

Data File : VU028309.D
Acq On : 21 Nov 2018 11:05
Operator : MD/SY
Sample : J5997-13DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E3YA9DL

Quant Time: Nov 21 22:36:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 22:33:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	169790	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	158859	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	72266	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	63325	4.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.20%
7) Chloroethane-d5	1.68	69	49156	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	2.27	63	92625	3.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.80%
20) 2-Butanone-d5	4.20	46	186665	43.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.32%
24) Chloroform-d	4.65	84	104767	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	5.31	65	58788	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
32) Benzene-d6	5.34	84	218720	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.33	67	78819	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.57	98	189996	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	7.85	79	28828	5.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.80%
46) 2-Hexanone-d5	8.31	63	130396	40.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.98%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	53608	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	62569	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.30	85	988	0.069 ug/L #	84
3) Chloromethane	1.32	50	4849	0.267 ug/L	94
6) Bromomethane	1.63	94	412	0.053 ug/L	80
8) Chloroethane	1.70	64	5756	0.565 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	613	0.055 ug/L #	23
12) 1,1-Dichloroethene	2.27	96	848	0.081 ug/L #	1
13) Acetone	2.33	43	4469	1.520 ug/L	81
19) 1,1-Dichloroethane	3.45	63	1144	0.044 ug/L #	64
25) Chloroform	4.67	83	3414	0.122 ug/L	88
33) Benzene	5.39	78	36453	0.695 ug/L	100
35) Methylcyclohexane	6.33	83	15763	0.780 ug/L #	14
37) 1,2-Dichloropropane	6.43	63	1653	0.111 ug/L #	92
39) cis-1,3-Dichloropropene	7.22	75	2206	0.116 ug/L #	76
42) Toluene	7.64	91	2456	0.046 ug/L	96
45) 1,1,2-Trichloroethane	8.04	97	1222	0.135 ug/L #	13
47) Tetrachloroethene	8.22	164	760	0.085 ug/L #	74
49) Dibromochloromethane	8.65	129	747	0.082 ug/L #	10

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112118\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

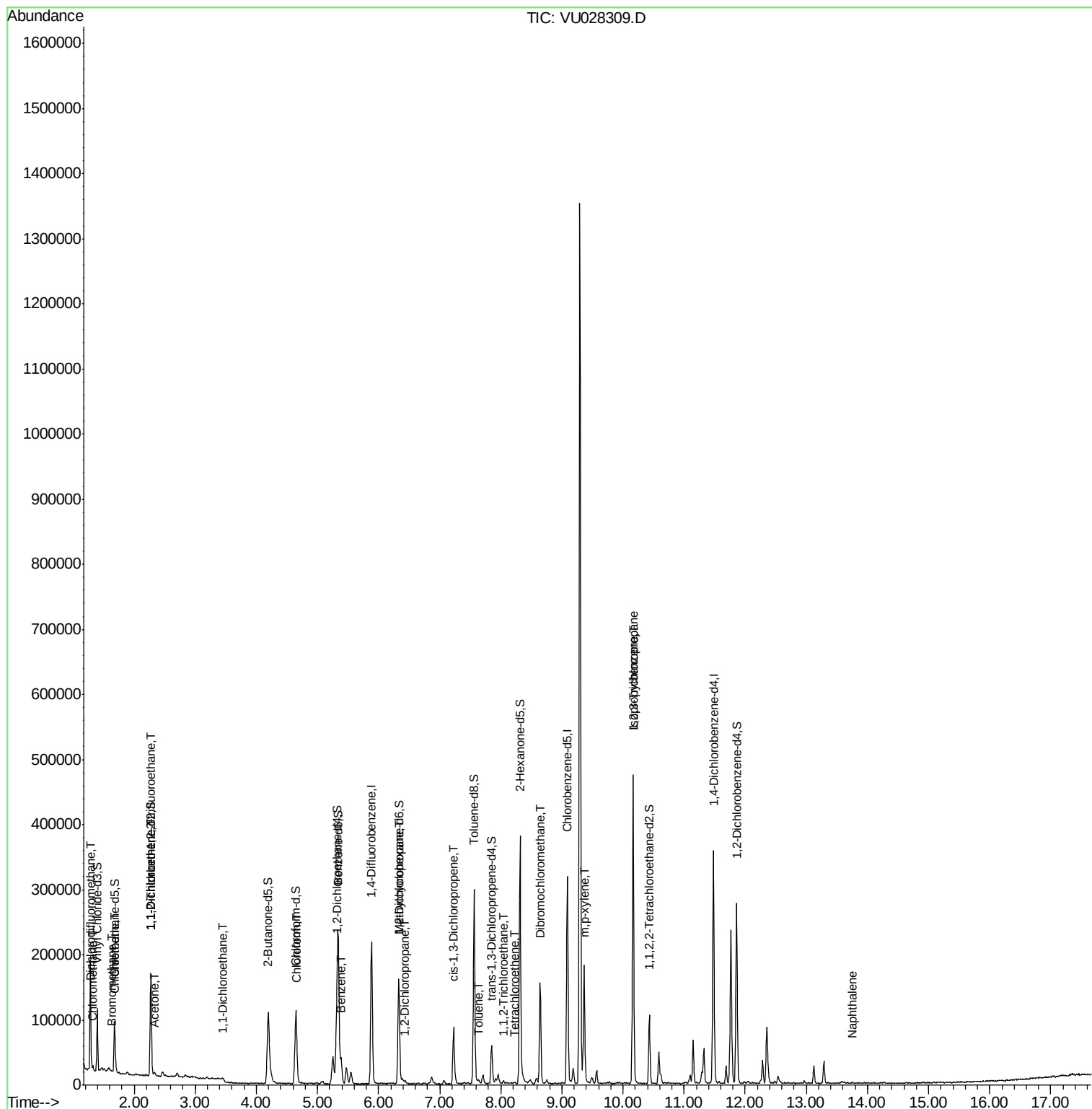
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-xylene	9.38	106	1390	0.070	ug/L	85
56) Isopropylbenzene	10.17	105	289595	5.457	ug/L	99
59) 1,2,3-Trichloropropane	10.16	75	3577	0.414	ug/L #	1
69) Naphthalene	13.75	128	1272	0.051	ug/L #	85

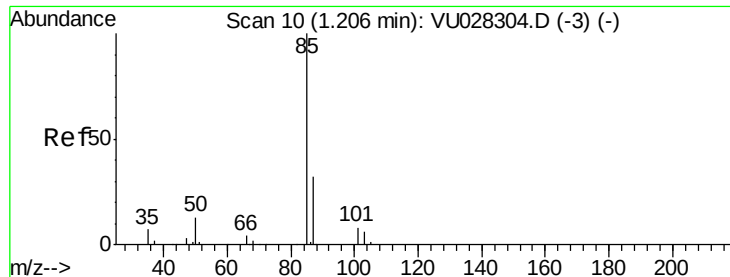
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.069 ug/L

RT: 1.30 min Scan# 40

Delta R.T. 0.10 min

Lab File: VU028309.D

Acq: 21 Nov 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

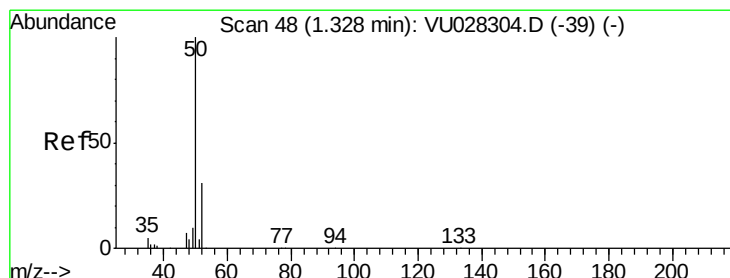
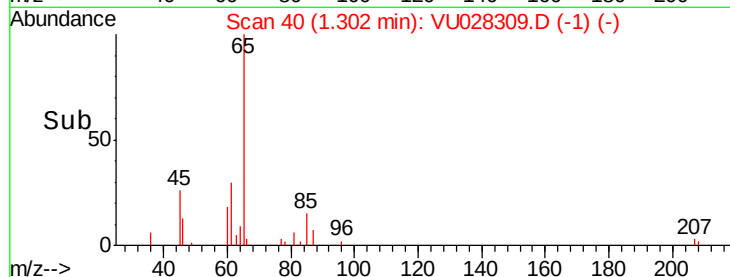
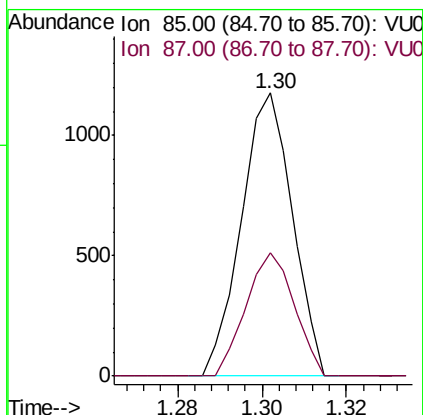
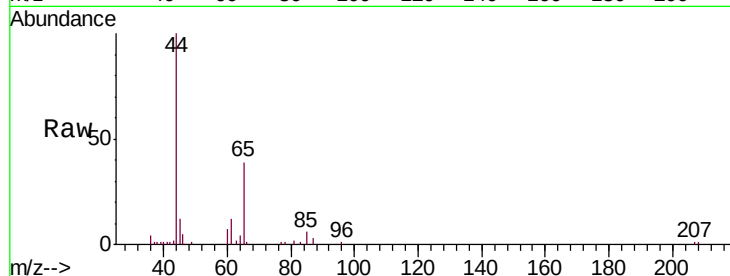
E3YA9DL

Tgt Ion: 85 Resp: 988

Ion Ratio Lower Upper

85 100

87 41.2 25.9 38.9#



#3

Chloromethane

Concen: 0.267 ug/L

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU028309.D

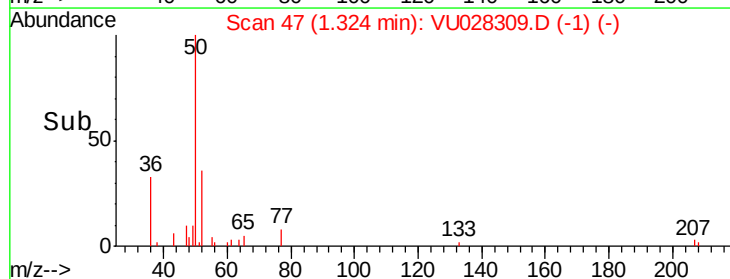
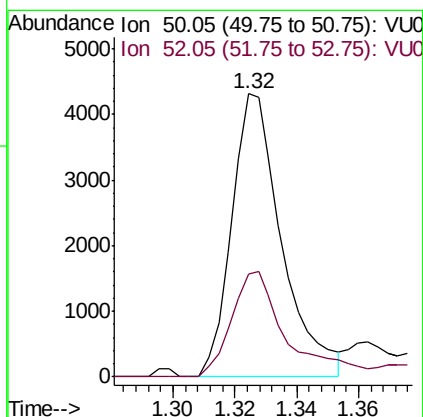
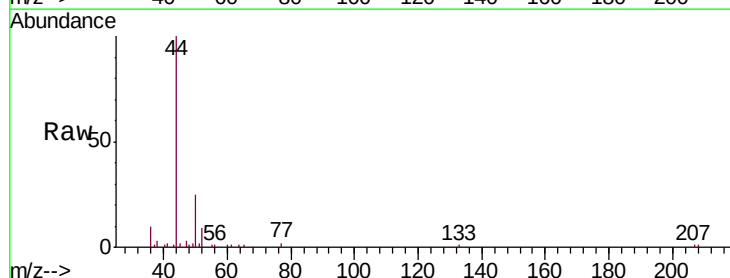
Acq: 21 Nov 2018 11:05

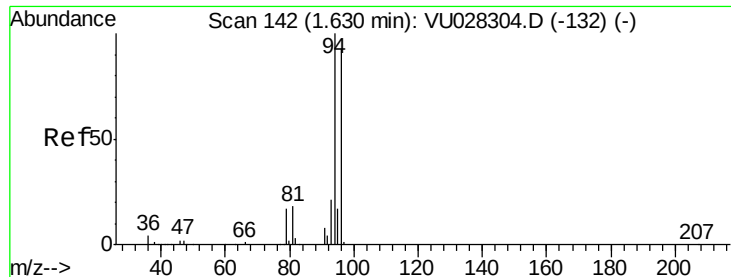
Tgt Ion: 50 Resp: 4849

Ion Ratio Lower Upper

50 100

52 36.2 22.8 42.4





#6

Bromomethane

Concen: 0.053 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU028309.D

Acq: 21 Nov 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

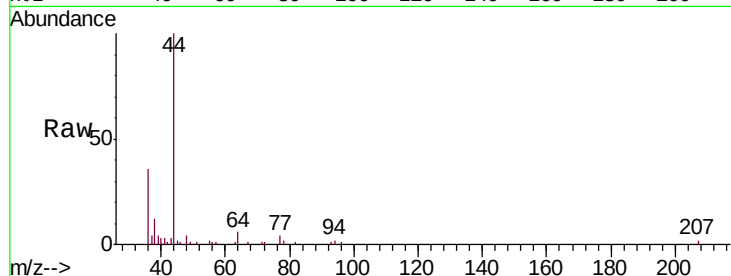
E3YA9DL

Tgt Ion: 94 Resp: 412

Ion Ratio Lower Upper

94 100

96 71.6 63.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

250

200

150

100

50

0

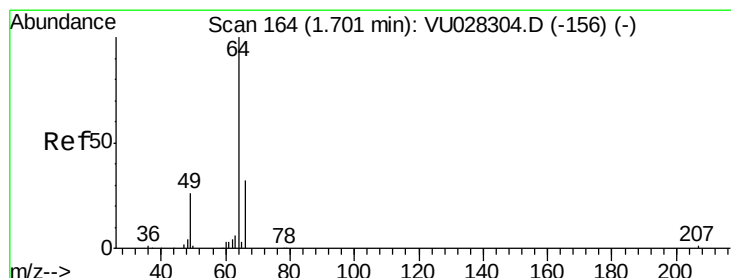
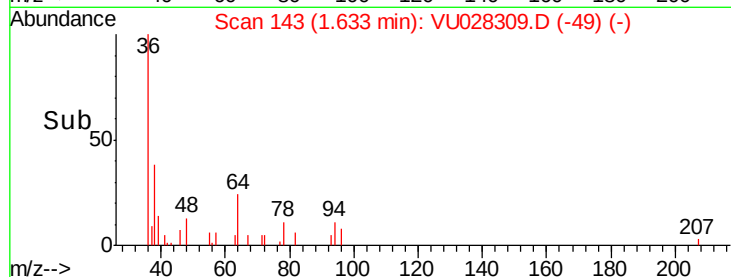
1.60

1.62

1.64

1.66

Time-->



#8

Chloroethane

Concen: 0.565 ug/L

RT: 1.70 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU028309.D

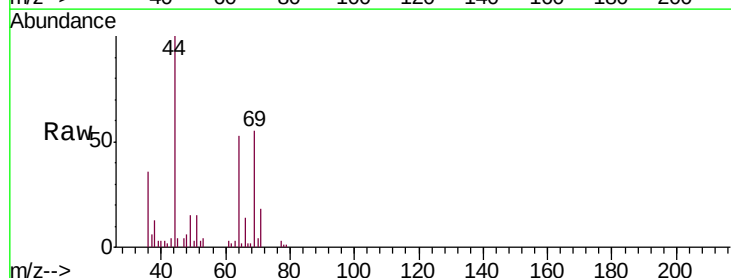
Acq: 21 Nov 2018 11:05

Tgt Ion: 64 Resp: 5756

Ion Ratio Lower Upper

64 100

66 27.2 20.7 38.5



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

6000

5000

4000

3000

2000

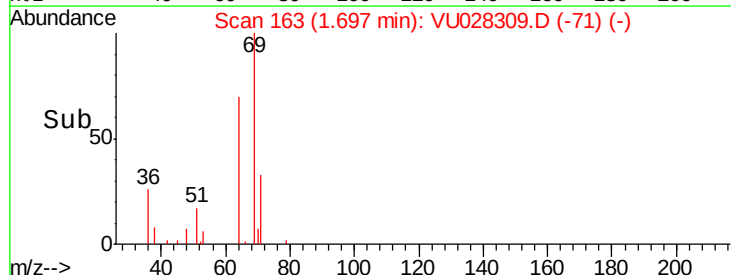
1000

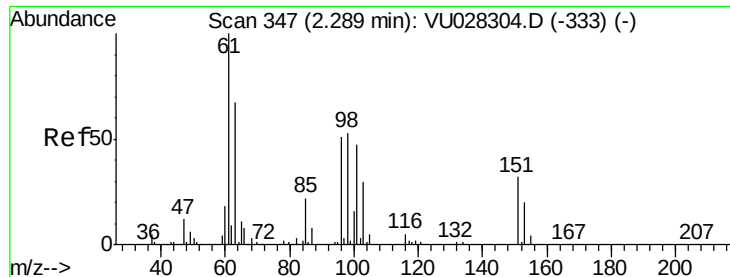
0

1.65

1.70

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.055 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU028309.D

Acq: 21 Nov 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

E3YA9DL

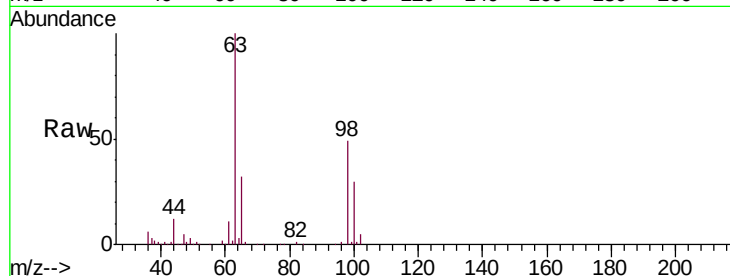
Tgt Ion: 101 Resp: 613

Ion Ratio Lower Upper

101 100

85 3.4 37.4 56.2#

151 0.0 55.0 82.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.28

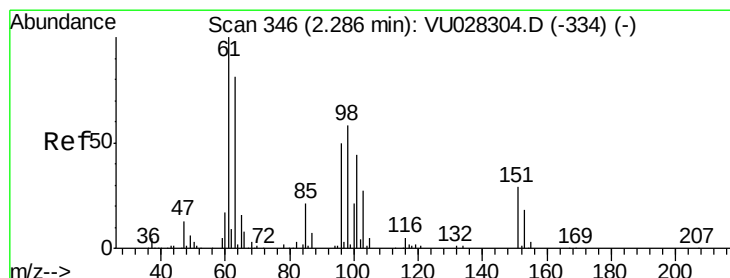
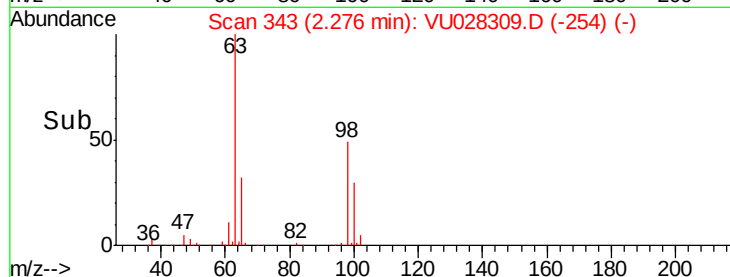
400

200

0

2.24 2.26 2.28 2.30

Time-->



#12

1,1-Dichloroethene

Concen: 0.081 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.02 min

Lab File: VU028309.D

Acq: 21 Nov 2018 11:05

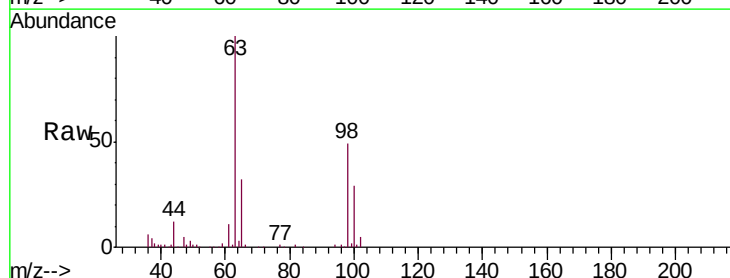
Tgt Ion: 96 Resp: 848

Ion Ratio Lower Upper

96 100

61 1286.5 145.5 270.1#

63 11572.7 98.6 183.2#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

80000

60000

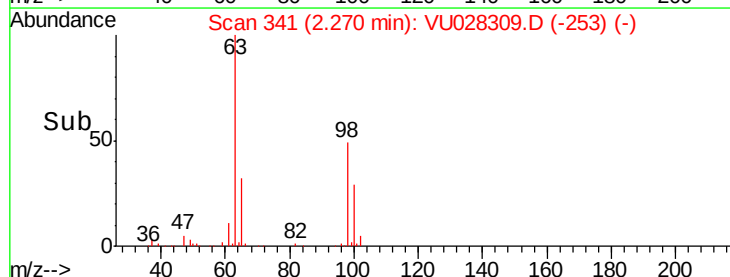
40000

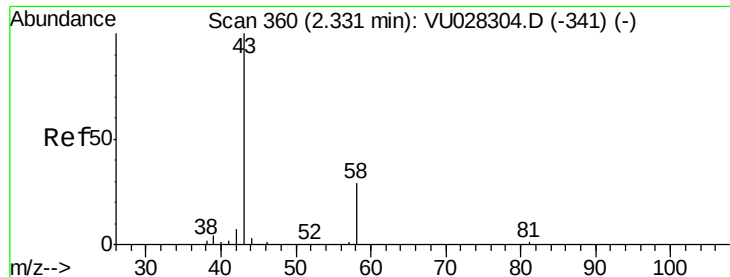
20000

0

2.24 2.26 2.28 2.30

Time-->





#13

Acetone

Concen: 1.520 ug/L

RT: 2.33 min Scan# 359

Delta R.T. -0.00 min

Lab File: VU028309.D

Acq: 21 Nov 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

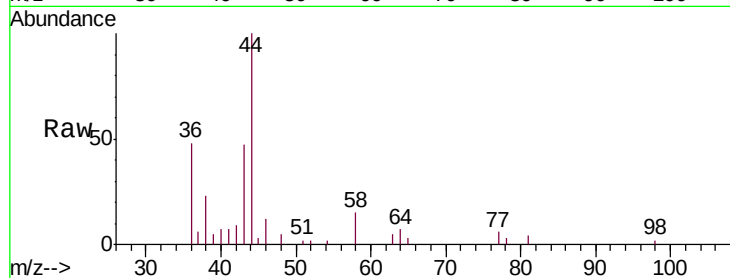
E3YA9DL

Tgt Ion: 43 Resp: 4469

Ion Ratio Lower Upper

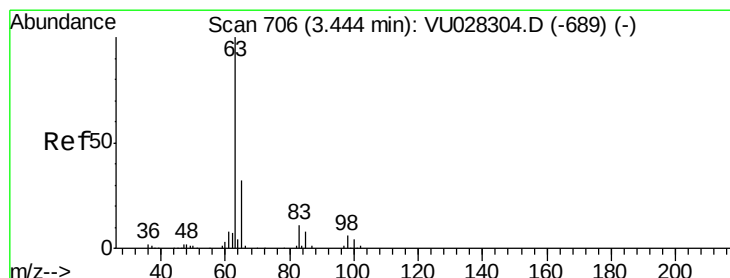
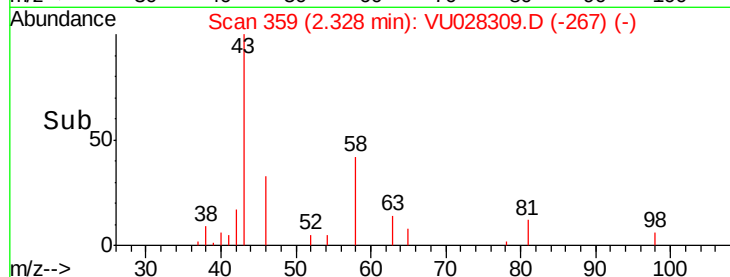
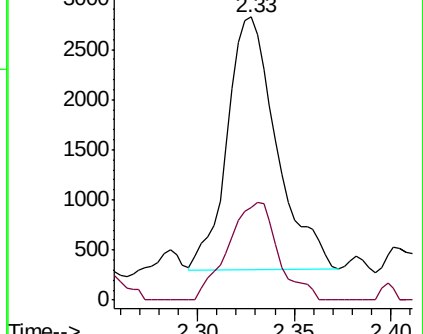
43 100

58 39.5 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#19

1,1-Dichloroethane

Concen: 0.044 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.01 min

Lab File: VU028309.D

Acq: 21 Nov 2018 11:05

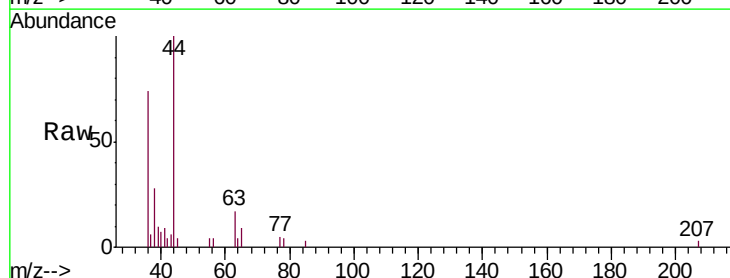
Tgt Ion: 63 Resp: 1144

Ion Ratio Lower Upper

63 100

65 50.7 21.2 39.4#

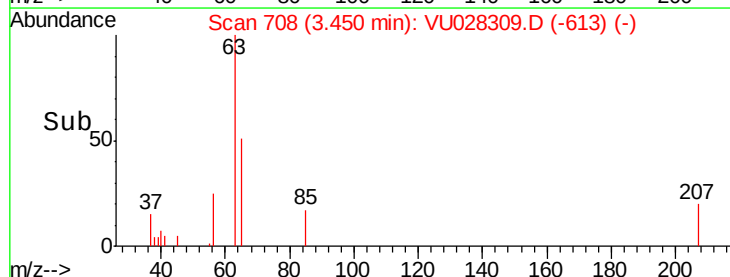
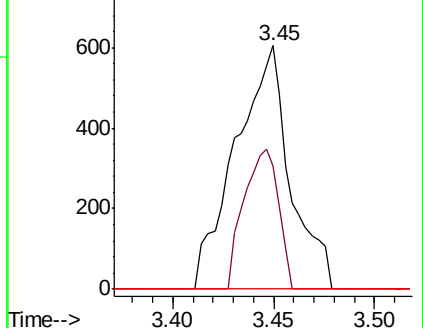
83 0.0 8.8 16.4#

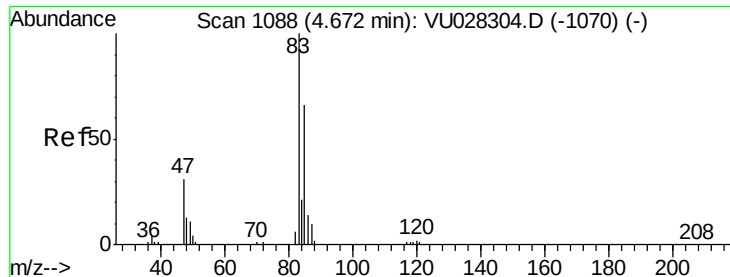


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0

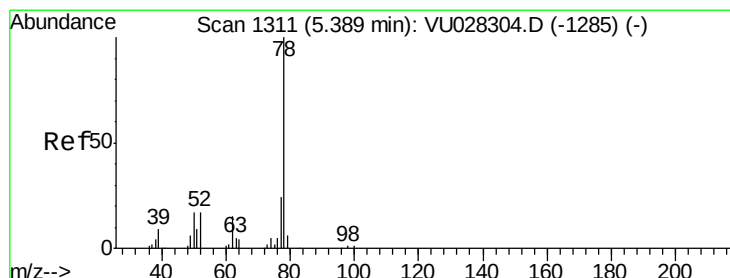
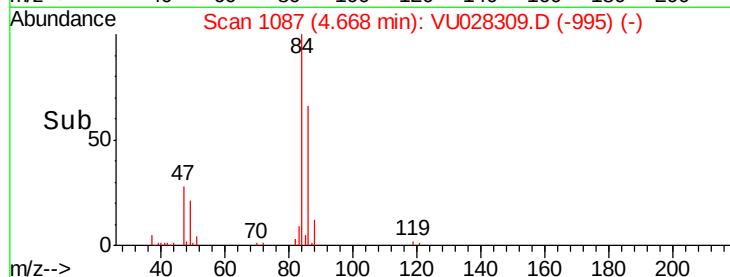
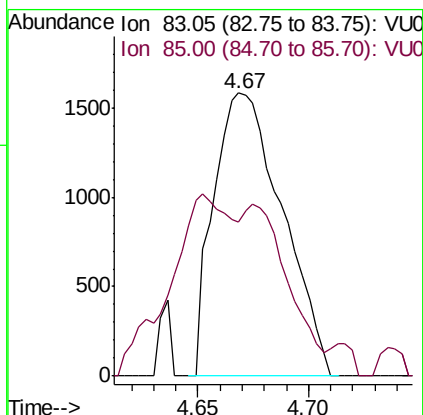
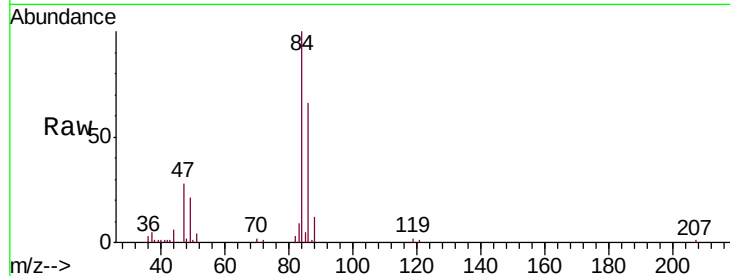




#25
Chloroform
Concen: 0.122 ug/L
RT: 4.67 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VU028309.D
Acq: 21 Nov 2018 11:05

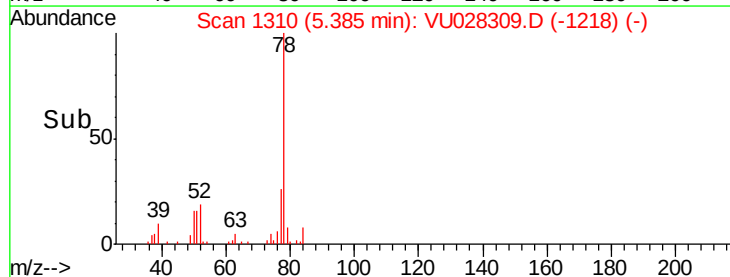
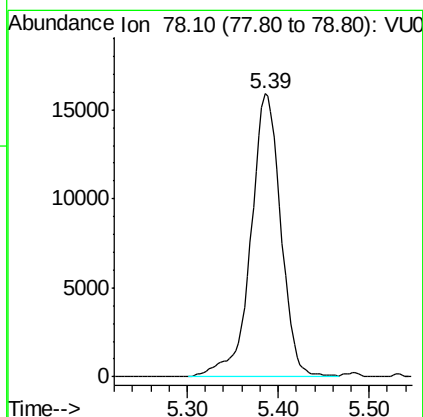
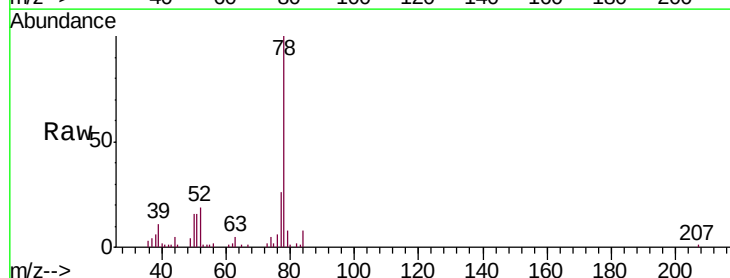
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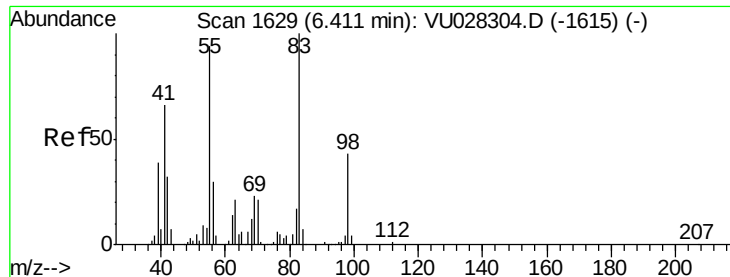
Tgt Ion: 83 Resp: 3414
Ion Ratio Lower Upper
83 100
85 54.4 44.6 82.8



#33
Benzene
Concen: 0.695 ug/L
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028309.D
Acq: 21 Nov 2018 11:05

Tgt Ion: 78 Resp: 36453

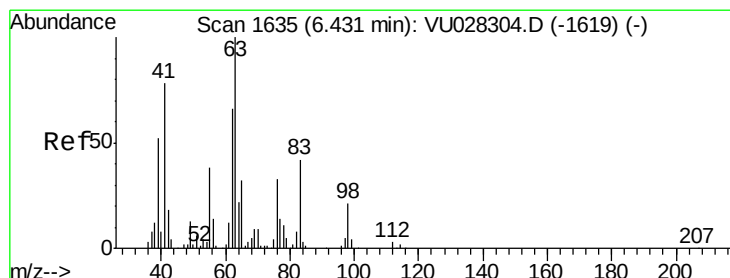
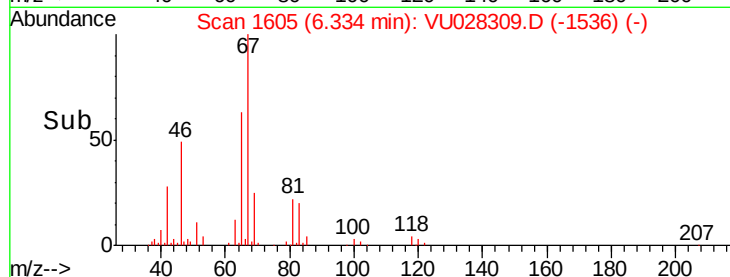
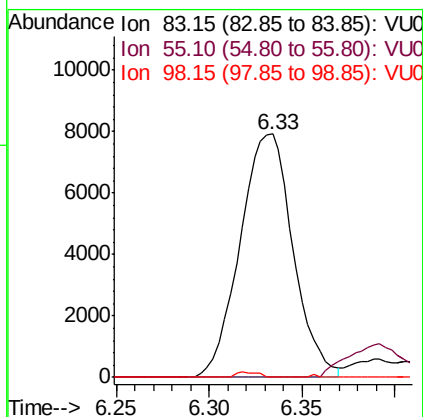
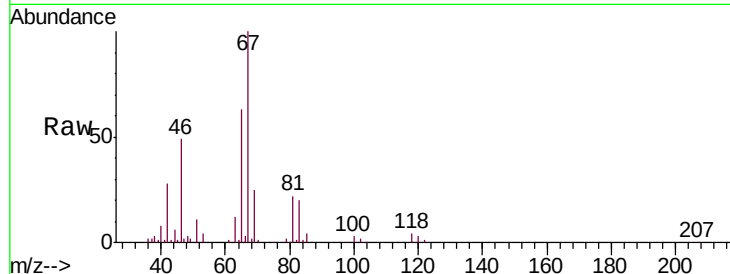




#35
Methylcyclohexane
Concen: 0.780 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU028309.D
Acq: 21 Nov 2018 11:05

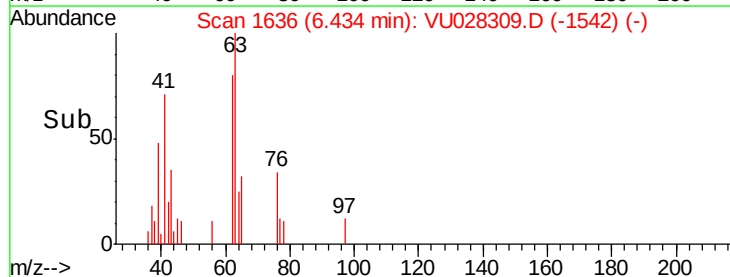
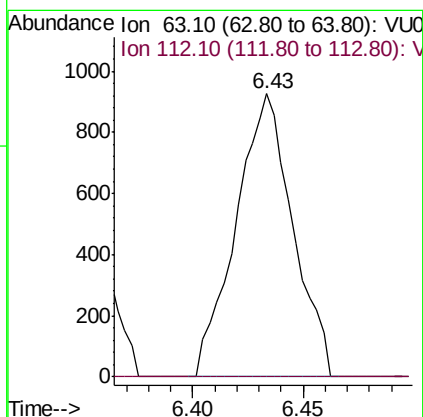
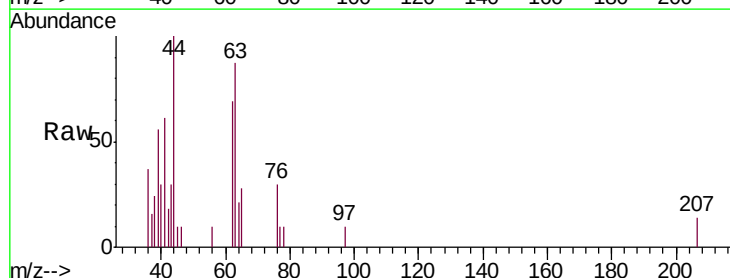
Instrument :
MSVOA_U
ClientSampleId :
E3YA9DL

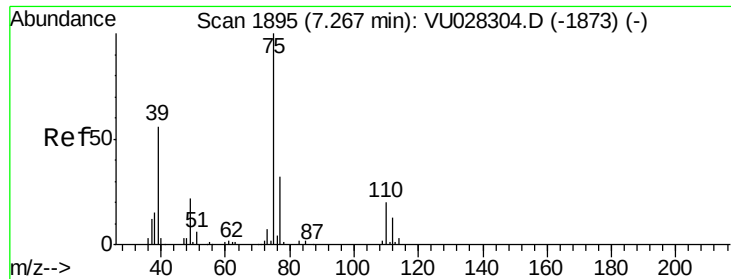
Tgt Ion: 83 Resp: 15763
Ion Ratio Lower Upper
83 100
55 0.0 73.2 109.8#
98 0.9 33.4 50.2#



#37
1,2-Dichloropropane
Concen: 0.111 ug/L
RT: 6.43 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VU028309.D
Acq: 21 Nov 2018 11:05

Tgt Ion: 63 Resp: 1653
Ion Ratio Lower Upper
63 100
112 0.0 2.2 3.2#

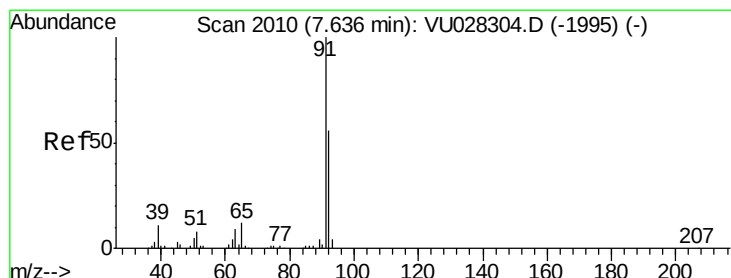
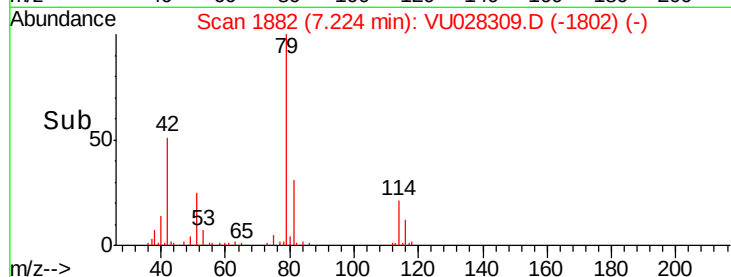
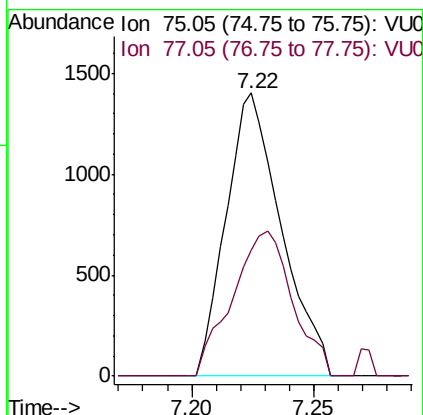
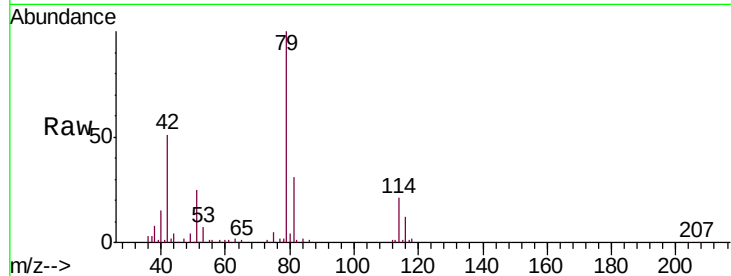




#39
 cis-1,3-Dichloropropene
 Concen: 0.116 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.04 min
 Lab File: VU028309.D
 Acq: 21 Nov 2018 11:05

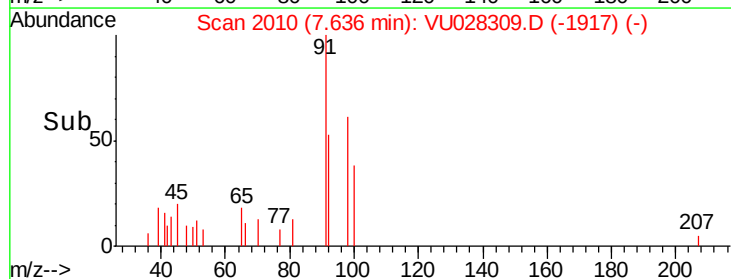
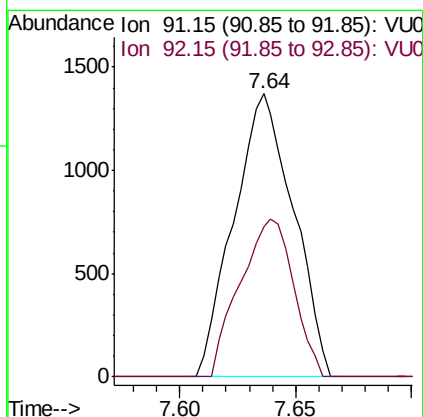
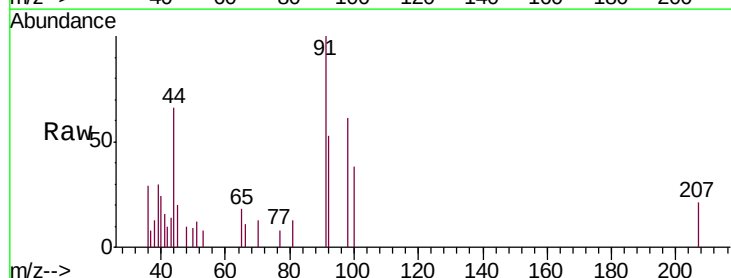
Instrument :
 MSVOA_U
 ClientSampleId :
 E3YA9DL

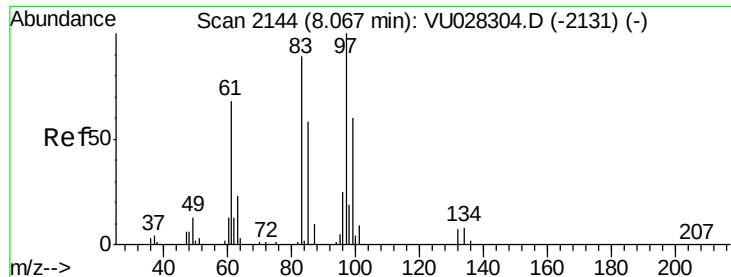
Tgt Ion: 75 Resp: 2206
 Ion Ratio Lower Upper
 75 100
 77 44.4 21.7 40.3#



#42
 Toluene
 Concen: 0.046 ug/L
 RT: 7.64 min Scan# 2010
 Delta R.T. -0.00 min
 Lab File: VU028309.D
 Acq: 21 Nov 2018 11:05

Tgt Ion: 91 Resp: 2456
 Ion Ratio Lower Upper
 91 100
 92 53.0 39.0 72.4

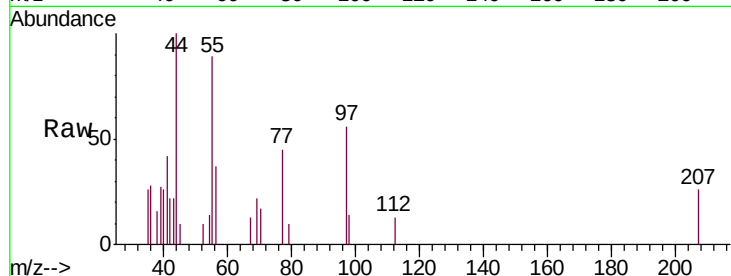




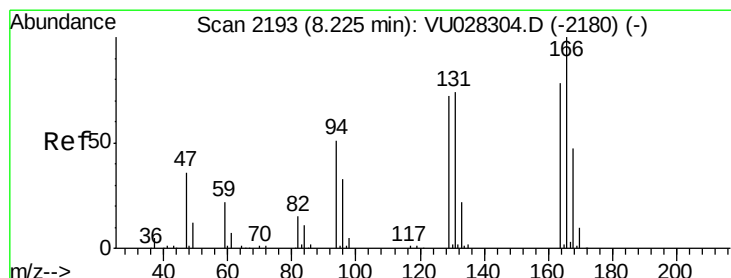
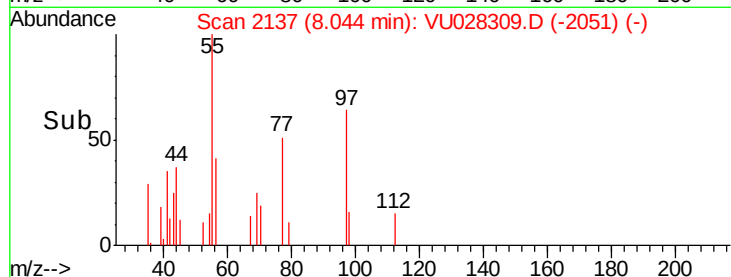
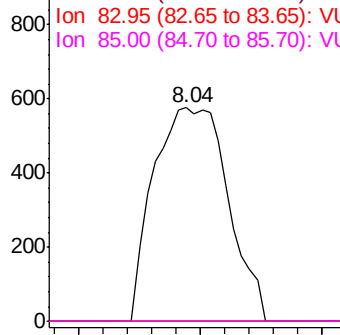
#45
 1,1,2-Trichloroethane
 Concen: 0.135 ug/L
 RT: 8.04 min Scan# 2137
 Delta R.T. -0.02 min
 Lab File: VU028309.D
 Acq: 21 Nov 2018 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YA9DL

Tgt Ion: 97 Resp: 1222
 Ion Ratio Lower Upper
 97 100
 99 0.0 44.2 82.0#
 83 0.0 63.3 117.5#
 85 0.0 41.9 77.9#

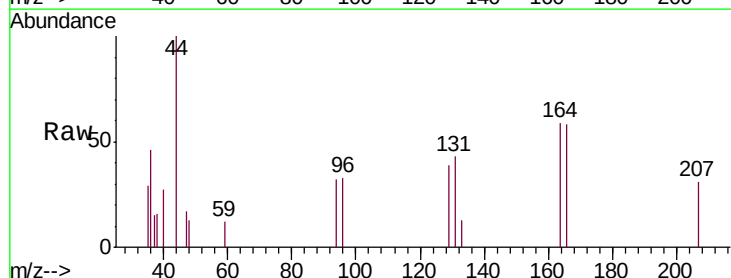


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

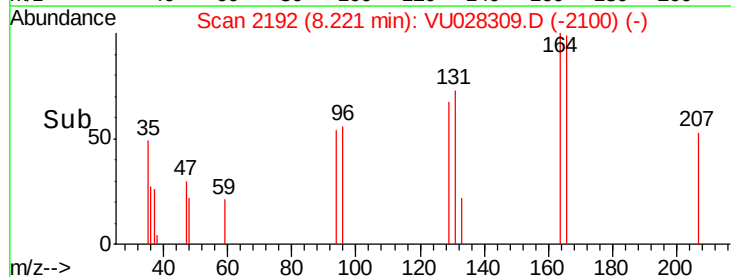
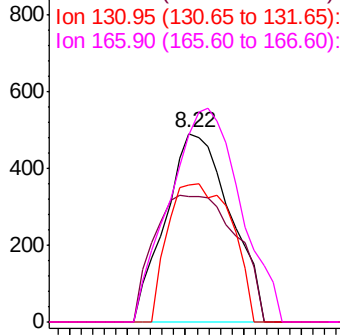


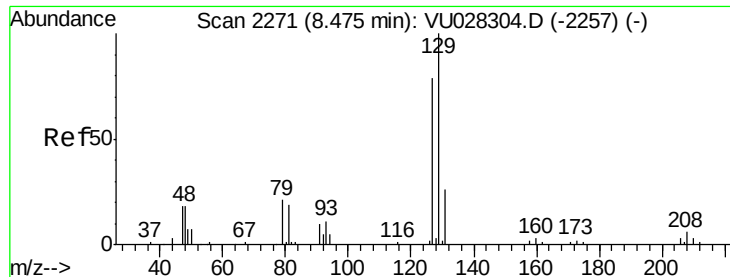
#47
 Tetrachloroethene
 Concen: 0.085 ug/L
 RT: 8.22 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VU028309.D
 Acq: 21 Nov 2018 11:05

Tgt Ion: 164 Resp: 760
 Ion Ratio Lower Upper
 164 100
 129 66.7 67.6 125.6#
 131 72.9 66.3 123.1
 166 99.0 89.2 165.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V





#49

Dibromochloromethane

Concen: 0.082 ug/L

RT: 8.65 min Scan# 2325

Delta R.T. 0.17 min

Lab File: VU028309.D

Acq: 21 Nov 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

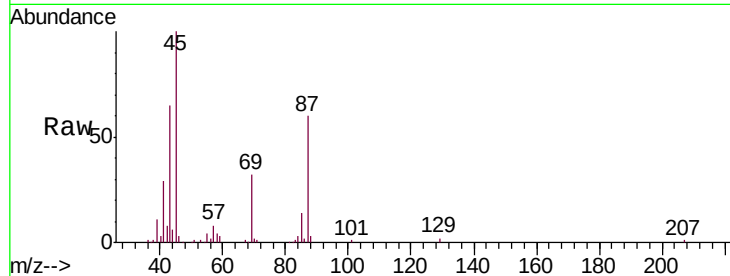
E3YA9DL

Tgt Ion:129 Resp: 747

Ion Ratio Lower Upper

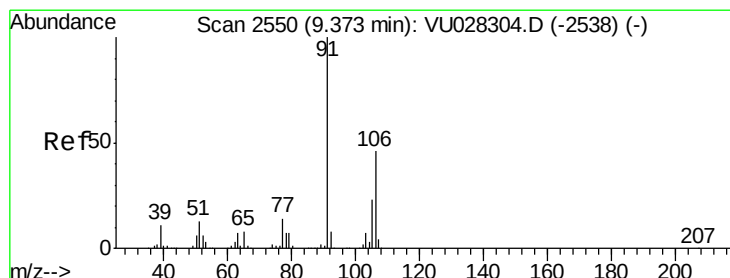
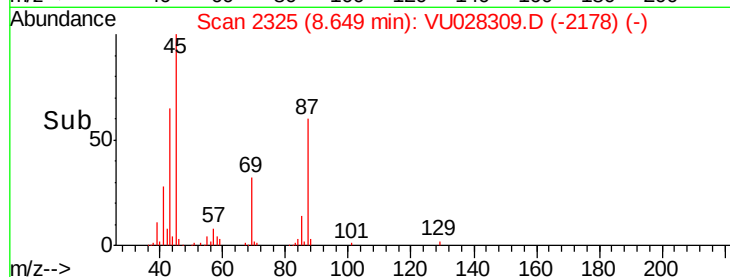
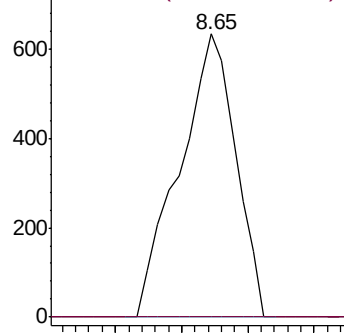
129 100

127 0.0 54.7 101.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#53

m,p-xylene

Concen: 0.070 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.01 min

Lab File: VU028309.D

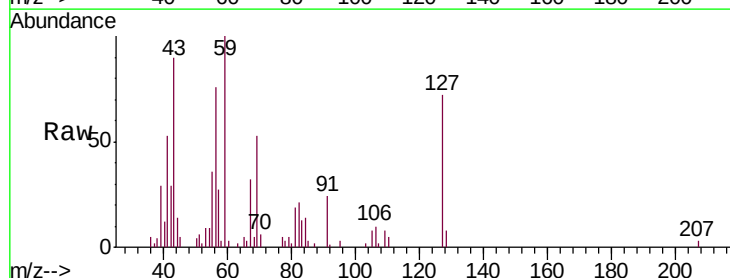
Acq: 21 Nov 2018 11:05

Tgt Ion:106 Resp: 1390

Ion Ratio Lower Upper

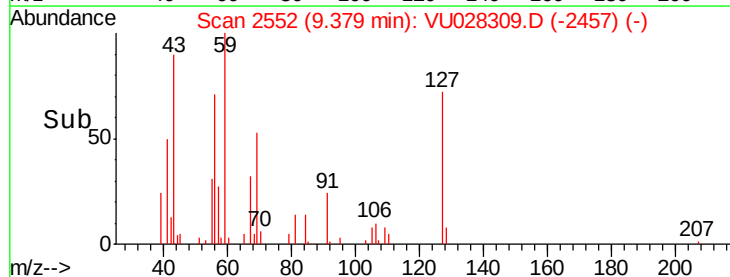
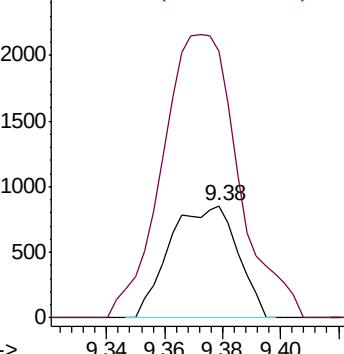
106 100

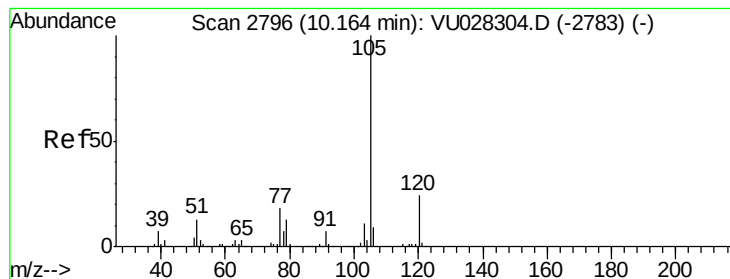
91 238.3 150.6 279.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 5.457 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028309.D

Acq: 21 Nov 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

E3YA9DL

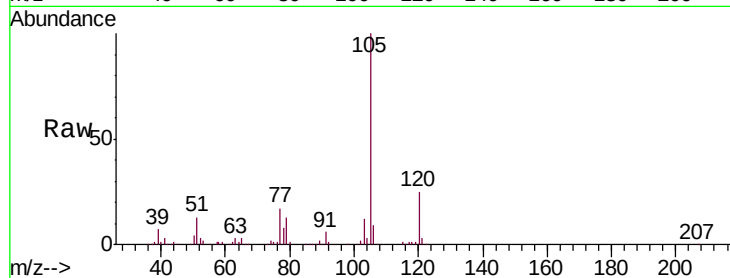
Tgt Ion: 105 Resp: 289595

Ion Ratio Lower Upper

105 100

120 25.2 20.3 30.5

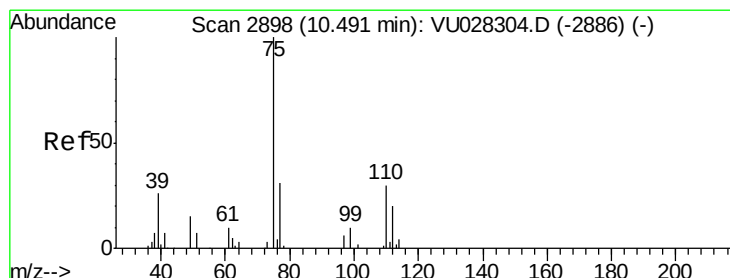
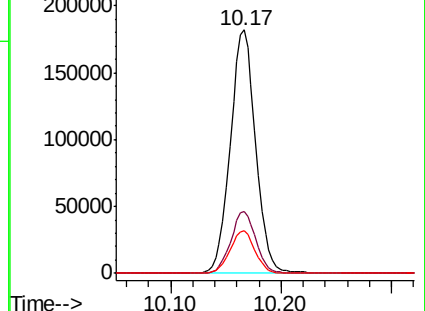
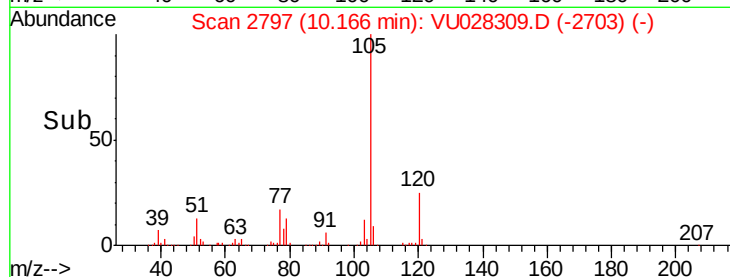
77 17.4 14.5 21.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#59

1,2,3-Trichloropropane

Concen: 0.414 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. -0.33 min

Lab File: VU028309.D

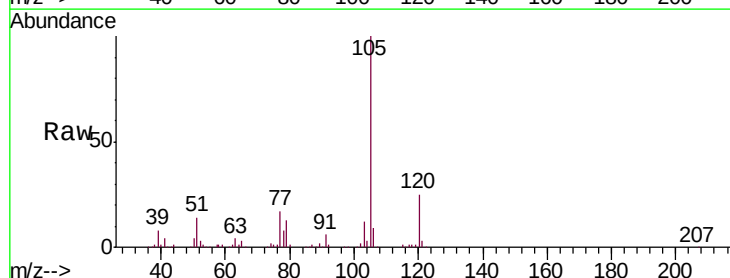
Acq: 21 Nov 2018 11:05

Tgt Ion: 75 Resp: 3577

Ion Ratio Lower Upper

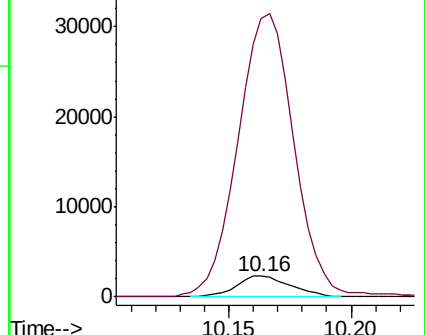
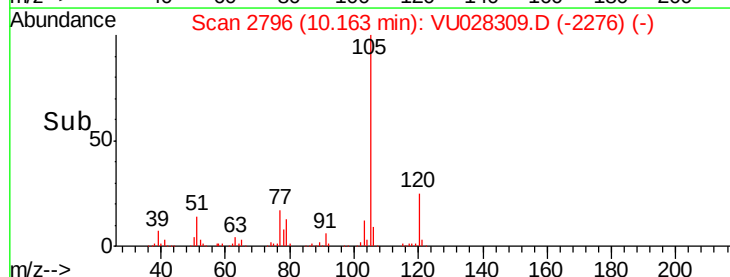
75 100

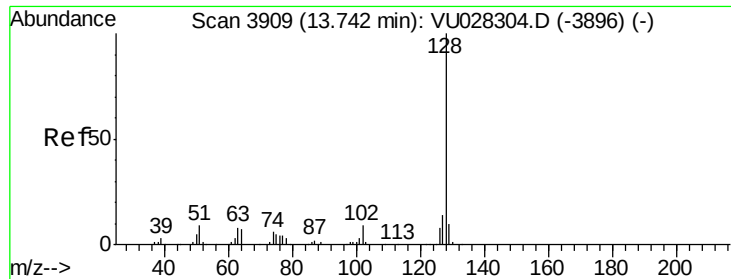
77 1408.0 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V





#69

Naphthalene

Concen: 0.051 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU028309.D

Acq: 21 Nov 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

E3YA9DL

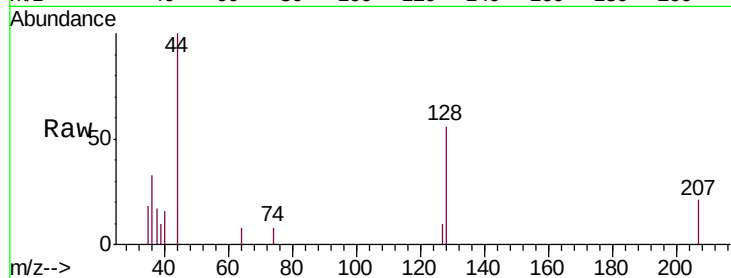
Tgt Ion:128 Resp: 1272

Ion Ratio Lower Upper

128 100

129 0.0 8.6 12.8#

127 15.4 10.7 16.1



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

