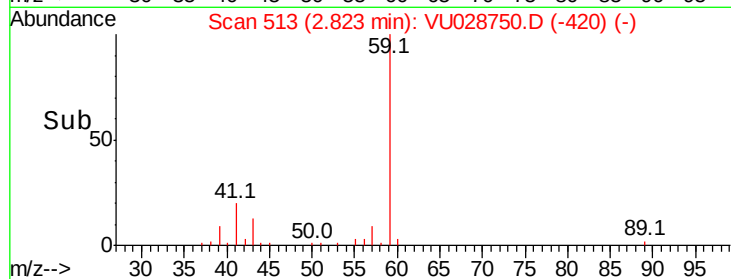
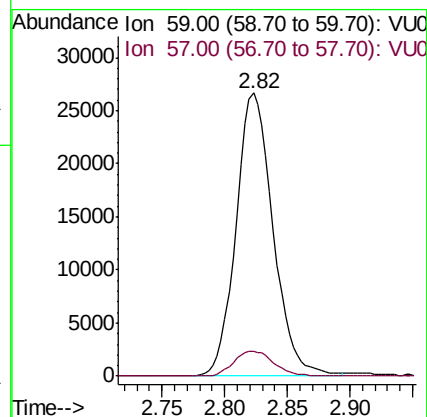
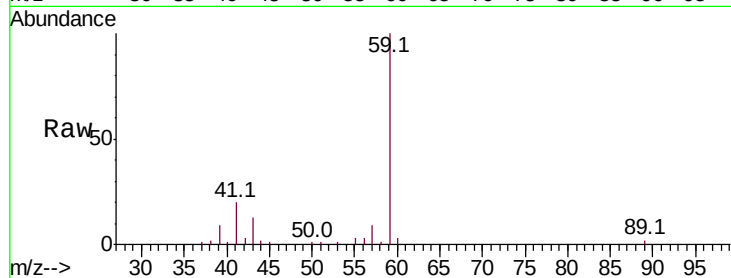


#11

Tert butyl alcohol
 Concen: 179.850 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: VU028750.D
 Acq: 18 Dec 2018 03:59

Instrument :
 MSVOA_U
 ClientSampled :

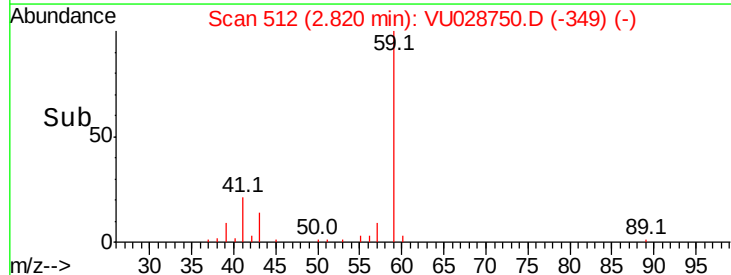
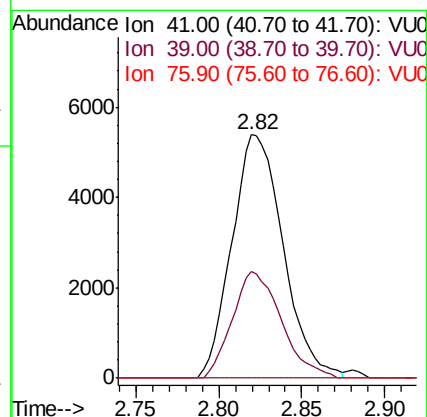
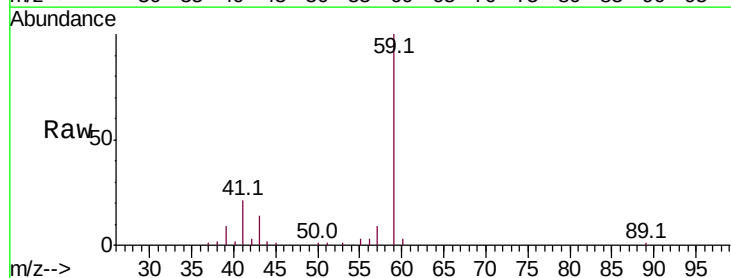
Tot Ion: 59 Resp: 54720
 Ion Ratio Lower Upper
 59 100
 57 9.5 8.0 12.0

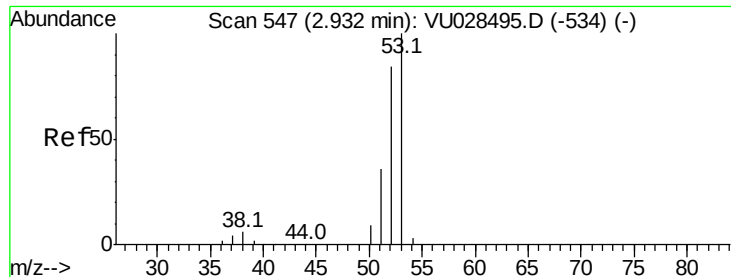


#14

Allyl chloride
 Concen: 4.915 ug/l
 RT: 2.82 min Scan# 512
 Delta R.T. 0.22 min
 Lab File: VU028750.D
 Acq: 18 Dec 2018 03:59

Tgt Ion: 41 Resp: 11585
 Ion Ratio Lower Upper
 41 100
 39 41.9 50.8 76.2#
 76 0.0 24.8 37.2#





#15

Acrylonitrile

Concen: 0.251 ug/l

RT: 2.99 min Scan# 566

Delta R.T. 0.06 min

Lab File: VU028750.D

Acq: 18 Dec 2018 03:59

Instrument :

MSVOA_U

ClientSampleId :

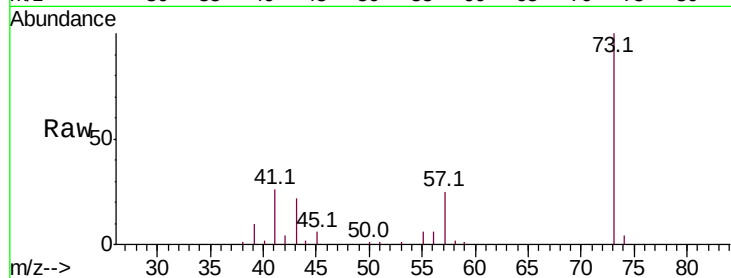
Tot Ion: 53 Resp: 212

Ion Ratio Lower Upper

53 100

52 0.0 66.1 99.1#

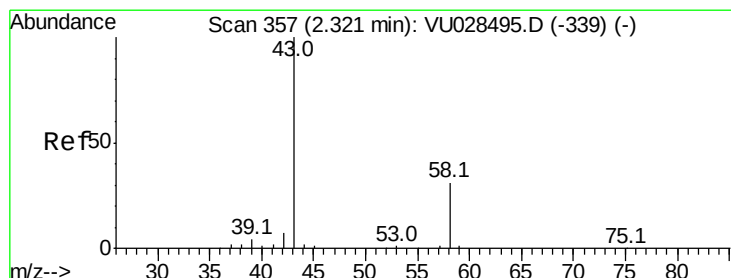
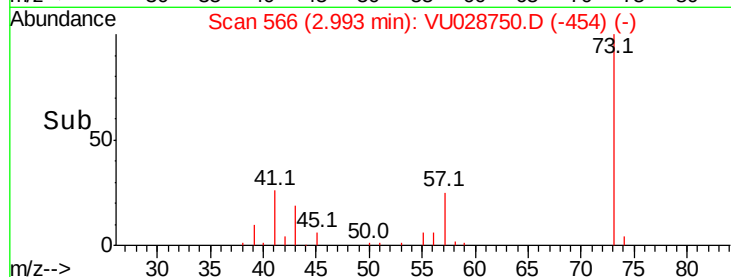
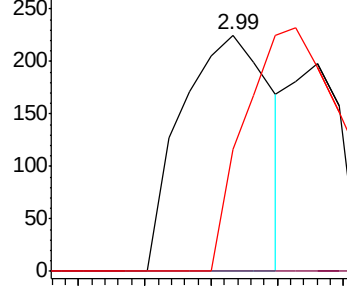
51 109.4 28.1 42.1#



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 0.673 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028750.D

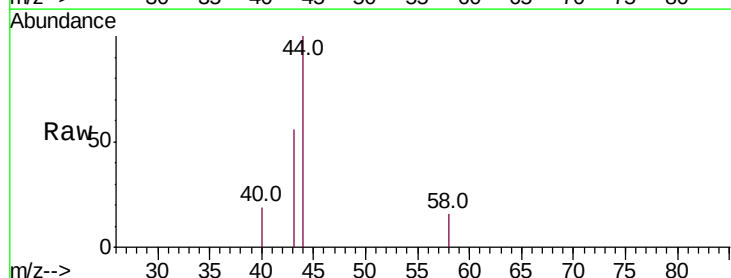
Acq: 18 Dec 2018 03:59

Tgt Ion: 43 Resp: 600

Ion Ratio Lower Upper

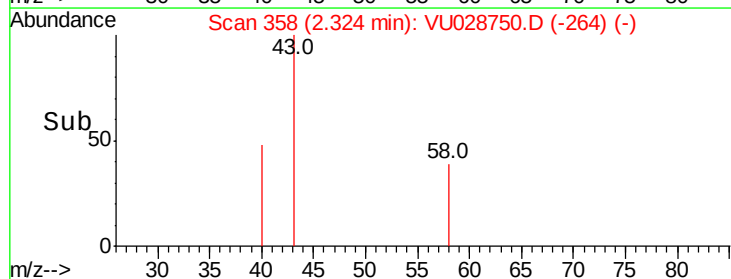
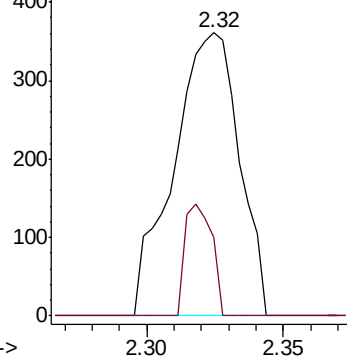
43 100

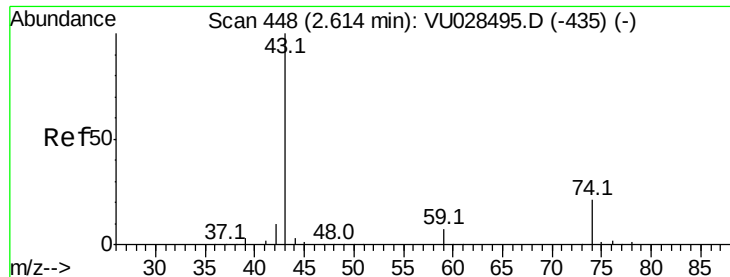
58 27.7 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

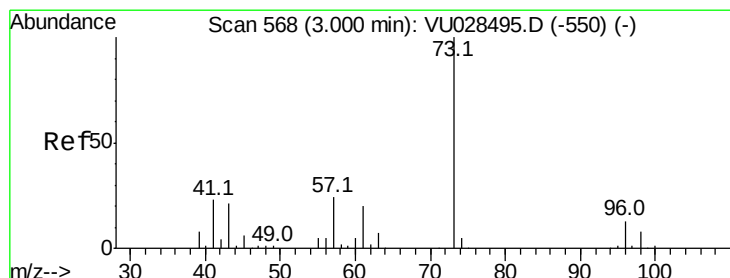
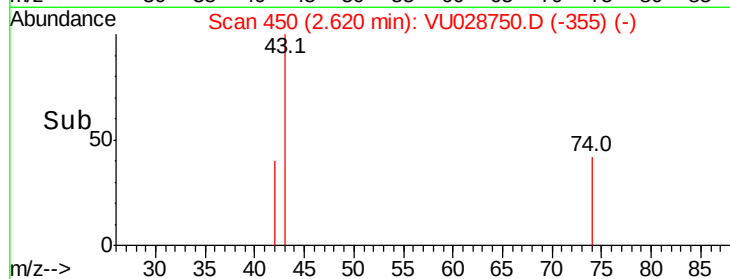
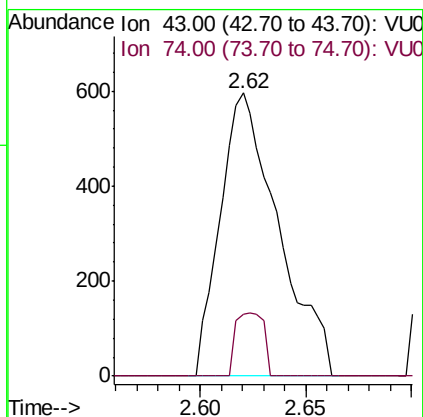
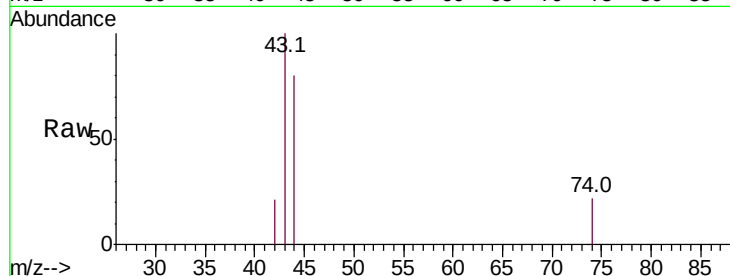




#18
Methvl Acetate
Concen: 0.494 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU028750.D
Acq: 18 Dec 2018 03:59

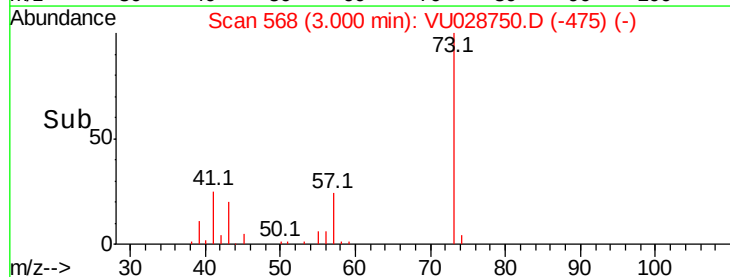
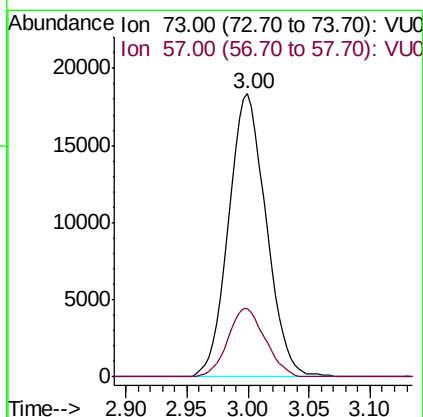
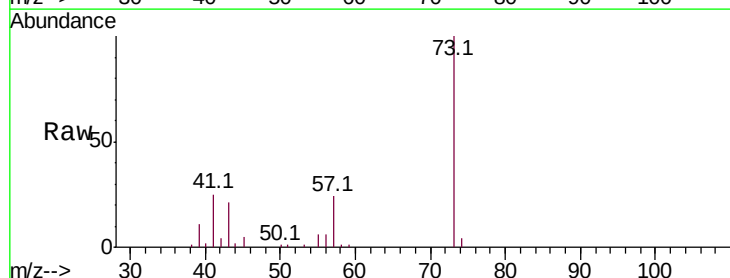
Instrument :
MSVOA_U
ClientSampleId :

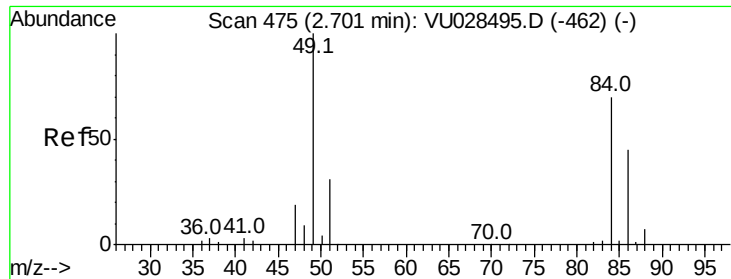
Tot Ion: 43 Resp: 1141
Ion Ratio Lower Upper
43 100
74 10.6 16.4 24.6#



#19
Methyl tert-butyl Ether
Concen: 10.418 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028750.D
Acq: 18 Dec 2018 03:59

Tgt Ion: 73 Resp: 39348
Ion Ratio Lower Upper
73 100
57 24.1 19.4 29.2

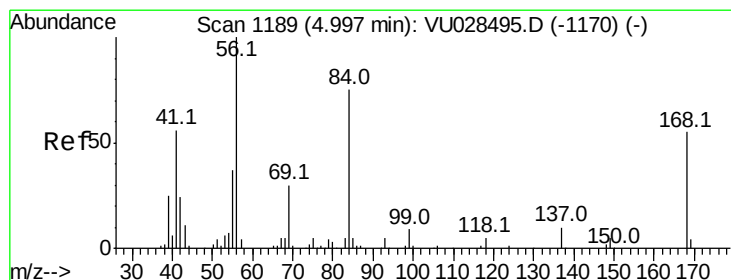
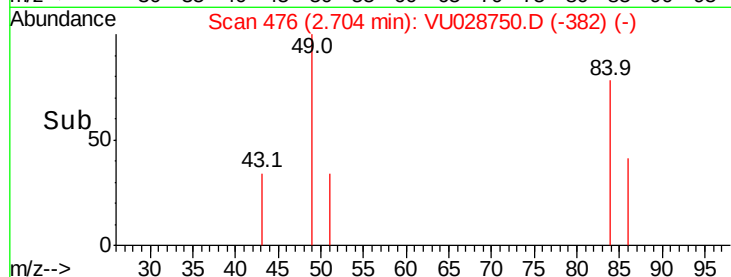
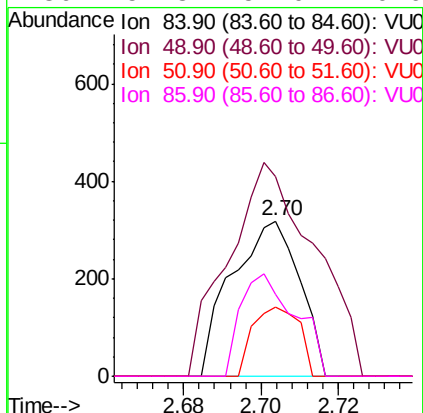
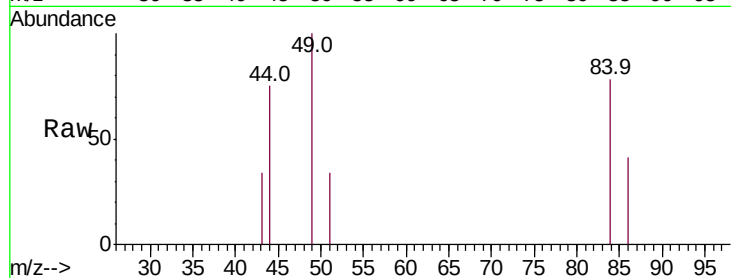




#20
Methylene Chloride
Concen: 0.295 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028750.D
Acq: 18 Dec 2018 03:59

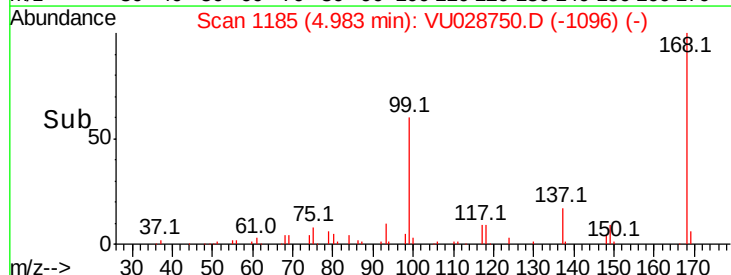
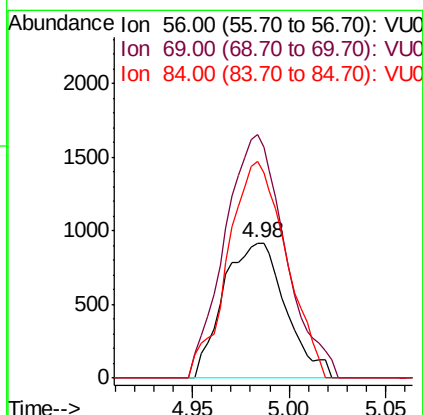
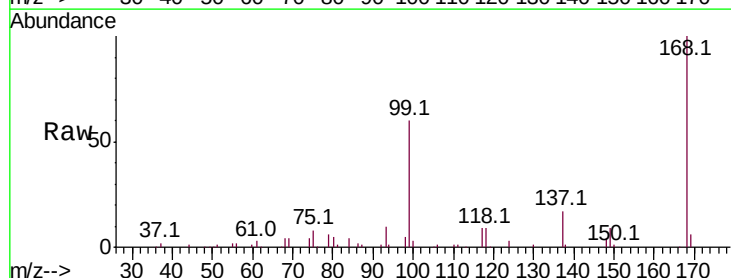
Instrument :
MSVOA_U
ClientSampleId :

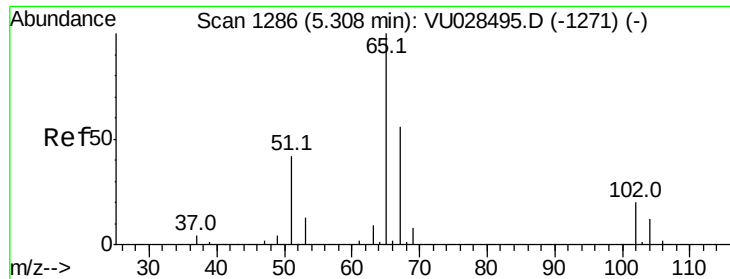
Tot Ion:	84	Resp:	388
Ion	Ratio	Lower	Upper
84	100		
49	128.6	114.0	171.0
51	44.3	35.1	52.7
86	52.8	51.0	76.6



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028750.D
Acq: 18 Dec 2018 03:59

Tgt Ion:	56	Resp:	2062
Ion	Ratio	Lower	Upper
56	100		
69	179.8	24.0	36.0#
84	160.1	59.7	89.5#

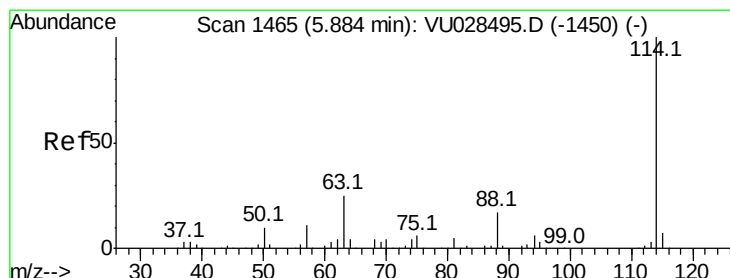
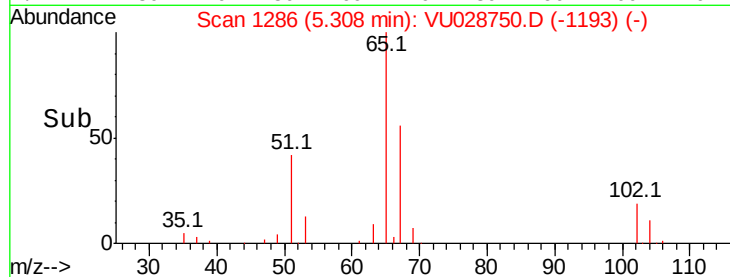
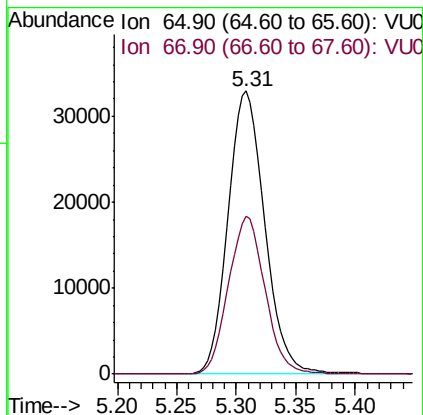
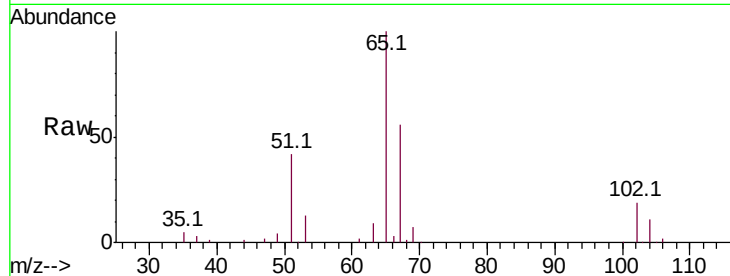




#33
 1,2-Dichloroethane-d4
 Concen: 51.669 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028750.D
 Acq: 18 Dec 2018 03:59

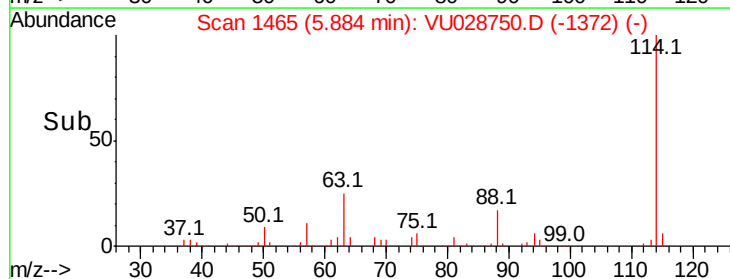
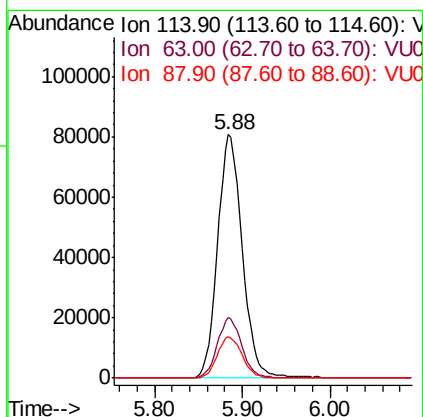
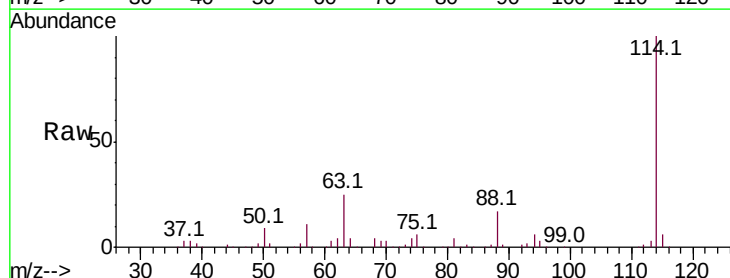
Instrument :
 MSVOA_U
 ClientSampleId :

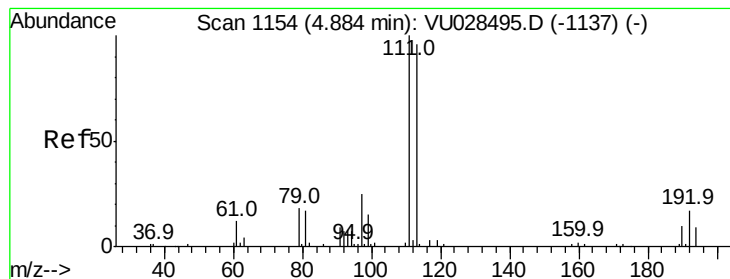
Tot Ion: 65 Resp: 70560
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028750.D
 Acq: 18 Dec 2018 03:59

Tgt Ion:114 Resp: 158493
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 17.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 53.936 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028750.D

Acq: 18 Dec 2018 03:59

Instrument :

MSVOA_U

ClientSampleId :

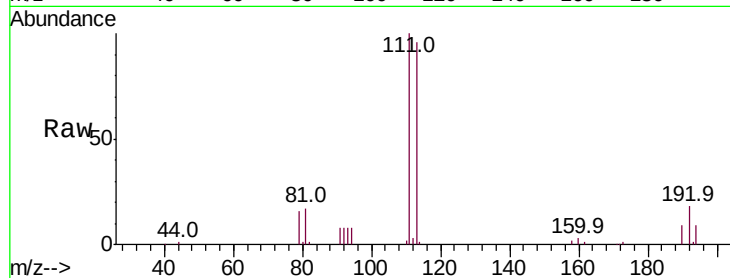
Tot Ion:113 Resp: 53796

Ion Ratio Lower Upper

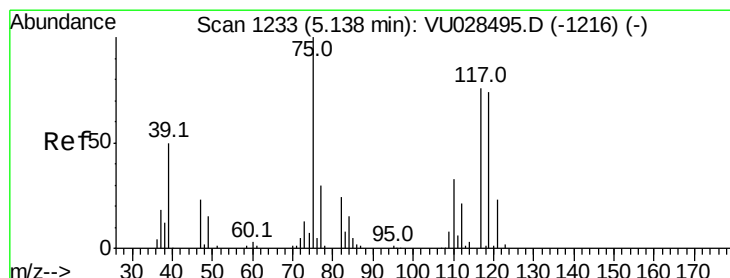
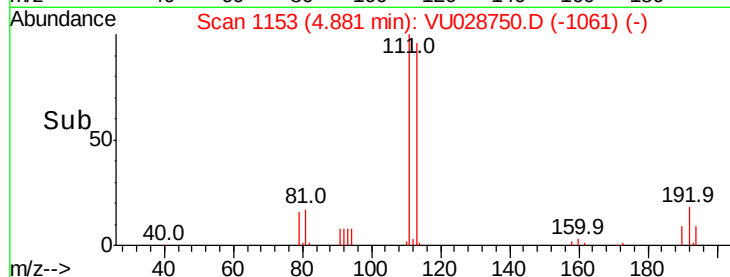
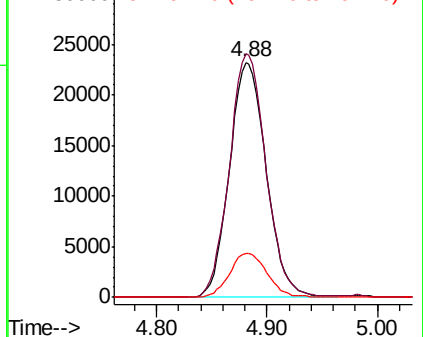
113 100

111 102.9 83.4 125.0

192 19.0 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: 4.436 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028750.D

Acq: 18 Dec 2018 03:59

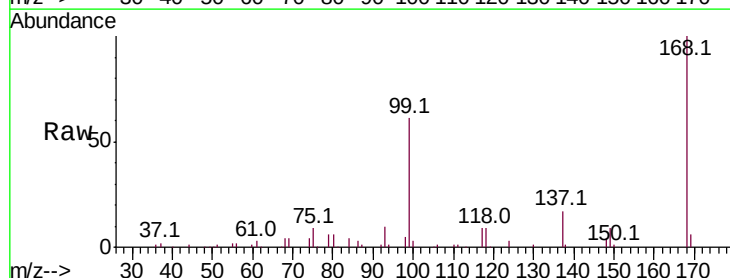
Tgt Ion: 75 Resp: 7693

Ion Ratio Lower Upper

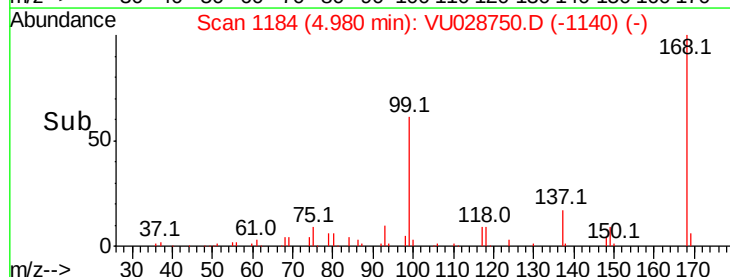
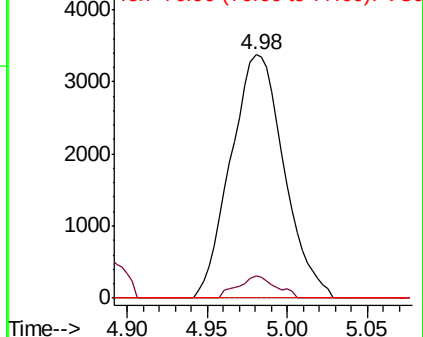
75 100

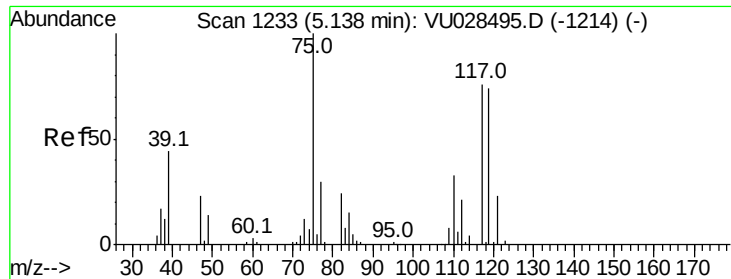
110 6.4 16.1 48.2#

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

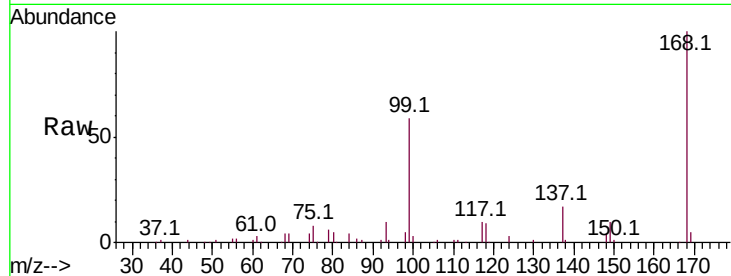




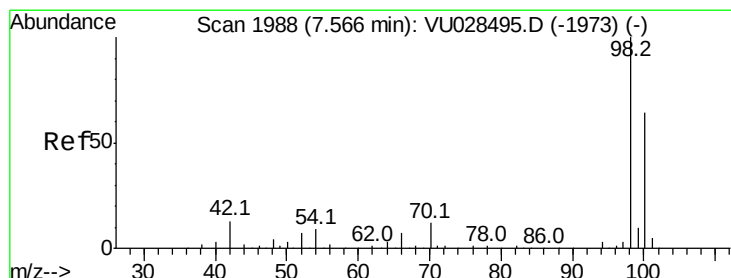
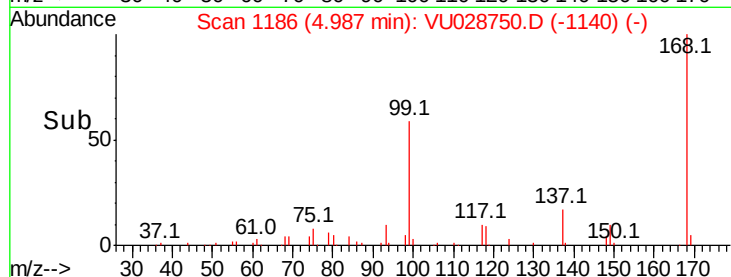
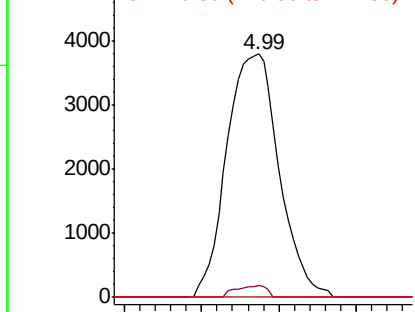
#38
Carbon Tetrachloride
Concen: 6.384 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU028750.D
Acq: 18 Dec 2018 03:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 8924
Ion Ratio Lower Upper
117 100
119 4.7 77.6 116.4#
121 0.0 24.6 36.8#

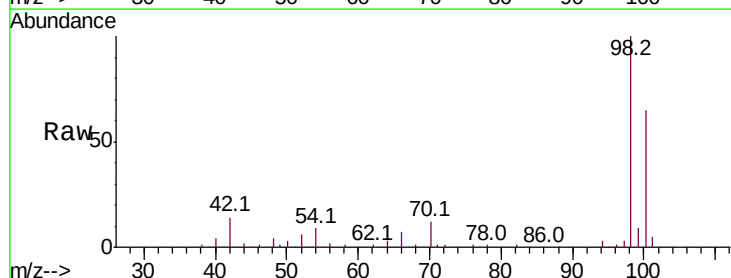


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

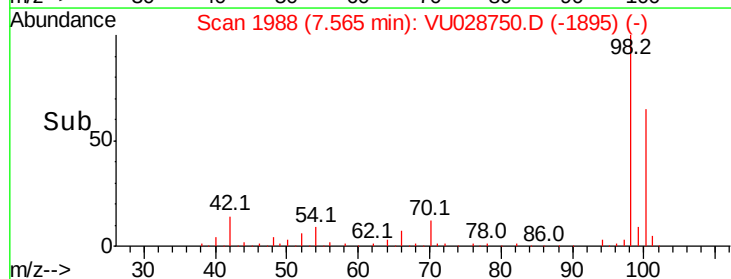
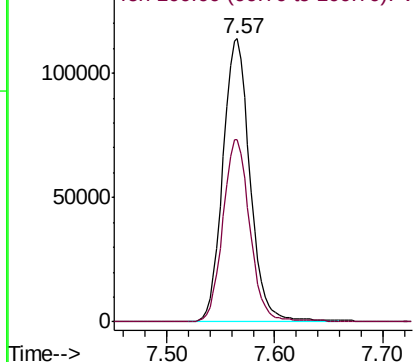


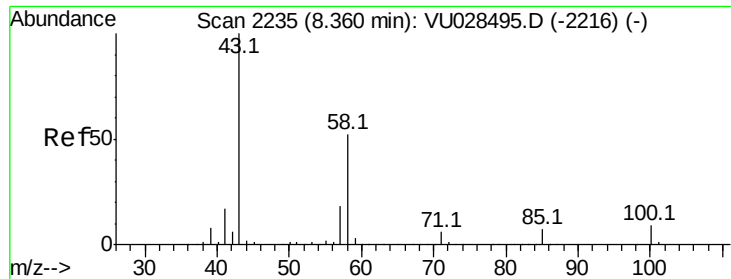
#50
Toluene-d8
Concen: 50.735 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028750.D
Acq: 18 Dec 2018 03:59

Tgt Ion: 98 Resp: 200177
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU





#59

2-Hexanone

Concen: 0.286 ug/l

RT: 8.16 min Scan# 2173

Delta R.T. -0.20 min

Lab File: VU028750.D

Acq: 18 Dec 2018 03:59

Instrument :

MSVOA_U

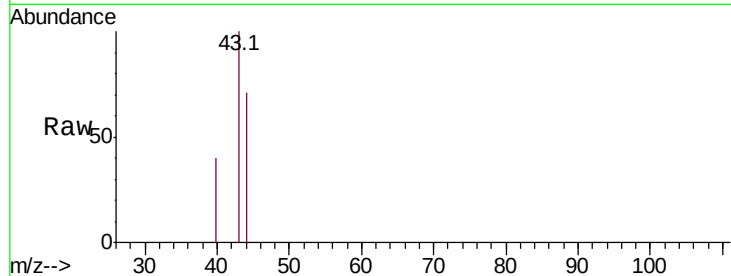
ClientSampleId :

Tot Ion: 43 Resp: 507

Ion Ratio Lower Upper

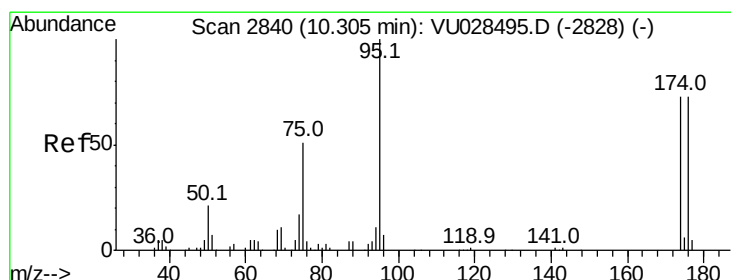
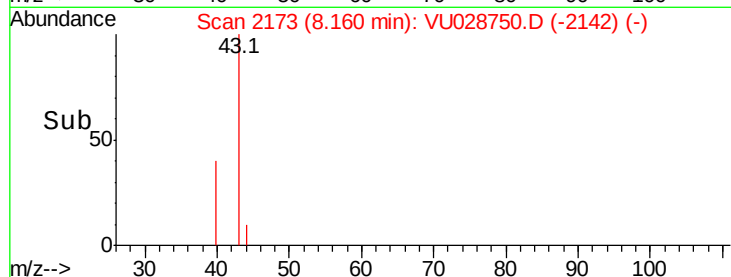
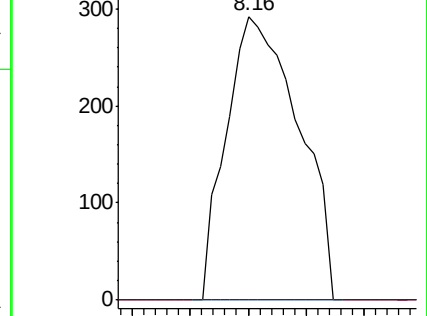
43 100

58 0.0 25.9 77.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 44.946 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028750.D

Acq: 18 Dec 2018 03:59

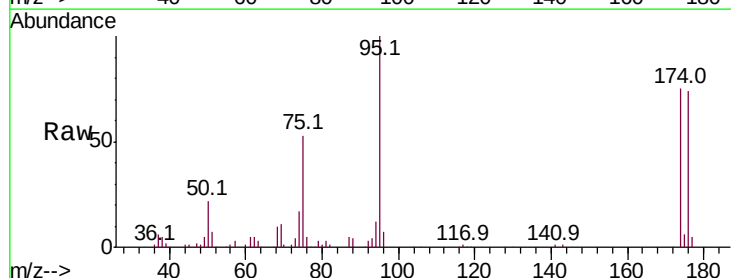
Tgt Ion: 95 Resp: 66282

Ion Ratio Lower Upper

95 100

174 75.5 0.0 150.4

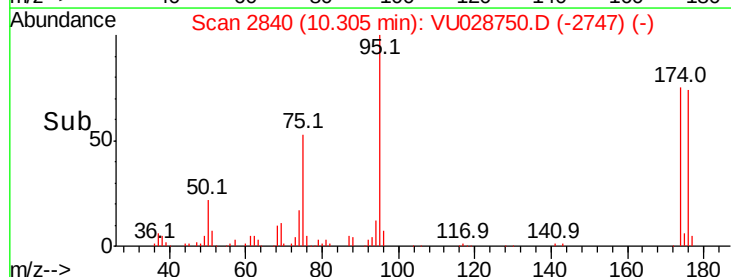
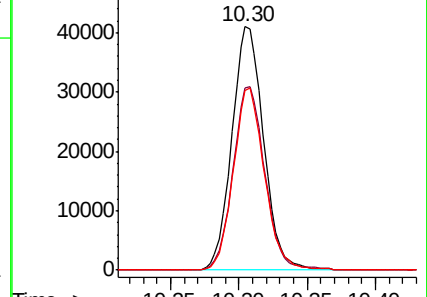
176 73.5 0.0 145.2

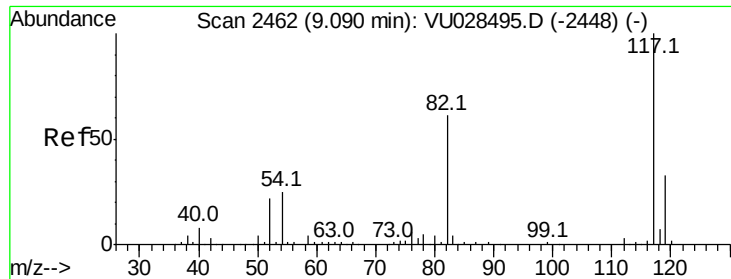


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

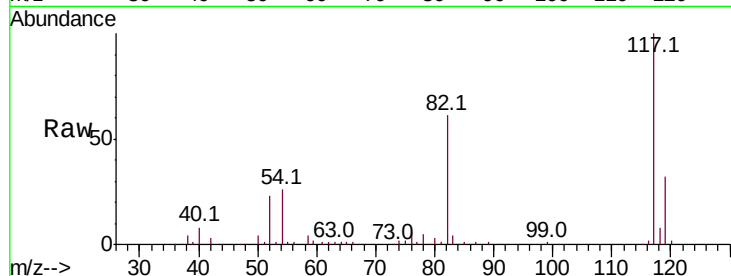




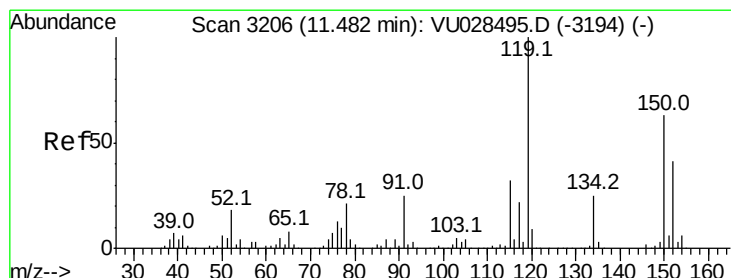
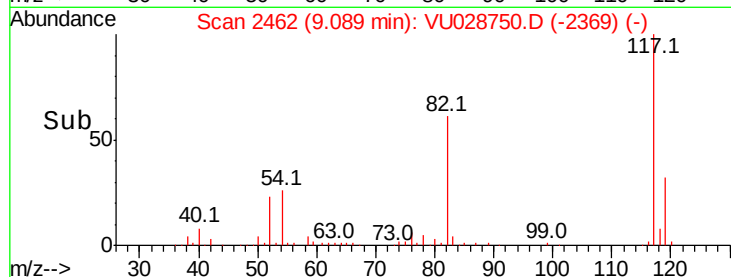
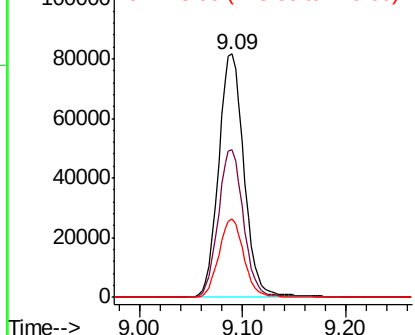
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028750.D
Acq: 18 Dec 2018 03:59

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 140243
Ion Ratio Lower Upper
117 100
82 60.5 48.9 73.3
119 32.0 26.2 39.4

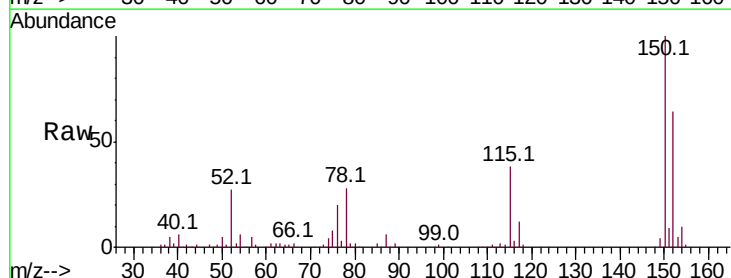


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

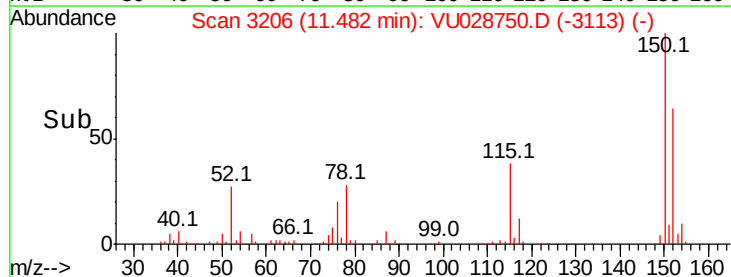
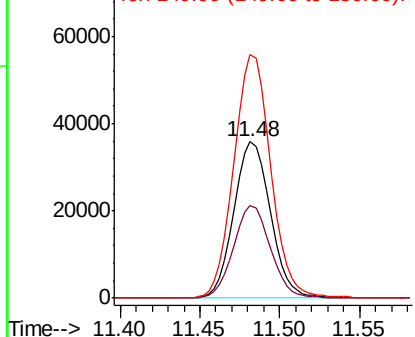


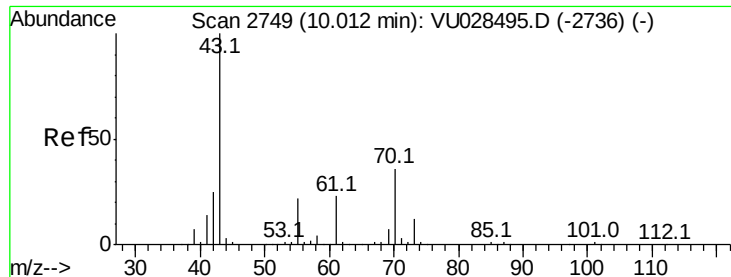
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028750.D
Acq: 18 Dec 2018 03:59

Tgt Ion:152 Resp: 55887
Ion Ratio Lower Upper
152 100
115 59.9 42.7 128.1
150 157.6 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

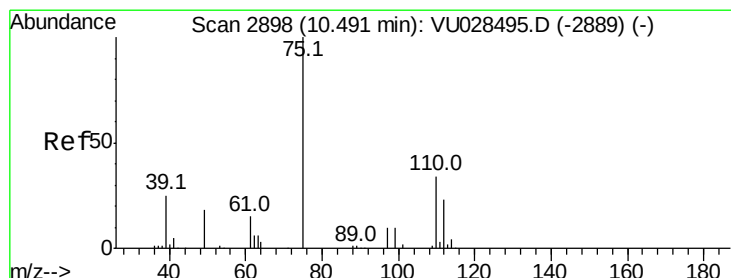
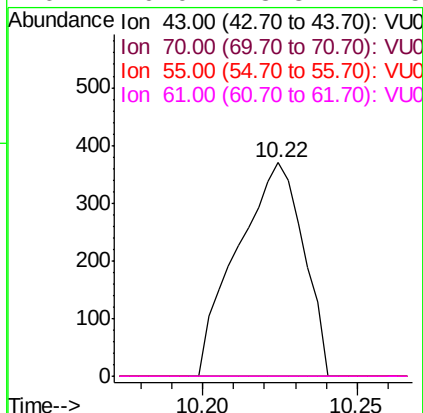
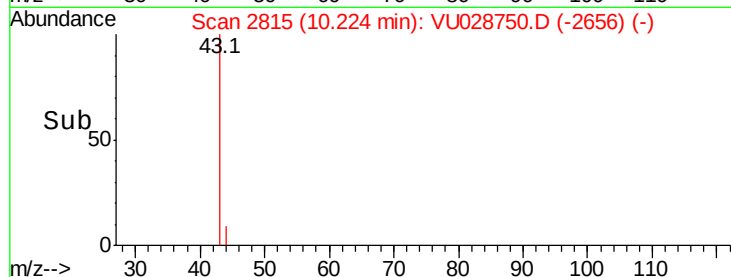
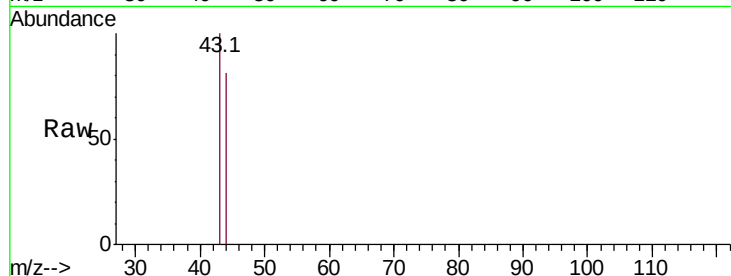




#74
N-amvl acetate
Concen: 0.222 ug/l
RT: 10.22 min Scan# 2815
Delta R.T. 0.21 min
Lab File: VU028750.D
Acq: 18 Dec 2018 03:59

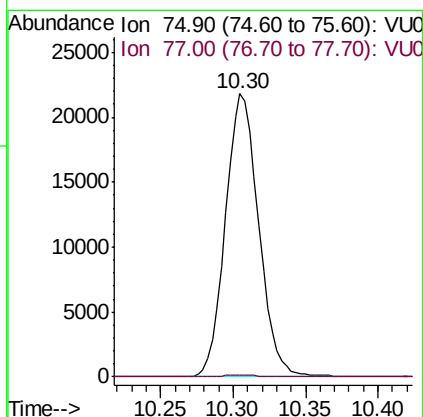
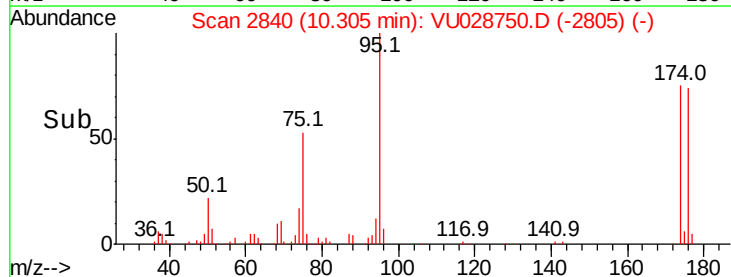
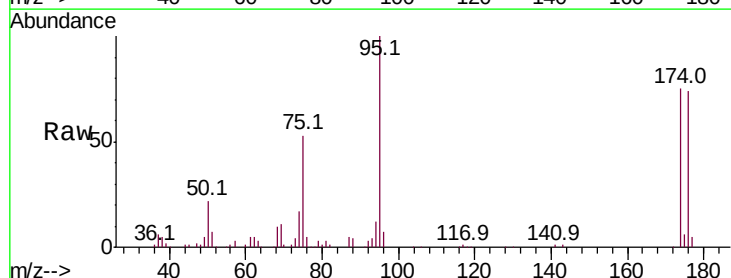
Instrument :
MSVOA_U
ClientSampleId :

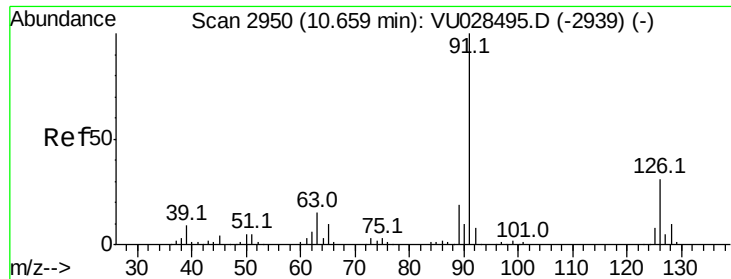
Tot Ion: 43 Resp: 550
Ion Ratio Lower Upper
43 100
70 0.0 29.3 43.9#
55 0.0 18.0 27.0#
61 0.0 18.3 27.5#



#76
1,2,3-Trichloropropane
Concen: 24.332 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.19 min
Lab File: VU028750.D
Acq: 18 Dec 2018 03:59

Tgt Ion: 75 Resp: 34724
Ion Ratio Lower Upper
75 100
77 0.6 20.8 62.4#

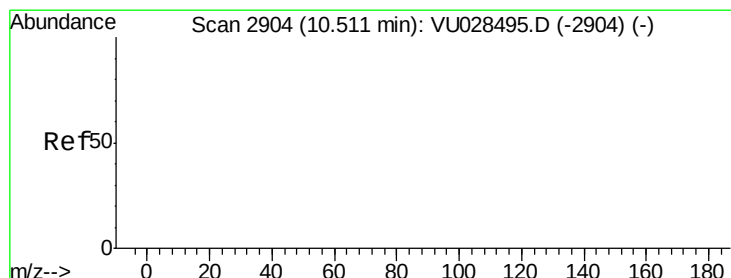
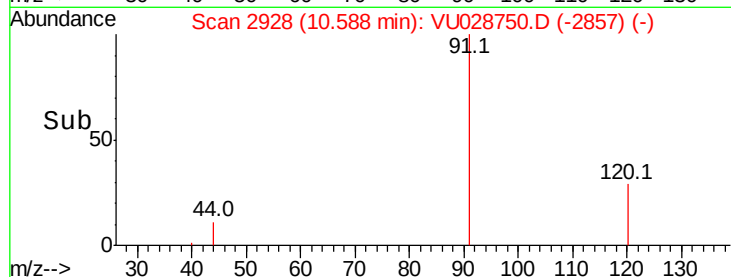
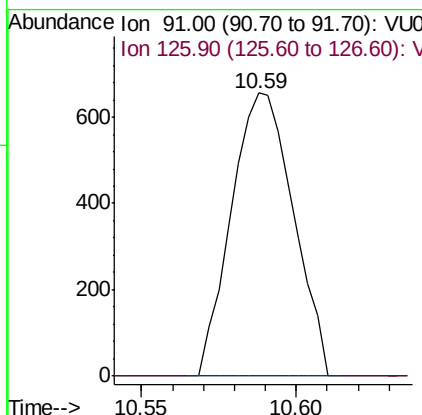
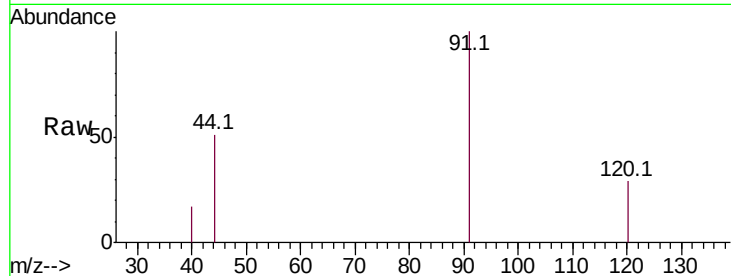




#79
 2-Chlorotoluene
 Concen: 0.297 ug/l
 RT: 10.59 min Scan# 2928
 Delta R.T. -0.07 min
 Lab File: VU028750.D
 Acq: 18 Dec 2018 03:59

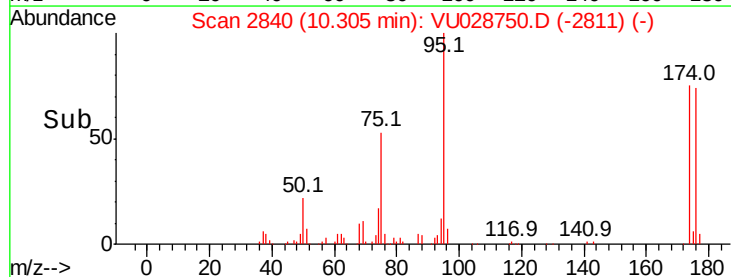
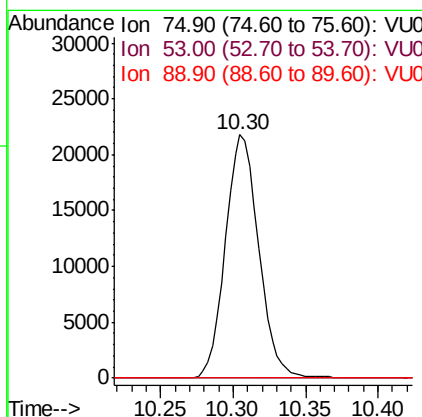
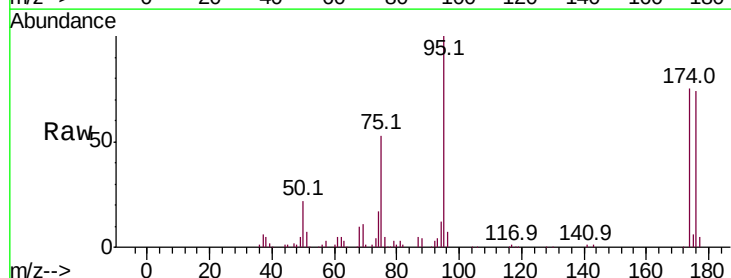
Instrument :
 MSVOA_U
 ClientSampleId :

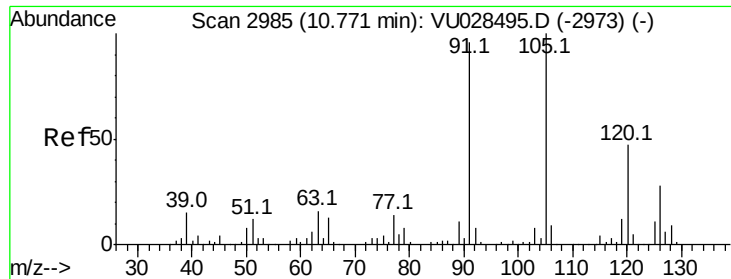
Tot Ion: 91 Resp: 913
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.6 46.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.722 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.21 min
 Lab File: VU028750.D
 Acq: 18 Dec 2018 03:59

Tgt Ion: 75 Resp: 34724
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 0.251 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.18 min

Lab File: VU028750.D

Acq: 18 Dec 2018 03:59

Instrument :

MSVOA_U

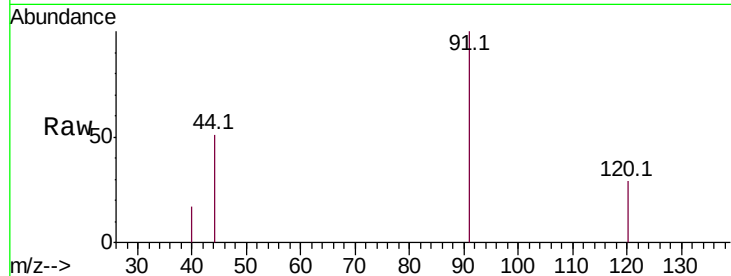
ClientSampleId :

Tot Ion: 91 Resp: 913

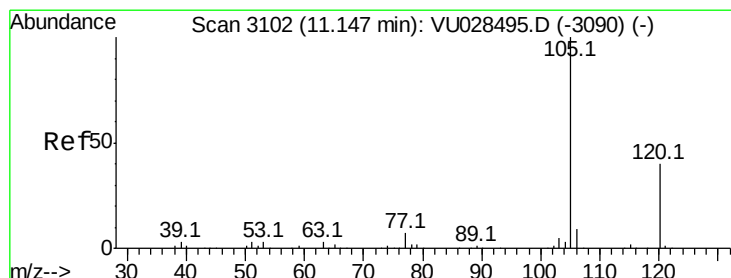
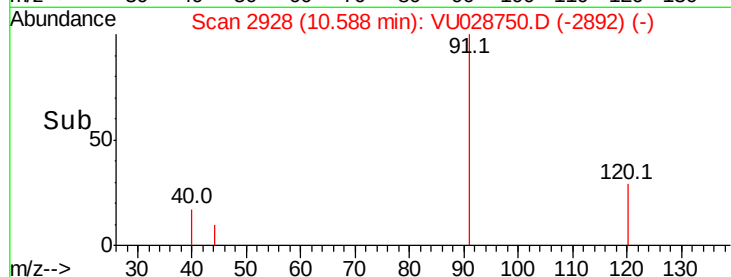
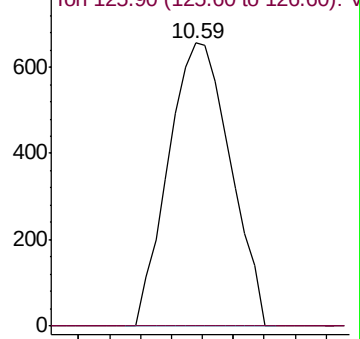
Ion Ratio Lower Upper

91 100

126 0.0 14.1 42.3#



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2973) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.617 ug/l

RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

Lab File: VU028750.D

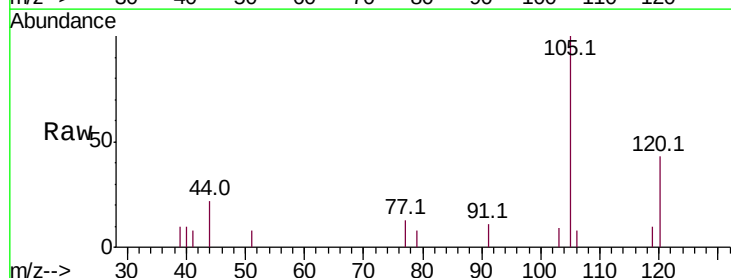
Acq: 18 Dec 2018 03:59

Tgt Ion: 105 Resp: 2256

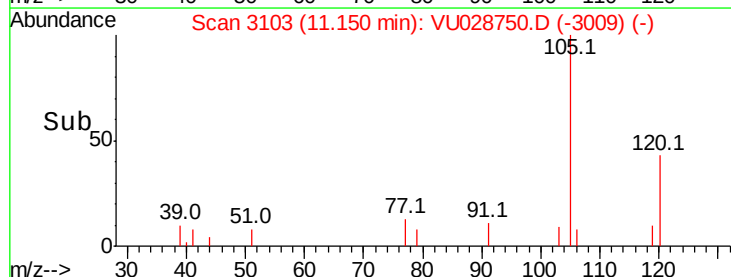
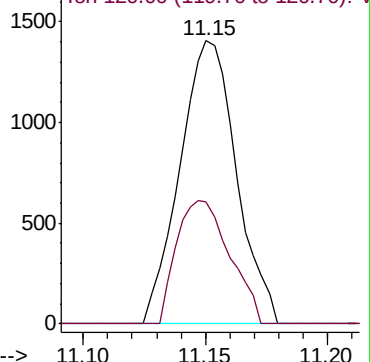
Ion Ratio Lower Upper

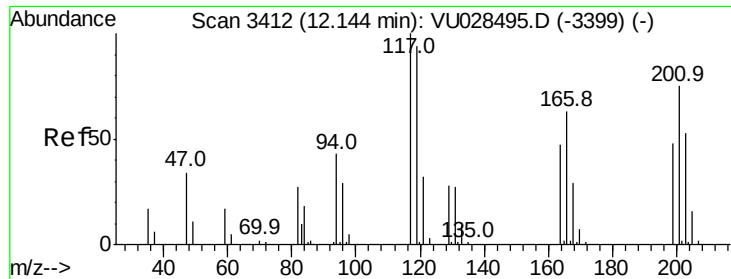
105 100

120 41.0 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): VU028495.D (-3090) (-)





#90

Hexachloroethane

Concen: 0.402 ug/l

RT: 12.35 min Scan# 3476

Delta R.T. 0.21 min

Lab File: VU028750.D

Acq: 18 Dec 2018 03:59

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:117 Resp: 227

Ion Ratio Lower Upper

117 100

201 0.0 38.1 114.5#

