

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121718\
 Data File : VU028745.D
 Acq On : 18 Dec 2018 01:58
 Operator : MD/SY
 Sample : J6413-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 07:38:37 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	78715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	142897	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	130162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	51839	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	65370	54.42	ug/l	0.00
Spiked Amount			Recovery	=	108.84%	
35) Dibromofluoromethane	4.88	113	48800	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	
50) Toluene-d8	7.57	98	183459	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	10.31	95	61020	45.89	ug/l	0.00
Spiked Amount			Recovery	=	91.78%	

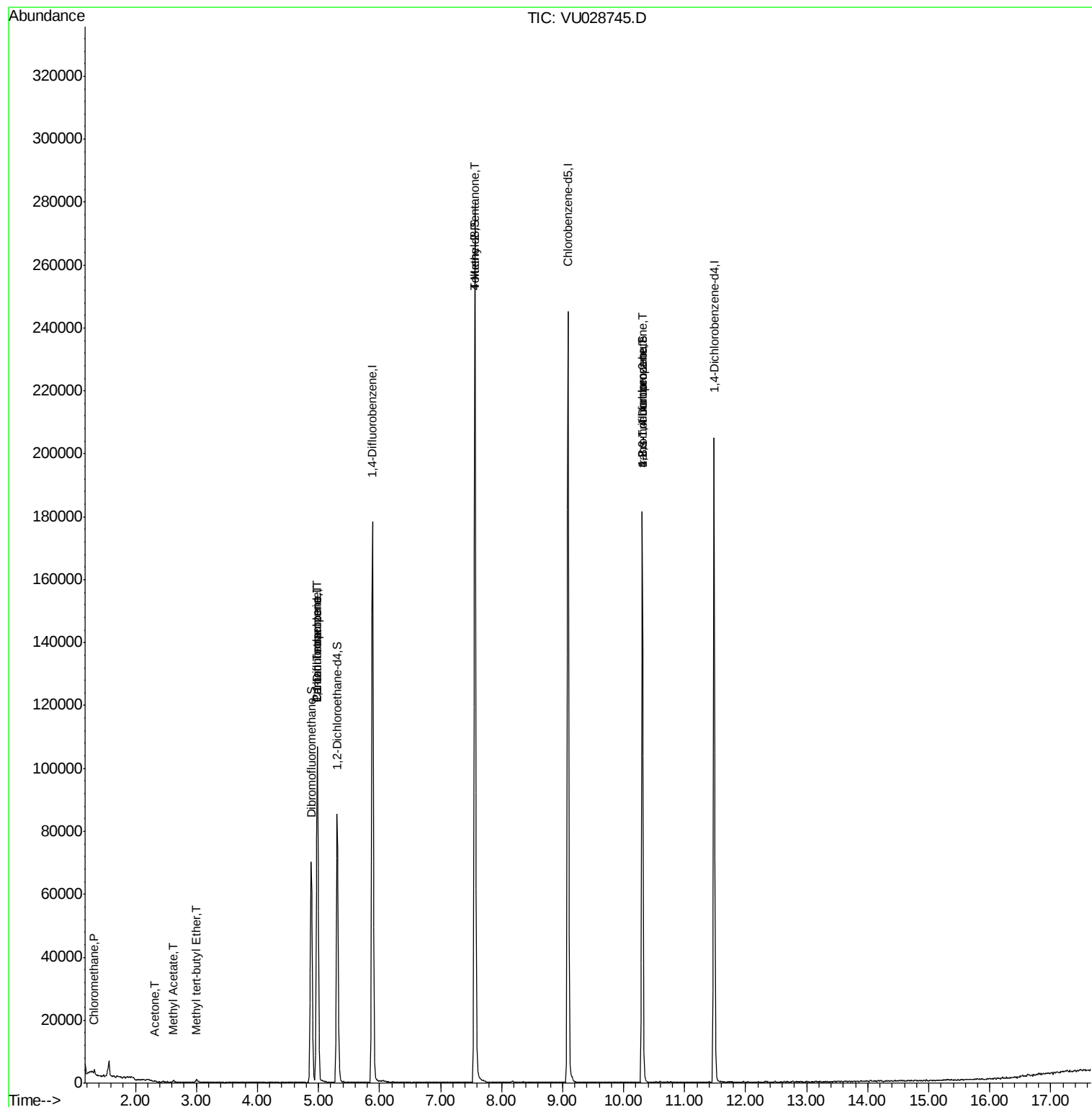
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1002	0.517	ug/l	99
16) Acetone	2.32	43	415	0.529	ug/l #	44
18) Methyl Acetate	2.62	43	1108	0.545	ug/l #	56
19) Methyl tert-butyl Ether	3.00	73	1139	0.343	ug/l	98
31) Cyclohexane	4.98	56	1777	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	6882	4.401	ug/l #	48
38) Carbon Tetrachloride	4.98	117	7706	6.114	ug/l #	16
51) 4-Methyl-2-Pentanone	7.56	43	920	0.456	ug/l #	1
76) 1,2,3-Trichloropropane	10.30	75	31781	24.009	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	31781	58.935	ug/l #	100

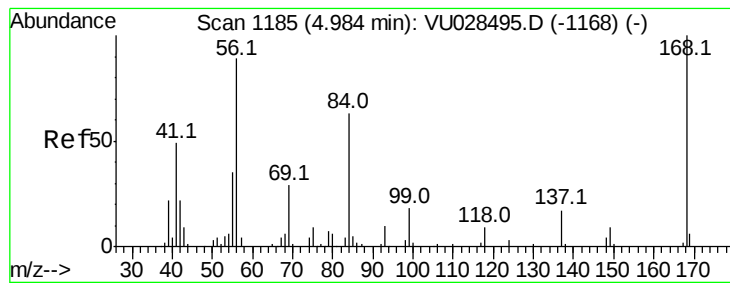
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028745.D

Acq: 18 Dec 2018 01:58

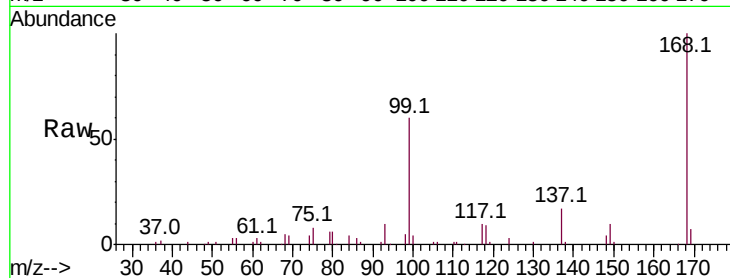
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 78715

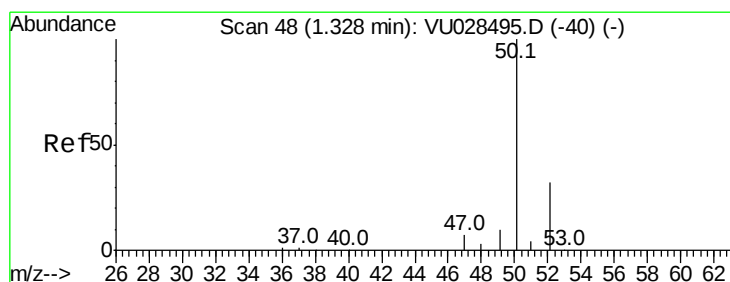
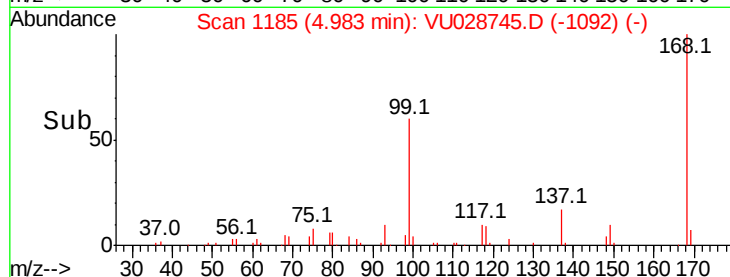
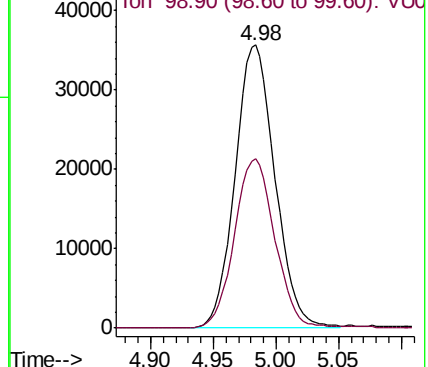
Ion Ratio Lower Upper

168 100

99 59.8 46.6 69.8



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



#3

Chloromethane

Concen: 0.517 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028745.D

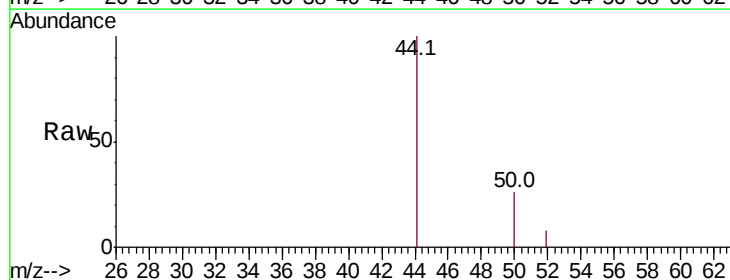
Acq: 18 Dec 2018 01:58

Tgt Ion: 50 Resp: 1002

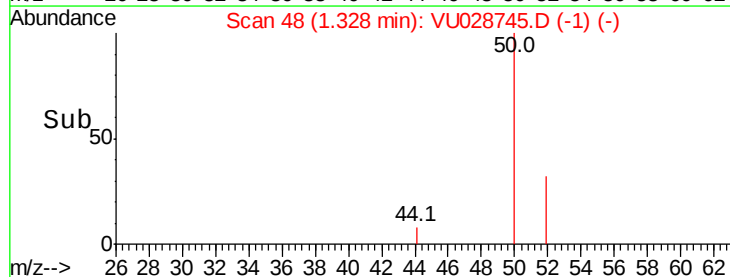
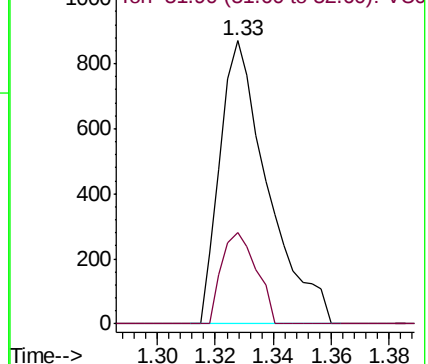
Ion Ratio Lower Upper

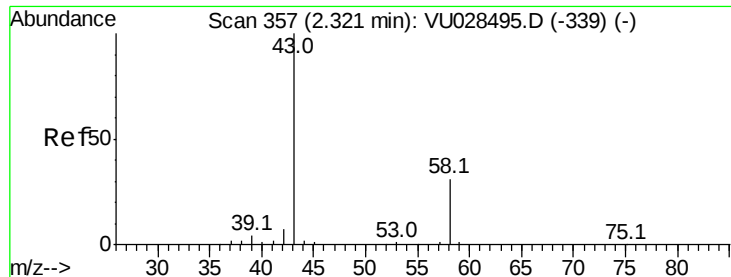
50 100

52 32.2 25.5 38.3



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





#16

Acetone

Concen: 0.529 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU028745.D

Acq: 18 Dec 2018 01:58

Instrument :

MSVOA_U

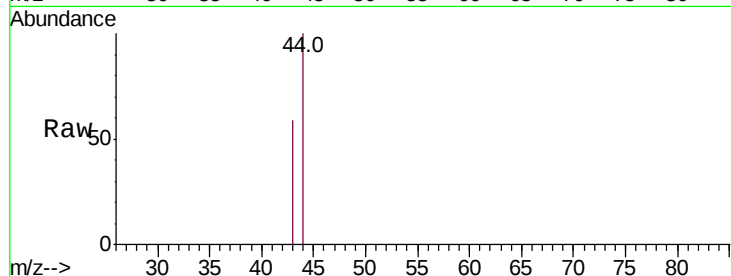
ClientSampleId :

Tot Ion: 43 Resp: 415

Ion Ratio Lower Upper

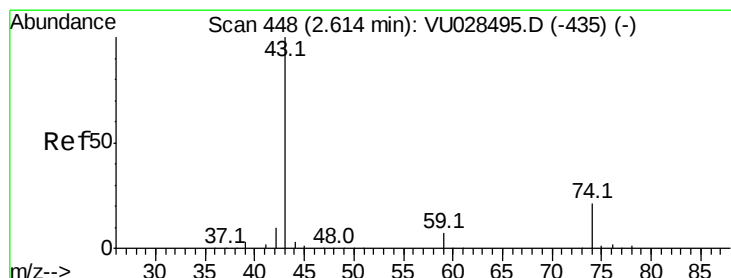
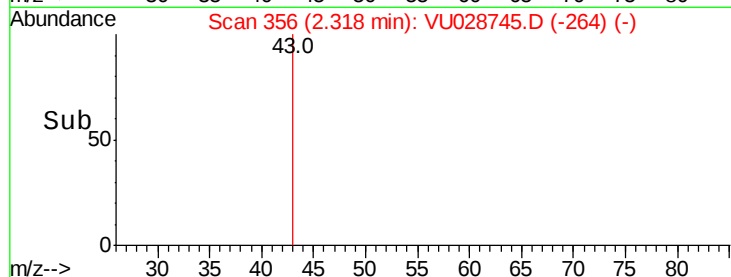
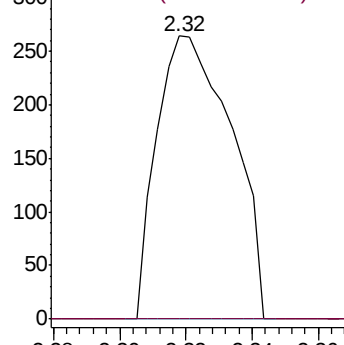
43 100

58 0.0 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: 0.545 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU028745.D

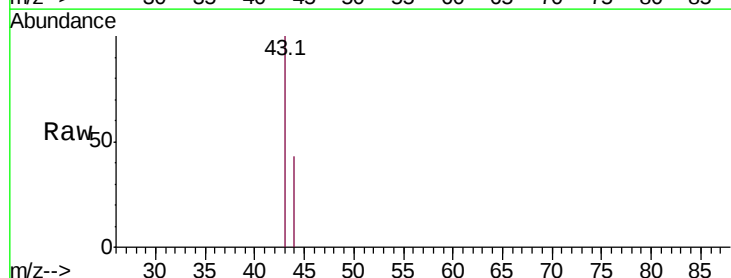
Acq: 18 Dec 2018 01:58

Tgt Ion: 43 Resp: 1108

Ion Ratio Lower Upper

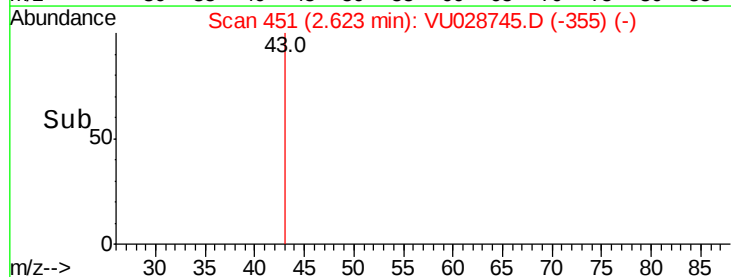
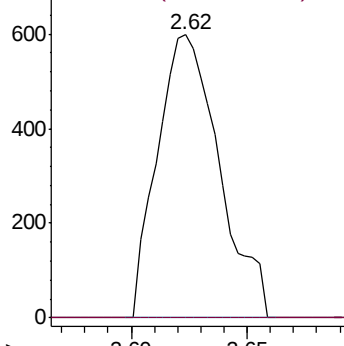
43 100

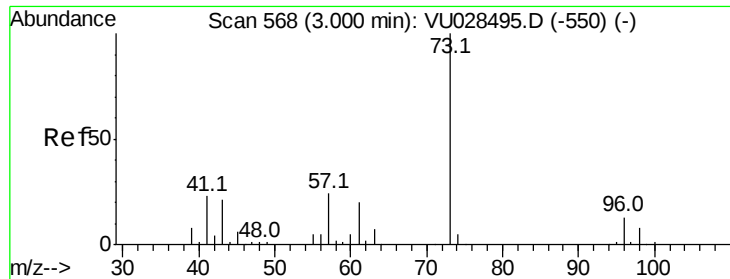
74 0.0 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



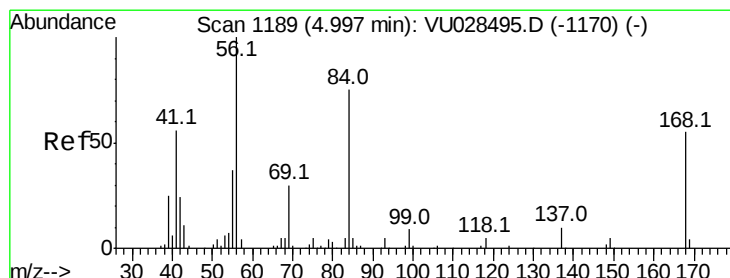
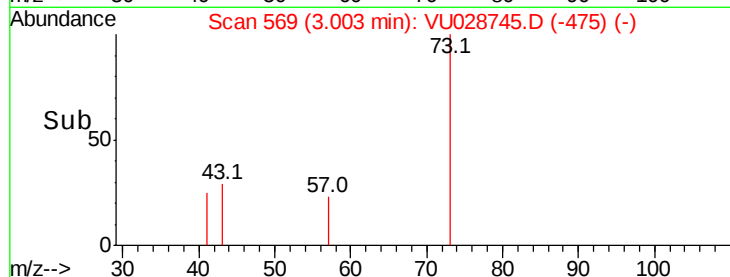
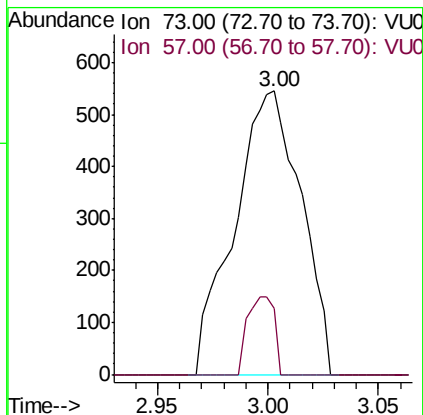
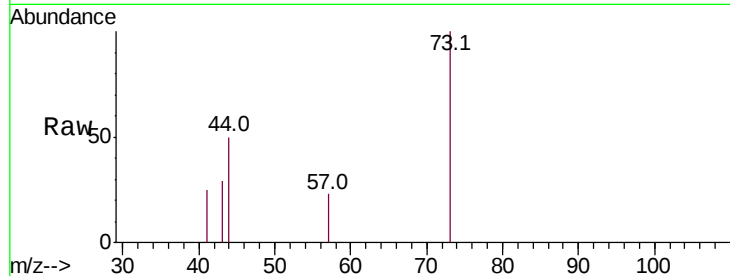


#19

Methyl tert-butyl Ether
 Concen: 0.343 ug/l
 RT: 3.00 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VU028745.D
 Acq: 18 Dec 2018 01:58

Instrument :
 MSVOA_U
 ClientSampled :

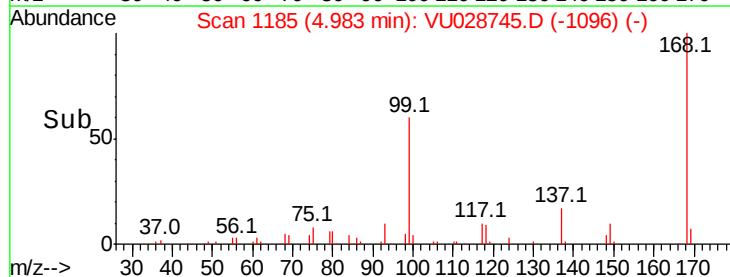
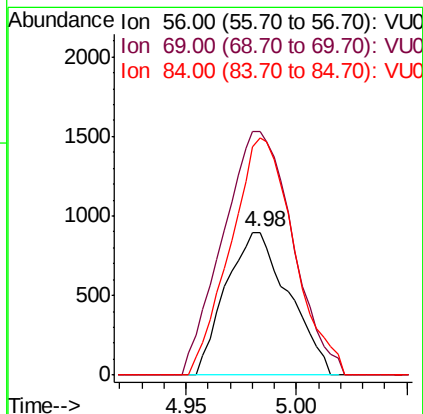
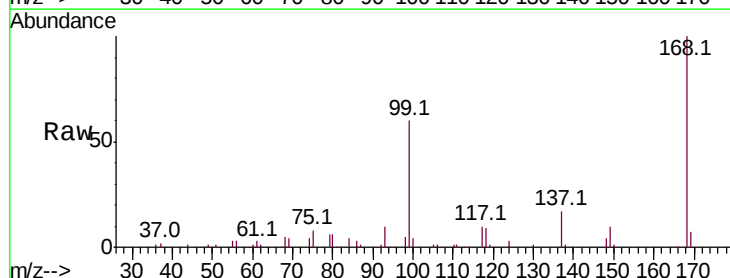
Tot Ion: 73 Resp: 1139
 Ion Ratio Lower Upper
 73 100
 57 23.3 19.4 29.2

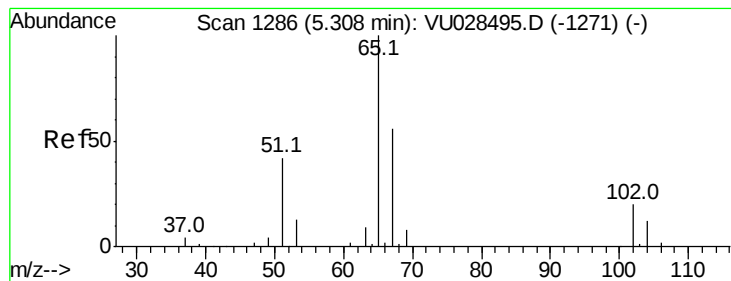


#31

Cyclohexane
 Concen: Below Cal
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VU028745.D
 Acq: 18 Dec 2018 01:58

Tgt Ion: 56 Resp: 1777
 Ion Ratio Lower Upper
 56 100
 69 158.0 24.0 36.0#
 84 166.2 59.7 89.5#





#33

1,2-Dichloroethane-d4

Concen: 54.419 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028745.D

Acq: 18 Dec 2018 01:58

Instrument :

MSVOA_U

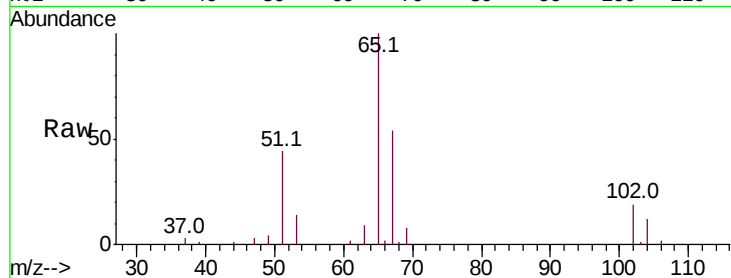
ClientSampleId :

Tot Ion: 65 Resp: 65370

Ion Ratio Lower Upper

65 100

67 54.7 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU028495.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU028495.D (-1271) (-)

5.31

30000

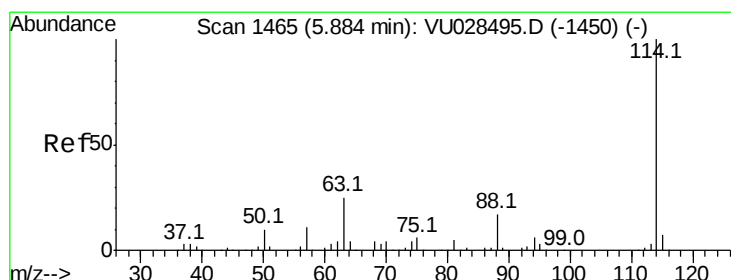
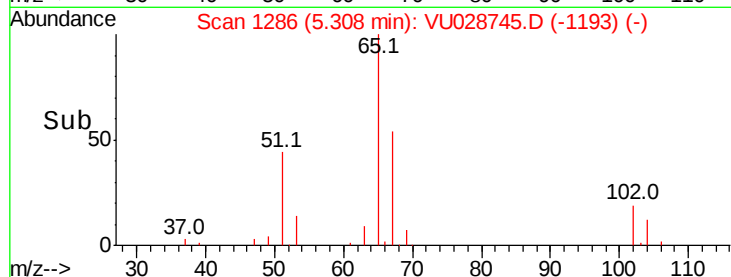
20000

10000

0

Time-->

5.20 5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028745.D

Acq: 18 Dec 2018 01:58

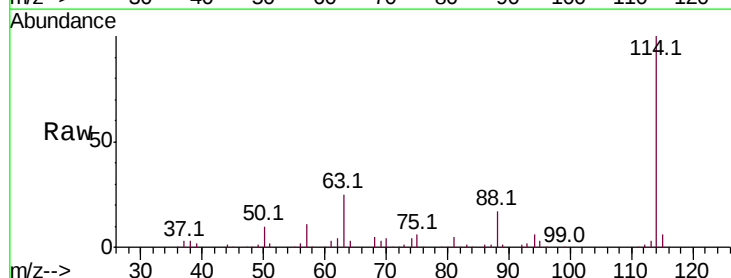
Tgt Ion: 114 Resp: 142897

Ion Ratio Lower Upper

114 100

63 24.7 0.0 49.2

88 16.9 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): VU028495.D (-1450) (-)

Ion 63.00 (62.70 to 63.70): VU028495.D (-1450) (-)

Ion 87.90 (87.60 to 88.60): VU028495.D (-1450) (-)

5.89

100000

80000

60000

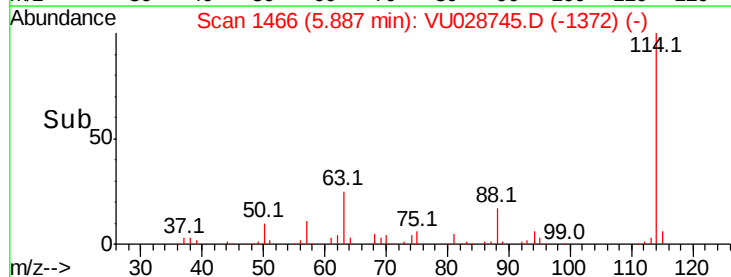
40000

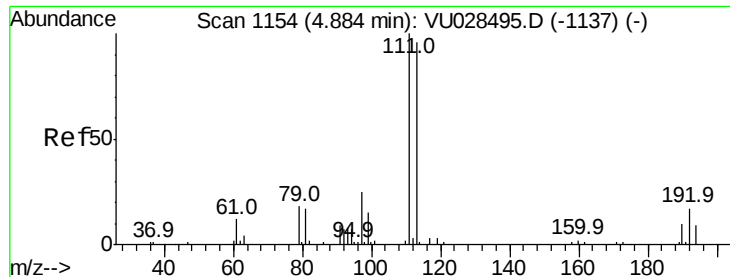
20000

0

Time-->

5.80 5.90 6.00

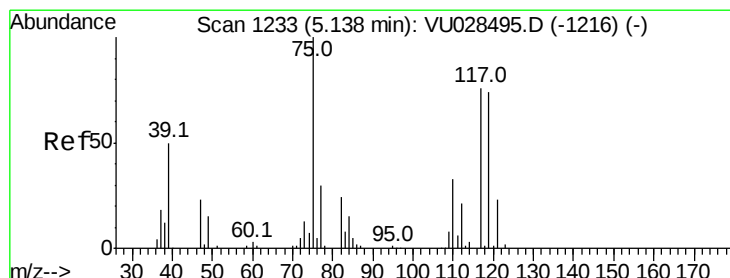
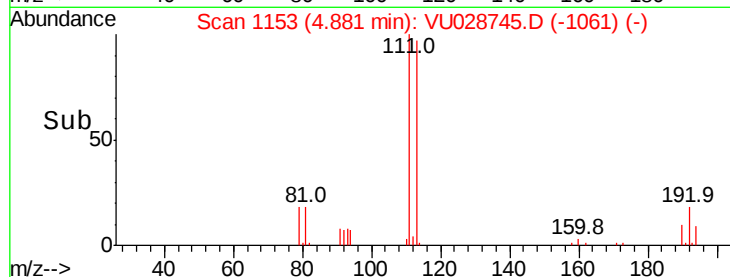
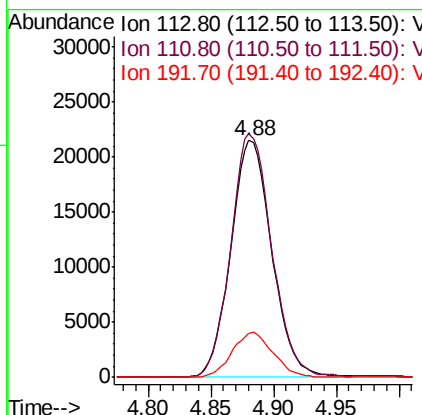
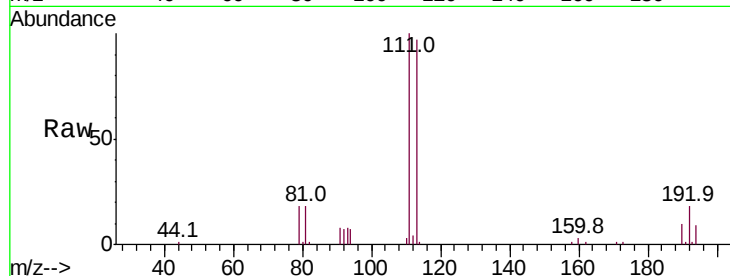




#35
 Dibromofluoromethane
 Concen: 54.267 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028745.D
 Acq: 18 Dec 2018 01:58

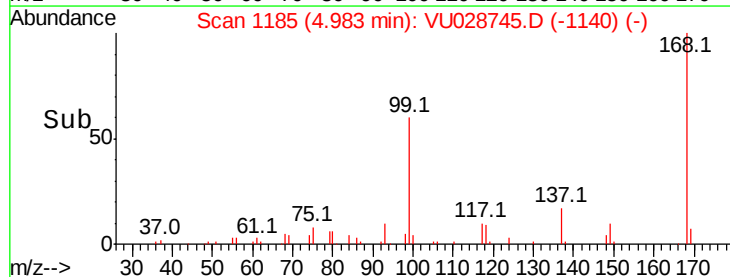
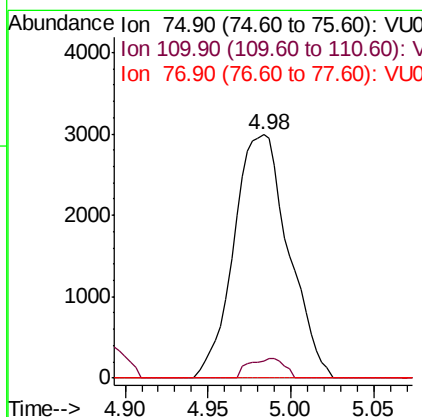
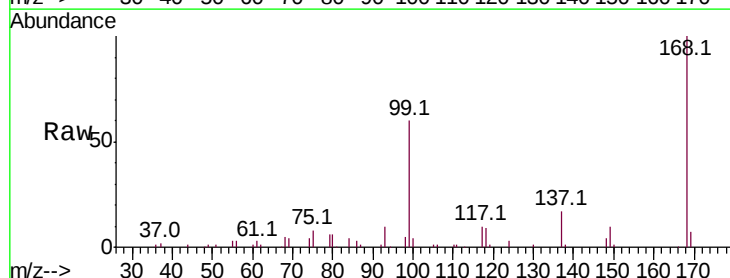
Instrument :
 MSVOA_U
 ClientSampled :

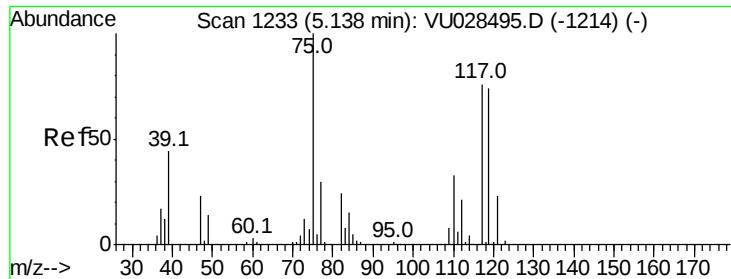
Tot Ion:113 Resp: 48800
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.4 125.0
 192 18.8 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.401 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028745.D
 Acq: 18 Dec 2018 01:58

Tgt Ion: 75 Resp: 6882
 Ion Ratio Lower Upper
 75 100
 110 5.2 16.1 48.2#
 77 0.0 24.5 36.7#

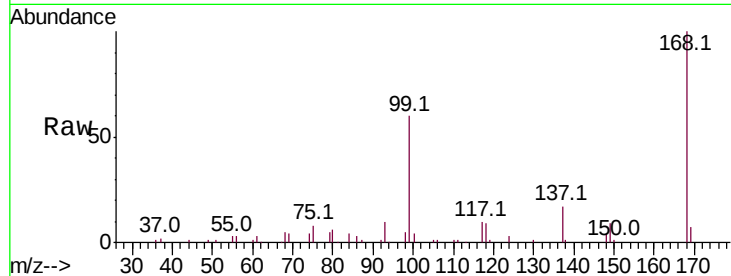




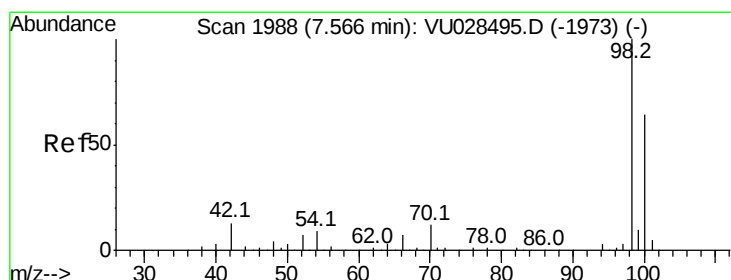
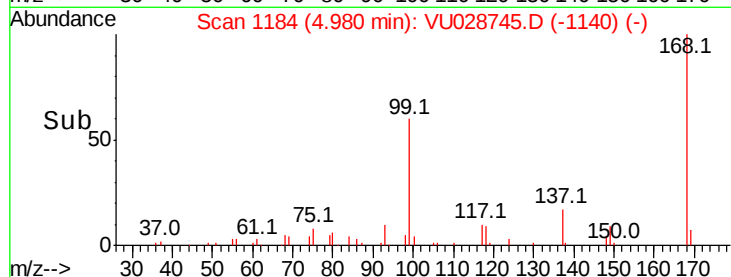
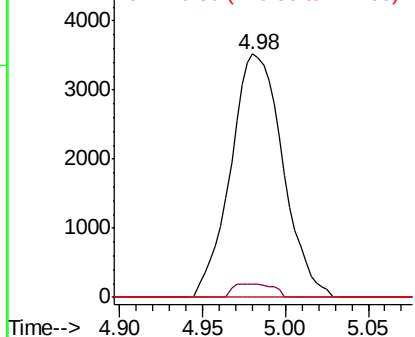
#38
Carbon Tetrachloride
Concen: 6.114 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.16 min
Lab File: VU028745.D
Acq: 18 Dec 2018 01:58

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 7706
Ion Ratio Lower Upper
117 100
119 5.6 77.6 116.4#
121 0.0 24.6 36.8#

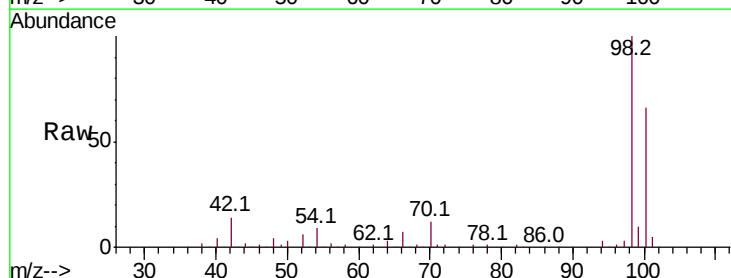


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

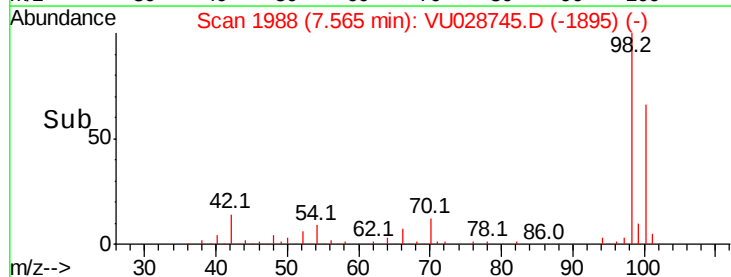
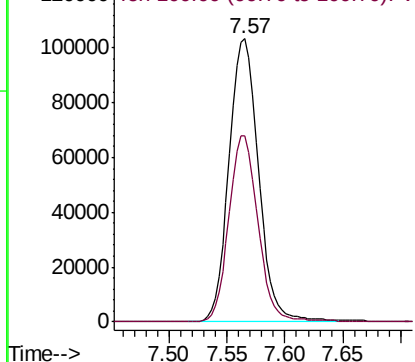


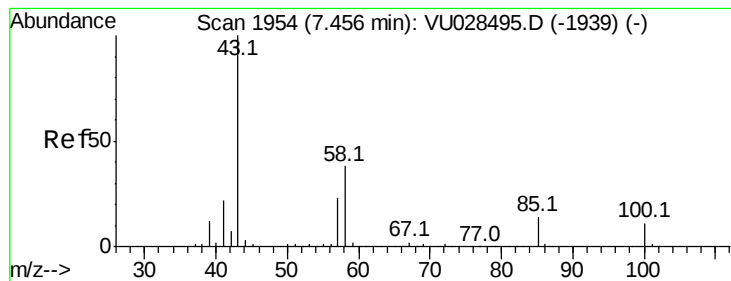
#50
Toluene-d8
Concen: 51.572 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028745.D
Acq: 18 Dec 2018 01:58

Tgt Ion: 98 Resp: 183459
Ion Ratio Lower Upper
98 100
100 64.5 51.0 76.6



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





#51

4-Methyl-2-Pentanone

Concen: 0.456 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.11 min

Lab File: VU028745.D

Acq: 18 Dec 2018 01:58

Instrument :

MSVOA_U

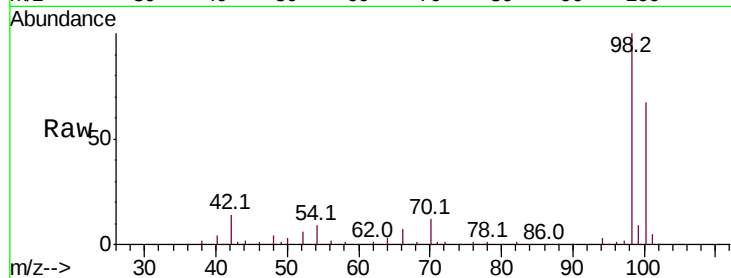
ClientSampleId :

Tot Ion: 43 Resp: 920

Ion Ratio Lower Upper

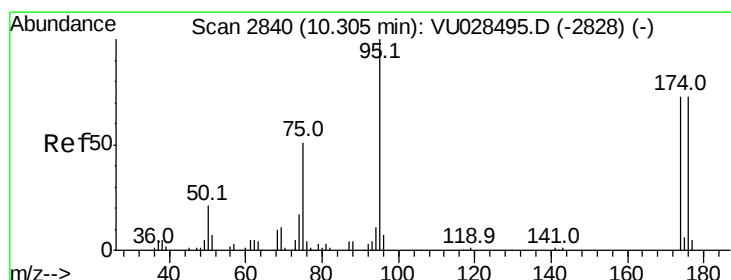
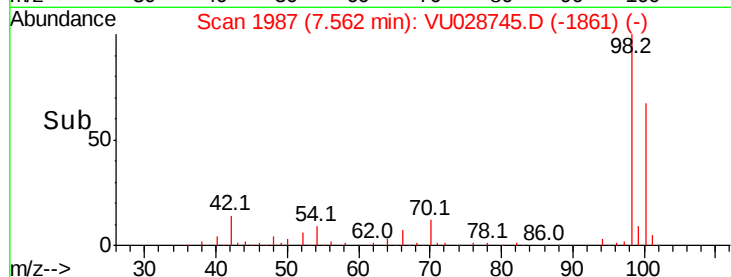
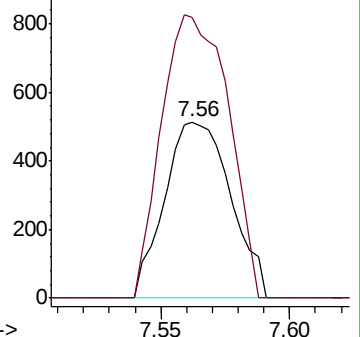
43 100

58 162.6 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: 45.894 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028745.D

Acq: 18 Dec 2018 01:58

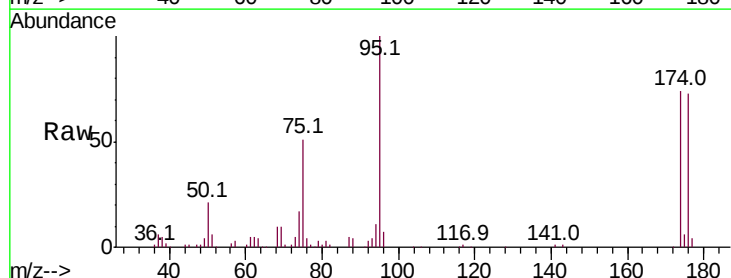
Tgt Ion: 95 Resp: 61020

Ion Ratio Lower Upper

95 100

174 74.5 0.0 150.4

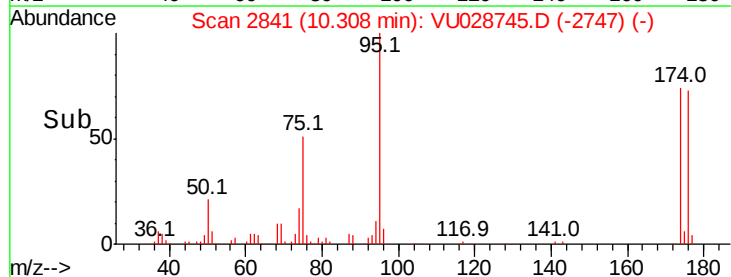
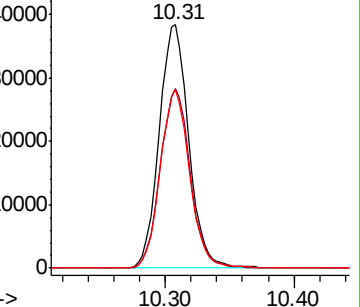
176 73.1 0.0 145.2

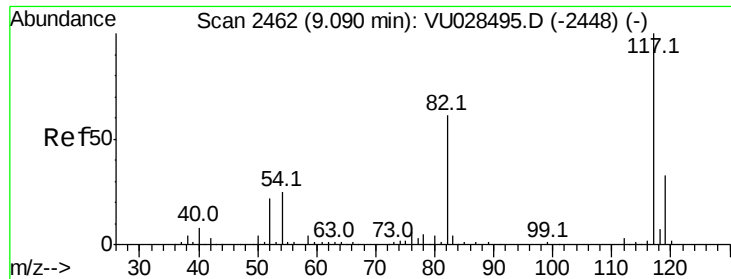


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

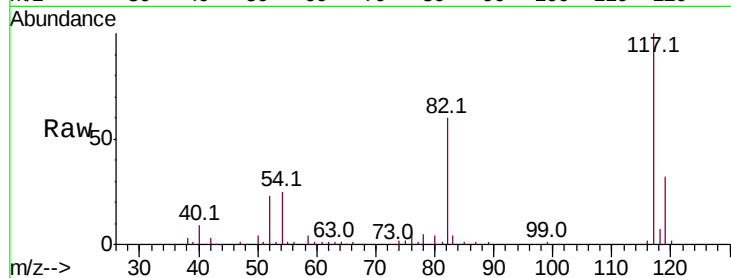




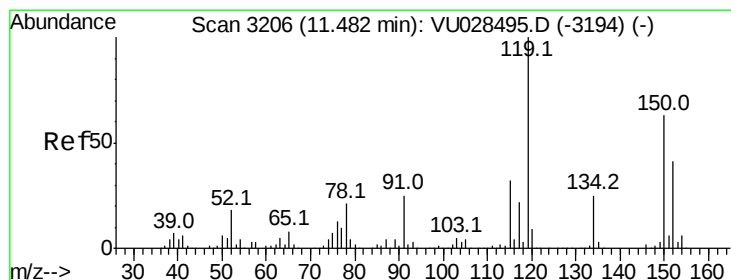
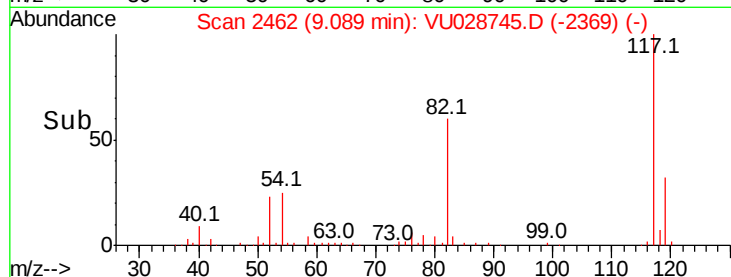
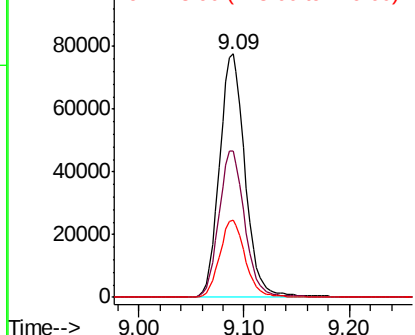
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028745.D
Acq: 18 Dec 2018 01:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 130162
Ion Ratio Lower Upper
117 100
82 59.9 48.9 73.3
119 32.0 26.2 39.4

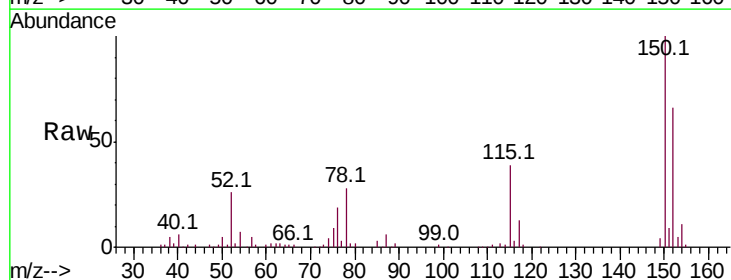


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

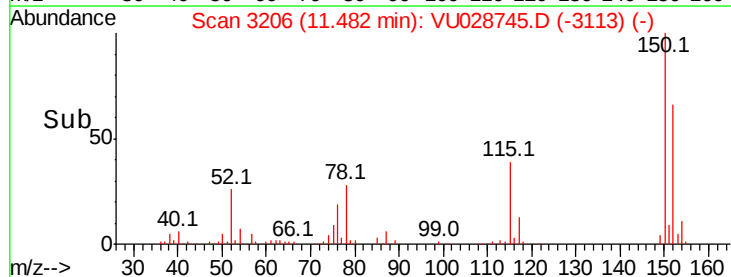
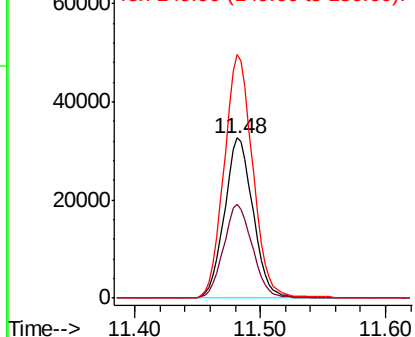


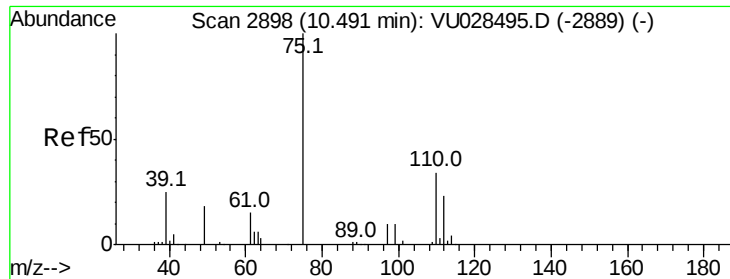
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028745.D
Acq: 18 Dec 2018 01:58

Tgt Ion:152 Resp: 51839
Ion Ratio Lower Upper
152 100
115 59.1 42.7 128.1
150 152.7 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: 24.009 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028745.D

Acq: 18 Dec 2018 01:58

Instrument :

MSVOA_U

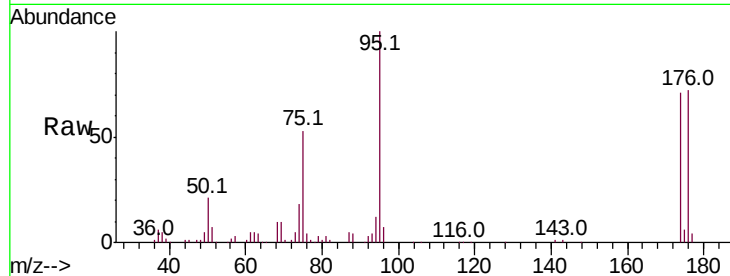
ClientSampleId :

Tot Ion: 75 Resp: 31781

Ion Ratio Lower Upper

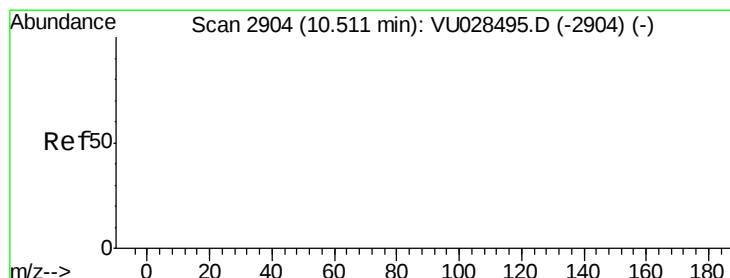
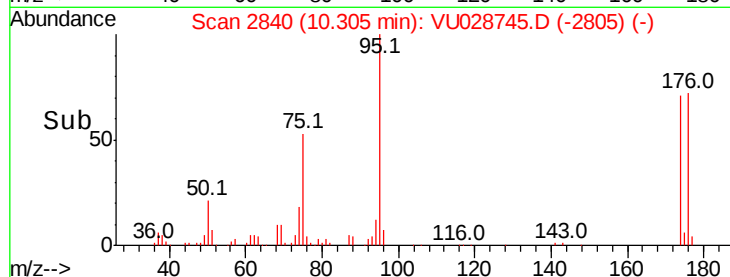
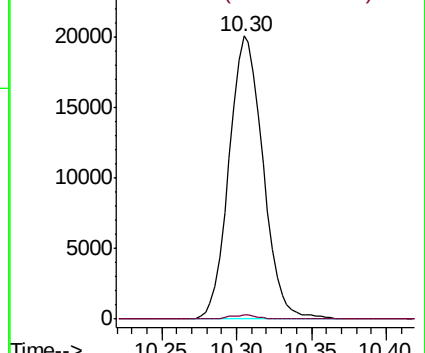
75 100

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: 58.935 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028745.D

Acq: 18 Dec 2018 01:58

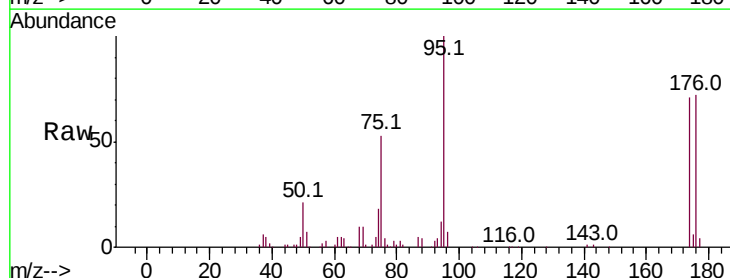
Tgt Ion: 75 Resp: 31781

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

