

Data File : VU029608.D
Acq On : 22 Feb 2019 10:20
Operator : JC/SP
Sample : K1531-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0TR8

Quant Time: Feb 22 22:17:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 22 22:13:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	470133	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	454624	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	223054	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	156504	45.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.86%
7) Chloroethane-d5	1.68	69	137071	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.52%
11) 1,1-Dichloroethene-d2	2.27	63	228112	33.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.76%
21) 2-Butanone-d5	4.17	46	212557	101.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.39%
24) Chloroform-d	4.64	84	266463	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.38%
26) 1,2-Dichloroethane-d4	5.31	65	178653	50.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.00%
32) Benzene-d6	5.34	84	591289	51.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.38%
36) 1,2-Dichloropropane-d6	6.33	67	181940	52.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.72%
41) Toluene-d8	7.56	98	572165	49.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.02%
43) trans-1,3-Dichloropropene-	7.85	79	84407	46.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.48%
47) 2-Hexanone-d5	8.31	63	180826	94.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.35%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	272709	46.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.78%
64) 1,2-Dichlorobenzene-d4	11.86	152	238849	49.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.38%

Target Compounds

						Qvalue
9) Trichlorofluoromethane	1.88	101	35504	5.799	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2316	0.707	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	1901	0.611	ug/L #	1
20) cis-1,2-Dichloroethene	4.23	96	4170	1.249	ug/L	99
25) Chloroform	4.67	83	13832	2.495	ug/L	94
34) Trichloroethene	6.18	95	139392	44.393	ug/L	98
39) cis-1,3-Dichloropropene	7.22	75	4982	1.009	ug/L #	65
44) trans-1,3-Dichloropropene	7.85	75	3482	0.748	ug/L	86
46) Tetrachloroethene	8.22	164	97327	31.668	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	21289	4.880	ug/L	89

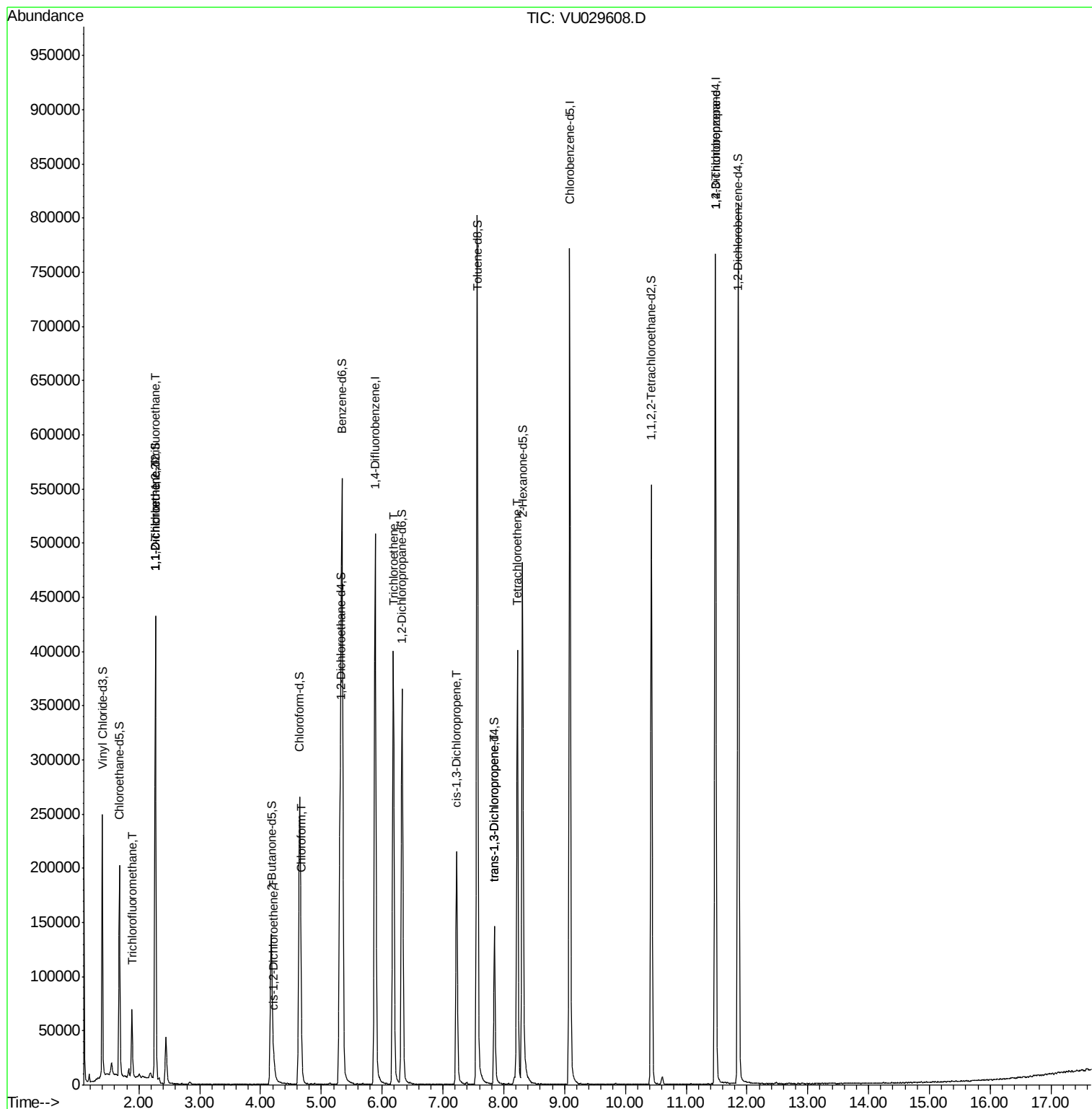
(#) = qualifier out of range (m) = manual integration (+) = signals summed

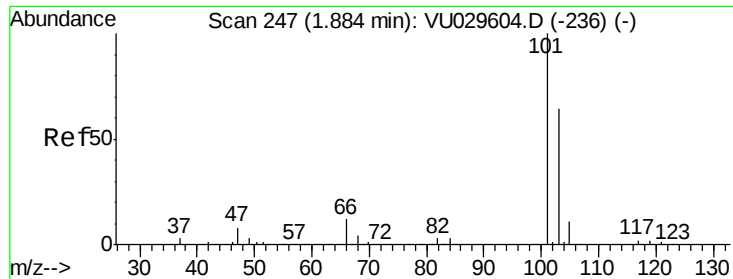
Data File : VU029608.D

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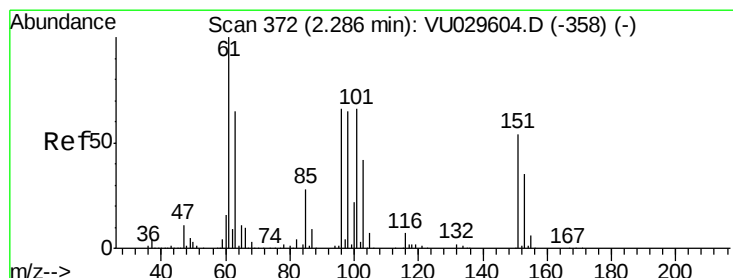
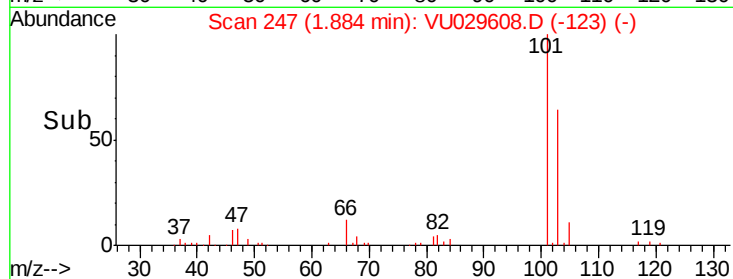
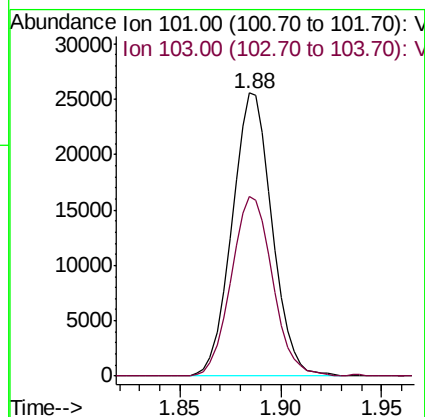
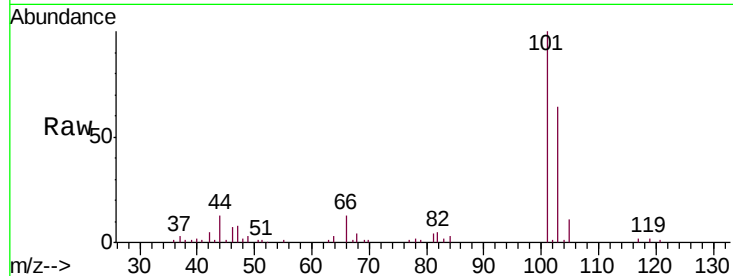


#9

Trichlorofluoromethane
 Concen: 5.799 ug/L
 RT: 1.88 min Scan# 247
 Delta R.T. -0.00 min
 Lab File: VU029608.D
 Acq: 22 Feb 2019 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 C0TR8

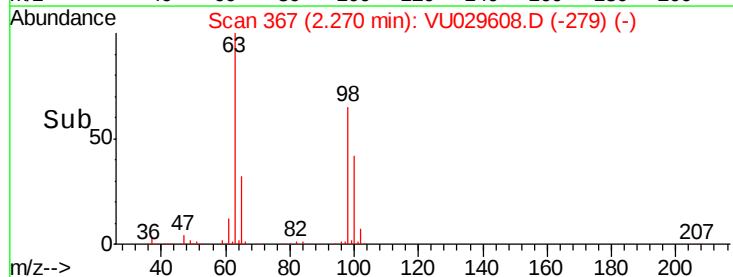
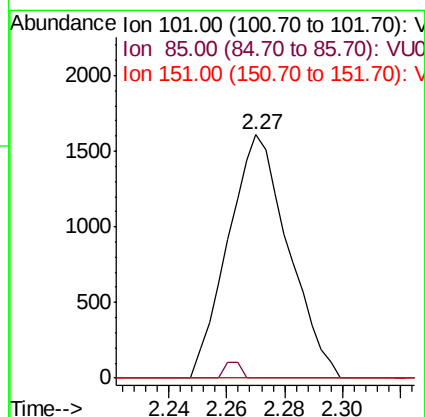
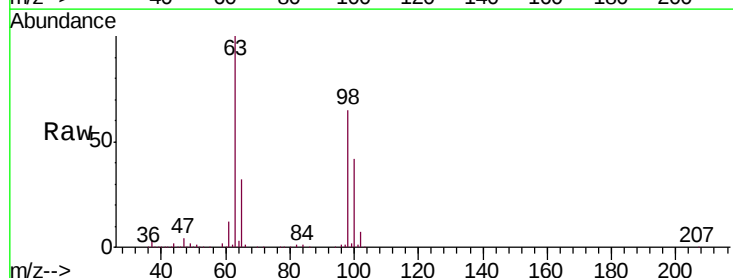
Tgt Ion:101 Resp: 35504
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.4 77.2

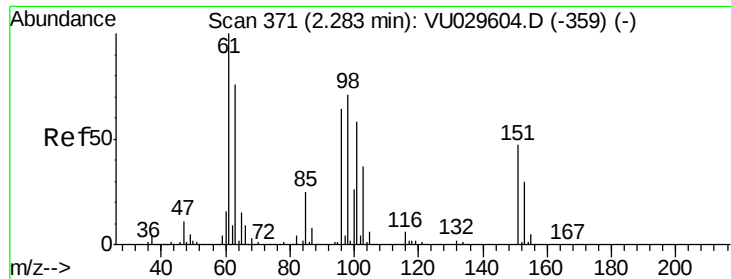


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.707 ug/L
 RT: 2.27 min Scan# 367
 Delta R.T. -0.02 min
 Lab File: VU029608.D
 Acq: 22 Feb 2019 10:20

Tgt Ion:101 Resp: 2316
 Ion Ratio Lower Upper
 101 100
 85 1.7 33.0 49.6#
 151 0.0 65.7 98.5#





#12

1,1-Dichloroethene

Concen: 0.611 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU029608.D

Acq: 22 Feb 2019 10:20

Instrument :

MSVOA_U

ClientSampleId :

C0TR8

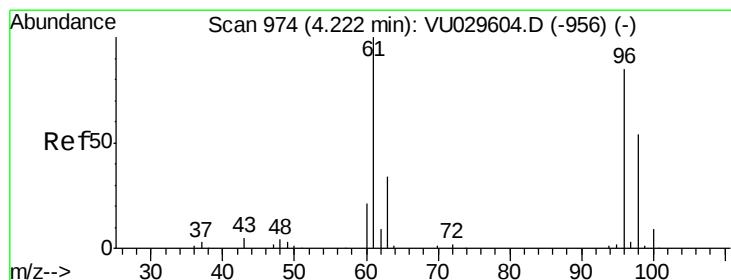
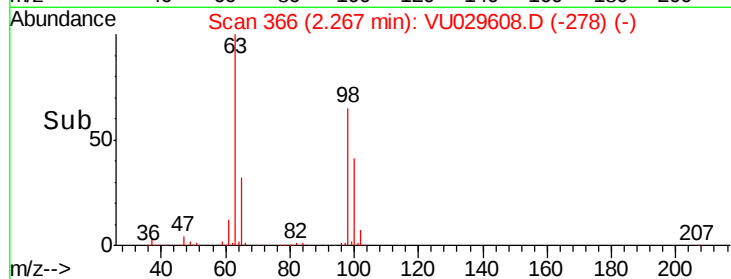
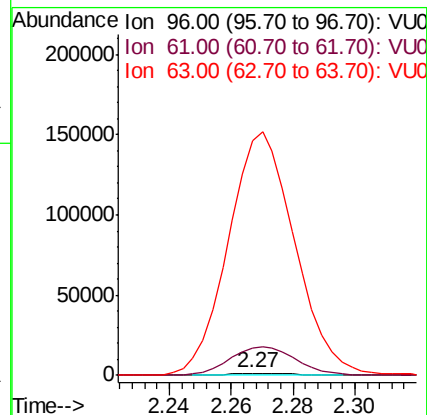
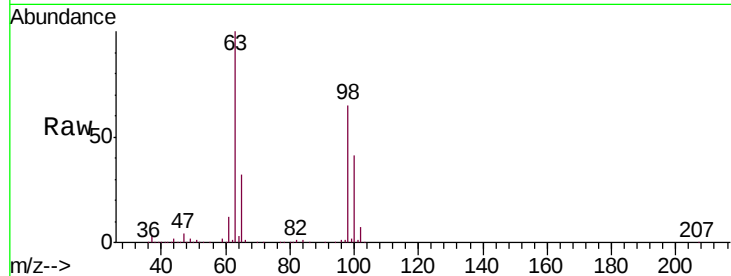
Tgt Ion: 96 Resp: 1901

Ion Ratio Lower Upper

96 100

61 1335.8 114.0 211.8#

63 11452.9 98.7 183.3#



#20

cis-1,2-Dichloroethene

Concen: 1.249 ug/L

RT: 4.23 min Scan# 976

Delta R.T. 0.01 min

Lab File: VU029608.D

Acq: 22 Feb 2019 10:20

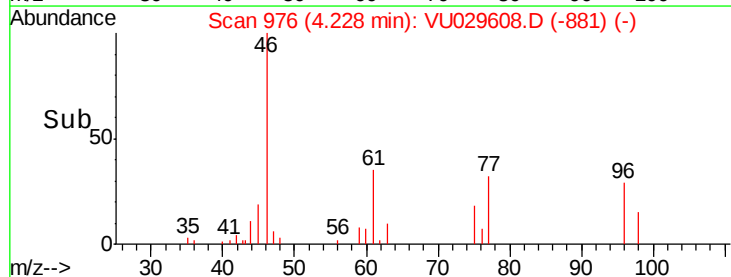
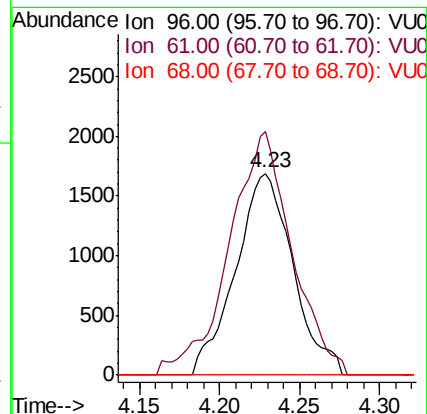
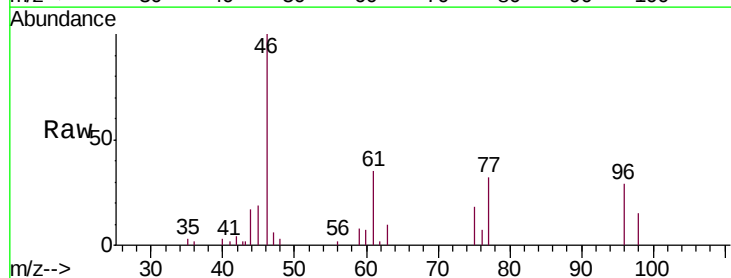
Tgt Ion: 96 Resp: 4170

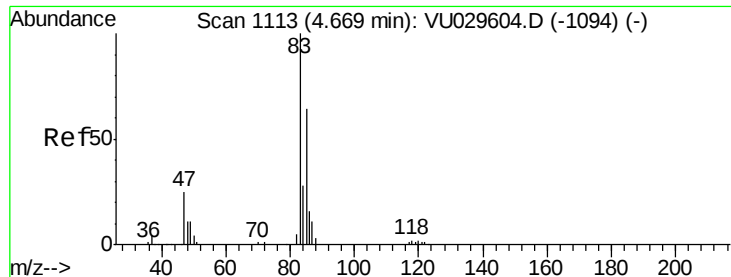
Ion Ratio Lower Upper

96 100

61 120.6 83.9 155.7

68 0.0 0.0 0.0





#25

Chloroform

Concen: 2.495 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029608.D

Acq: 22 Feb 2019 10:20

Instrument :

MSVOA_U

ClientSampleId :

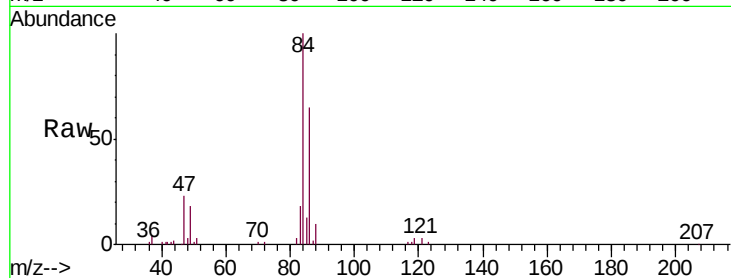
C0TR8

Tgt Ion: 83 Resp: 13832

Ion Ratio Lower Upper

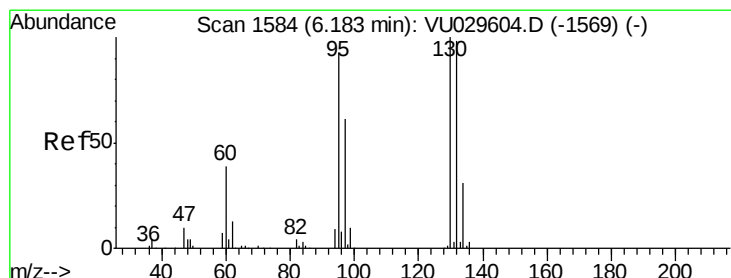
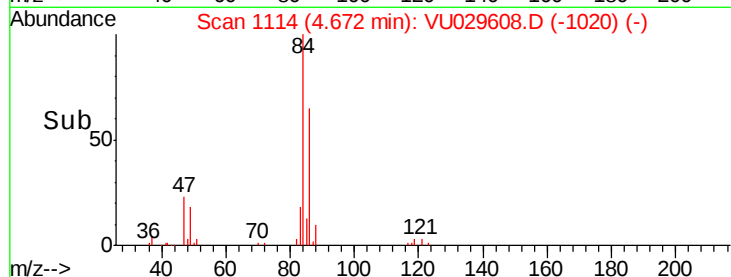
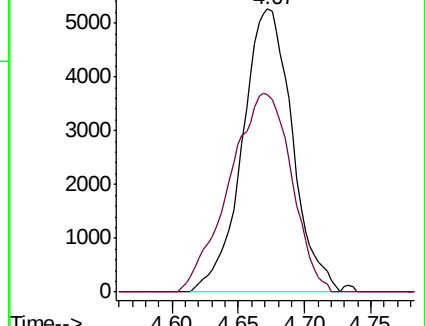
83 100

85 69.6 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VU029604.D (-1094) (-)

Ion 85.00 (84.70 to 85.70): VU029604.D (-1094) (-)



#34

Trichloroethene

Concen: 44.393 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU029608.D

Acq: 22 Feb 2019 10:20

Tgt Ion: 95 Resp: 139392

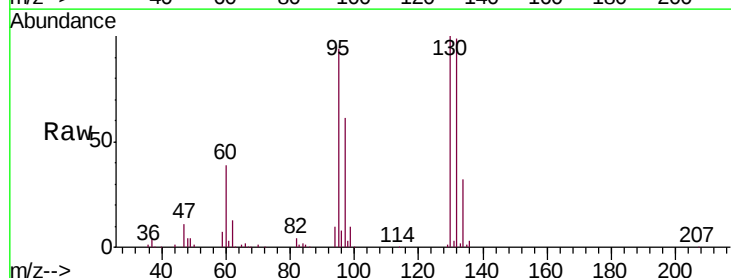
Ion Ratio Lower Upper

95 100

97 65.5 44.6 82.8

132 105.5 74.6 138.6

130 106.7 77.2 143.4

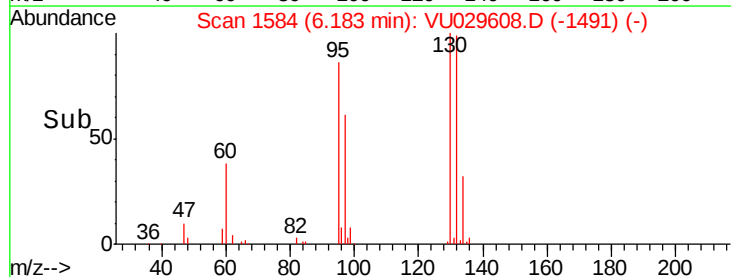
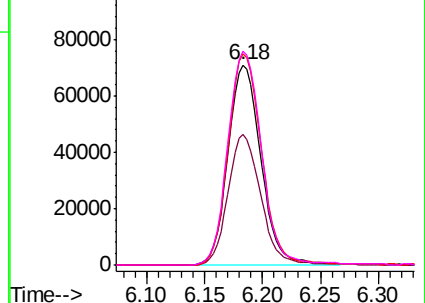


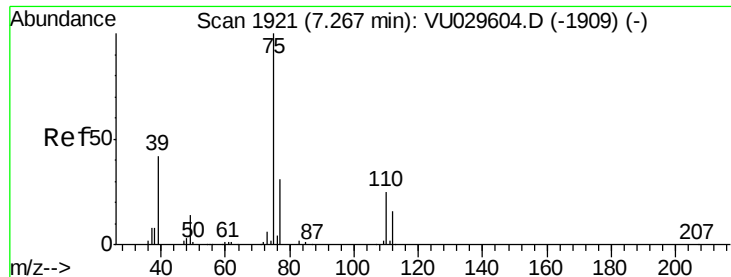
Abundance Ion 95.00 (94.70 to 95.70): VU029604.D (-1569) (-)

Ion 97.00 (96.70 to 97.70): VU029604.D (-1569) (-)

Ion 132.00 (131.70 to 132.70): VU029604.D (-1569) (-)

Ion 130.00 (129.70 to 130.70): VU029604.D (-1569) (-)





#39

cis-1,3-Dichloropropene

Concen: 1.009 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU029608.D

Acq: 22 Feb 2019 10:20

Instrument :

MSVOA_U

ClientSampleId :

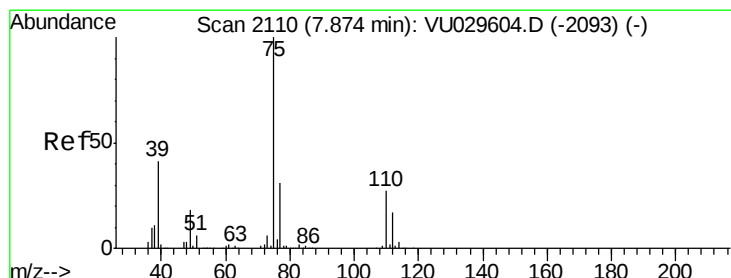
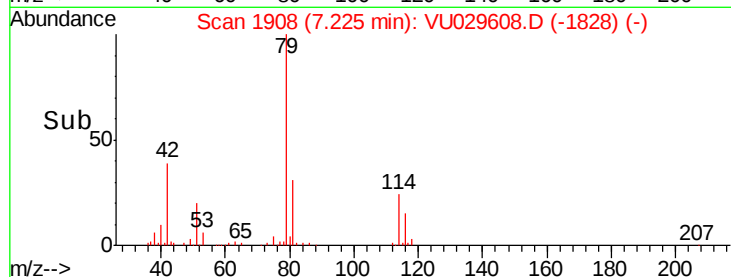
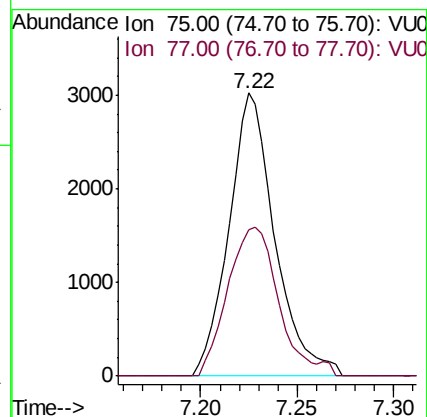
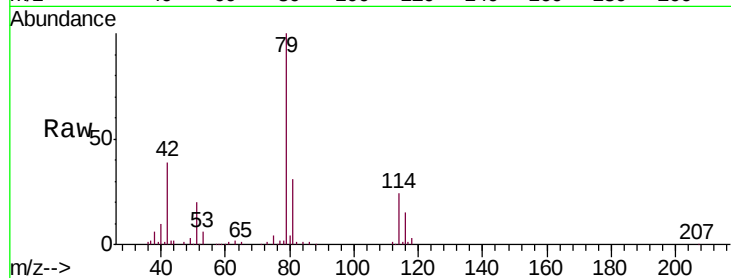
C0TR8

Tgt Ion: 75 Resp: 4982

Ion Ratio Lower Upper

75 100

77 51.5 22.3 41.5#



#44

trans-1,3-Dichloropropene

Concen: 0.748 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU029608.D

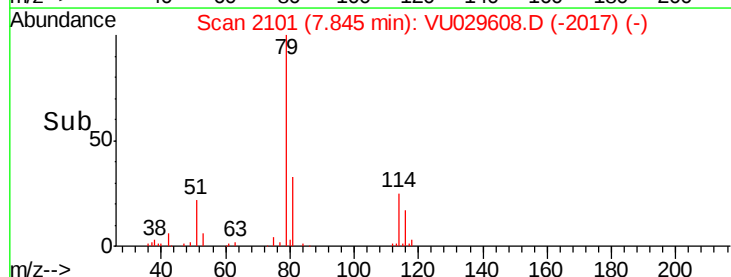
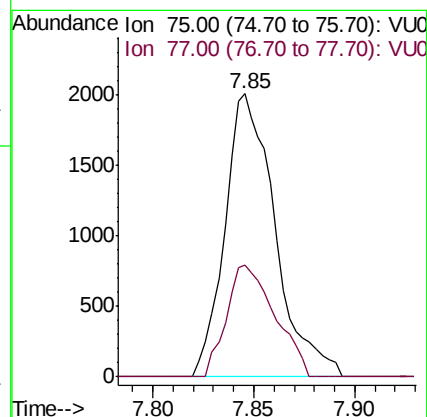
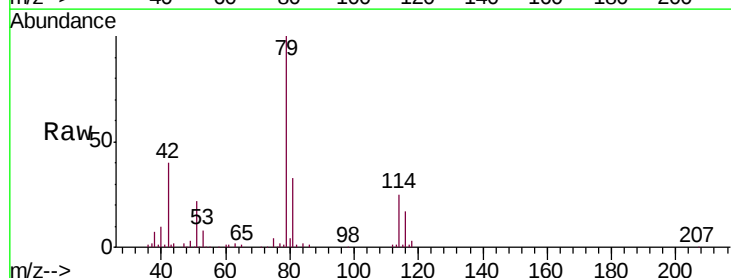
Acq: 22 Feb 2019 10:20

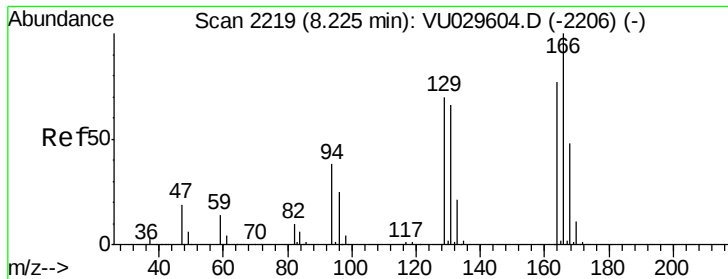
Tgt Ion: 75 Resp: 3482

Ion Ratio Lower Upper

75 100

77 39.6 22.1 41.1

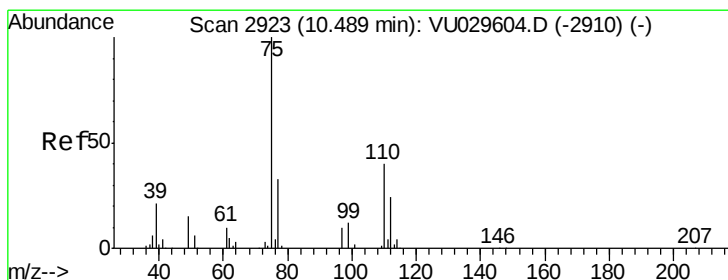
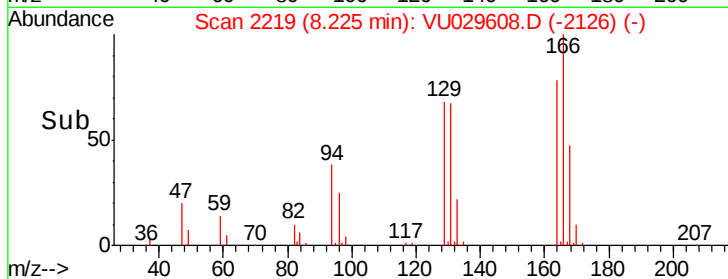
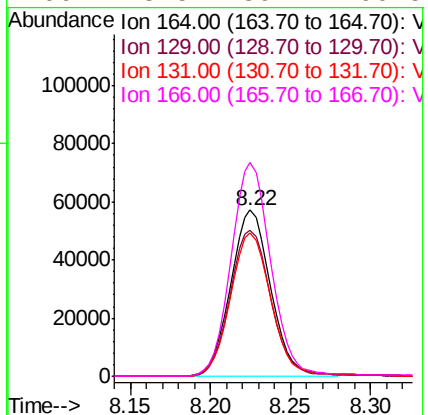
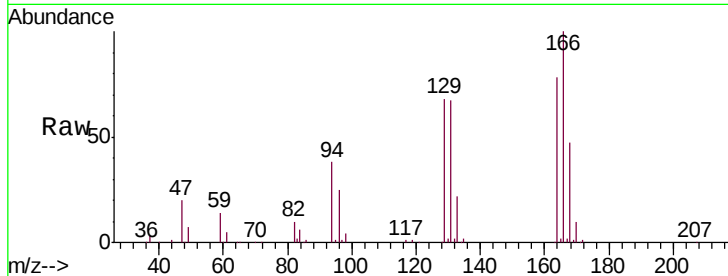




#46
Tetrachloroethene
Concen: 31.668 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.00 min
Lab File: VU029608.D
Acq: 22 Feb 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :
C0TR8

Tgt Ion:164 Resp: 97327
Ion Ratio Lower Upper
164 100
129 87.8 62.1 115.3
131 86.6 60.1 111.5
166 128.5 89.7 166.5



#59
1,2,3-Trichloropropane
Concen: 4.880 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU029608.D
Acq: 22 Feb 2019 10:20

Tgt Ion: 75 Resp: 21289
Ion Ratio Lower Upper
75 100
77 38.2 25.7 38.5

