

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111618\
 Data File : VU028209.D
 Acq On : 17 Nov 2018 02:06
 Operator : MD/SY
 Sample : J5986-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 03:51:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 17 03:46:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	155536	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	147590	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	64352	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	68301	5.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.80%
7) Chloroethane-d5	1.68	69	50206	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.28	63	91772	3.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.20%
20) 2-Butanone-d5	4.20	46	219008	58.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.02%
24) Chloroform-d	4.65	84	105607	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.31	65	63316	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.60%
32) Benzene-d6	5.34	84	214962	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.33	67	79783	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.20%
41) Toluene-d8	7.57	98	186157	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	7.85	79	24250	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.31	63	158951	51.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.96%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	56833	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	64050	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

					Ovalue
3) Chloromethane	1.40	50	6212	0.354 ug/L #	48
5) Vinyl chloride	1.40	62	875223	52.535 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	762	0.075 ug/L #	20
12) 1,1-Dichloroethene	2.29	96	2828	0.273 ug/L #	1
13) Acetone	2.33	43	2420	0.960 ug/L	47
17) Methyl tert-butyl Ether	3.01	73	44152	1.527 ug/L #	89
18) trans-1,2-Dichloroethene	2.98	96	10500	0.955 ug/L	98
19) 1,1-Dichloroethane	3.45	63	12841	0.555 ug/L	94
22) cis-1,2-Dichloroethene	4.23	96	2361753	194.822 ug/L	95
25) Chloroform	4.68	83	2941	0.142 ug/L	99
30) Cyclohexane	4.99	56	2245	0.096 ug/L #	75
33) Benzene	5.40	78	13040	0.262 ug/L	100
34) Trichloroethene	6.20	95	1165	0.095 ug/L	84
35) Methylcyclohexane	6.33	83	15494	0.733 ug/L #	17
37) 1,2-Dichloropropane	6.34	63	7973	0.580 ug/L #	92
39) cis-1,3-Dichloropropene	7.22	75	1610	0.087 ug/L #	38
49) Dibromochloromethane	8.22	129	471	0.053 ug/L #	11

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 17 03:46:40 2018
Response via : Initial Calibration

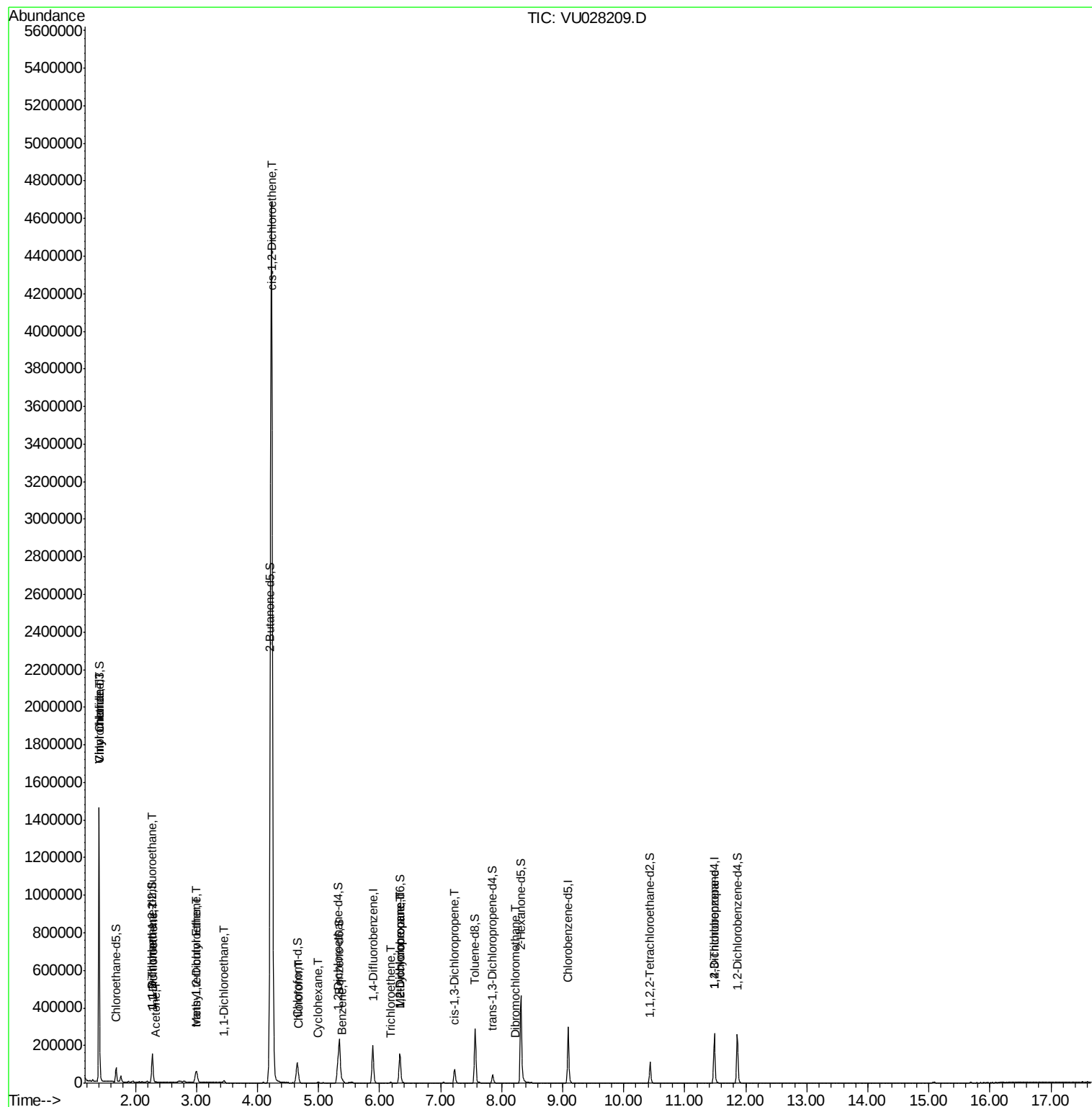
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	9890	1.281	ug/L	90

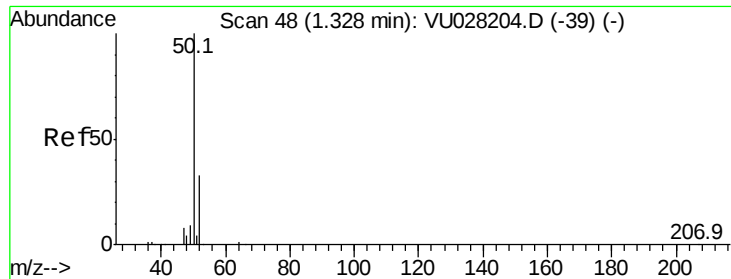
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 25.0mL/MSVOA U/WATER
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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 17 03:46:40 2018
Response via : Initial Calibration

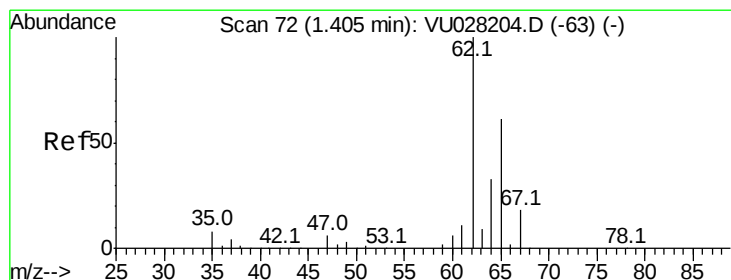
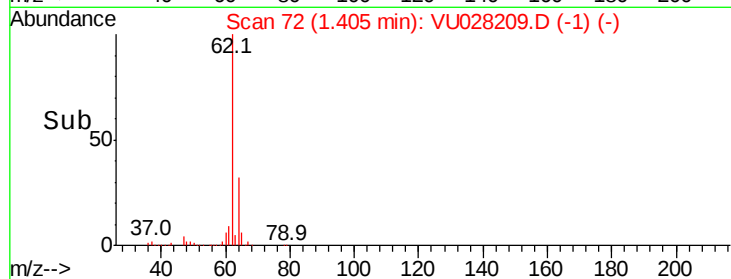
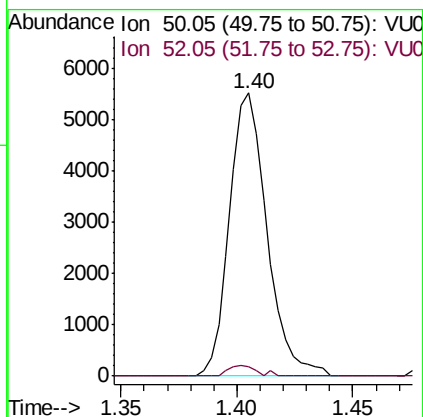
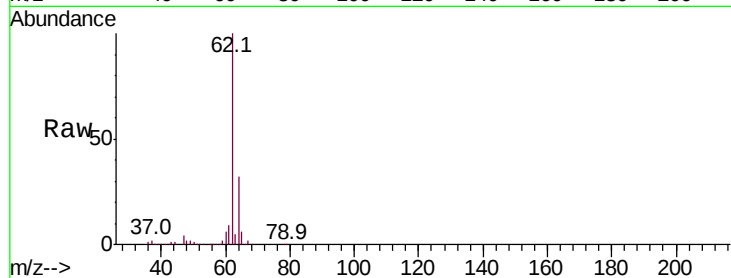




#3
Chloromethane
Concen: 0.354 ug/L
RT: 1.40 min Scan# 72
Delta R.T. 0.08 min
Lab File: VU028209.D
Acq: 17 Nov 2018 02:06

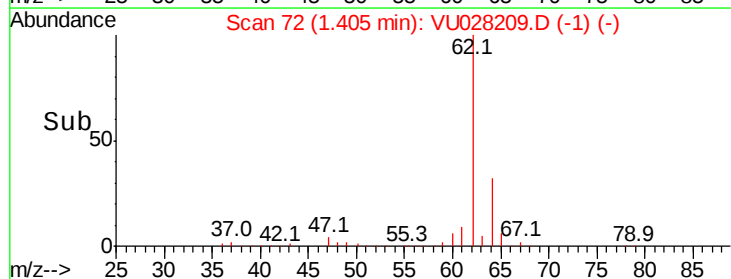
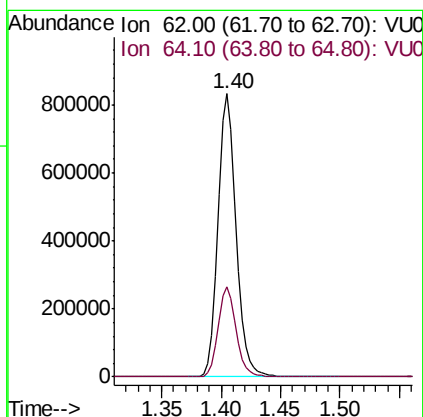
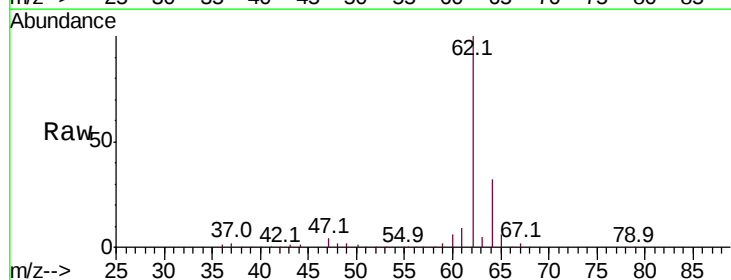
Instrument :
MSVOA_U
ClientSampleId :

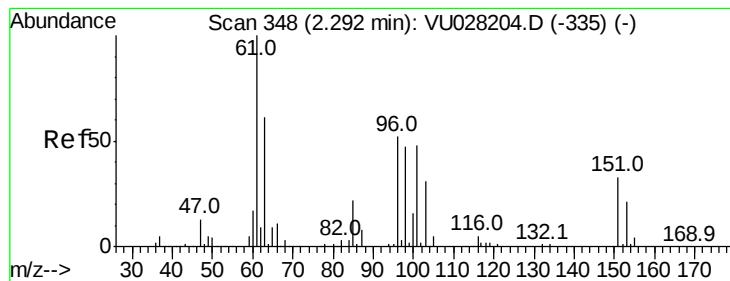
Tot Ion: 50 Resp: 6212
Ion Ratio Lower Upper
50 100
52 3.2 23.0 42.6#



#5
Vinyl chloride
Concen: 52.535 ug/L
RT: 1.40 min Scan# 72
Delta R.T. -0.00 min
Lab File: VU028209.D
Acq: 17 Nov 2018 02:06

Tgt Ion: 62 Resp: 875223
Ion Ratio Lower Upper
62 100
64 31.8 22.7 42.3





#10

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

Concen: 0.075 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028209.D

Acq: 17 Nov 2018 02:06

Instrument :

MSVOA_U

ClientSampled :

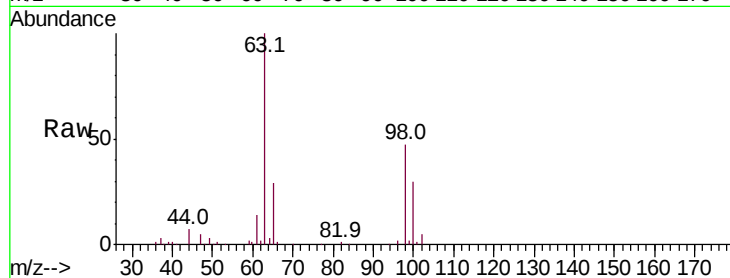
Tot Ion:101 Resp: 762

Ion Ratio Lower Upper

101 100

85 0.0 37.6 56.4#

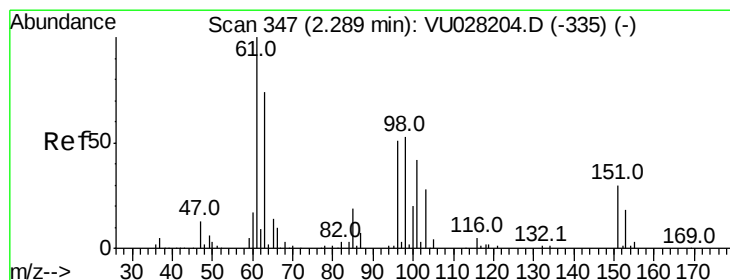
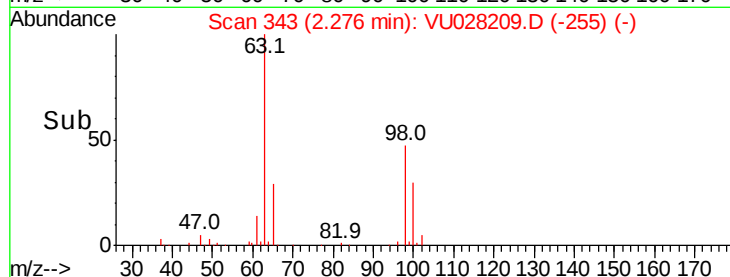
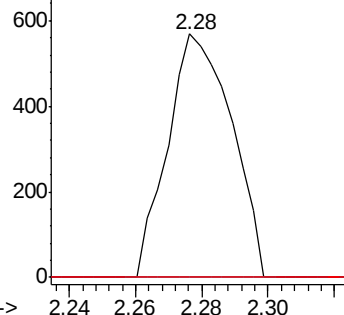
151 0.0 58.2 87.2#



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: 0.273 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU028209.D

Acq: 17 Nov 2018 02:06

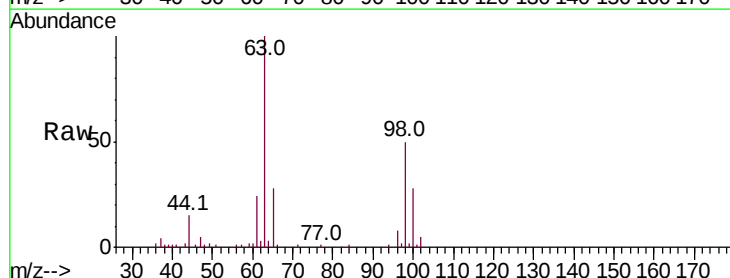
Tgt Ion: 96 Resp: 2828

Ion Ratio Lower Upper

96 100

61 313.7 134.8 250.3#

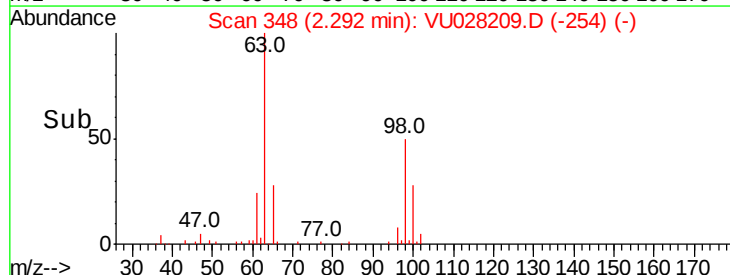
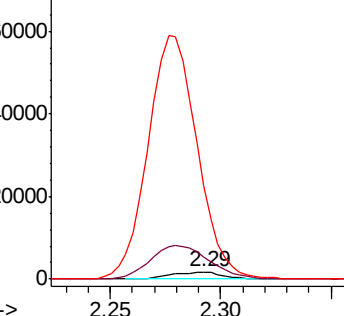
63 1301.1 100.1 185.9#

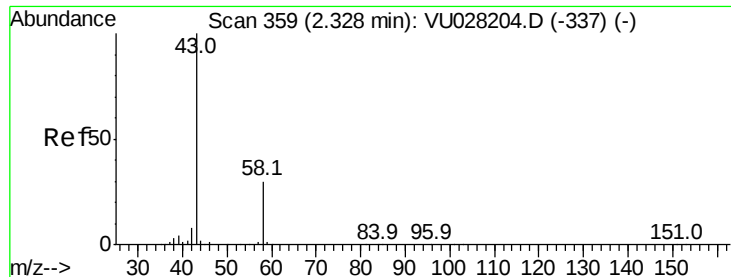


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.960 ug/L

RT: 2.33 min Scan# 360

Delta R.T. 0.00 min

Lab File: VU028209.D

Acq: 17 Nov 2018 02:06

Instrument :

MSVOA_U

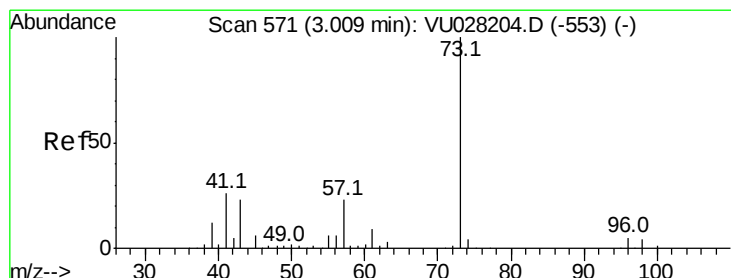
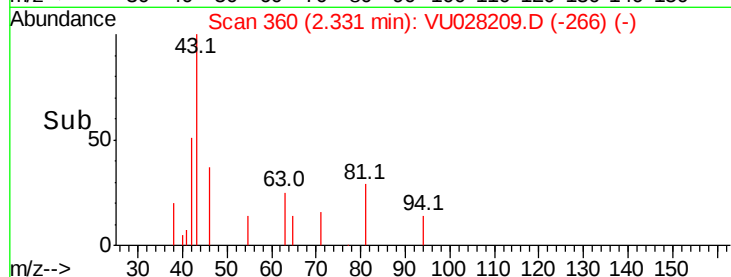
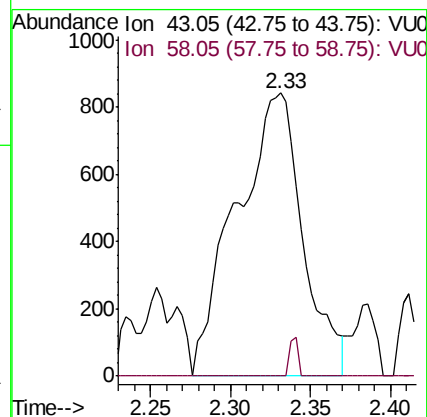
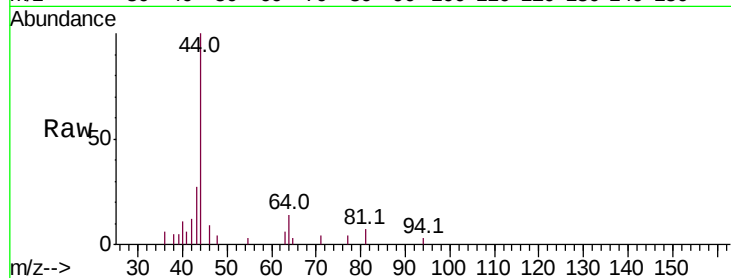
ClientSampled :

Tot Ion: 43 Resp: 2420

Ion Ratio Lower Upper

43 100

58 1.8 0.0 61.6



#17

Methyl tert-butyl Ether

Concen: 1.527 ug/L

RT: 3.01 min Scan# 571

Delta R.T. -0.00 min

Lab File: VU028209.D

Acq: 17 Nov 2018 02:06

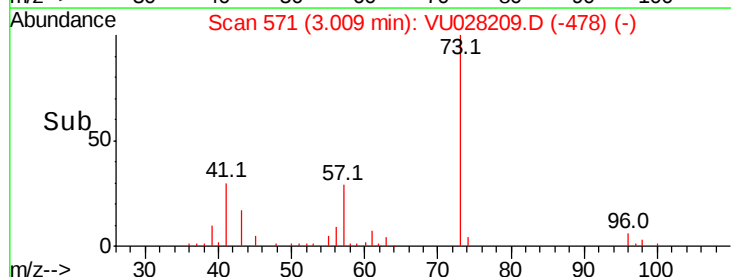
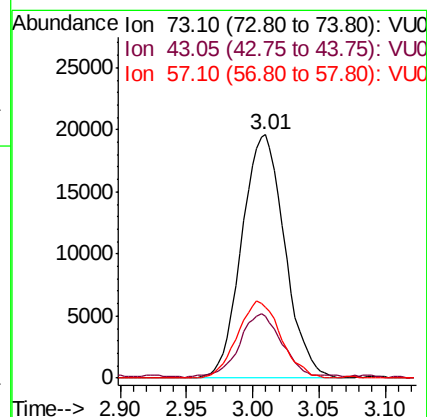
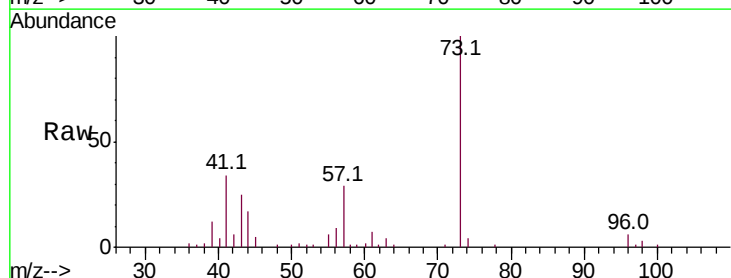
Tgt Ion: 73 Resp: 44152

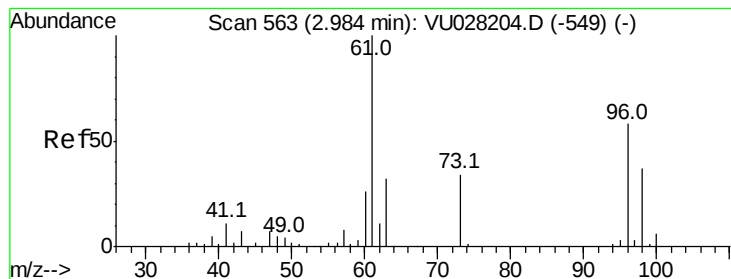
Ion Ratio Lower Upper

73 100

43 26.4 18.1 27.1

57 31.8 20.0 30.0#





#18

trans-1,2-Dichloroethene

Concen: 0.955 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028209.D

Acq: 17 Nov 2018 02:06

Instrument :

MSVOA_U

ClientSampled :

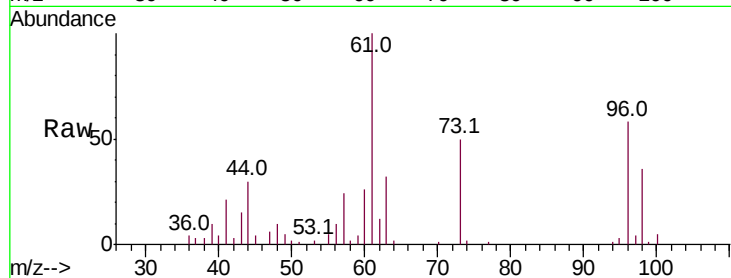
Tot Ion: 96 Resp: 10500

Ion Ratio Lower Upper

96 100

61 172.5 118.5 220.1

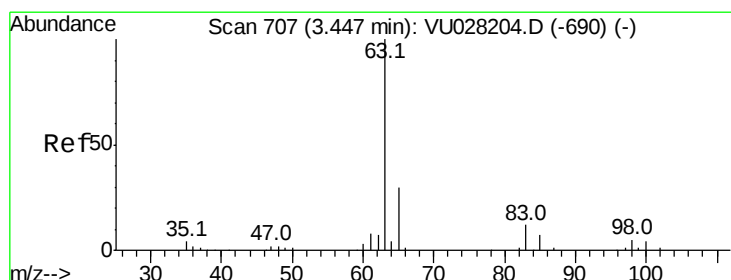
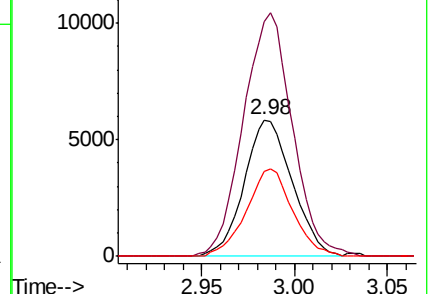
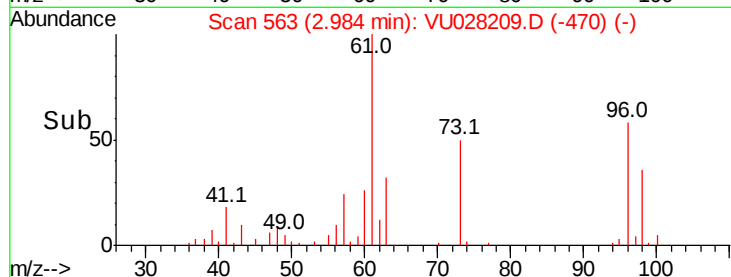
98 62.4 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#19

1,1-Dichloroethane

Concen: 0.555 ug/L

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028209.D

Acq: 17 Nov 2018 02:06

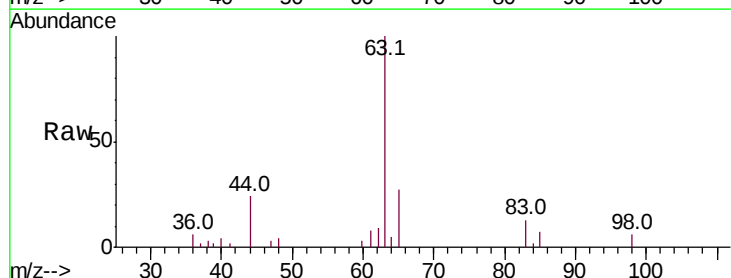
Tgt Ion: 63 Resp: 12841

Ion Ratio Lower Upper

63 100

65 27.4 22.2 41.2

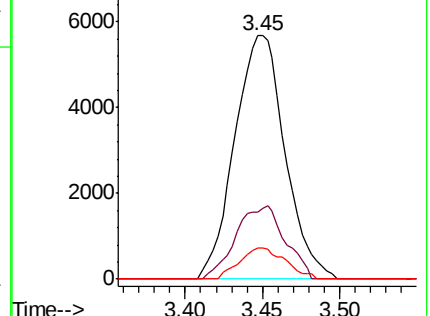
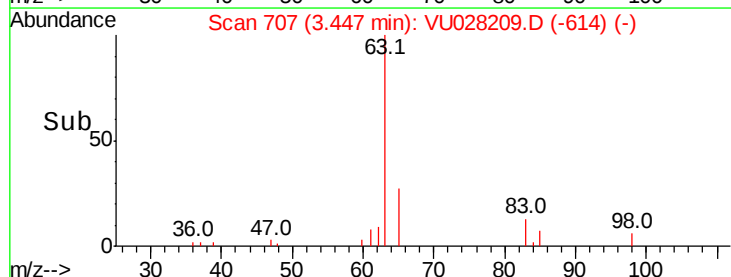
83 12.8 8.9 16.5

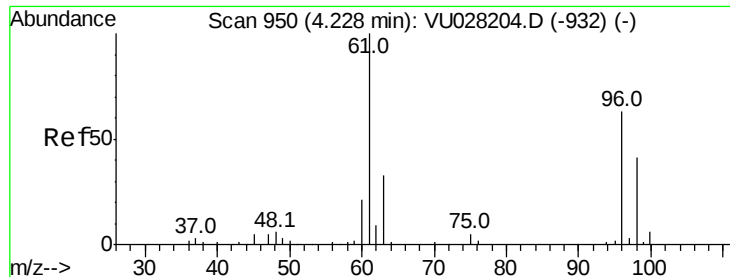


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



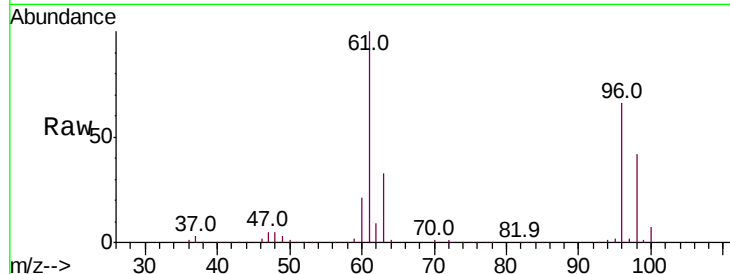


#22

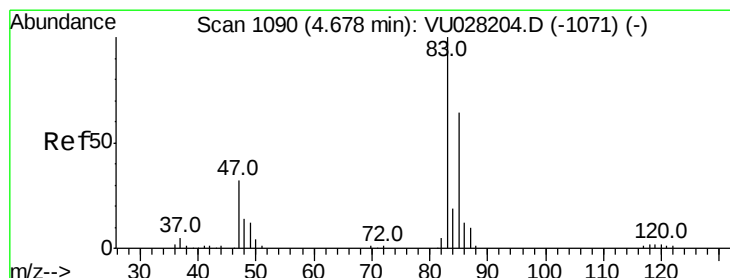
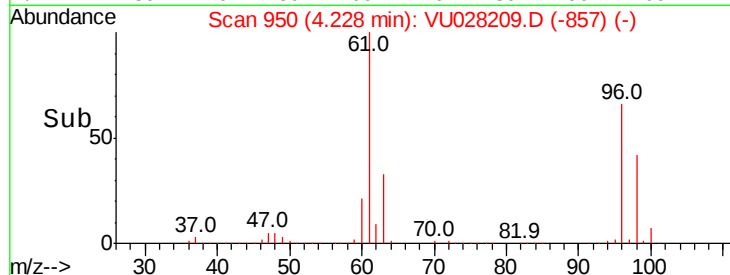
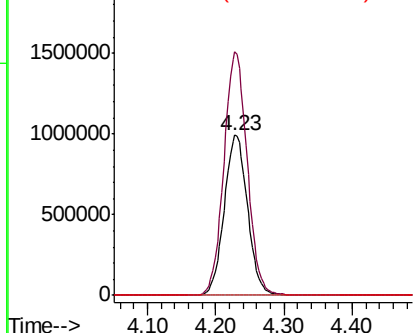
cis-1,2-Dichloroethene
Concen: 194.822 ug/L
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU028209.D
Acq: 17 Nov 2018 02:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 2361753
Ion Ratio Lower Upper
96 100
61 152.1 101.8 189.0
68 0.0 0.0 0.0



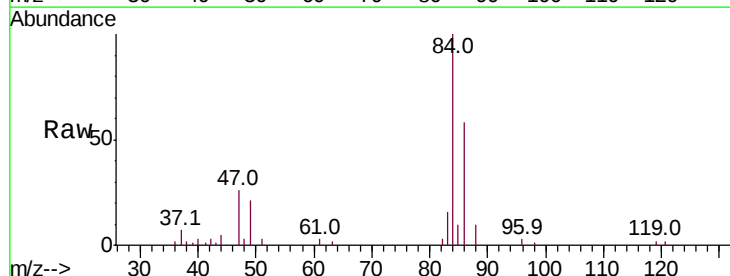
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



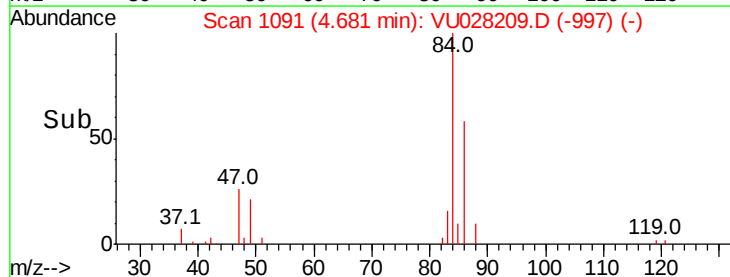
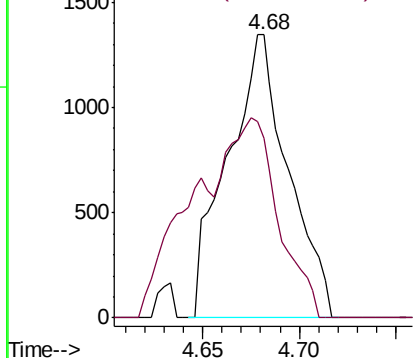
#25

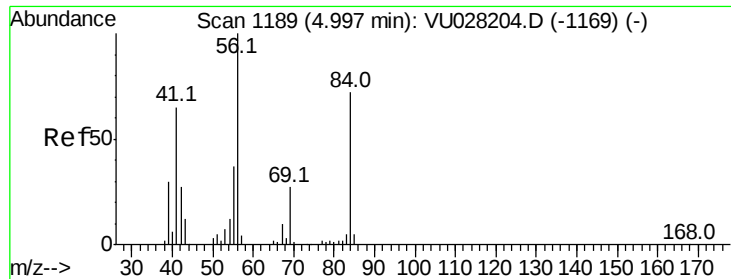
Chloroform
Concen: 0.142 ug/L
RT: 4.68 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VU028209.D
Acq: 17 Nov 2018 02:06

Tgt Ion: 83 Resp: 2941
Ion Ratio Lower Upper
83 100
85 63.6 45.0 83.6



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

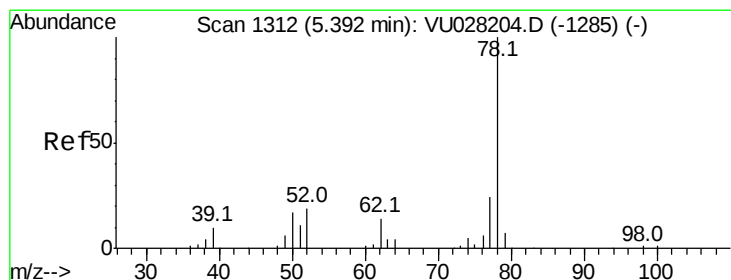
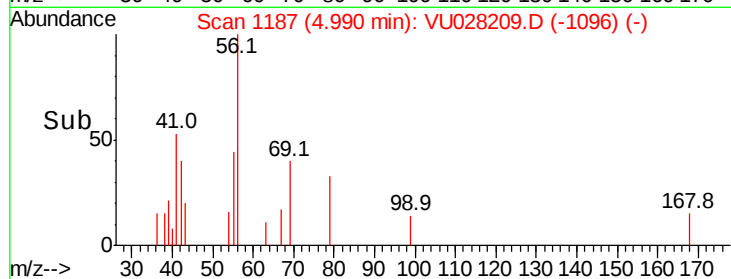
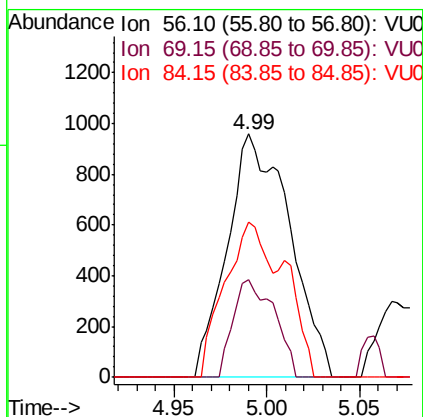
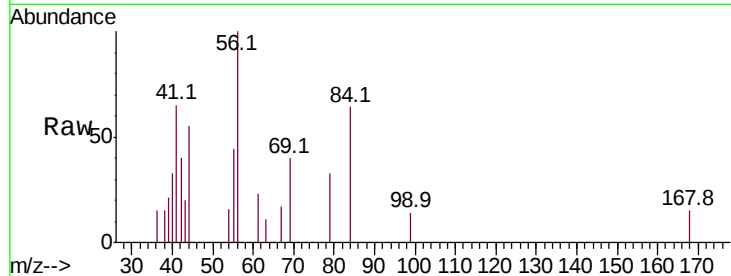




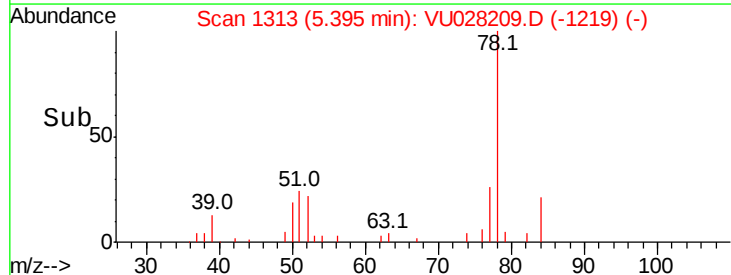
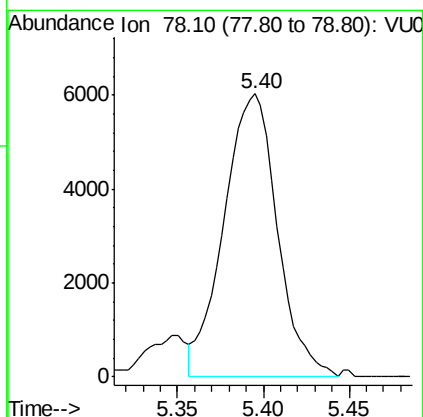
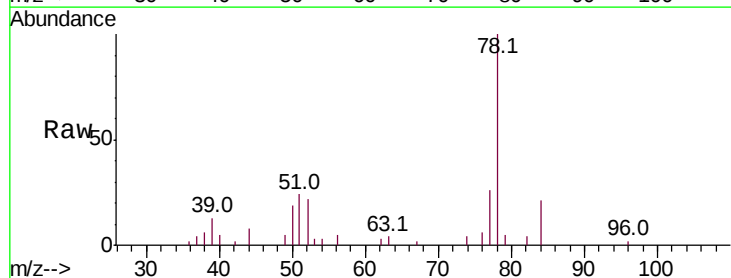
#30
Cyclohexane
Concen: 0.096 ug/L
RT: 4.99 min Scan# 1187
Delta R.T. -0.01 min
Lab File: VU028209.D
Acq: 17 Nov 2018 02:06

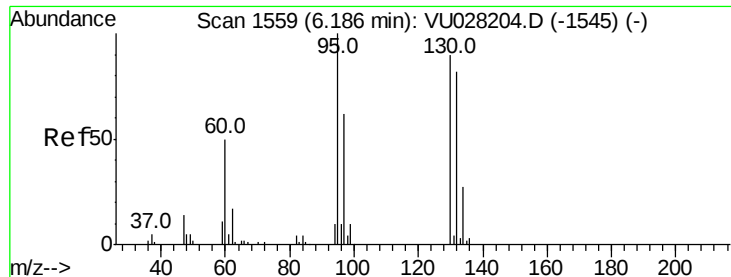
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 2245
Ion Ratio Lower Upper
56 100
69 26.2 22.6 33.8
84 44.1 57.7 86.5#



#33
Benzene
Concen: 0.262 ug/L
RT: 5.40 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU028209.D
Acq: 17 Nov 2018 02:06
Tgt Ion: 78 Resp: 13040

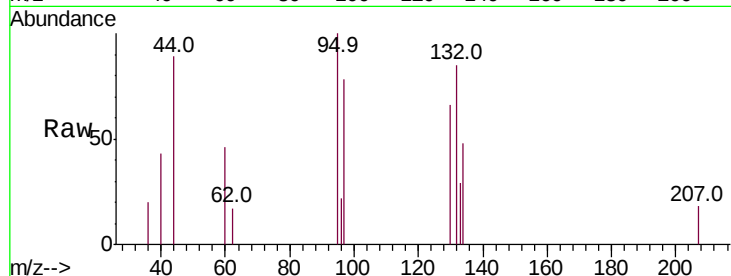




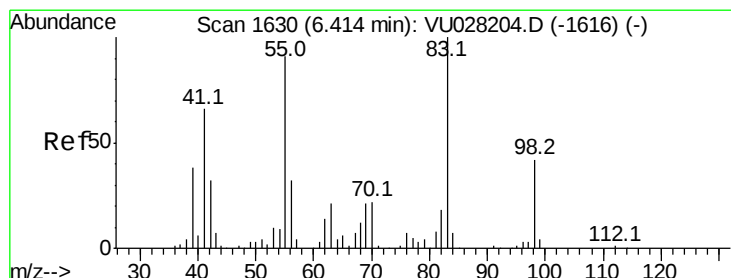
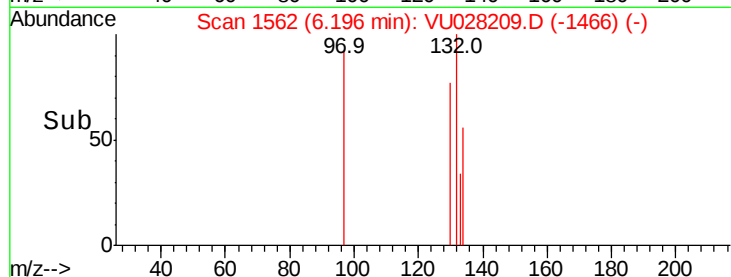
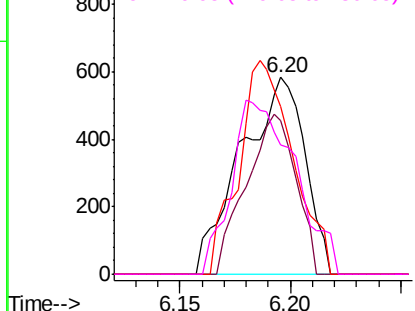
#34
 Trichloroethene
 Concen: 0.095 ug/L
 RT: 6.20 min Scan# 1562
 Delta R.T. 0.01 min
 Lab File: VU028209.D
 Acq: 17 Nov 2018 02:06

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 1165
 Ion Ratio Lower Upper
 95 100
 97 78.2 45.3 84.1
 132 85.1 63.0 117.0
 130 65.7 63.6 118.2

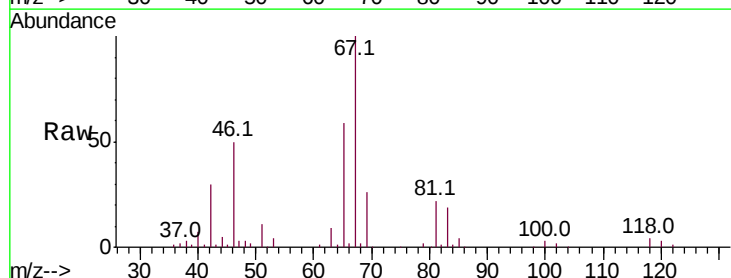


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

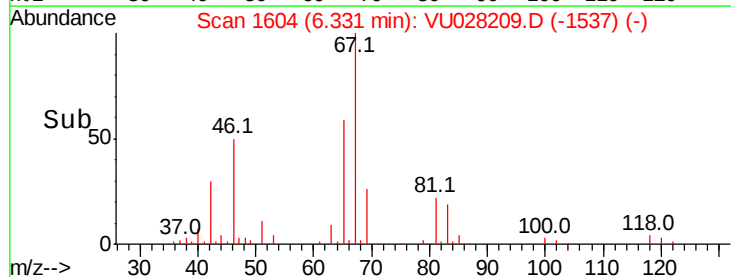
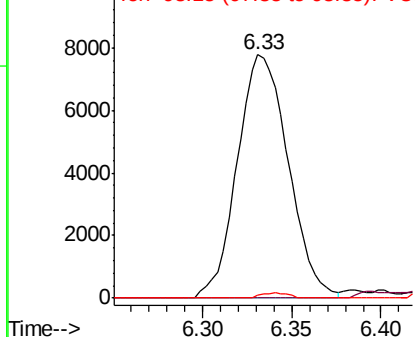


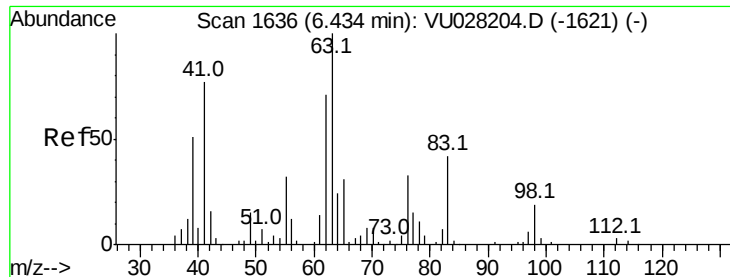
#35
 Methylcyclohexane
 Concen: 0.733 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.08 min
 Lab File: VU028209.D
 Acq: 17 Nov 2018 02:06

Tgt Ion: 83 Resp: 15494
 Ion Ratio Lower Upper
 83 100
 55 1.9 69.0 103.4#
 98 1.2 33.3 49.9#



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: 0.580 ug/L

RT: 6.34 min Scan# 1606

Delta R.T. -0.10 min

Lab File: VU028209.D

Acq: 17 Nov 2018 02:06

Instrument :

MSVOA_U

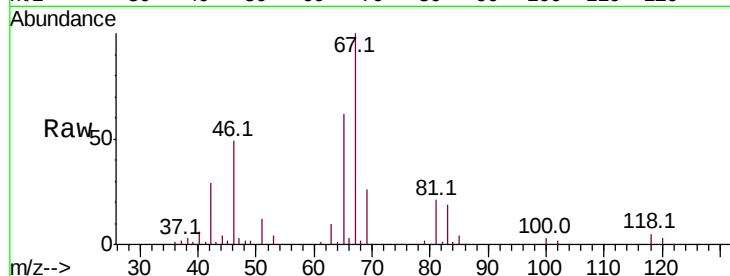
ClientSampleId :

Tot Ion: 63 Resp: 7973

Ion Ratio Lower Upper

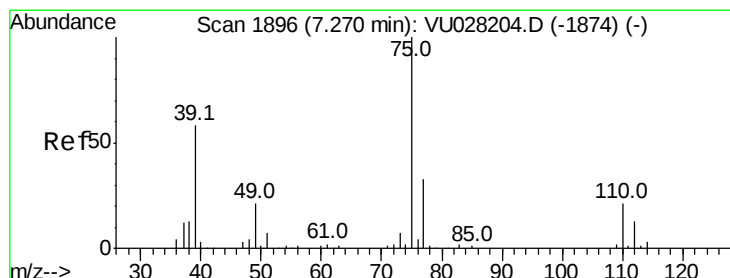
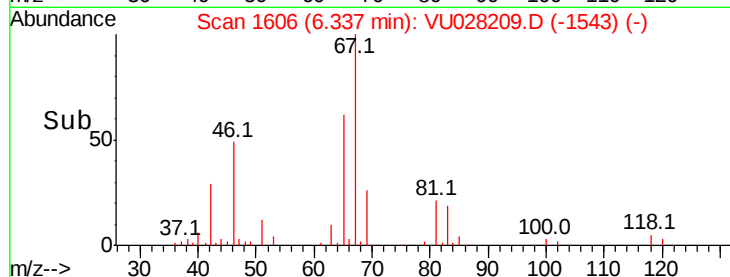
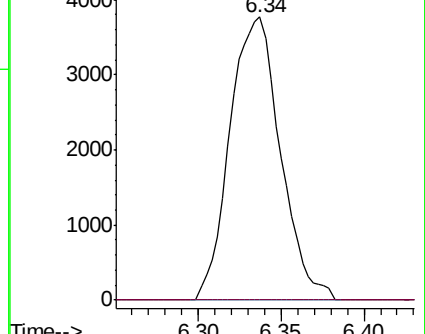
63 100

112 0.0 2.2 3.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#39

cis-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 7.22 min Scan# 1882

Delta R.T. -0.05 min

Lab File: VU028209.D

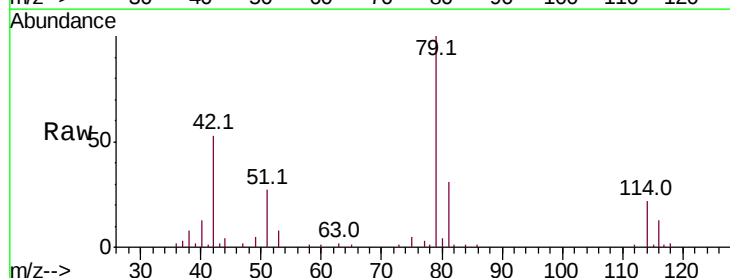
Acq: 17 Nov 2018 02:06

Tgt Ion: 75 Resp: 1610

Ion Ratio Lower Upper

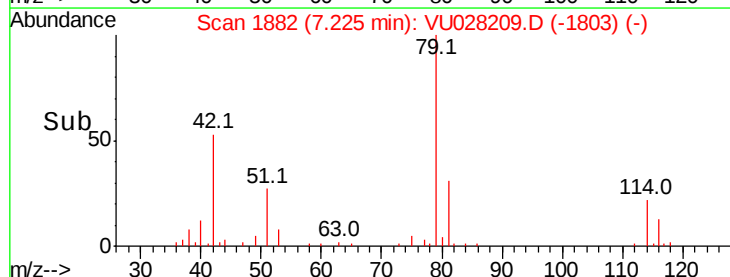
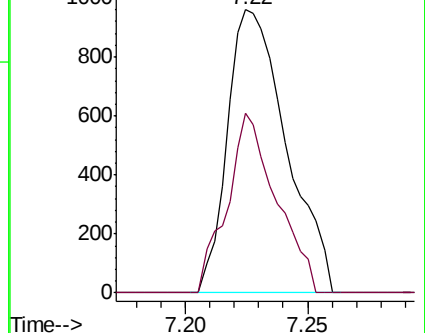
75 100

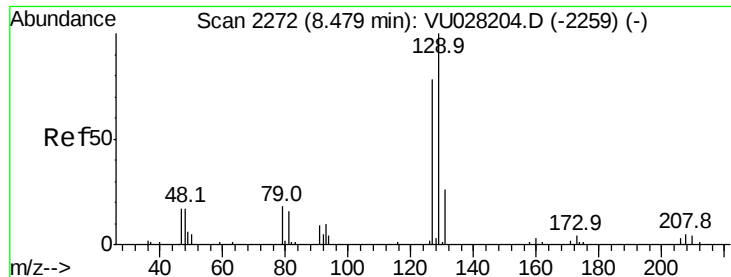
77 63.3 20.9 38.9#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#49

Dibromochloromethane

Concen: 0.053 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028209.D

Acq: 17 Nov 2018 02:06

Instrument :

MSVOA_U

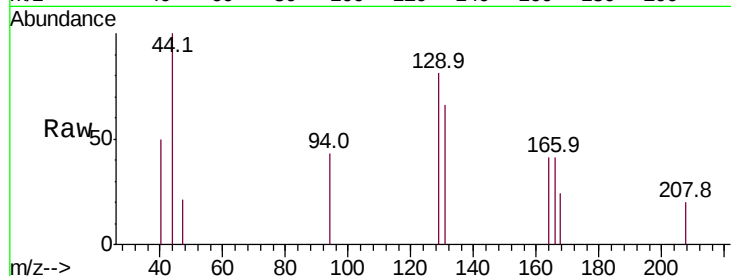
ClientSampleId :

Tot Ion:129 Resp: 471

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#

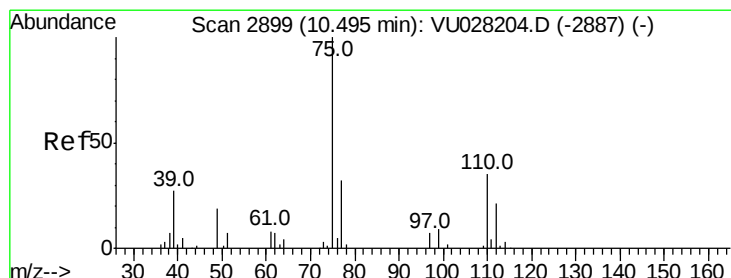
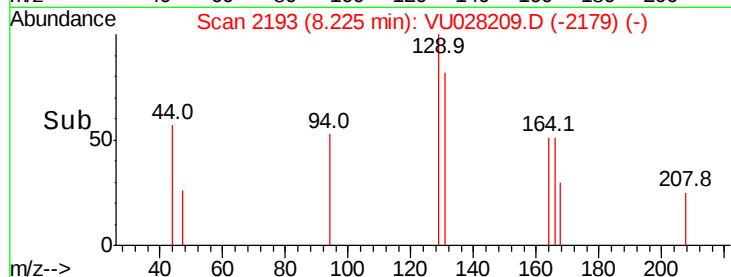


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.281 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028209.D

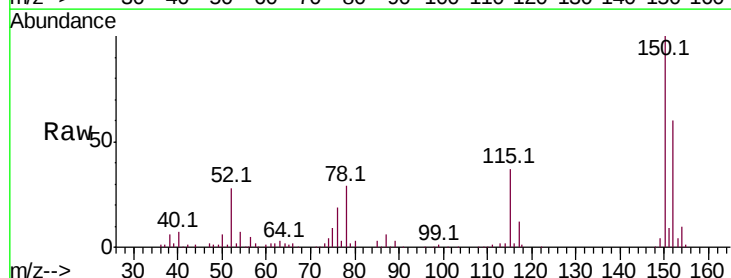
Acq: 17 Nov 2018 02:06

Tgt Ion: 75 Resp: 9890

Ion Ratio Lower Upper

75 100

77 37.3 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

Time-->

