

Data File : VU032009.D
Acq On : 14 May 2019 20:58
Operator : JC/SP
Sample : K2738-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB896

Quant Time: May 15 04:32:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 04:26:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1094317	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1076039	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	409317	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	400816	41.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.48%
7) Chloroethane-d5	1.68	69	342843	44.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	2.27	63	559107	32.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.96%
21) 2-Butanone-d5	4.17	46	604785	89.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.94%
24) Chloroform-d	4.64	84	705227	43.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.74%
26) 1,2-Dichloroethane-d4	5.30	65	470747	46.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.00%
32) Benzene-d6	5.34	84	1511304	48.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.02%
36) 1,2-Dichloropropane-d6	6.32	67	501324	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.56%
41) Toluene-d8	7.56	98	1279174	45.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.66%
43) trans-1,3-Dichloropropene-	7.85	79	200365	44.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.38%
47) 2-Hexanone-d5	8.31	63	397837	95.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.45%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	689187	45.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	441454	51.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.52%

Target Compounds

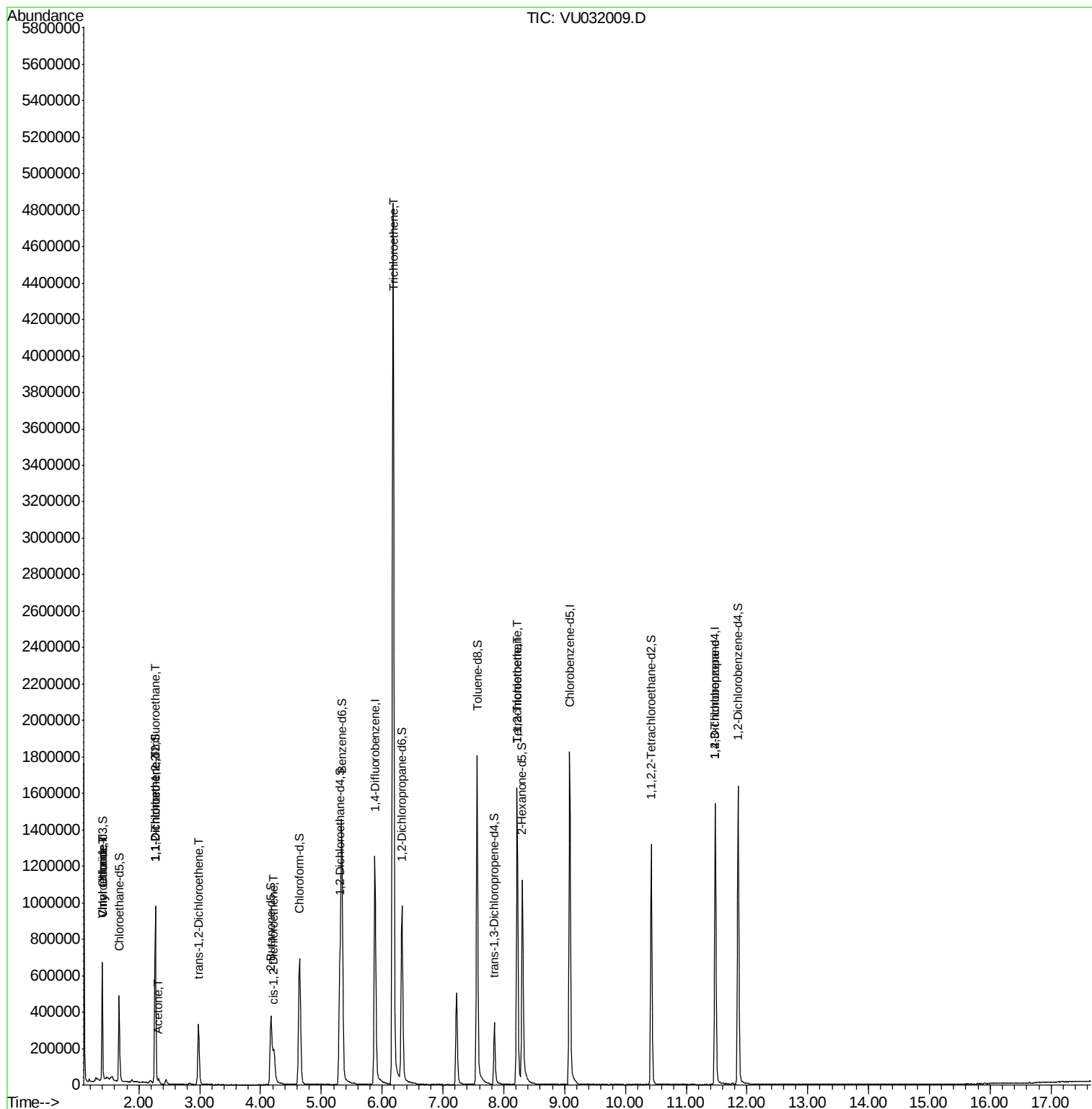
					Qvalue
5) Vinyl chloride	1.40	62	20717	1.758 ug/L #	1
8) Chloroethane	1.40	64	18134	2.600 ug/L	84
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	4577	0.562 ug/L #	23
12) 1,1-Dichloroethene	2.27	96	5205	0.644 ug/L #	1
13) Acetone	2.32	43	25359	3.668 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	134152	15.956 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	88388	9.504 ug/L	98
34) Trichloroethene	6.18	95	1790125	205.081 ug/L	99
45) 1,1,2-Trichloroethane	8.22	97	3395	0.391 ug/L #	1
46) Tetrachloroethene	8.22	164	368126	59.734 ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	50468	4.087 ug/L	94

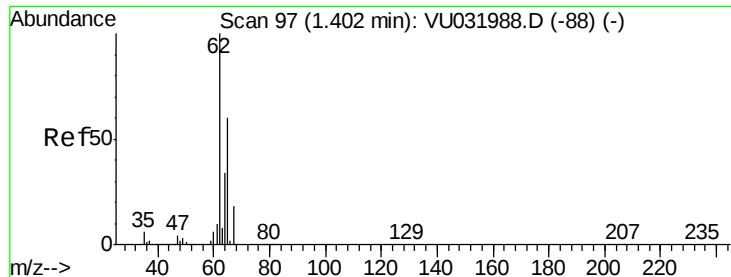
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.758 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

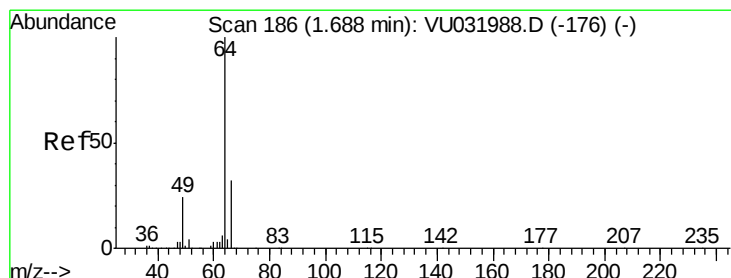
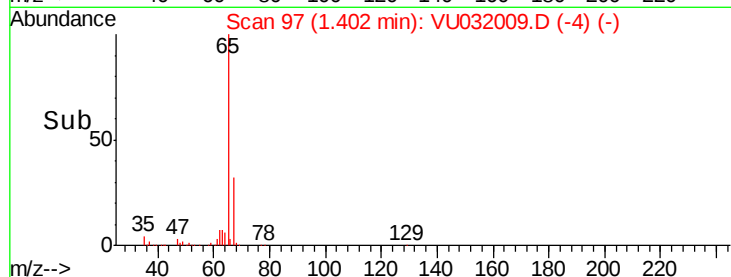
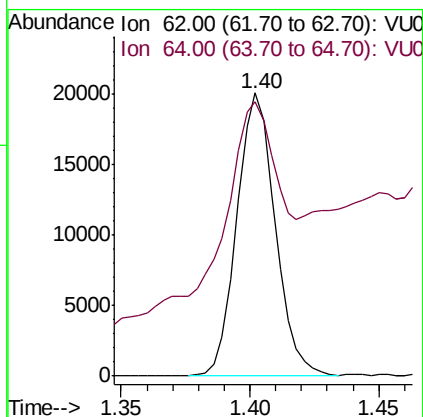
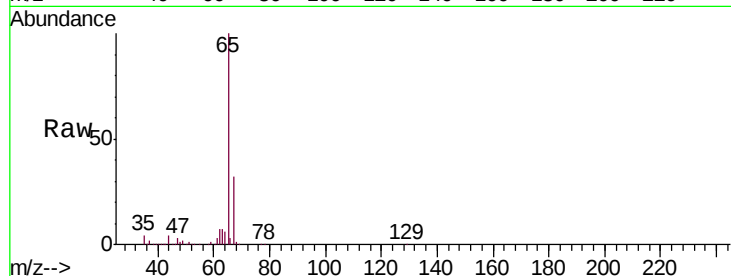
DB896

Tgt Ion: 62 Resp: 20717

Ion Ratio Lower Upper

62 100

64 96.7 23.6 43.8#



#8

Chloroethane

Concen: 2.600 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.29 min

Lab File: VU032009.D

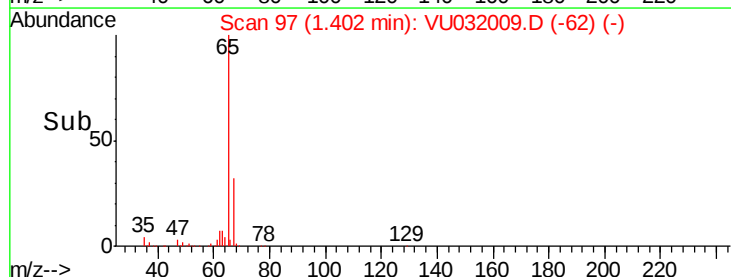
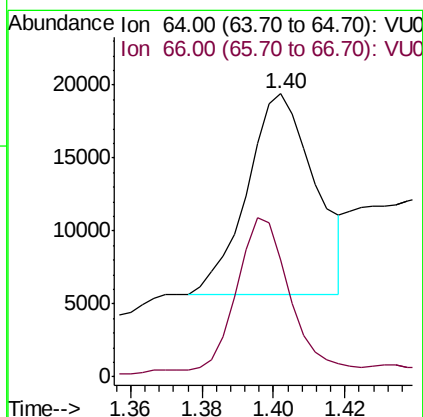
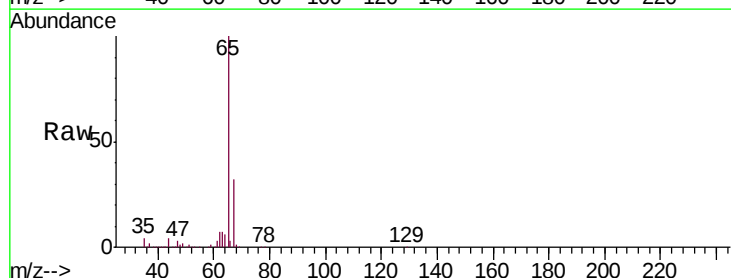
Acq: 14 May 2019 20:58

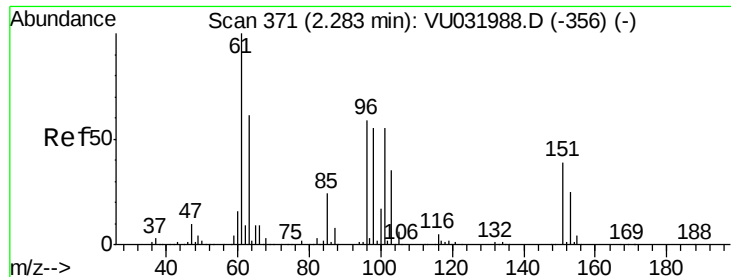
Tgt Ion: 64 Resp: 18134

Ion Ratio Lower Upper

64 100

66 41.4 22.7 42.1





#10

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

Concen: 0.562 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU032009.D

Acq: 14 May 2019 20:58

Instrument :

MSVOA_U

ClientSampleId :

DB896

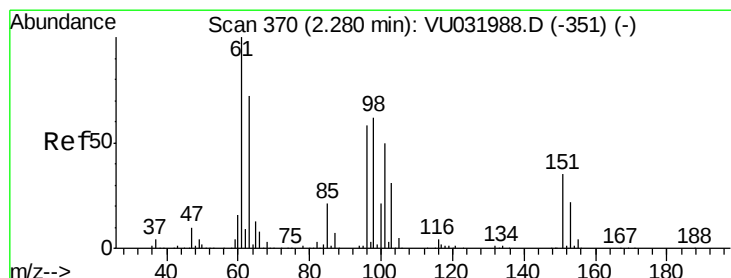
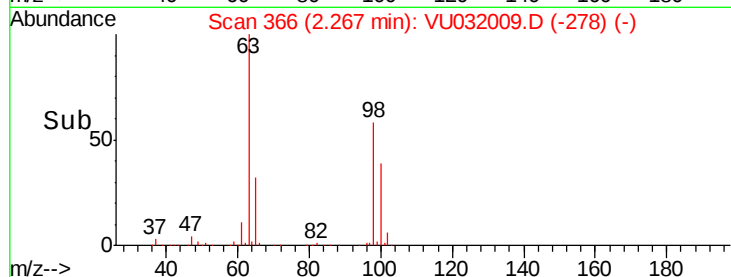
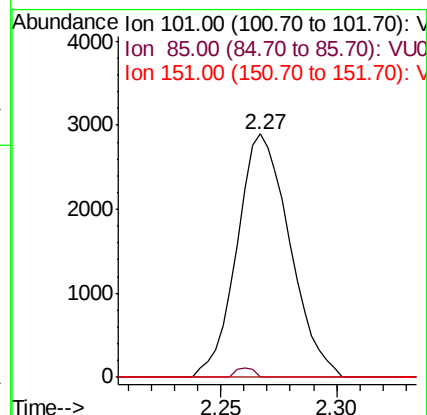
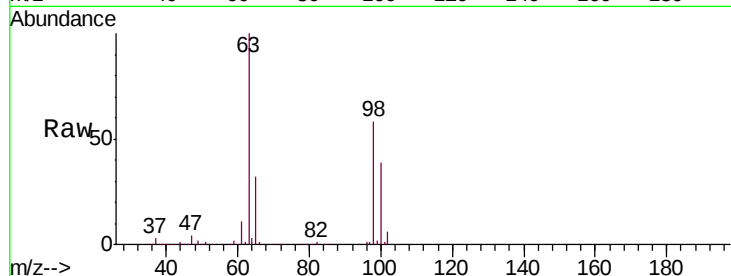
Tgt Ion:101 Resp: 4577

Ion Ratio Lower Upper

101 100

85 1.3 34.1 51.1#

151 0.0 55.8 83.8#



#12

1,1-Dichloroethene

Concen: 0.644 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032009.D

Acq: 14 May 2019 20:58

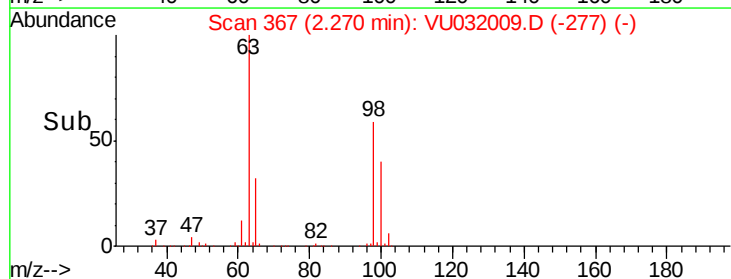
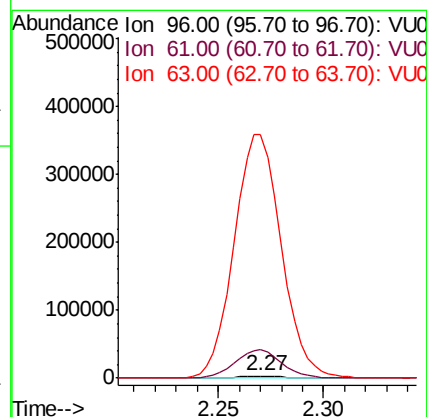
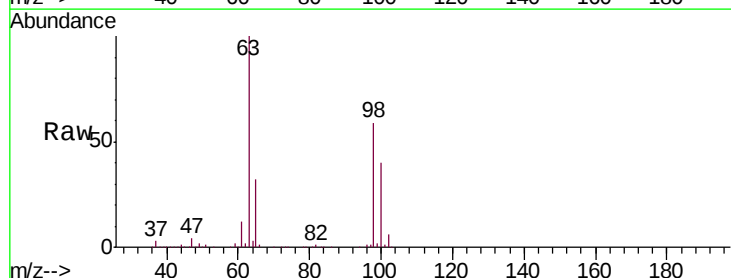
Tgt Ion: 96 Resp: 5205

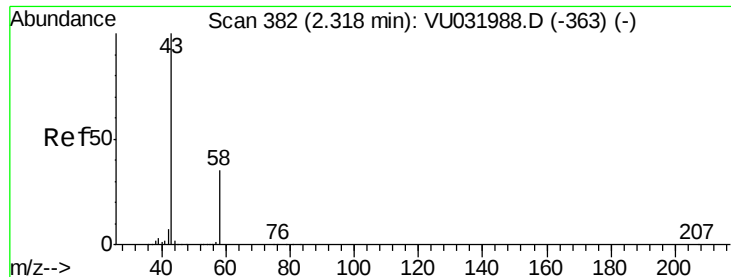
Ion Ratio Lower Upper

96 100

61 1458.3 120.9 224.5#

63 12474.9 84.4 156.8#





#13

Acetone

Concen: 3.668 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032009.D

Acq: 14 May 2019 20:58

Instrument :

MSVOA_U

ClientSampleId :

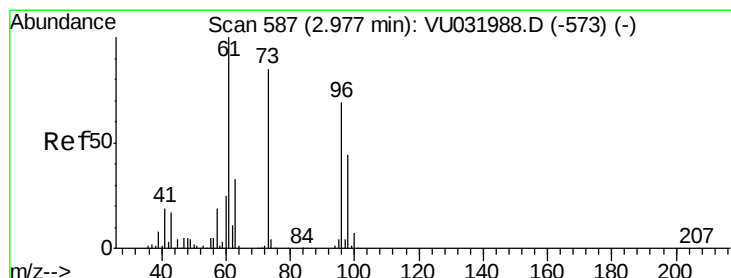
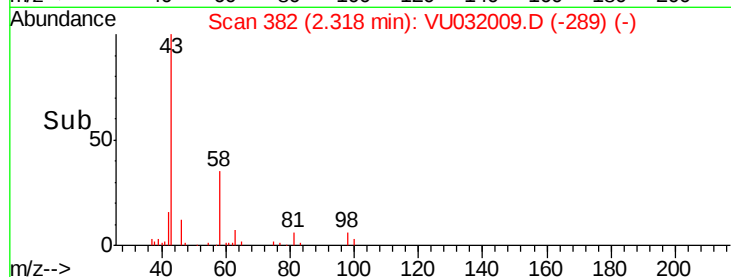
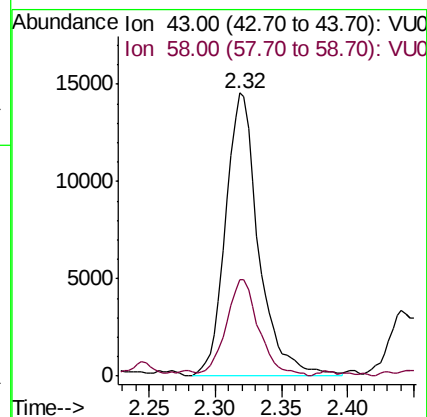
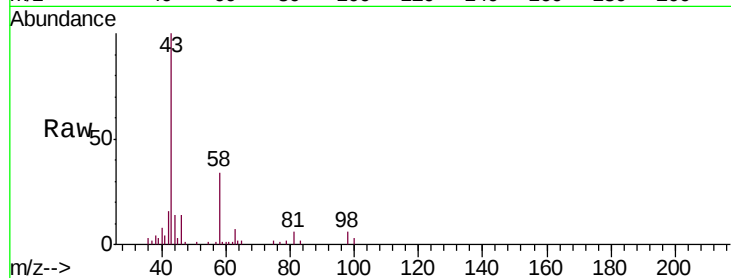
DB896

Tgt Ion: 43 Resp: 25359

Ion Ratio Lower Upper

43 100

58 33.7 0.0 68.2



#17

trans-1,2-Dichloroethene

Concen: 15.956 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU032009.D

Acq: 14 May 2019 20:58

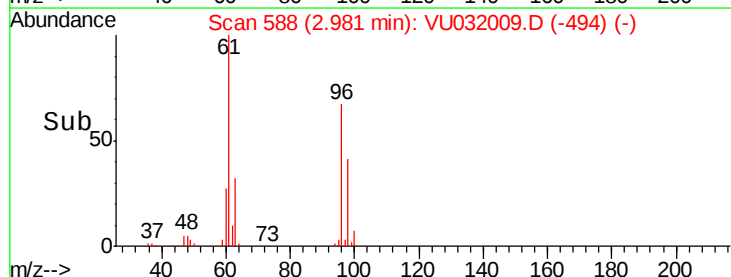
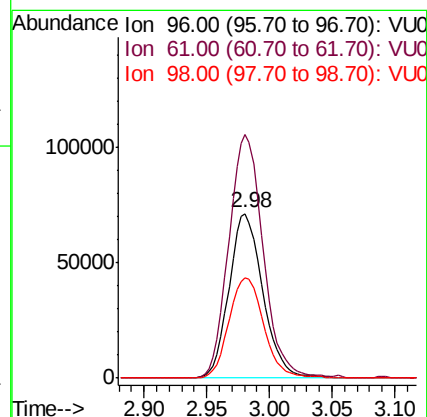
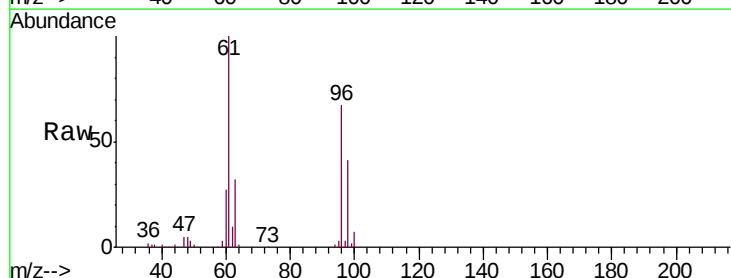
Tgt Ion: 96 Resp: 134152

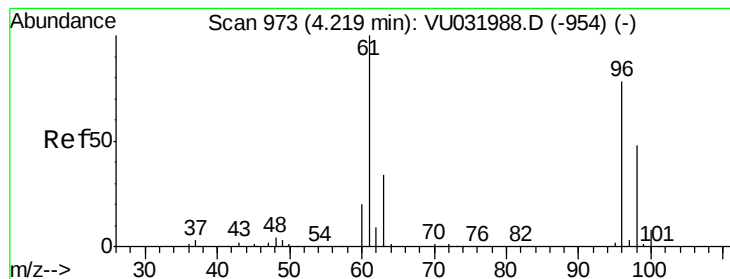
Ion Ratio Lower Upper

96 100

61 148.2 103.2 191.6

98 61.1 45.7 84.9



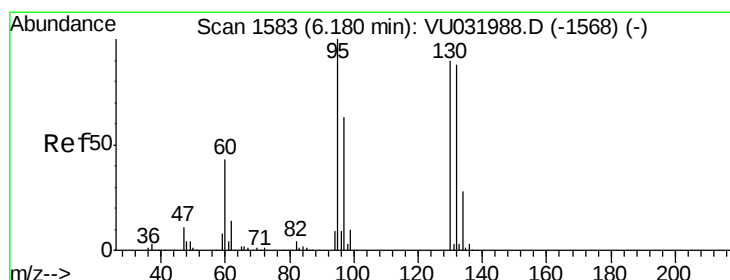
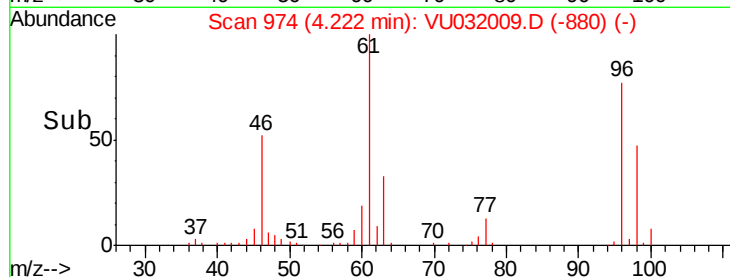
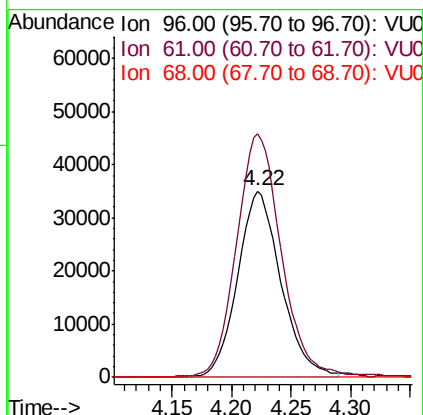
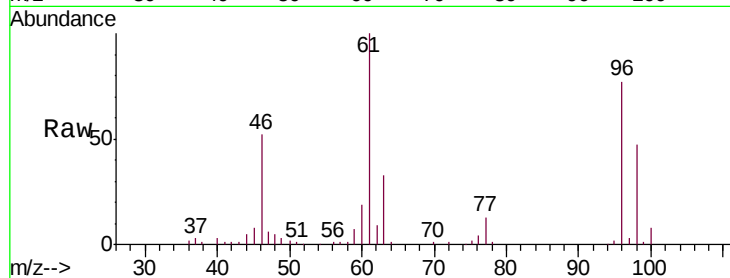


#20

cis-1,2-Dichloroethene
Concen: 9.504 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU032009.D
Acq: 14 May 2019 20:58

Instrument :
MSVOA_U
ClientSampleId :
DB896

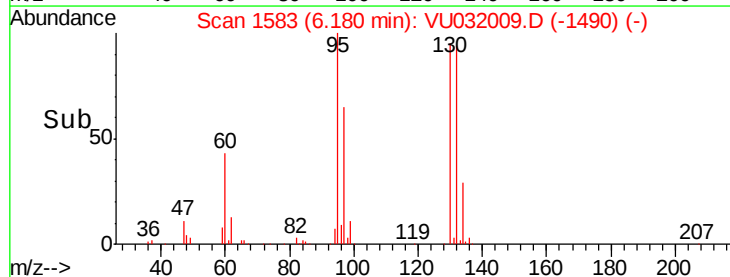
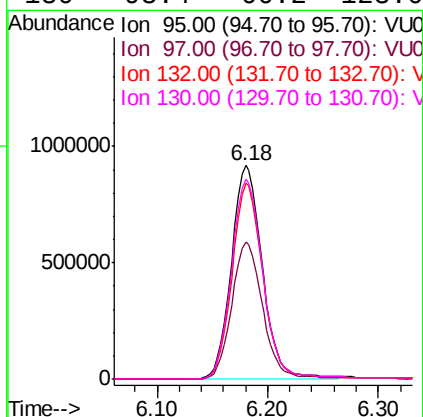
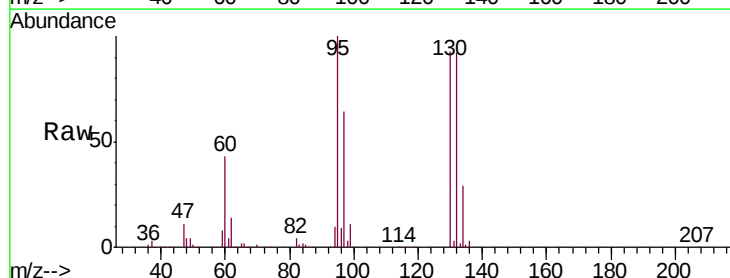
Tgt Ion: 96 Resp: 88388
Ion Ratio Lower Upper
96 100
61 130.5 93.0 172.8
68 0.0 0.0 0.0

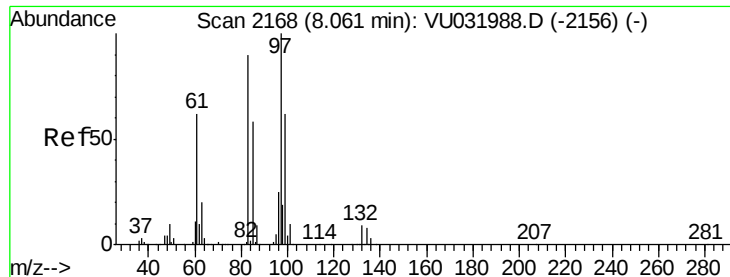


#34

Trichloroethene
Concen: 205.081 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VU032009.D
Acq: 14 May 2019 20:58

Tgt Ion: 95 Resp: 1790125
Ion Ratio Lower Upper
95 100
97 64.2 44.9 83.3
132 91.9 63.5 117.9
130 93.4 66.2 123.0

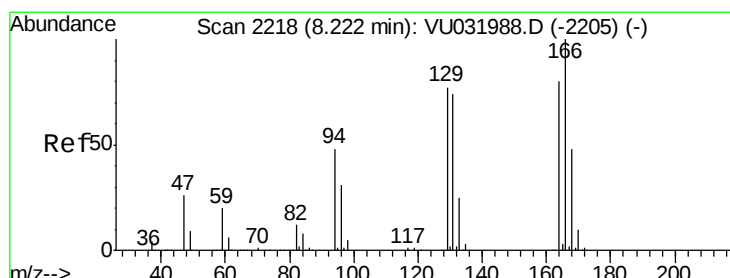
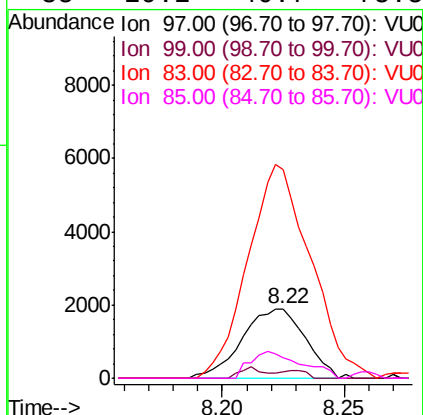
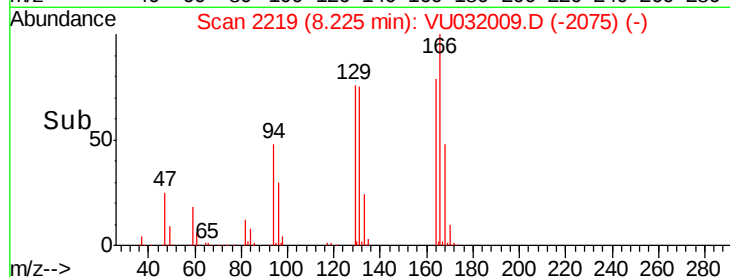
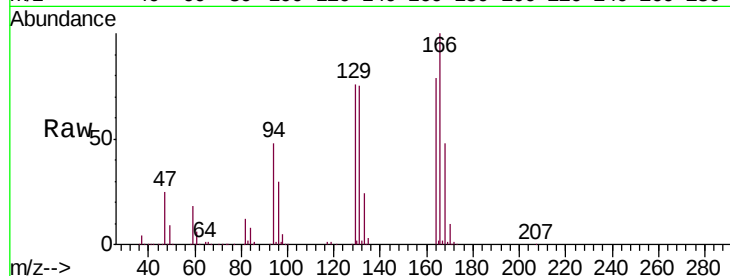




#45
1,1,2-Trichloroethane
Concen: 0.391 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.16 min
Lab File: VU032009.D
Acq: 14 May 2019 20:58

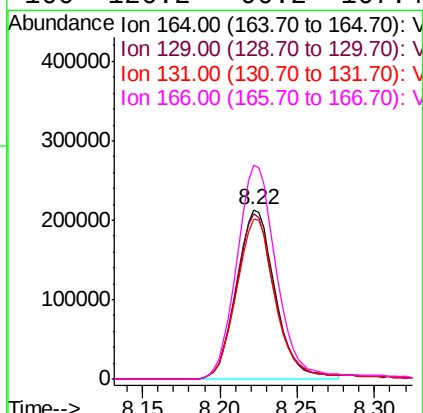
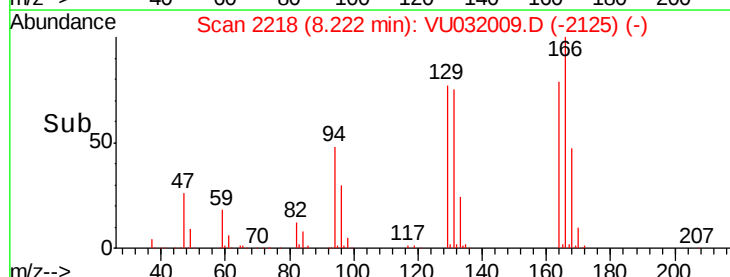
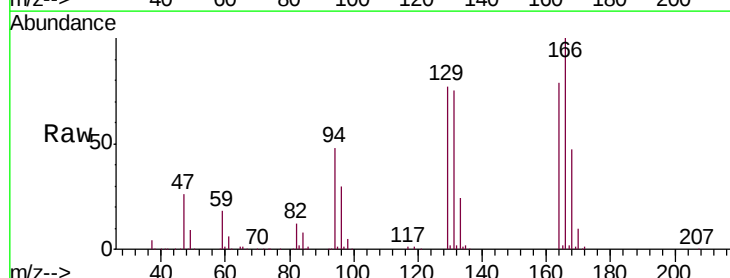
Instrument :
MSVOA_U
ClientSampleId :
DB896

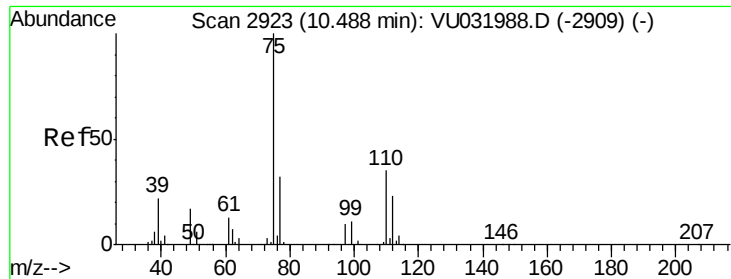
Tgt Ion: 97 Resp: 3395
Ion Ratio Lower Upper
97 100
99 8.7 44.4 82.4#
83 300.1 63.8 118.4#
85 29.2 40.7 75.5#



#46
Tetrachloroethene
Concen: 59.734 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU032009.D
Acq: 14 May 2019 20:58

Tgt Ion: 164 Resp: 368126
Ion Ratio Lower Upper
164 100
129 97.7 70.9 131.7
131 94.4 67.4 125.2
166 126.2 90.2 167.4





#59

1,2,3-Trichloropropane

Concen: 4.087 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032009.D

Acq: 14 May 2019 20:58

Instrument :

MSVOA_U

ClientSampleId :

DB896

Tgt Ion: 75 Resp: 50468

Ion Ratio Lower Upper

75 100

77 35.6 25.7 38.5

