

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091618\
 Data File : VU026802.D
 Acq On : 16 Sep 2018 02:22
 Operator : MD/SY
 Sample : J4918-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0KX9

Quant Time: Sep 17 07:15:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091618WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 07:09:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	121104	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	98809	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	40277	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	44013	5.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.20%
7) Chloroethane-d5	1.68	69	37754	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.20%
11) 1,1-Dichloroethene-d2	2.28	63	68501	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.40%
20) 2-Butanone-d5	4.21	46	101116	49.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.62%
24) Chloroform-d	4.65	84	74764	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.31	65	39493	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.34	84	153535	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.20%
36) 1,2-Dichloropropane-d6	6.33	67	48586	5.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.40%
41) Toluene-d8	7.57	98	119770	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.85	79	13918	4.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.40%
46) 2-Hexanone-d5	8.32	63	61277	47.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.18%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	35633	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	42378	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	753	0.079 ug/L #	18
12) 1,1-Dichloroethene	2.29	96	15332	1.699 ug/L #	51
13) Acetone	2.34	43	2700	1.496 ug/L	89
19) 1,1-Dichloroethane	3.44	63	1229	0.066 ug/L #	87
22) cis-1,2-Dichloroethene	4.23	96	18540	1.730 ug/L	99
25) Chloroform	4.67	83	1438	0.081 ug/L	96
29) 1,1,1-Trichloroethane	4.91	97	7740	0.544 ug/L	98
31) Carbon tetrachloride	4.92	117	972	0.078 ug/L	99
34) Trichloroethene	6.18	95	247342	26.244 ug/L	99
35) Methylcyclohexane	6.33	83	11388	0.743 ug/L #	16
37) 1,2-Dichloropropane	6.33	63	5397	0.550 ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	1098	0.083 ug/L #	59
42) Toluene	7.64	91	1324	0.035 ug/L	94
47) Tetrachloroethene	8.22	164	640	0.078 ug/L #	84
48) 2-Hexanone	8.37	43	1572	0.384 ug/L #	58
49) Dibromochloromethane	8.22	129	507	0.062 ug/L #	10
59) 1,2,3-Trichloropropane	11.49	75	4887	0.846 ug/L	96

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 17 07:09:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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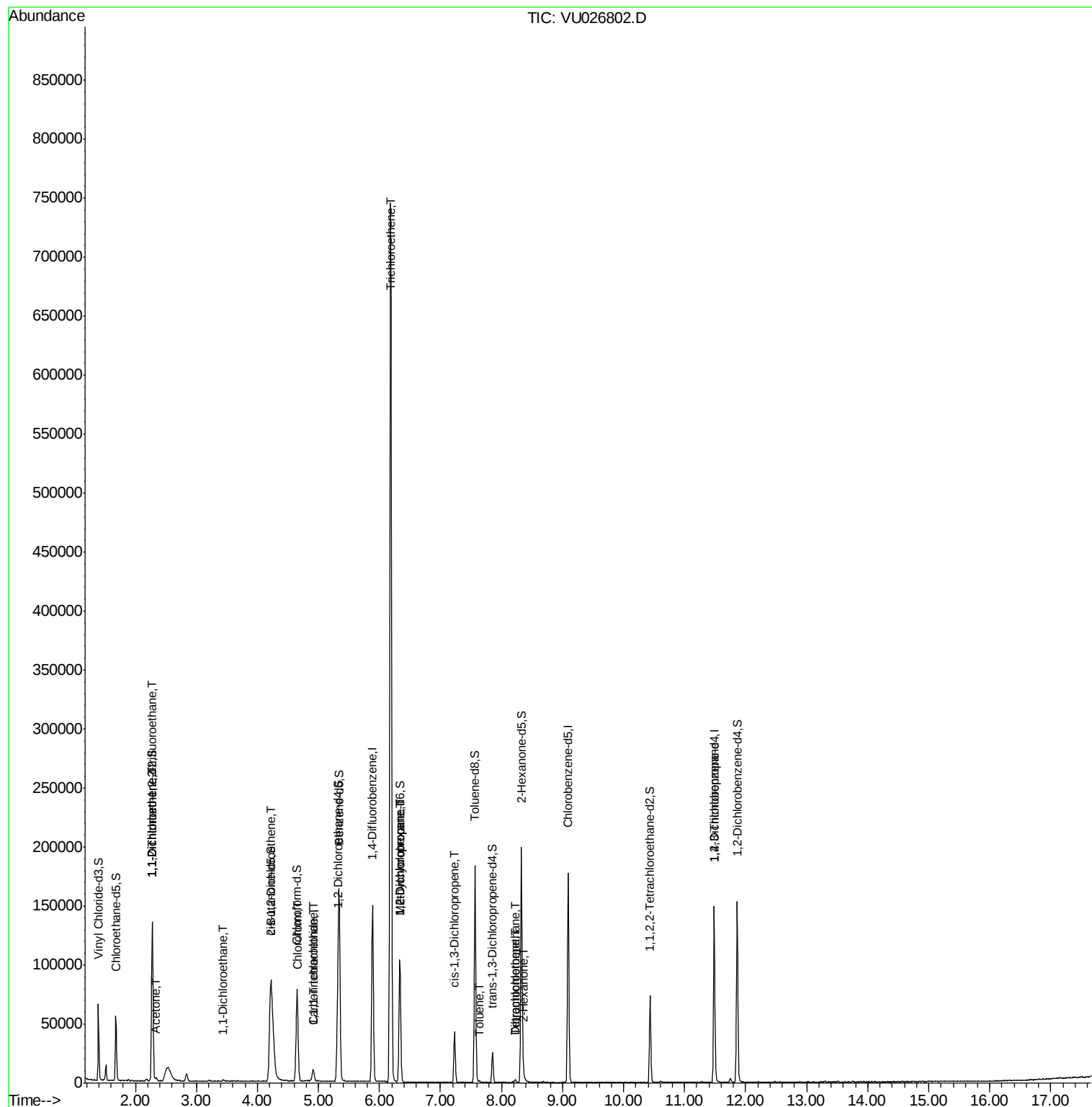
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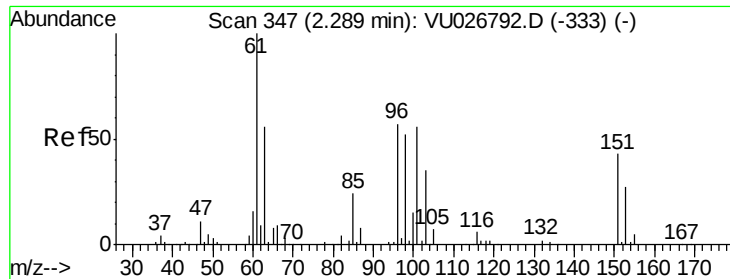
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.079 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU026802.D

Acq: 16 Sep 2018 02:22

Instrument :

MSVOA_U

ClientSampleId :

C0KX9

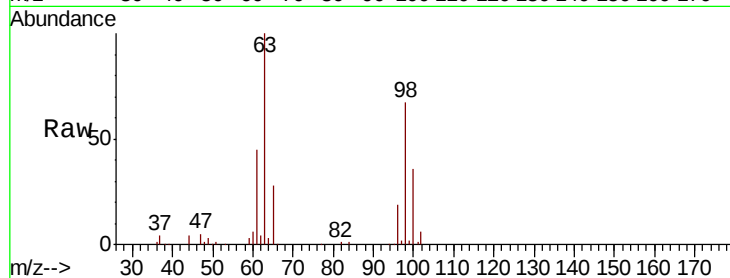
Tgt Ion: 101 Resp: 753

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

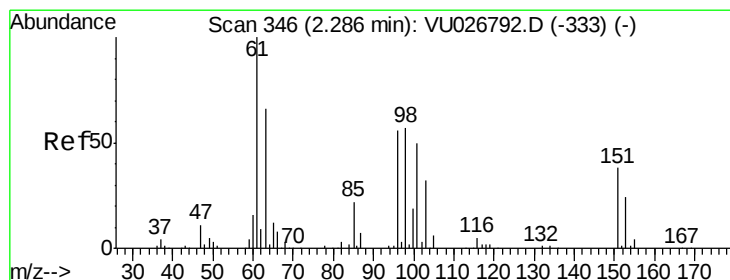
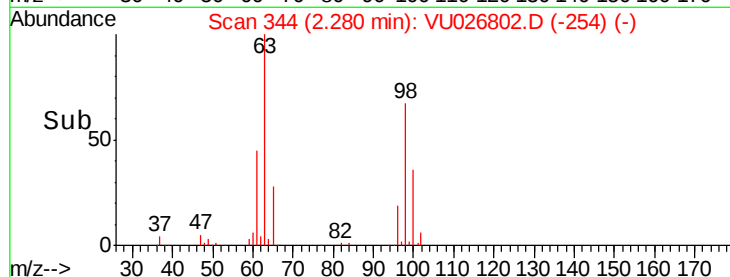
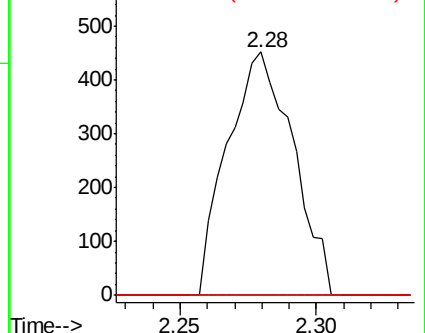
151 0.0 63.3 94.9#



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



#12

1,1-Dichloroethene

Concen: 1.699 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026802.D

Acq: 16 Sep 2018 02:22

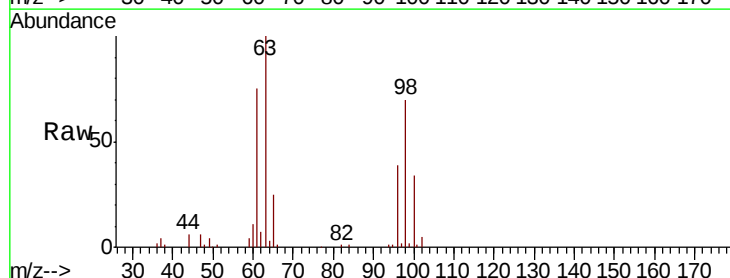
Tgt Ion: 96 Resp: 15332

Ion Ratio Lower Upper

96 100

61 192.3 126.6 235.2

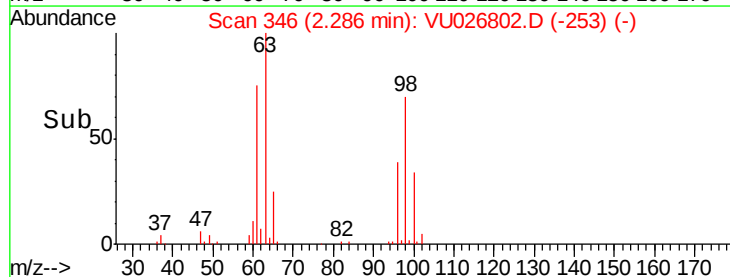
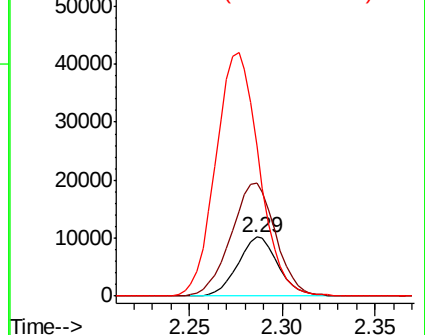
63 255.2 91.3 169.5#

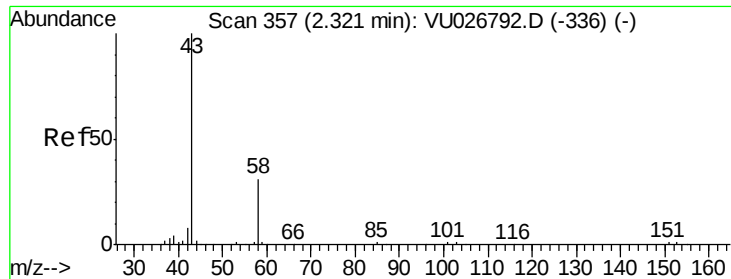


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.496 ug/L

RT: 2.34 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU026802.D

Acq: 16 Sep 2018 02:22

Instrument :

MSVOA_U

ClientSampleId :

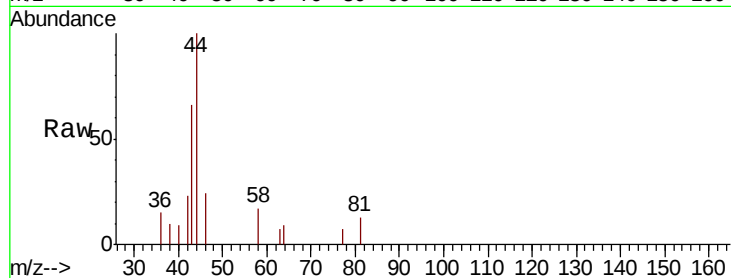
C0KX9

Tgt Ion: 43 Resp: 2700

Ion Ratio Lower Upper

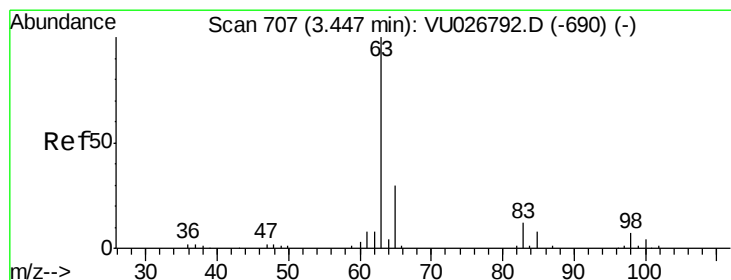
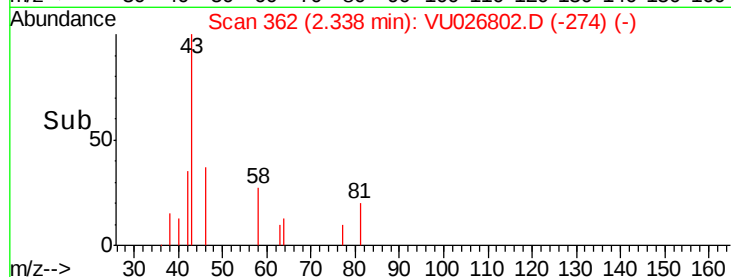
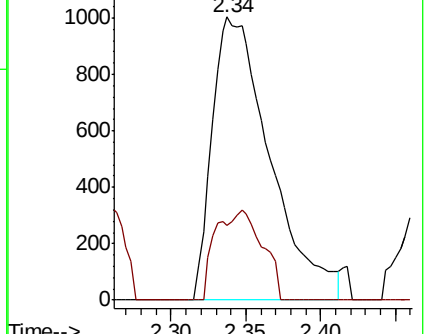
43 100

58 25.5 0.0 63.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#19

1,1-Dichloroethane

Concen: 0.066 ug/L

RT: 3.44 min Scan# 705

Delta R.T. -0.01 min

Lab File: VU026802.D

Acq: 16 Sep 2018 02:22

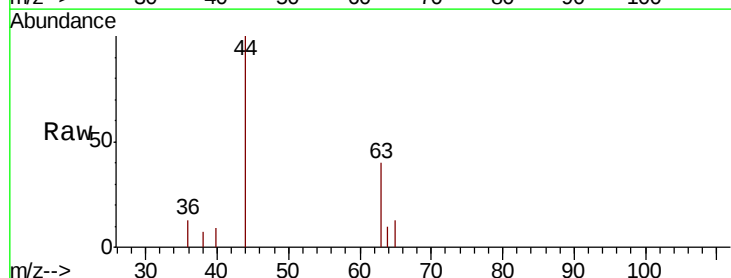
Tgt Ion: 63 Resp: 1229

Ion Ratio Lower Upper

63 100

65 33.7 21.7 40.3

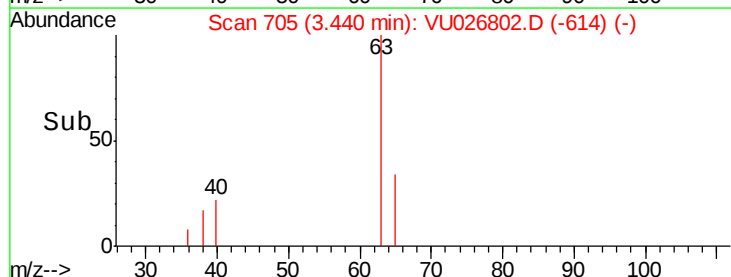
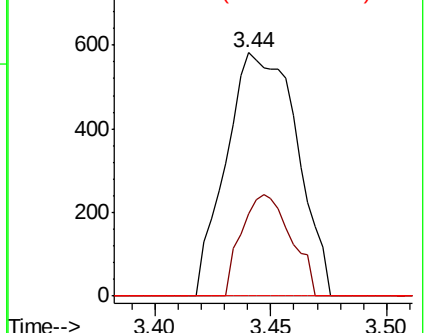
83 0.0 9.0 16.6#

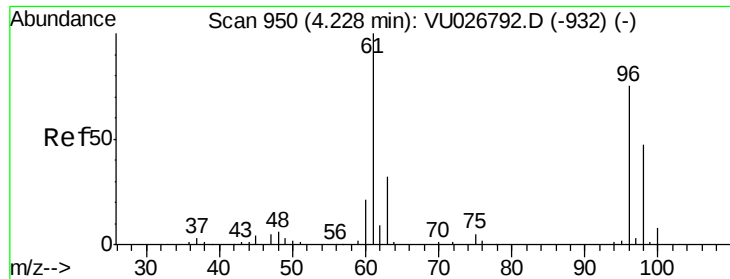


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



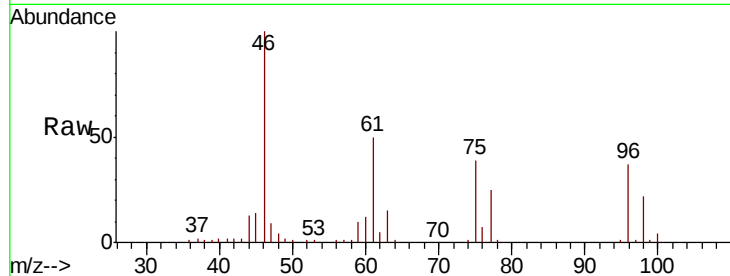


#22

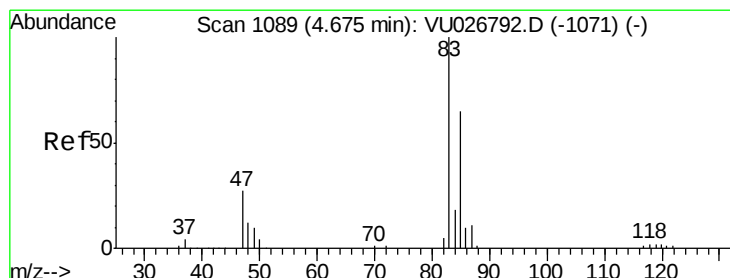
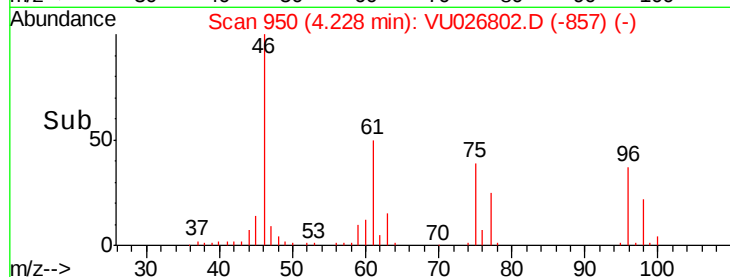
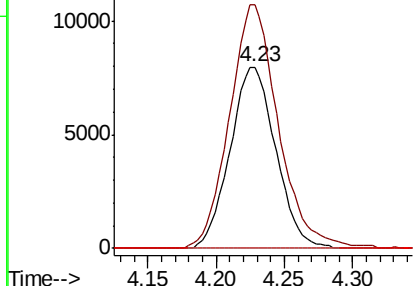
cis-1,2-Dichloroethene
 Concen: 1.730 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU026802.D
 Acq: 16 Sep 2018 02:22

Instrument :
 MSVOA_U
 ClientSampleId :
 C0KX9

Tgt Ion: 96 Resp: 18540
 Ion Ratio Lower Upper
 96 100
 61 134.2 94.4 175.2
 68 0.0 0.0 0.0



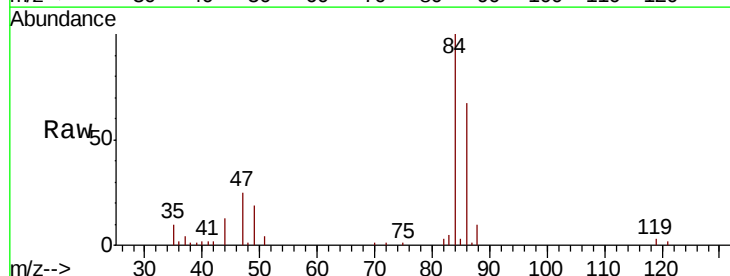
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



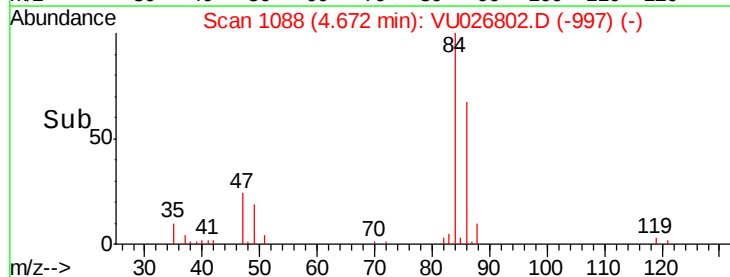
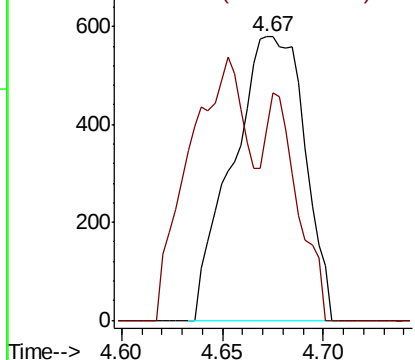
#25

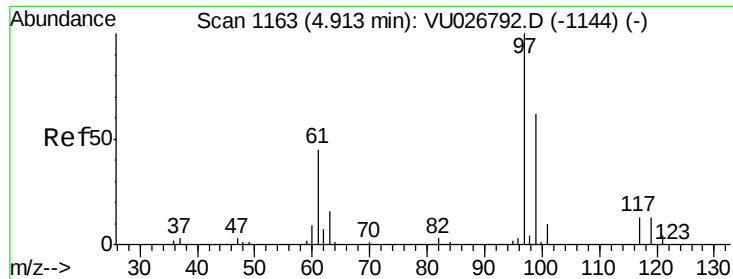
Chloroform
 Concen: 0.081 ug/L
 RT: 4.67 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VU026802.D
 Acq: 16 Sep 2018 02:22

Tgt Ion: 83 Resp: 1438
 Ion Ratio Lower Upper
 83 100
 85 67.4 44.8 83.2



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

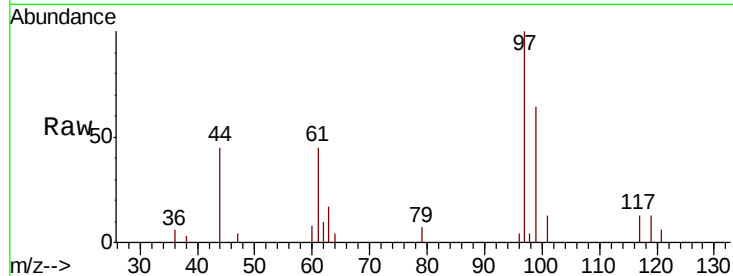




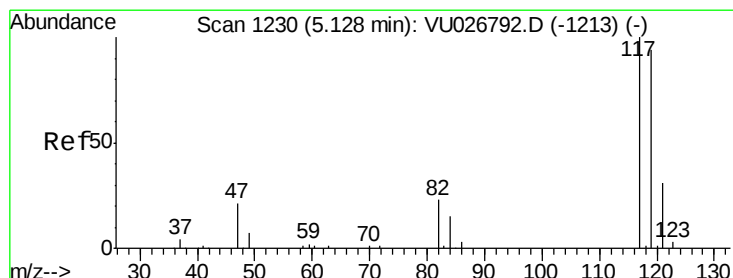
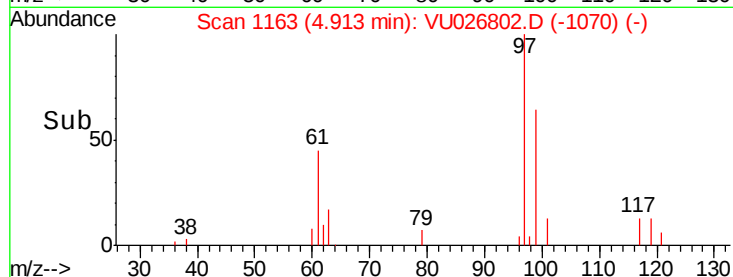
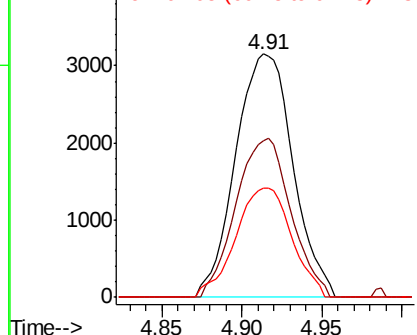
#29
 1,1,1-Trichloroethane
 Concen: 0.544 ug/L
 RT: 4.91 min Scan# 1163
 Delta R.T. 0.00 min
 Lab File: VU026802.D
 Acq: 16 Sep 2018 02:22

Instrument :
 MSVOA_U
 ClientSampleId :
 C0KX9

Tgt Ion: 97 Resp: 7740
 Ion Ratio Lower Upper
 97 100
 99 62.8 51.5 77.3
 61 43.9 36.6 54.8

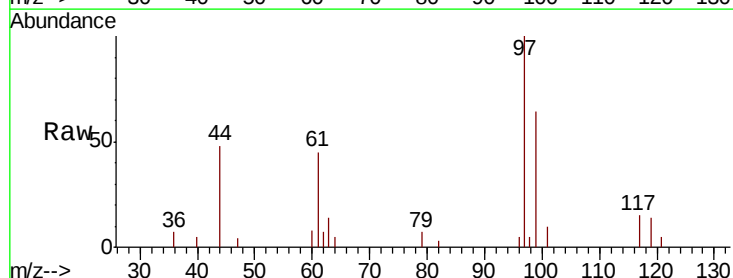


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

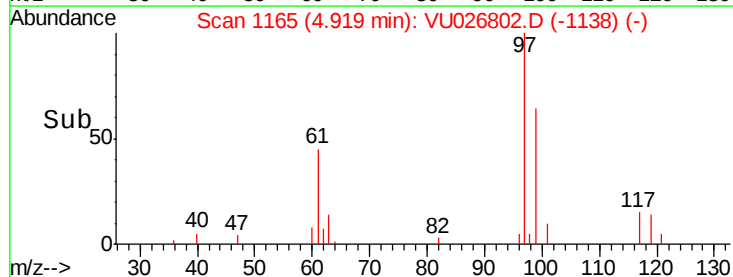
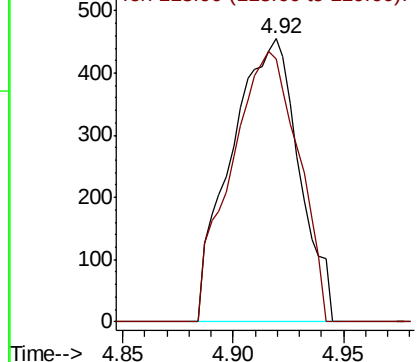


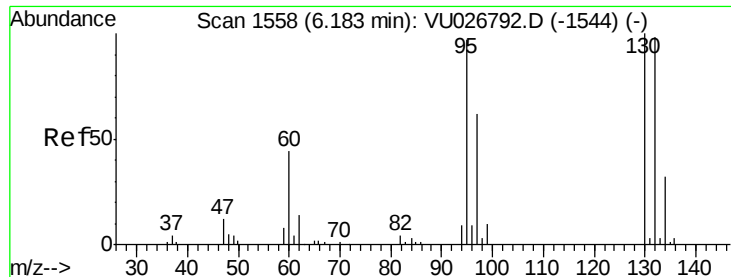
#31
 Carbon tetrachloride
 Concen: 0.078 ug/L
 RT: 4.92 min Scan# 1165
 Delta R.T. -0.21 min
 Lab File: VU026802.D
 Acq: 16 Sep 2018 02:22

Tgt Ion: 117 Resp: 972
 Ion Ratio Lower Upper
 117 100
 119 94.7 76.9 115.3



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





#34

Trichloroethene

Concen: 26.244 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU026802.D

Acq: 16 Sep 2018 02:22

Instrument :

MSVOA_U

ClientSampleId :

C0KX9

Tgt Ion: 95 Resp: 247342

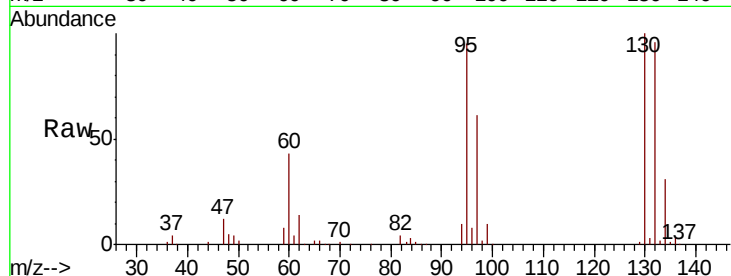
Ion Ratio Lower Upper

95 100

97 63.7 45.1 83.9

132 101.0 72.0 133.8

130 104.7 73.1 135.7

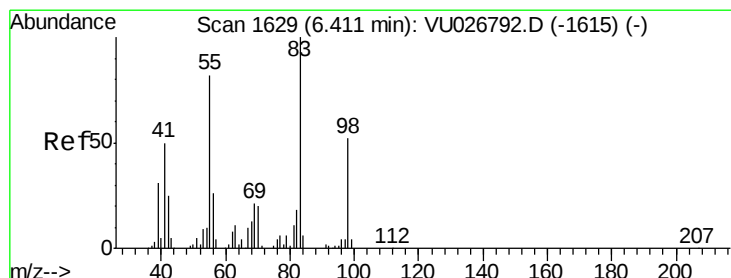
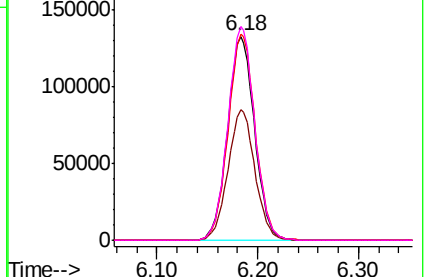
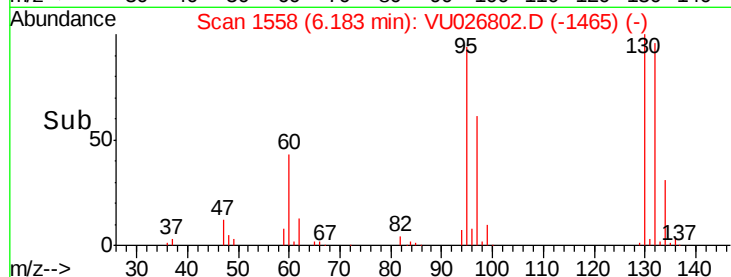


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.743 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU026802.D

Acq: 16 Sep 2018 02:22

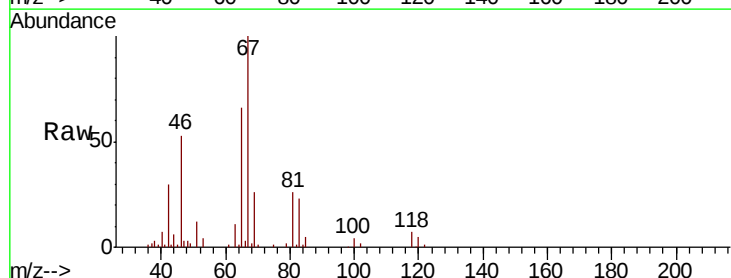
Tgt Ion: 83 Resp: 11388

Ion Ratio Lower Upper

83 100

55 0.0 64.9 97.3#

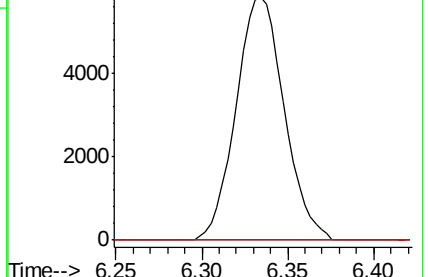
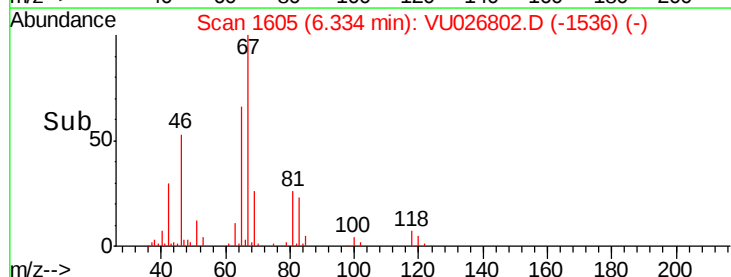
98 0.0 39.3 58.9#

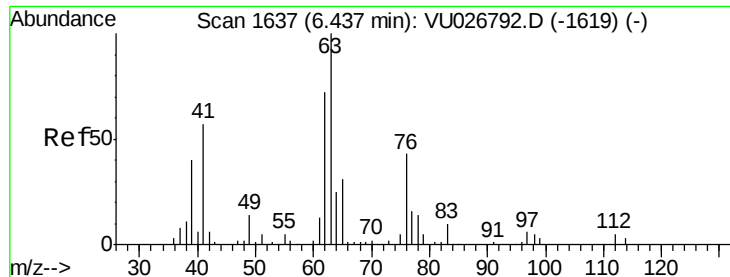


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.550 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU026802.D

Acq: 16 Sep 2018 02:22

Instrument :

MSVOA_U

ClientSampleId :

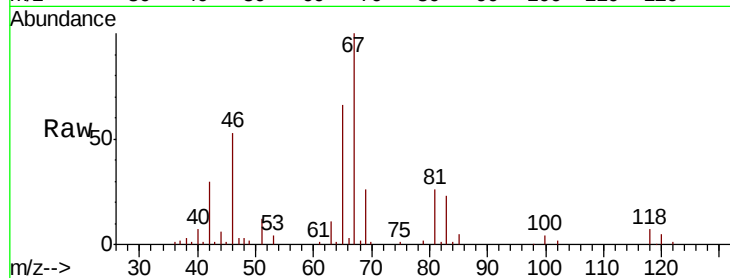
C0KX9

Tgt Ion: 63 Resp: 5397

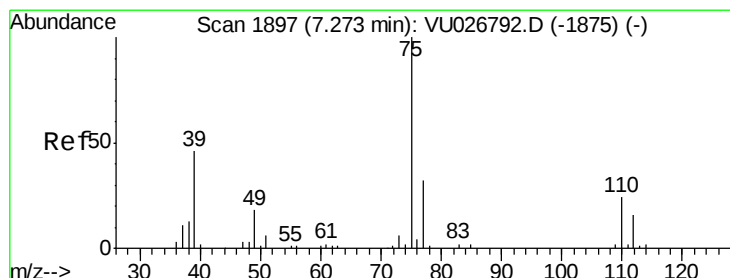
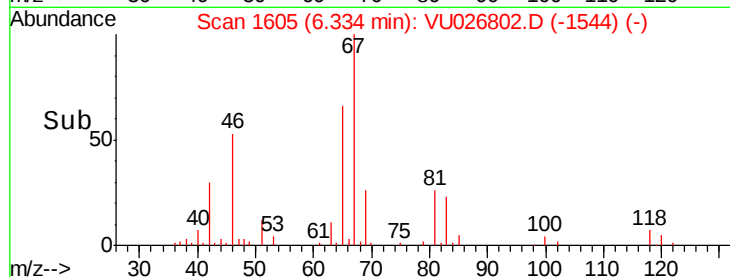
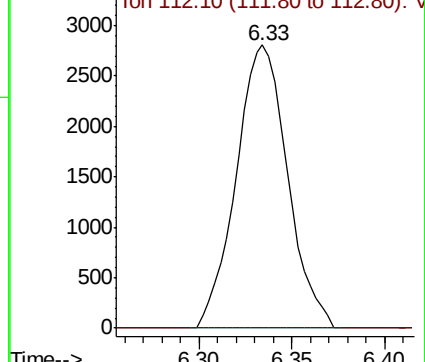
Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU026802.D (-1544) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.23 min Scan# 1883

Delta R.T. -0.04 min

Lab File: VU026802.D

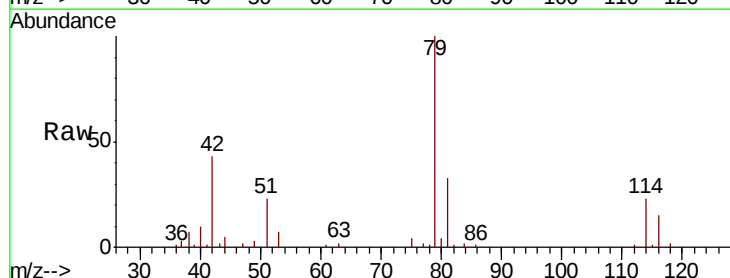
Acq: 16 Sep 2018 02:22

Tgt Ion: 75 Resp: 1098

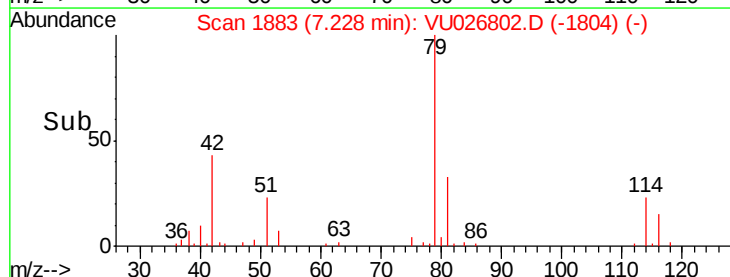
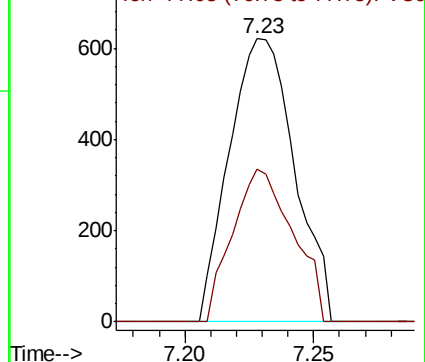
Ion Ratio Lower Upper

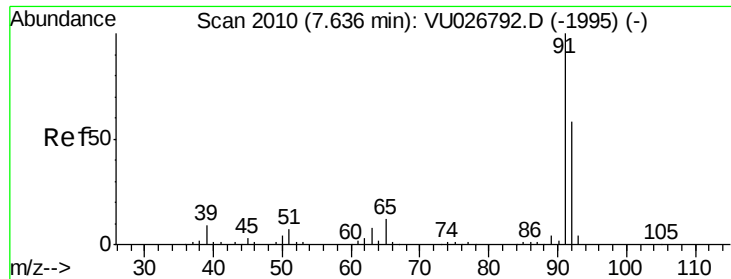
75 100

77 53.8 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VU026802.D (-1804) (-)





#42

Toluene

Concen: 0.035 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026802.D

Acq: 16 Sep 2018 02:22

Instrument :

MSVOA_U

ClientSampleId :

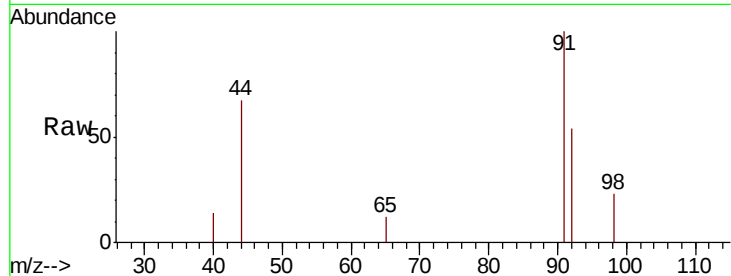
C0KX9

Tgt Ion: 91 Resp: 1324

Ion Ratio Lower Upper

91 100

92 54.3 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VU026792.D (-1995) (-)

Ion 92.15 (91.85 to 92.85): VU026792.D (-1995) (-)

7.64

800

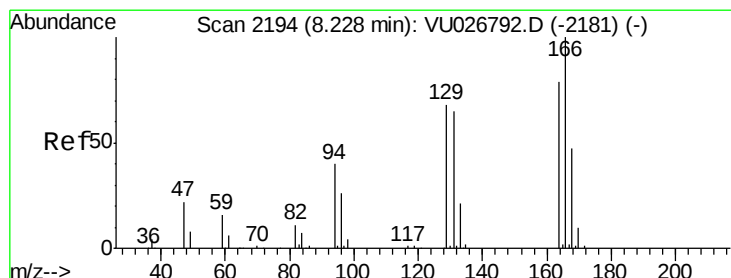
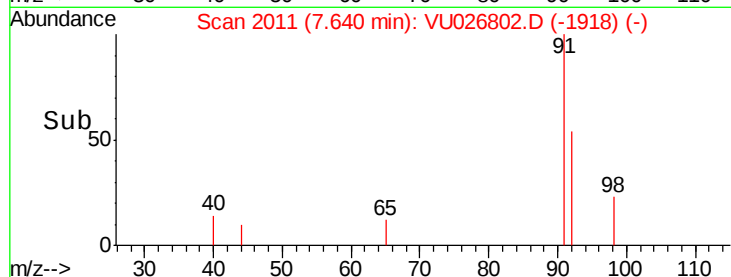
600

400

200

0

Time-->



#47

Tetrachloroethene

Concen: 0.078 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU026802.D

Acq: 16 Sep 2018 02:22

Tgt Ion: 164 Resp: 640

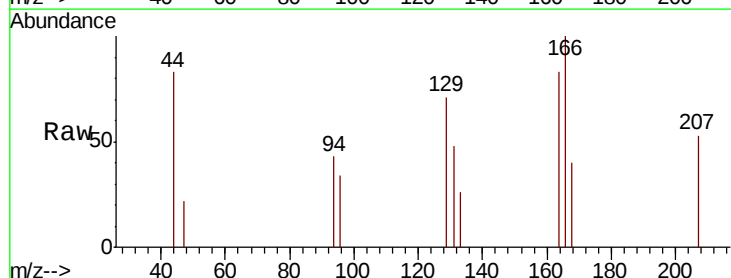
Ion Ratio Lower Upper

164 100

129 84.7 64.8 120.3

131 57.0 61.4 114.0#

166 120.0 92.6 172.0



Abundance Ion 163.90 (163.60 to 164.60): VU026792.D (-2181) (-)

Ion 128.95 (128.65 to 129.65): VU026792.D (-2181) (-)

Ion 130.95 (130.65 to 131.65): VU026792.D (-2181) (-)

Ion 165.90 (165.60 to 166.60): VU026792.D (-2181) (-)

800

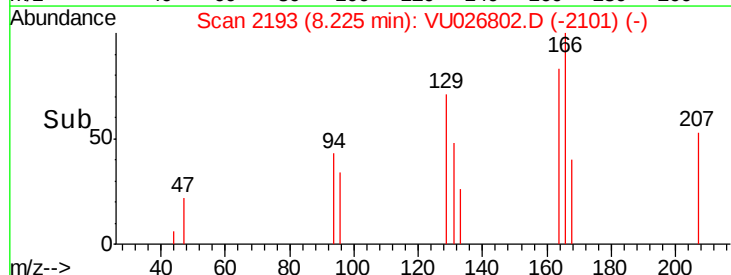
600

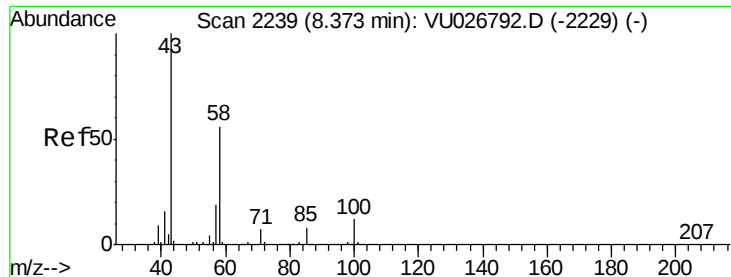
400

200

0

Time-->

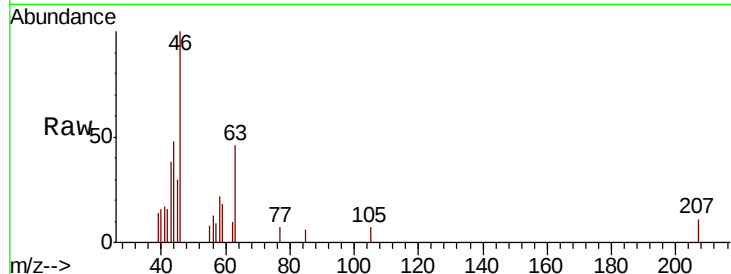




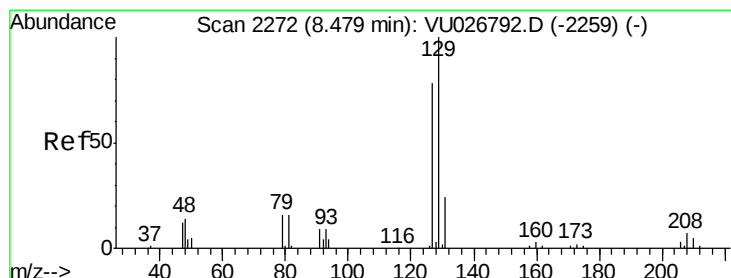
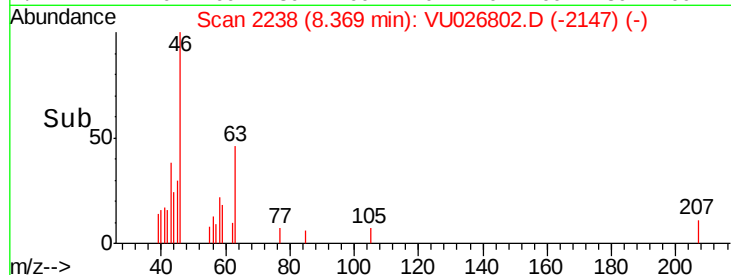
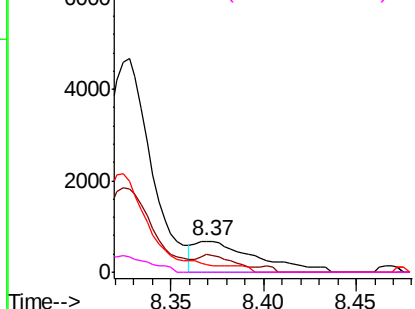
#48
2-Hexanone
Concen: 0.384 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. -0.01 min
Lab File: VU026802.D
Acq: 16 Sep 2018 02:22

Instrument :
MSVOA_U
ClientSampleId :
C0KX9

Tgt Ion: 43 Resp: 1572
Ion Ratio Lower Upper
43 100
58 22.6 43.7 65.5#
57 0.0 15.2 22.8#
100 0.0 10.1 15.1#

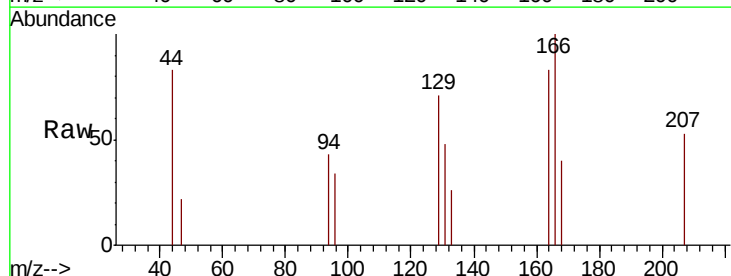


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

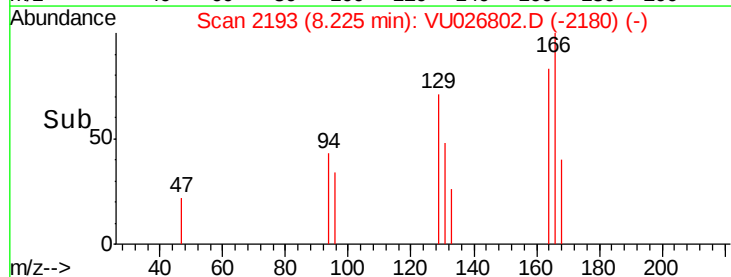
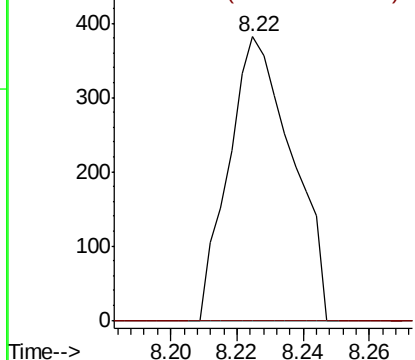


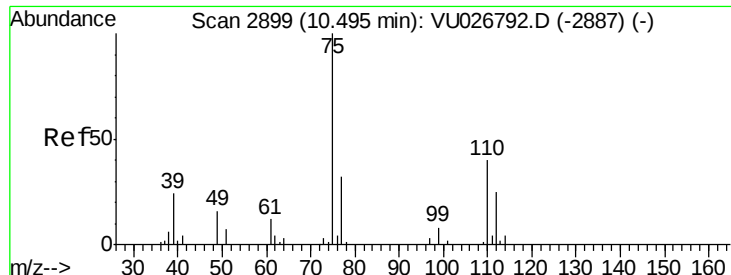
#49
Dibromochloromethane
Concen: 0.062 ug/L
RT: 8.22 min Scan# 2193
Delta R.T. -0.26 min
Lab File: VU026802.D
Acq: 16 Sep 2018 02:22

Tgt Ion: 129 Resp: 507
Ion Ratio Lower Upper
129 100
127 0.0 55.4 103.0#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#59
 1,2,3-Trichloropropane
 Concen: 0.846 ug/L
 RT: 11.49 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU026802.D
 Acq: 16 Sep 2018 02:22

Instrument :
 MSVOA_U
 ClientSampleId :
 C0KX9

Tgt Ion: 75 Resp: 4887
 Ion Ratio Lower Upper
 75 100
 77 34.7 25.9 38.9

