

Data File : VU030839.D
Acq On : 07 Apr 2019 06:28
Operator : JC/SP
Sample : K2249-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E3YE3

Quant Time: Apr 08 07:11:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 07:03:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	436186	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	425056	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	167712	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	199700	51.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.58%
7) Chloroethane-d5	1.68	69	160459	54.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.60%
11) 1,1-Dichloroethene-d2	2.27	63	333328	47.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.66%
21) 2-Butanone-d5	4.17	46	318642	103.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.25%
24) Chloroform-d	4.64	84	313079	52.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.28%
26) 1,2-Dichloroethane-d4	5.31	65	219201	54.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.02%
32) Benzene-d6	5.33	84	633384	51.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.08%
36) 1,2-Dichloropropane-d6	6.32	67	225593	53.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.10%
41) Toluene-d8	7.56	98	513832	46.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.44%
43) trans-1,3-Dichloropropene-	7.85	79	83937	43.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.58%
47) 2-Hexanone-d5	8.31	63	180683	92.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.96%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	294821	51.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	178375	54.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.16%

Target Compounds

					Qvalue
9) Trichlorofluoromethane	1.88	101	5097	0.912 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2664	0.853 ug/L #	20
13) Acetone	2.32	43	15867	5.025 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	7091	2.215 ug/L	87
19) 1,1-Dichloroethane	3.44	63	552787	83.670 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	1082964	306.363 ug/L	100
25) Chloroform	4.67	83	21897	3.298 ug/L	97
27) 1,2-Dichloroethane	5.34	62	4628	0.913 ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	8312206	1604.630 ug/L	100
31) Carbon tetrachloride	4.91	117	1042983	233.647 ug/L	99
34) Trichloroethene	6.18	95	111452	32.669 ug/L	98
44) trans-1,3-Dichloropropene	7.85	75	3636	0.736 ug/L	87
45) 1,1,2-Trichloroethane	8.07	97	15922	4.767 ug/L	96
46) Tetrachloroethene	8.22	164	265124	106.891 ug/L	99
48) 2-Hexanone	8.36	43	7819	1.582 ug/L #	46
59) 1,2,3-Trichloropropane	11.48	75	21441	4.545 ug/L	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040719\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Mon Apr 08 07:03:53 2019
Response via : Initial Calibration

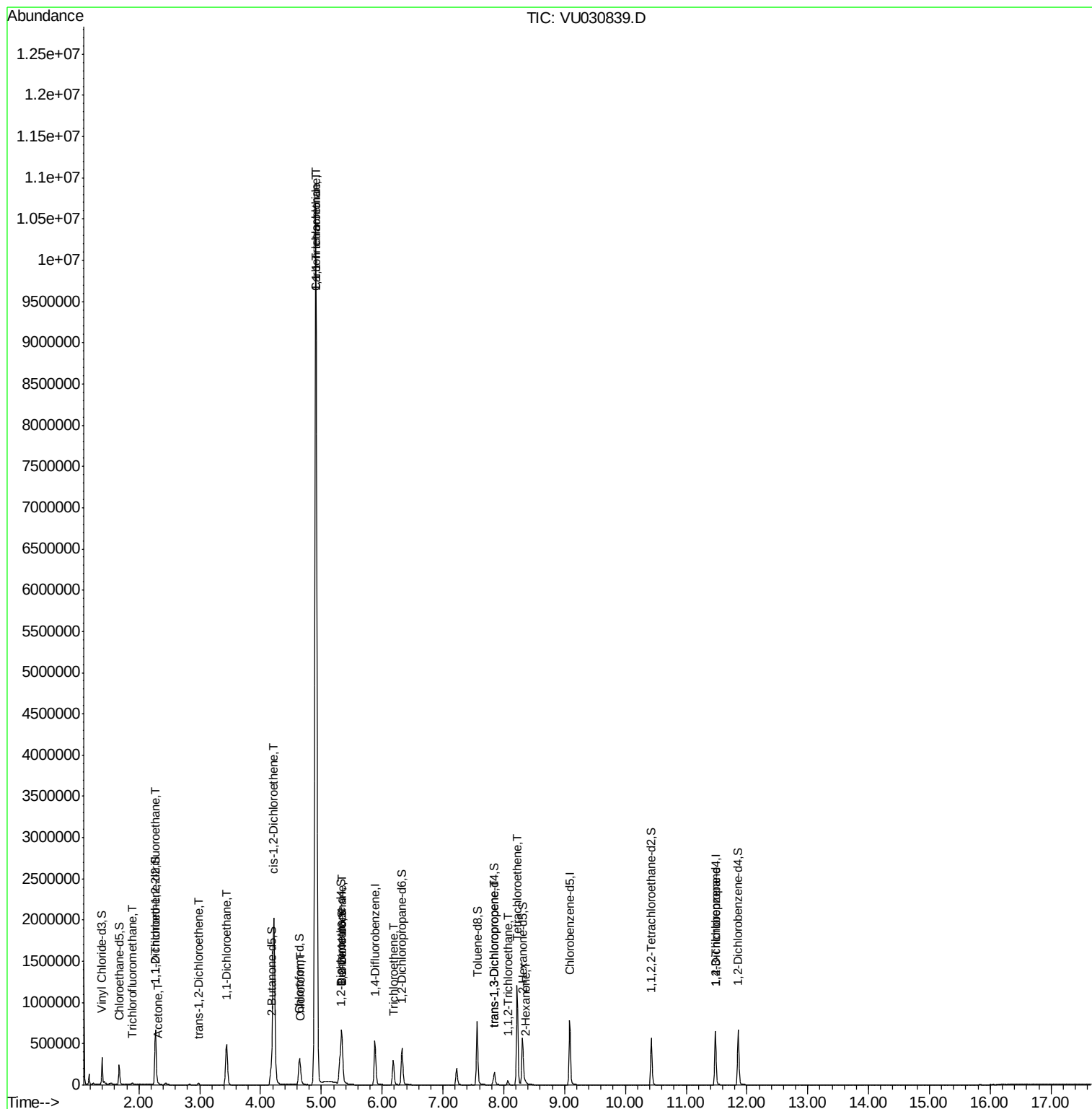
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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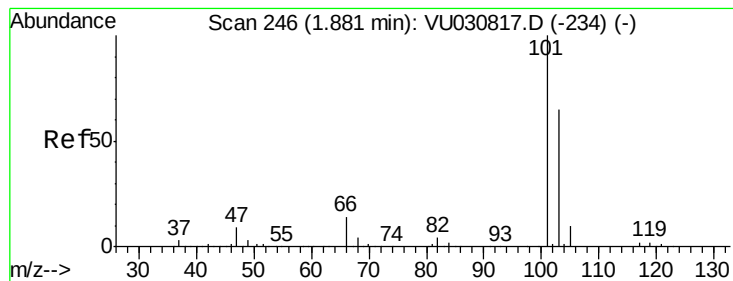
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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#9

Trichlorofluoromethane

Concen: 0.912 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU030839.D

Acq: 07 Apr 2019 06:28

Instrument :

MSVOA_U

ClientSampleId :

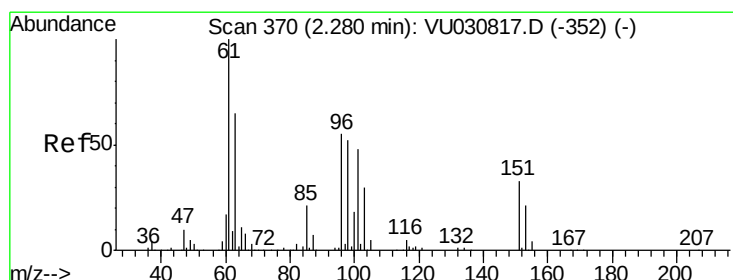
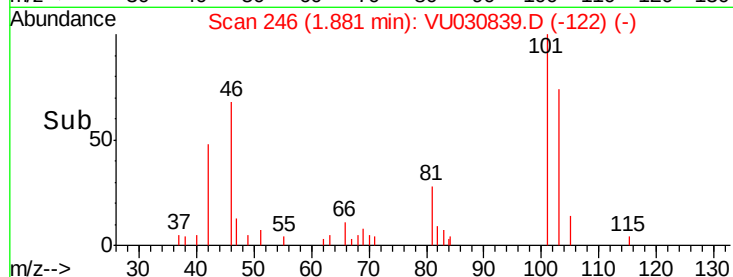
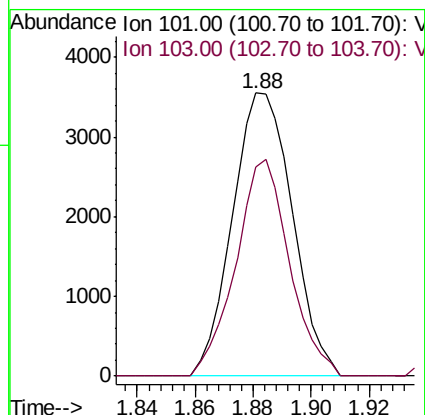
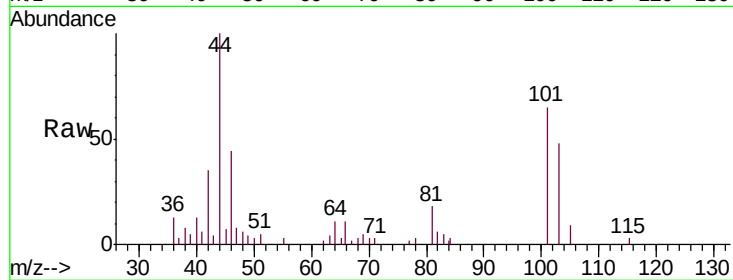
E3YE3

Tgt Ion:101 Resp: 5097

Ion Ratio Lower Upper

101 100

103 68.6 51.8 77.8



#10

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

Concen: 0.853 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030839.D

Acq: 07 Apr 2019 06:28

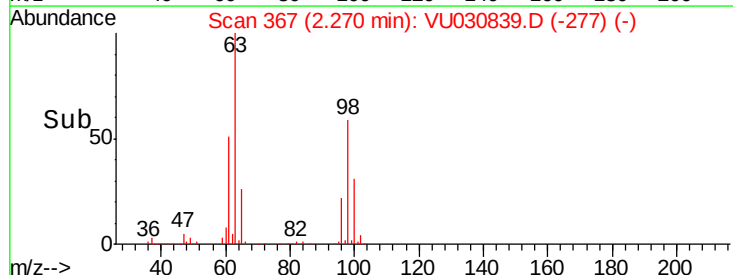
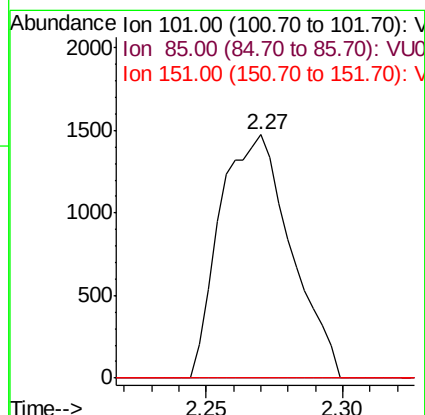
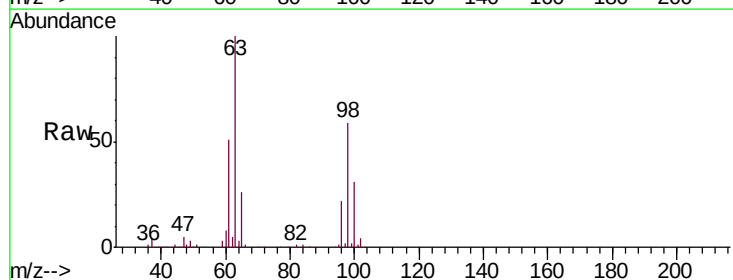
Tgt Ion:101 Resp: 2664

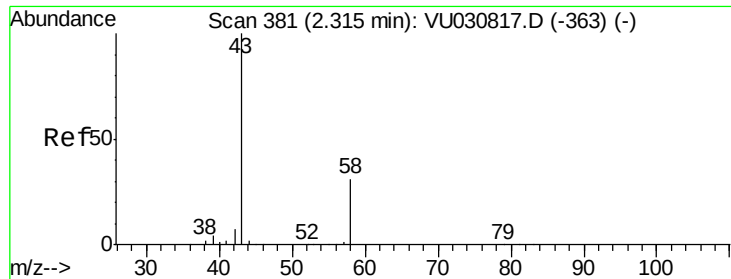
Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 0.0 57.4 86.0#





#13

Acetone

Concen: 5.025 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030839.D

Acq: 07 Apr 2019 06:28

Instrument :

MSVOA_U

ClientSampled :

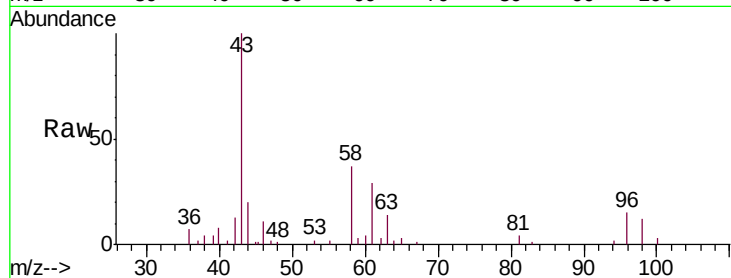
E3YE3

Tgt Ion: 43 Resp: 15867

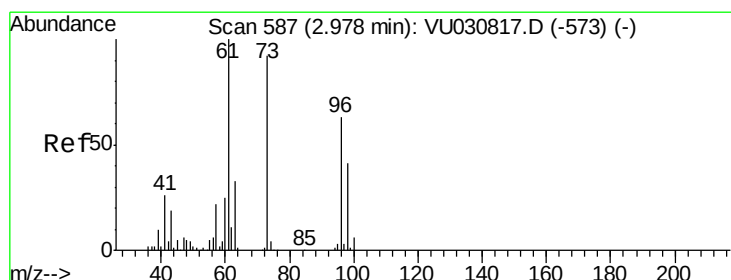
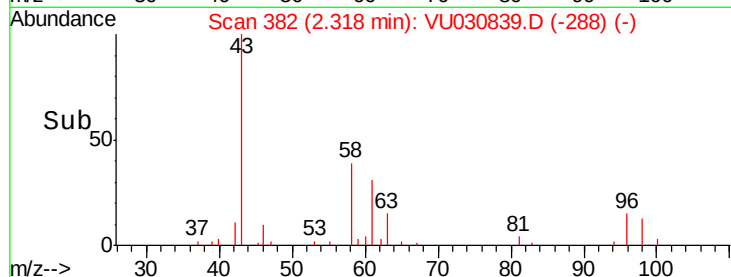
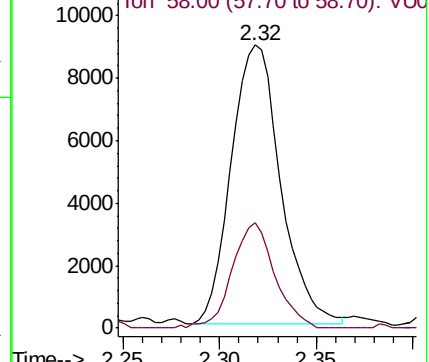
Ion Ratio Lower Upper

43 100

58 32.4 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU030839.D (-288) (-)



#17

trans-1,2-Dichloroethene

Concen: 2.215 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU030839.D

Acq: 07 Apr 2019 06:28

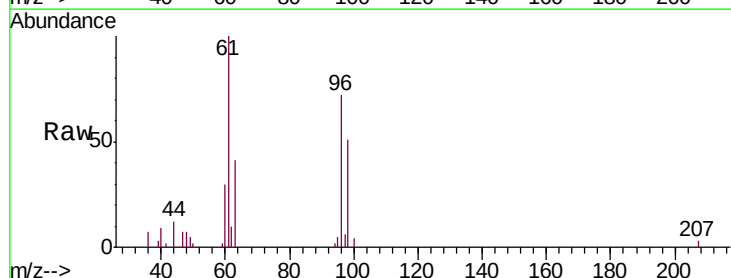
Tgt Ion: 96 Resp: 7091

Ion Ratio Lower Upper

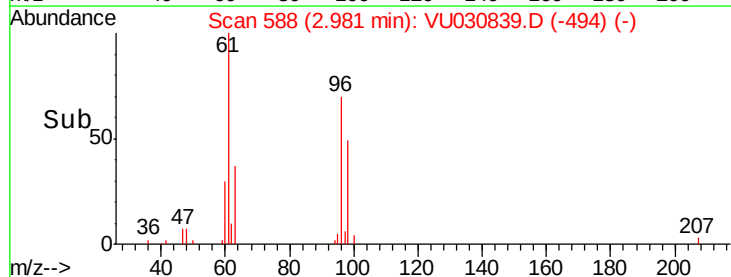
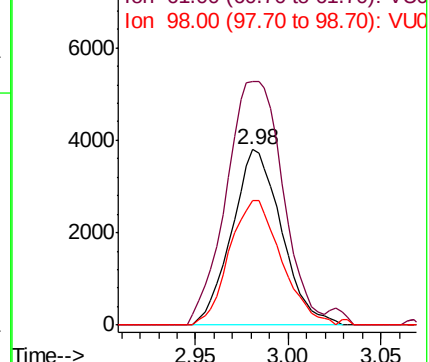
96 100

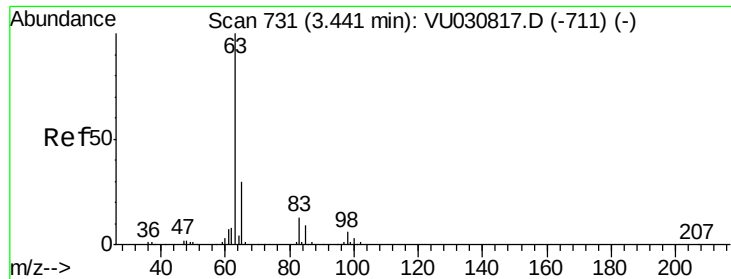
61 139.0 109.5 203.3

98 71.2 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU030839.D (-494) (-)

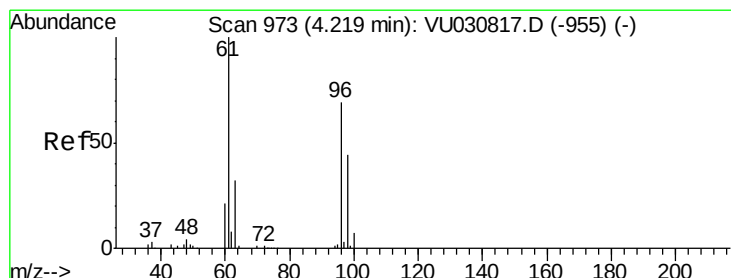
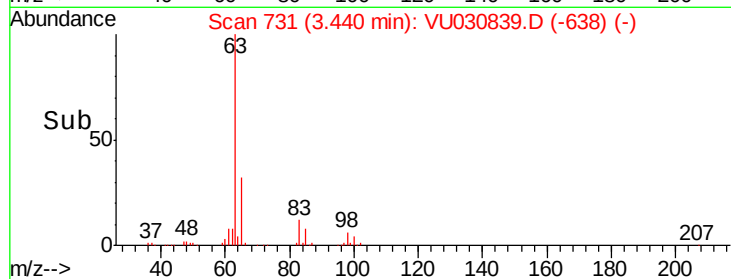
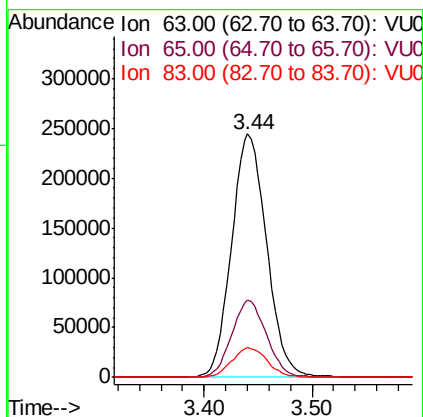
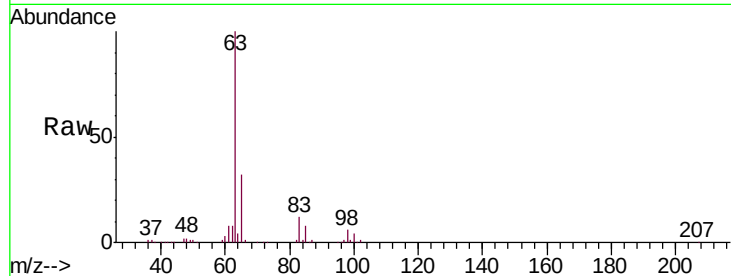




#19
 1,1-Dichloroethane
 Concen: 83.670 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU030839.D
 Acq: 07 Apr 2019 06:28

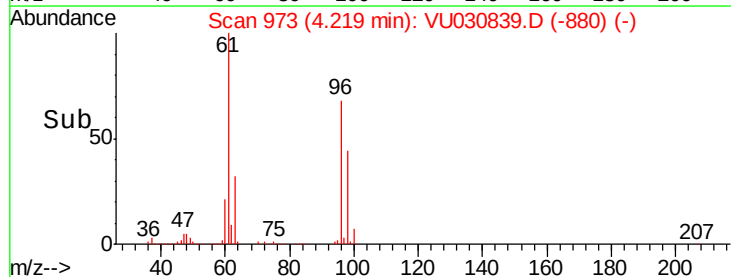
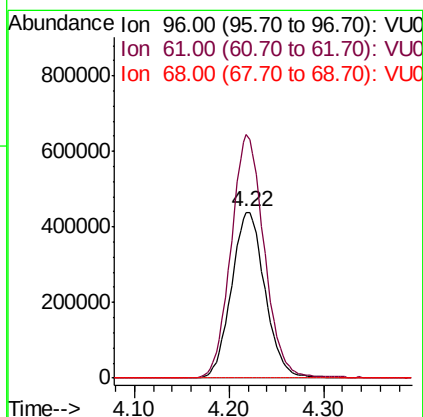
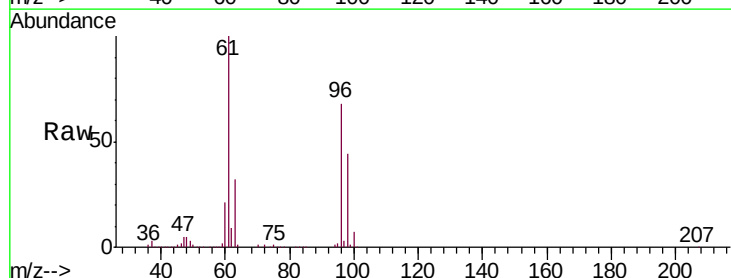
Instrument :
 MSVOA_U
 ClientSampled :
 E3YE3

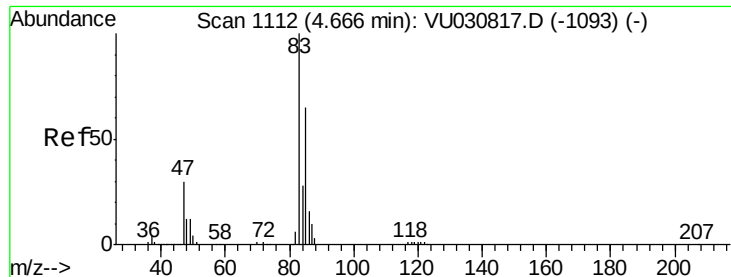
Tgt Ion: 63 Resp: 552787
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.4 39.8
 83 12.0 8.5 15.7



#20
 cis-1,2-Dichloroethene
 Concen: 306.363 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU030839.D
 Acq: 07 Apr 2019 06:28

Tgt Ion: 96 Resp: 1082964
 Ion Ratio Lower Upper
 96 100
 61 146.9 102.9 191.1
 68 0.0 0.0 0.0

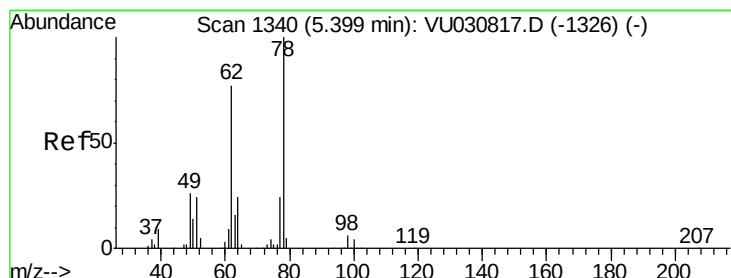
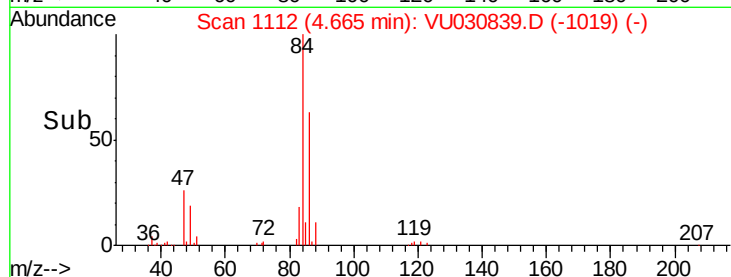
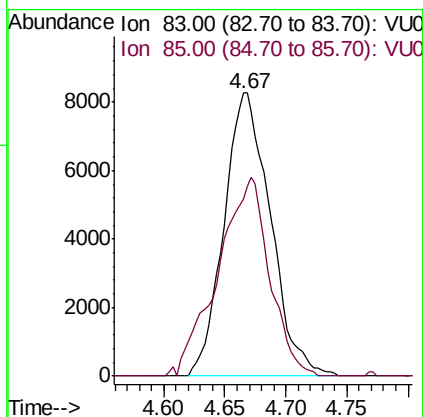
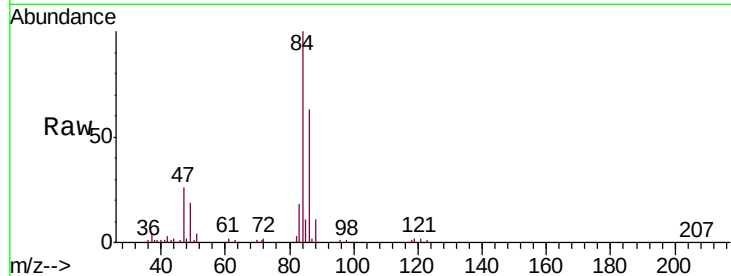




#25
Chloroform
Concen: 3.298 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU030839.D
Acq: 07 Apr 2019 06:28

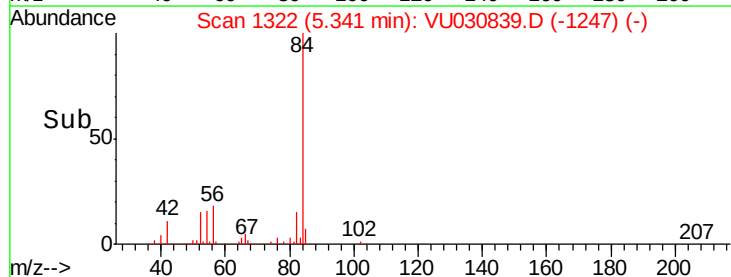
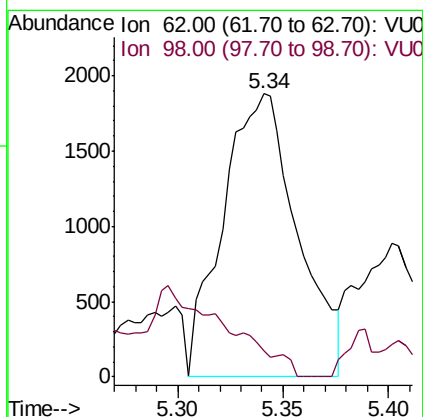
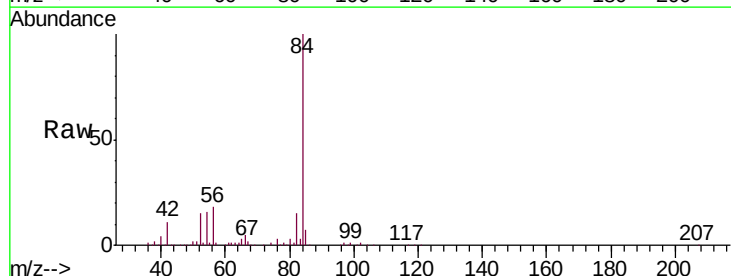
Instrument :
MSVOA_U
ClientSampleId :
E3YE3

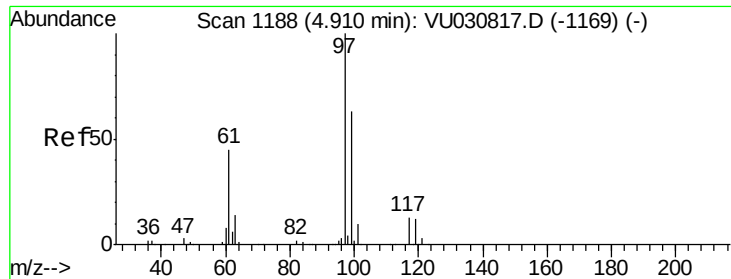
Tgt Ion: 83 Resp: 21897
Ion Ratio Lower Upper
83 100
85 62.8 45.8 85.0



#27
1,2-Dichloroethane
Concen: 0.913 ug/L
RT: 5.34 min Scan# 1322
Delta R.T. -0.06 min
Lab File: VU030839.D
Acq: 07 Apr 2019 06:28

Tgt Ion: 62 Resp: 4628
Ion Ratio Lower Upper
62 100
98 9.5 7.2 10.8

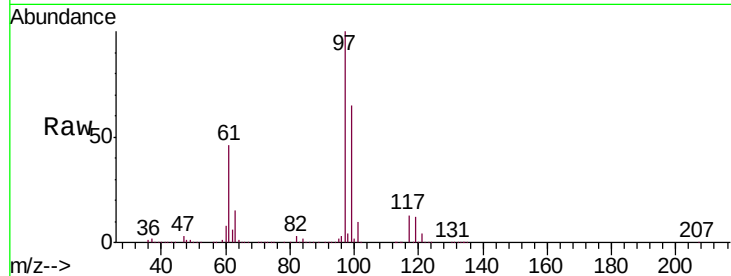




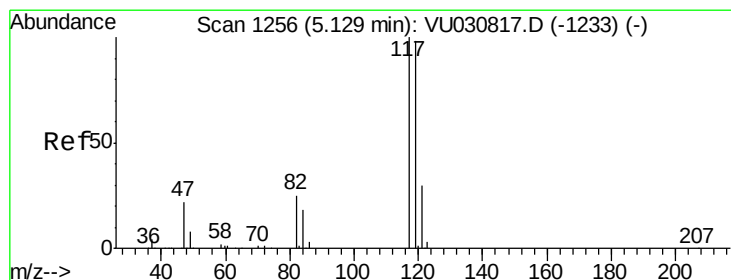
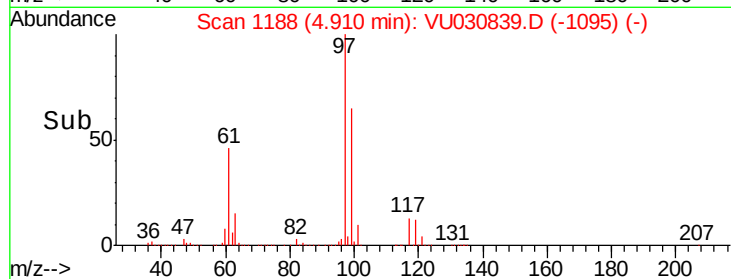
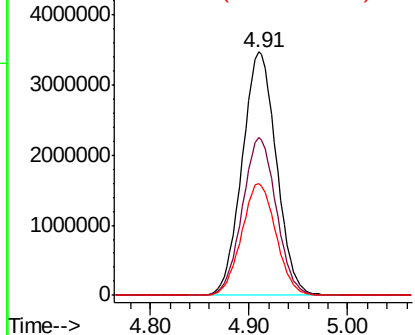
#30
 1,1,1-Trichloroethane
 Concen: 1604.630 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU030839.D
 Acq: 07 Apr 2019 06:28

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE3

Tgt Ion: 97 Resp: 8312206
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.4 77.2
 61 46.0 37.1 55.7

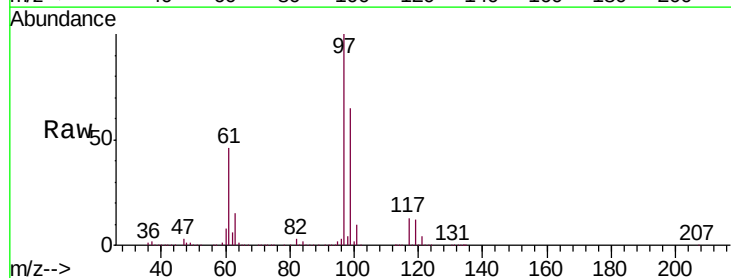


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

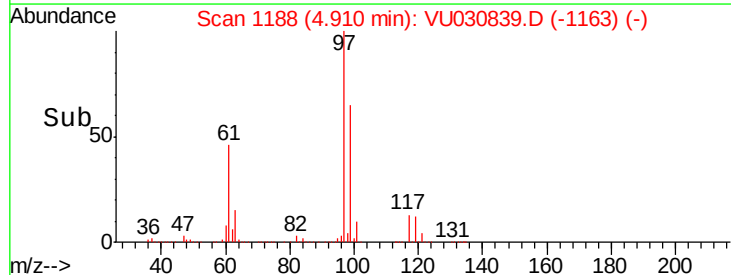
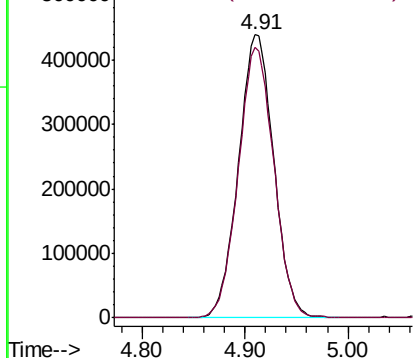


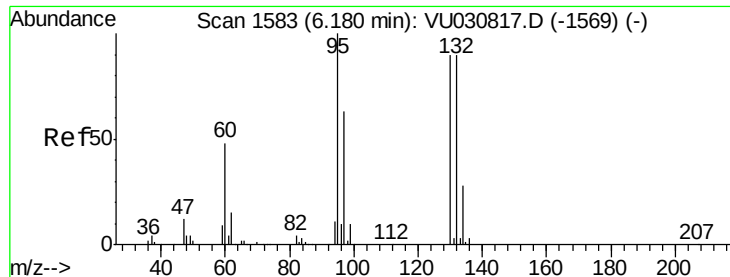
#31
 Carbon tetrachloride
 Concen: 233.647 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.22 min
 Lab File: VU030839.D
 Acq: 07 Apr 2019 06:28

Tgt Ion: 117 Resp: 1042983
 Ion Ratio Lower Upper
 117 100
 119 96.1 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#34

Trichloroethene

Concen: 32.669 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU030839.D

Acq: 07 Apr 2019 06:28

Instrument :

MSVOA_U

ClientSampleId :

E3YE3

Tgt Ion: 95 Resp: 111452

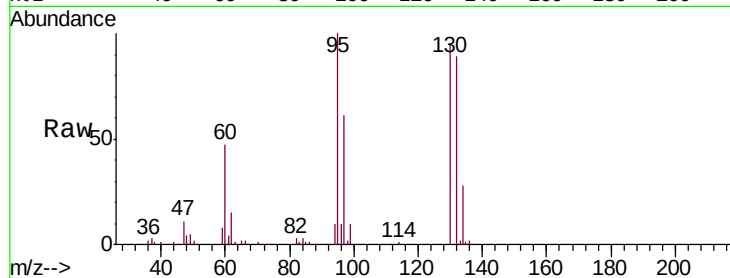
Ion Ratio Lower Upper

95 100

97 61.3 44.5 82.7

132 89.1 61.5 114.1

130 94.9 64.9 120.5

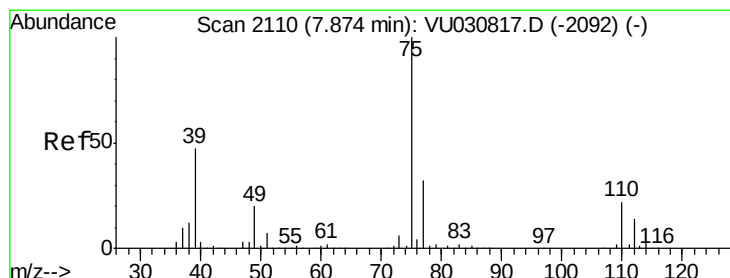
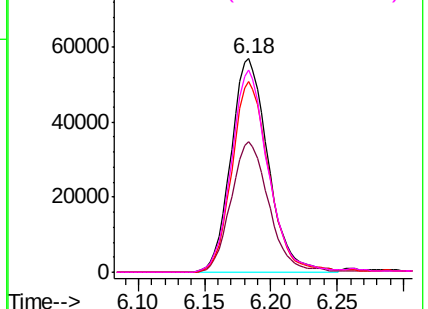
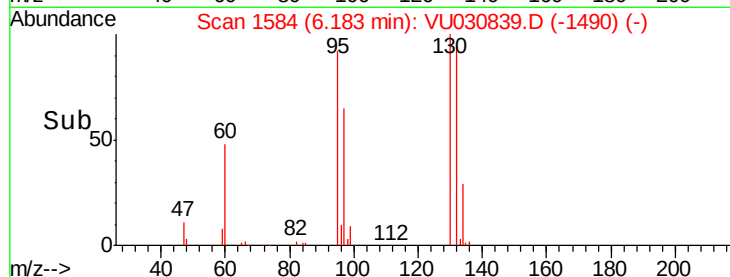


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#44

trans-1,3-Dichloropropene

Concen: 0.736 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030839.D

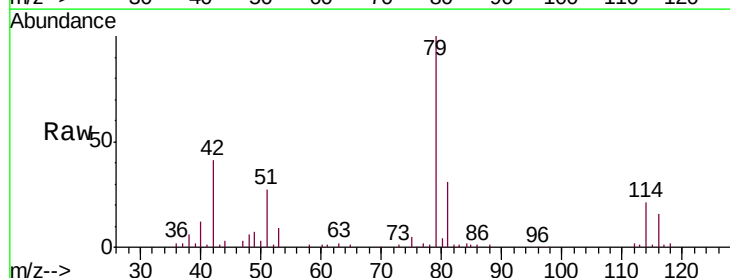
Acq: 07 Apr 2019 06:28

Tgt Ion: 75 Resp: 3636

Ion Ratio Lower Upper

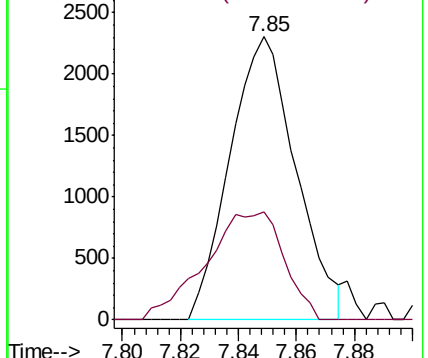
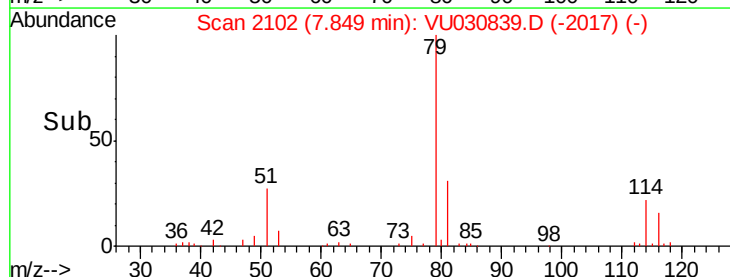
75 100

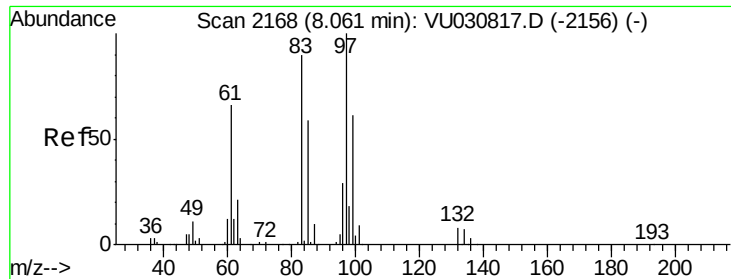
77 38.2 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

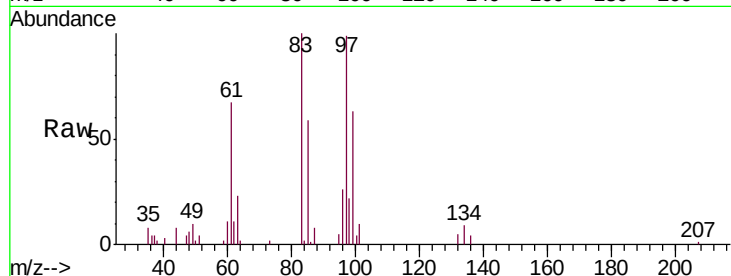




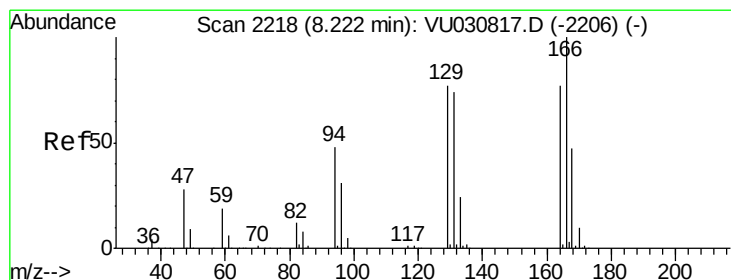
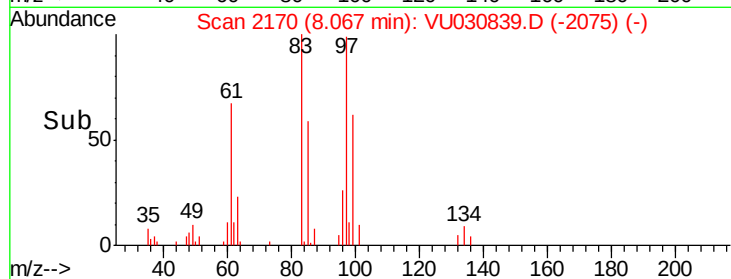
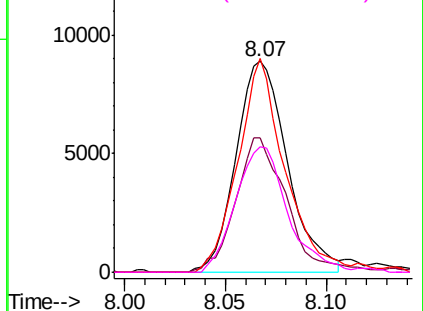
#45
 1,1,2-Trichloroethane
 Concen: 4.767 ug/L
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.01 min
 Lab File: VU030839.D
 Acq: 07 Apr 2019 06:28

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE3

Tgt Ion:	97	Resp:	15922
Ion	Ratio	Lower	Upper
97	100		
99	63.6	44.0	81.8
83	101.2	65.3	121.3
85	59.8	42.5	78.9

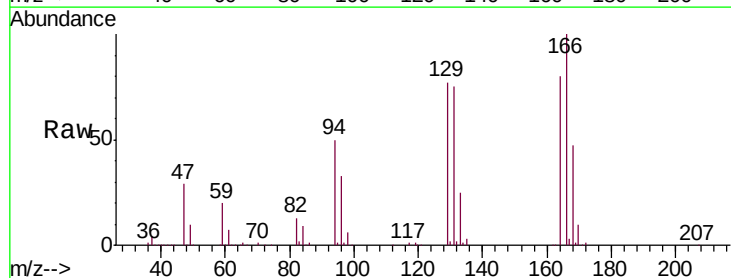


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

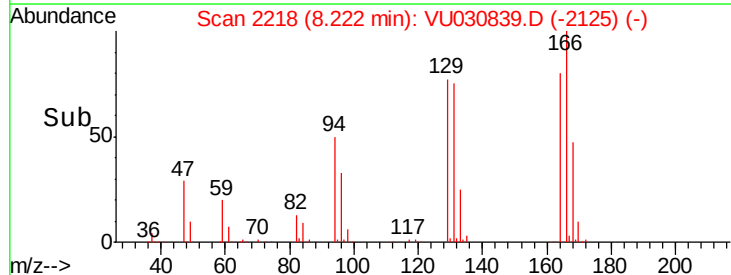
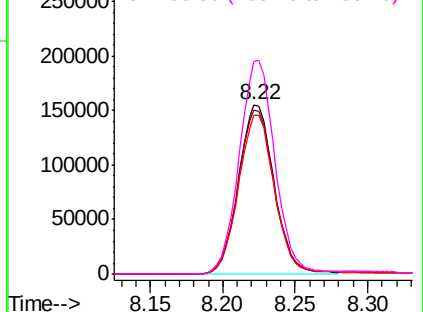


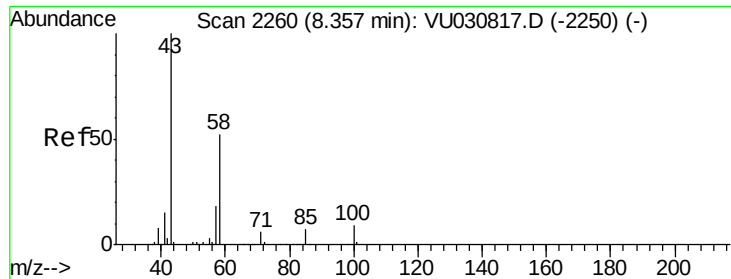
#46
 Tetrachloroethene
 Concen: 106.891 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU030839.D
 Acq: 07 Apr 2019 06:28

Tgt Ion:	164	Resp:	265124
Ion	Ratio	Lower	Upper
164	100		
129	97.1	67.4	125.2
131	93.6	65.9	122.5
166	125.3	88.6	164.6



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

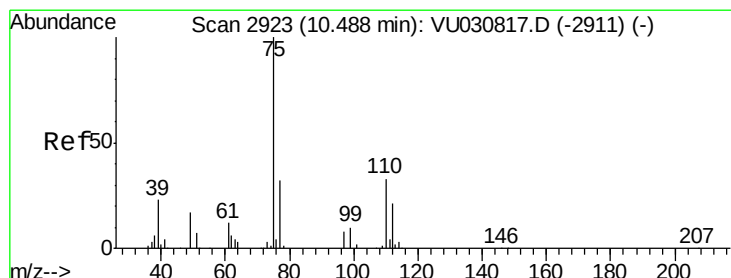
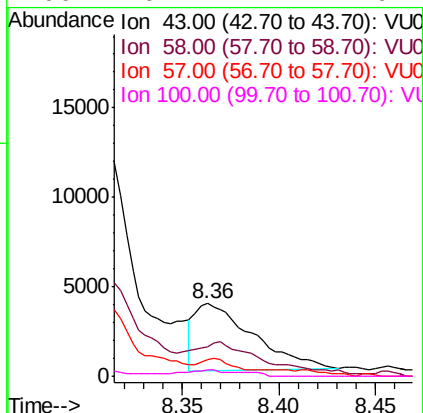
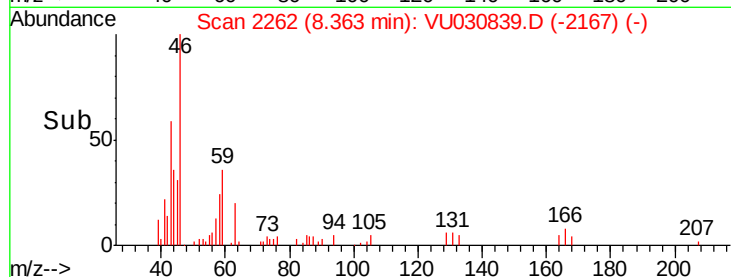
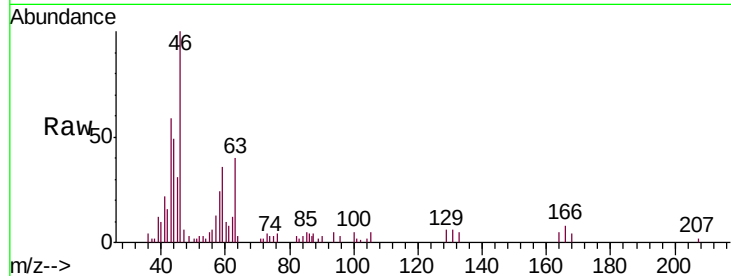




#48
2-Hexanone
Concen: 1.582 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU030839.D
Acq: 07 Apr 2019 06:28

Instrument :
MSVOA_U
ClientSampled :
E3YE3

Tgt Ion: 43 Resp: 7819
Ion Ratio Lower Upper
43 100
58 0.0 41.9 62.9#
57 9.2 14.3 21.5#
100 6.7 7.1 10.7#



#59
1,2,3-Trichloropropane
Concen: 4.545 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU030839.D
Acq: 07 Apr 2019 06:28

Tgt Ion: 75 Resp: 21441
Ion Ratio Lower Upper
75 100
77 38.3 26.1 39.1

