

Data File : VU031411.D
Acq On : 22 Apr 2019 23:39
Operator : JC/SP
Sample : K2477-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0X52

Quant Time: Apr 23 04:07:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 04:02:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	622649	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	591229	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	277274	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	271529	53.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.64%
7) Chloroethane-d5	1.68	69	214691	55.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.78%
11) 1,1-Dichloroethene-d2	2.27	63	385667	43.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.88%
21) 2-Butanone-d5	4.19	46	440781	116.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.85%
24) Chloroform-d	4.64	84	429510	53.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.84%
26) 1,2-Dichloroethane-d4	5.31	65	249587	51.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.64%
32) Benzene-d6	5.34	84	894885	52.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	6.33	67	290253	52.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.62%
41) Toluene-d8	7.56	98	873449	57.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.52%
43) trans-1,3-Dichloropropene-	7.85	79	143398	57.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	114.52%
47) 2-Hexanone-d5	8.31	63	302132	109.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	385730	51.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	292844	51.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.34%

Target Compounds

						Qvalue
9) Trichlorofluoromethane	1.88	101	1635842	246.108	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3549	0.920	ug/L #	23
12) 1,1-Dichloroethene	2.28	96	8060	2.125	ug/L #	1
13) Acetone	2.34	43	2920	0.986	ug/L	67
17) trans-1,2-Dichloroethene	2.98	96	10340	2.643	ug/L	87
20) cis-1,2-Dichloroethene	4.22	96	138138	31.120	ug/L	95
25) Chloroform	4.67	83	25048	3.398	ug/L	95
27) 1,2-Dichloroethane	5.41	62	8633	1.570	ug/L #	87
31) Carbon tetrachloride	5.13	117	25015	4.635	ug/L	98
42) Toluene	7.64	91	7254	0.409	ug/L	94
44) trans-1,3-Dichloropropene	7.85	75	5071	0.862	ug/L	85
45) 1,1,2-Trichloroethane	8.07	97	12324	2.944	ug/L	90
46) Tetrachloroethene	8.23	164	2857665	889.202	ug/L	98
51) Chlorobenzene	9.12	112	12983	1.178	ug/L	96
69) Naphthalene	13.75	128	58689	3.509	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Quantitation Report (Not Reviewed)

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 04:02:06 2019
Response via : Initial Calibration

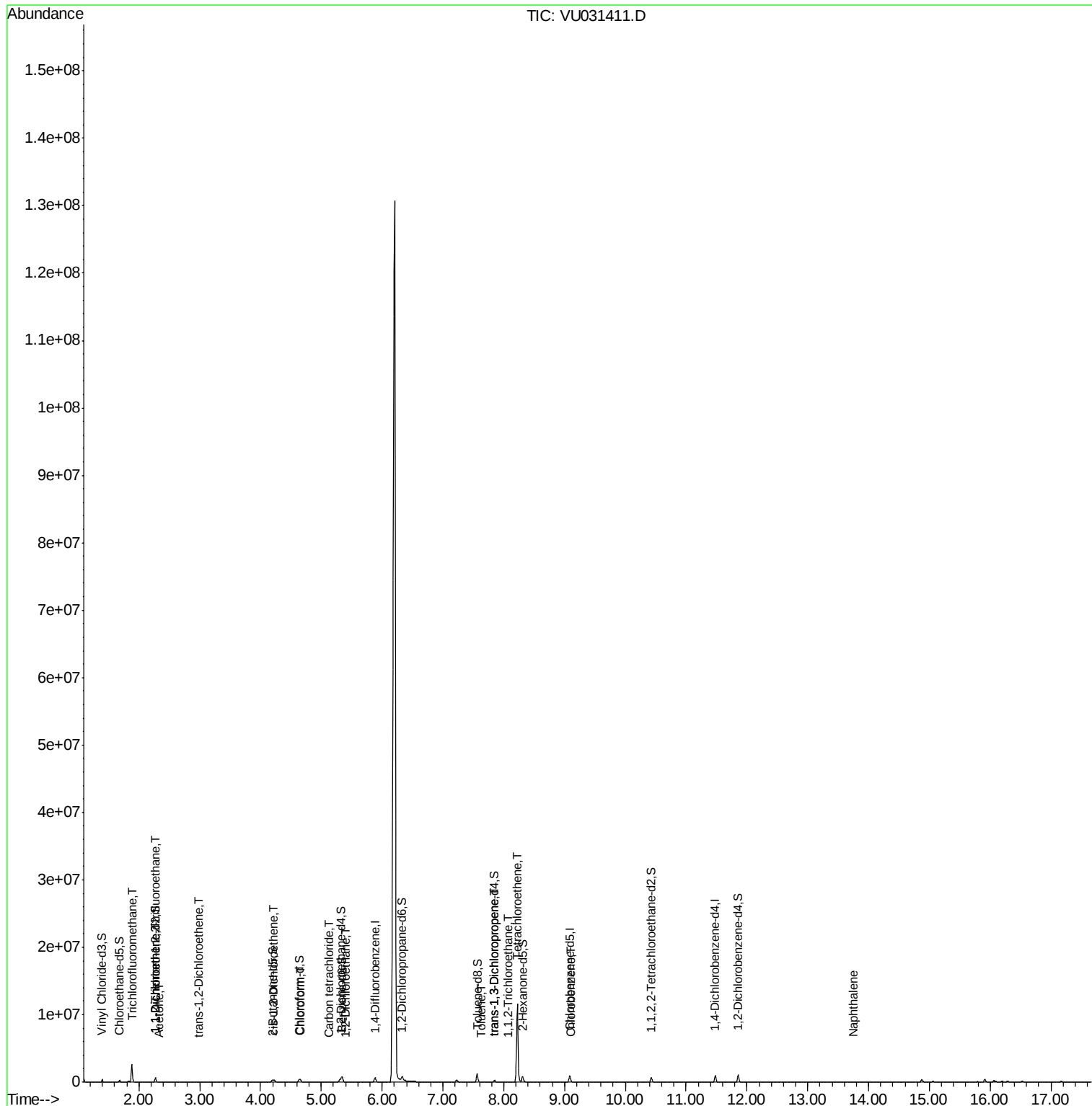
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

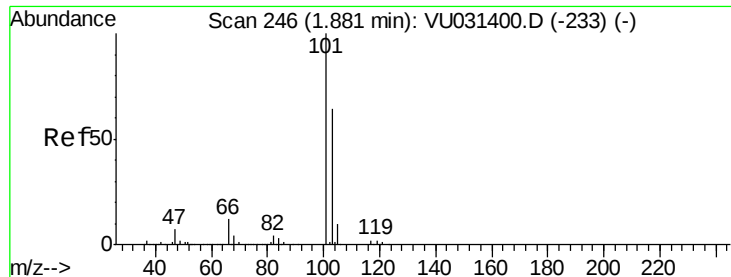
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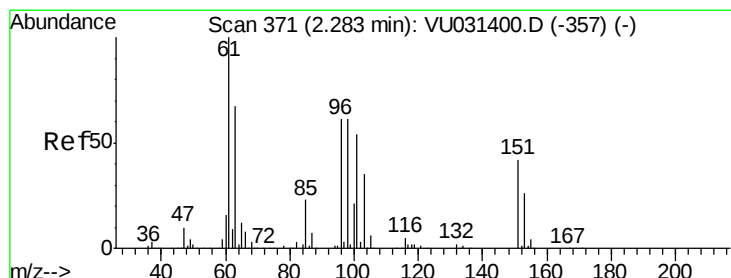
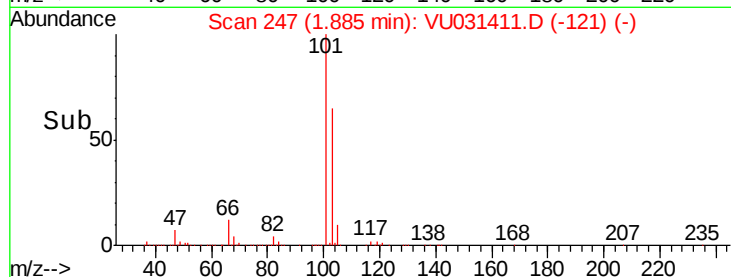
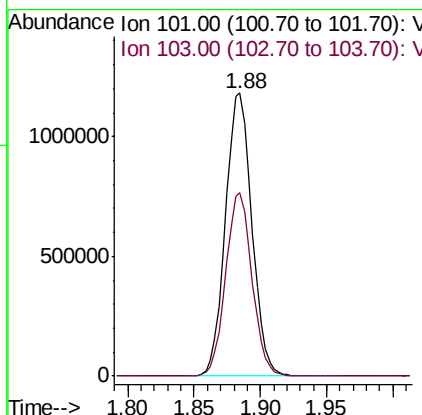
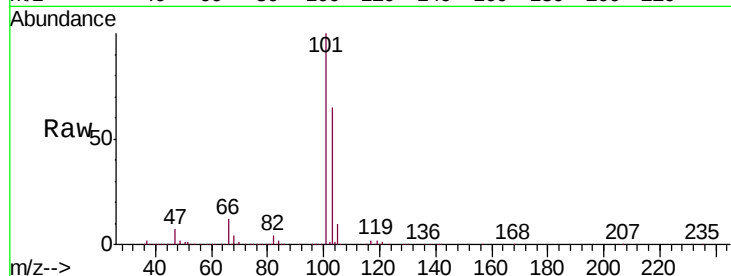


#9

Trichlorofluoromethane
 Concen: 246.108 ug/L
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU031411.D
 Acq: 22 Apr 2019 23:39

Instrument :
 MSVOA_U
 ClientSampled :
 C0X52

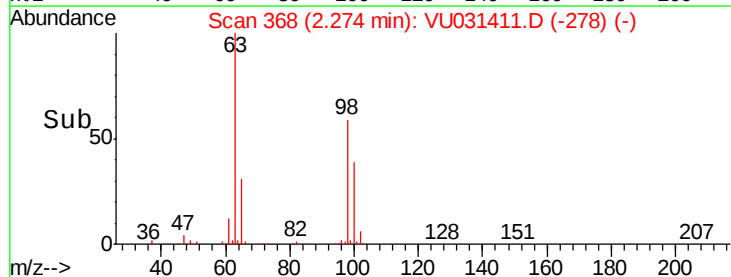
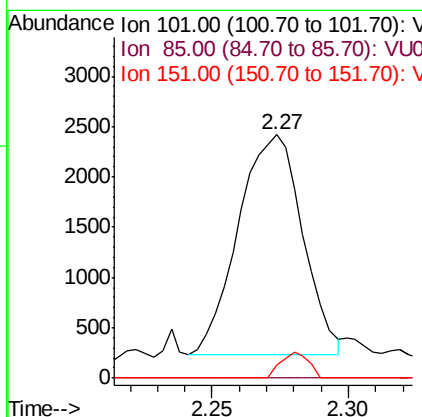
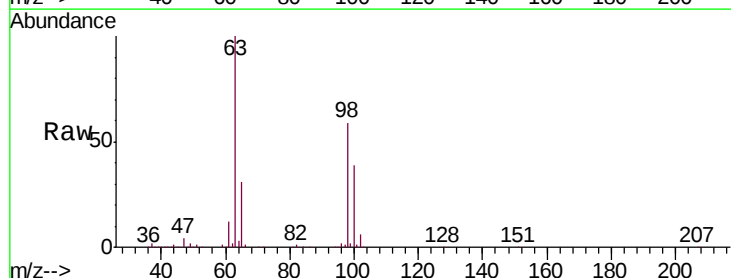
Tgt Ion:101 Resp: 1635842
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.4 77.2

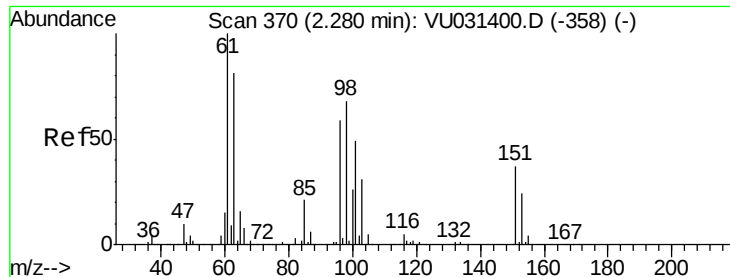


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.920 ug/L
 RT: 2.27 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VU031411.D
 Acq: 22 Apr 2019 23:39

Tgt Ion:101 Resp: 3549
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.1 49.7#
 151 5.0 61.4 92.0#

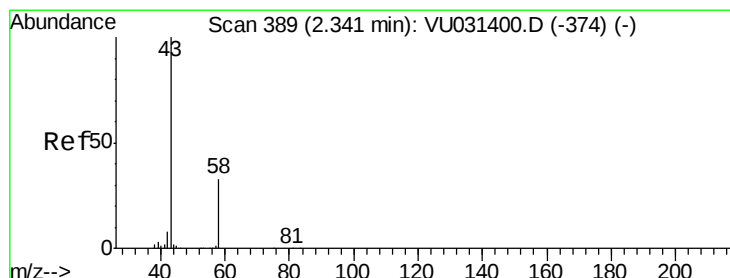
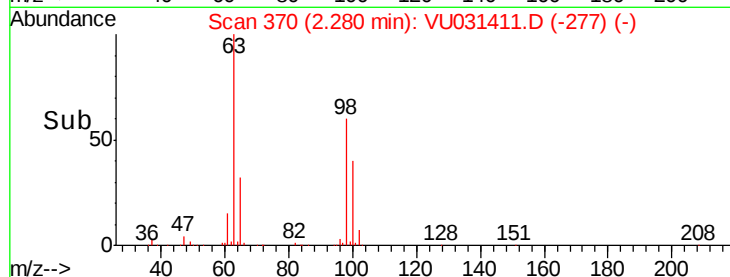
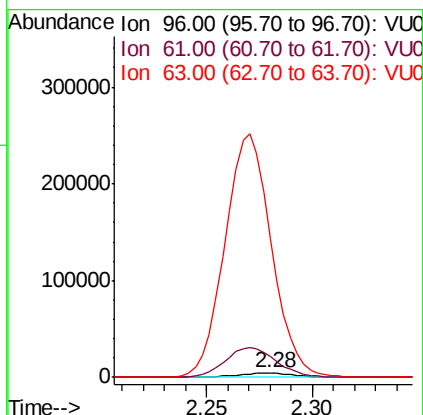
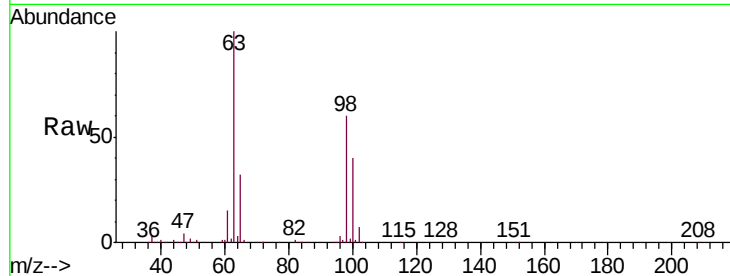




#12
 1,1-Dichloroethene
 Concen: 2.125 ug/L
 RT: 2.28 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: VU031411.D
 Acq: 22 Apr 2019 23:39

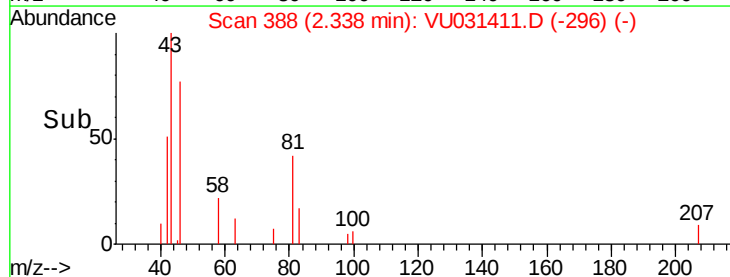
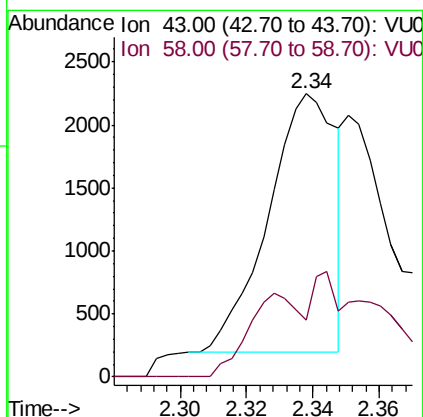
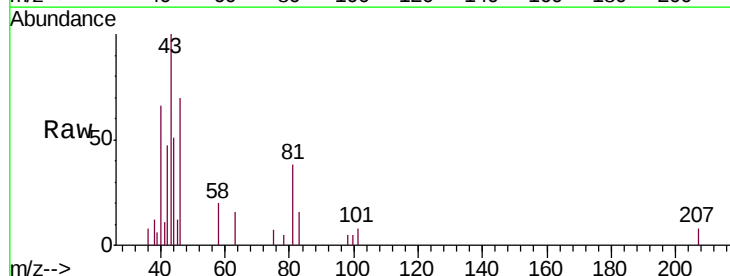
Instrument :
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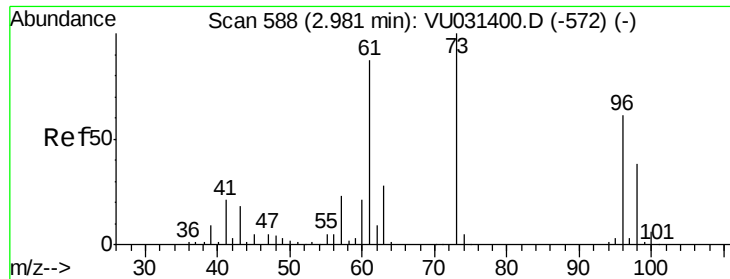
Tgt Ion: 96 Resp: 8060
 Ion Ratio Lower Upper
 96 100
 61 464.0 118.9 220.9#
 63 3172.4 99.3 184.3#



#13
 Acetone
 Concen: 0.986 ug/L
 RT: 2.34 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VU031411.D
 Acq: 22 Apr 2019 23:39

Tgt Ion: 43 Resp: 2920
 Ion Ratio Lower Upper
 43 100
 58 14.2 0.0 66.4





#17

trans-1,2-Dichloroethene

Concen: 2.643 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU031411.D

Acq: 22 Apr 2019 23:39

Instrument :

MSVOA_U

ClientSampleId :

C0X52

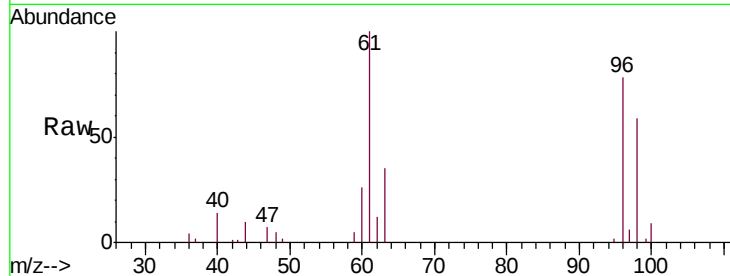
Tgt Ion: 96 Resp: 10340

Ion Ratio Lower Upper

96 100

61 128.1 100.3 186.3

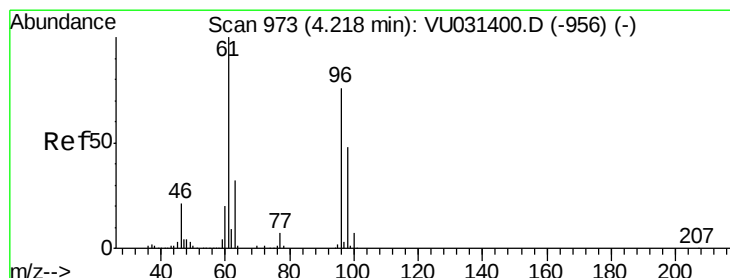
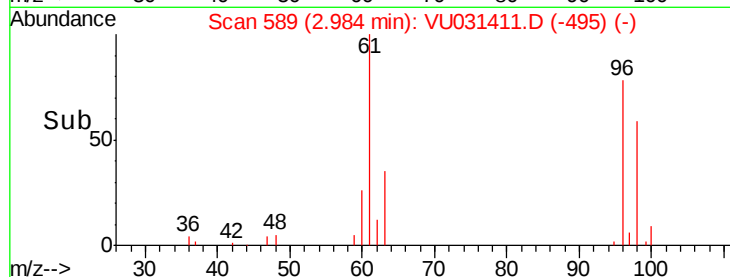
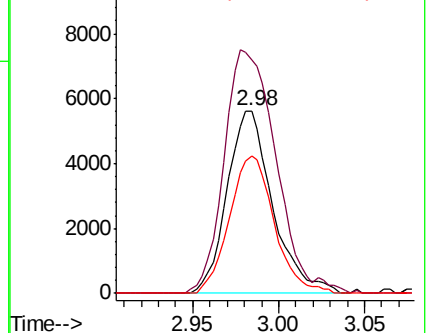
98 75.3 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU031400.D (-572) (-)

Ion 61.00 (60.70 to 61.70): VU031400.D (-572) (-)

Ion 98.00 (97.70 to 98.70): VU031400.D (-572) (-)



#20

cis-1,2-Dichloroethene

Concen: 31.120 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU031411.D

Acq: 22 Apr 2019 23:39

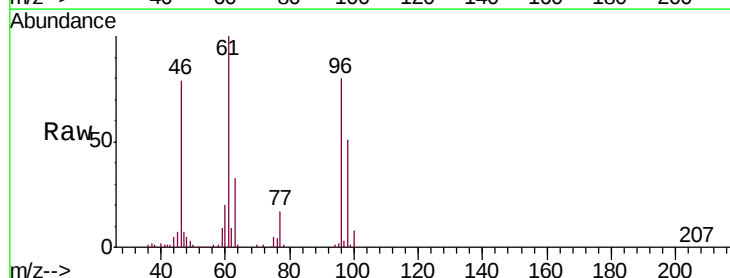
Tgt Ion: 96 Resp: 138138

Ion Ratio Lower Upper

96 100

61 125.1 91.9 170.7

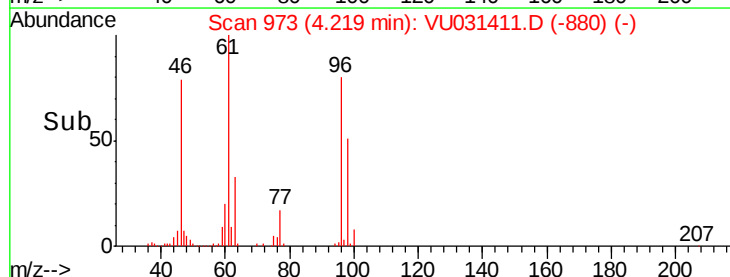
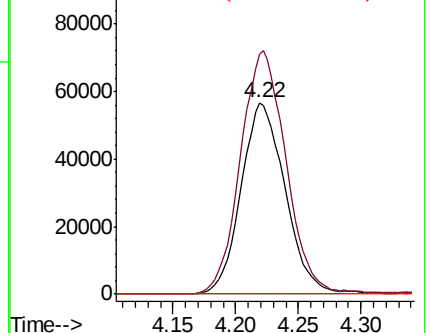
68 0.0 0.0 0.0

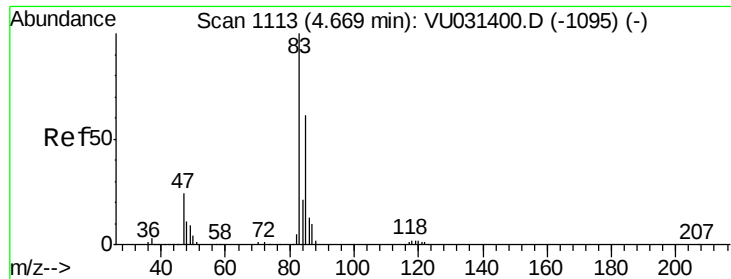


Abundance Ion 96.00 (95.70 to 96.70): VU031400.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU031400.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU031400.D (-956) (-)

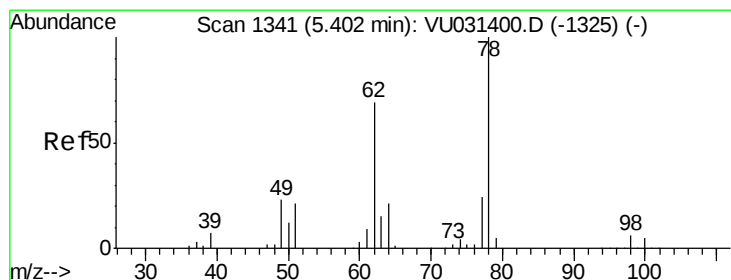
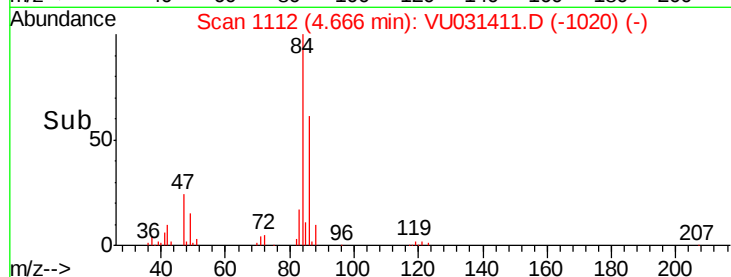
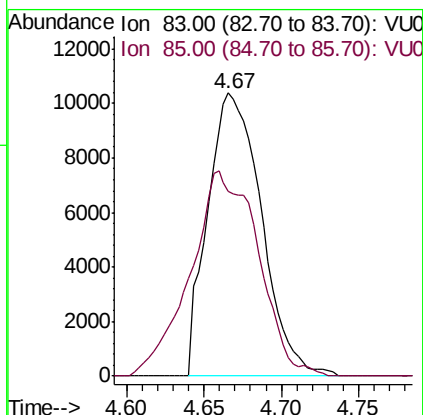
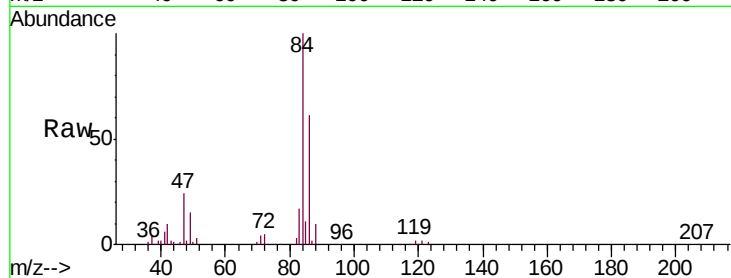




#25
Chloroform
Concen: 3.398 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU031411.D
Acq: 22 Apr 2019 23:39

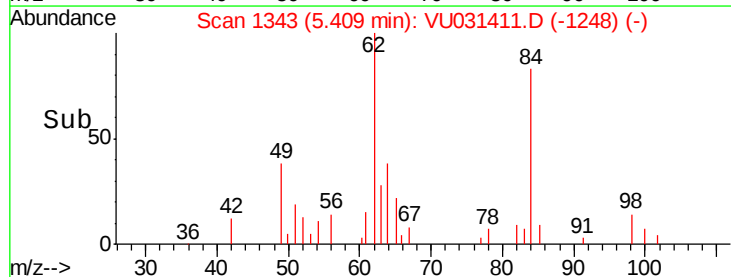
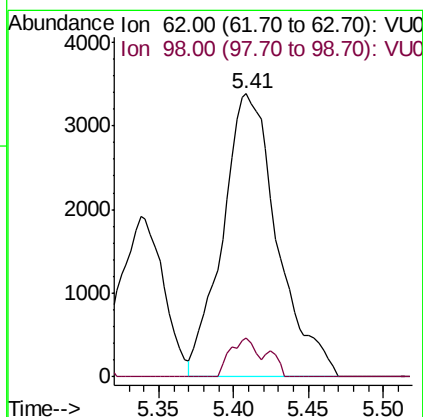
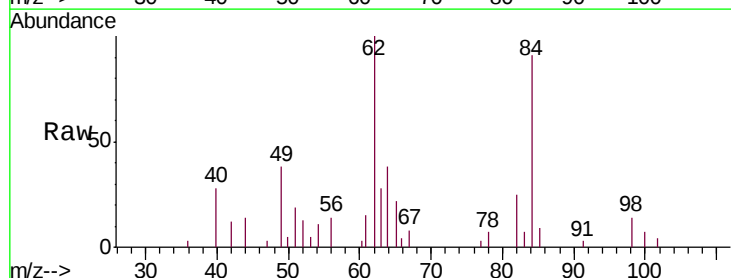
Instrument :
MSVOA_U
ClientSampleId :
C0X52

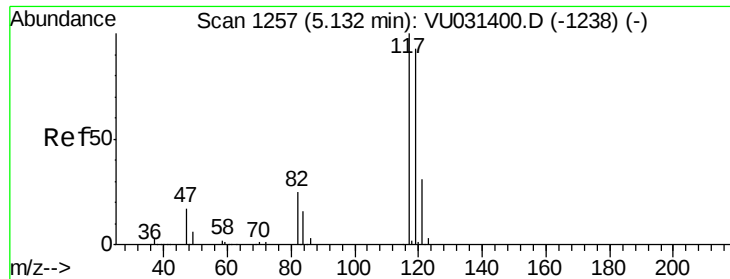
Tgt Ion: 83 Resp: 25048
Ion Ratio Lower Upper
83 100
85 65.5 43.0 79.8



#27
1,2-Dichloroethane
Concen: 1.570 ug/L
RT: 5.41 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VU031411.D
Acq: 22 Apr 2019 23:39

Tgt Ion: 62 Resp: 8633
Ion Ratio Lower Upper
62 100
98 13.7 7.3 10.9#

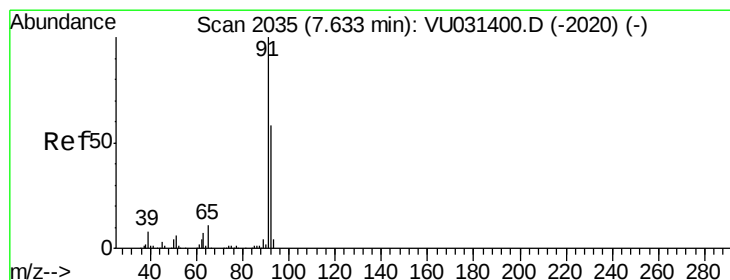
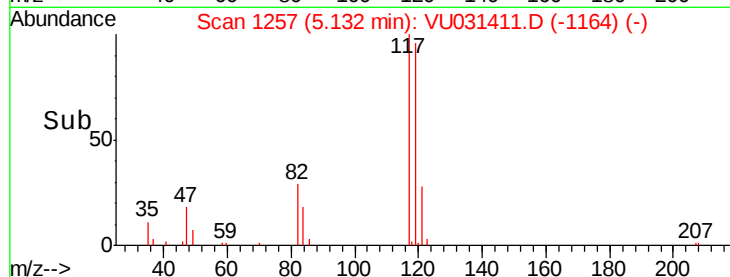
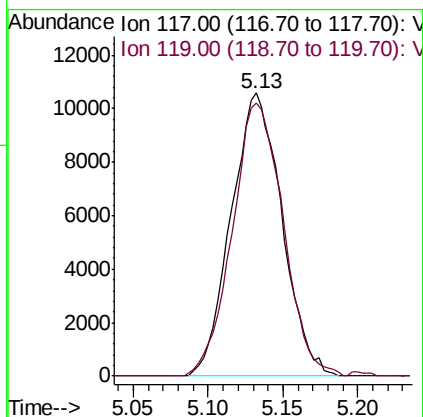
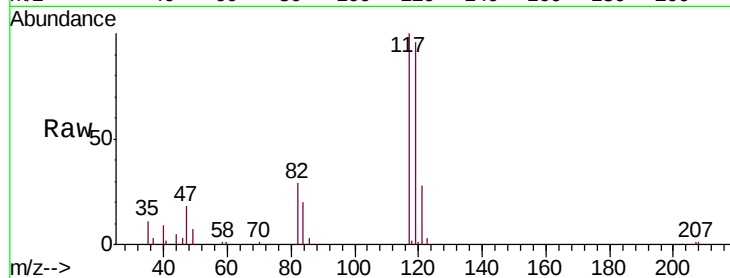




#31
Carbon tetrachloride
Concen: 4.635 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VU031411.D
Acq: 22 Apr 2019 23:39

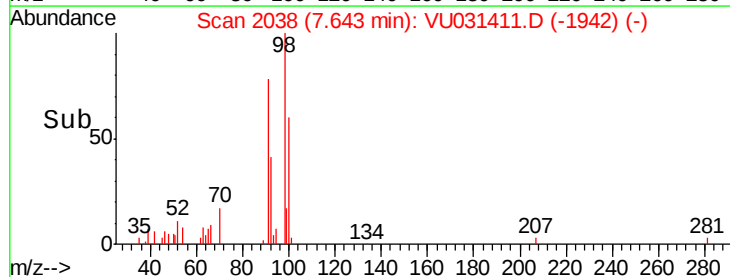
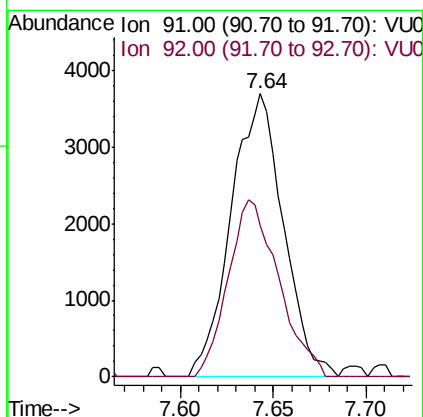
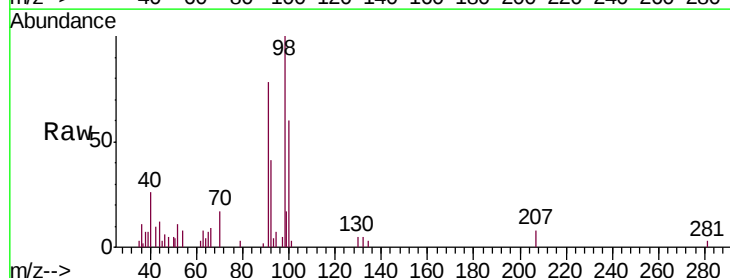
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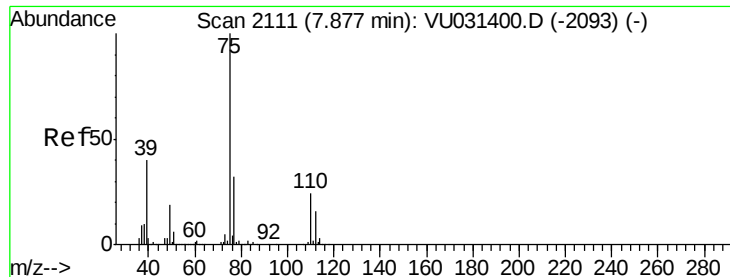
Tgt Ion:117 Resp: 25015
Ion Ratio Lower Upper
117 100
119 96.9 76.2 114.4



#42
Toluene
Concen: 0.409 ug/L
RT: 7.64 min Scan# 2038
Delta R.T. 0.01 min
Lab File: VU031411.D
Acq: 22 Apr 2019 23:39

Tgt Ion: 91 Resp: 7254
Ion Ratio Lower Upper
91 100
92 53.3 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 0.862 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU031411.D

Acq: 22 Apr 2019 23:39

Instrument :

MSVOA_U

ClientSampleId :

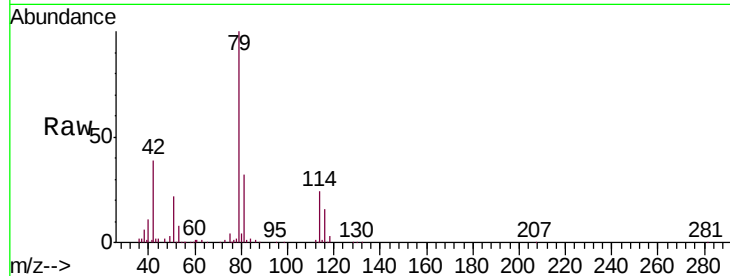
C0X52

Tgt Ion: 75 Resp: 5071

Ion Ratio Lower Upper

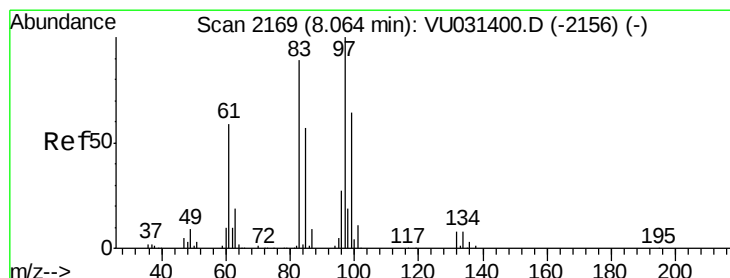
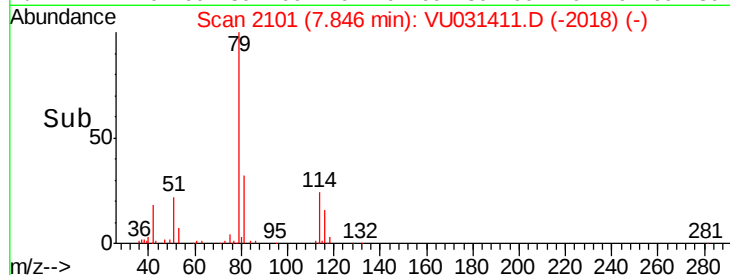
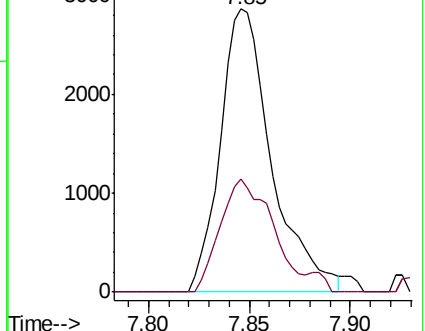
75 100

77 40.0 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU031411.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU031411.D (-2093) (-)



#45

1,1,2-Trichloroethane

Concen: 2.944 ug/L

RT: 8.07 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU031411.D

Acq: 22 Apr 2019 23:39

Tgt Ion: 97 Resp: 12324

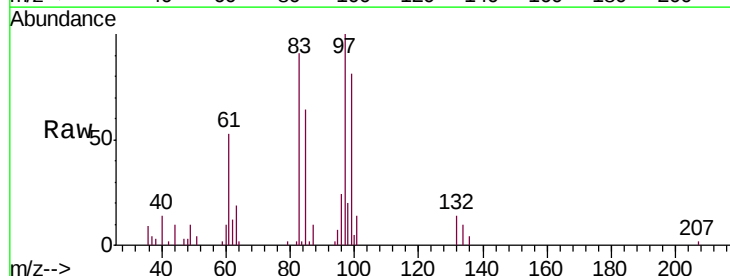
Ion Ratio Lower Upper

97 100

99 80.6 44.9 83.3

83 91.2 62.5 116.1

85 63.7 39.6 73.6

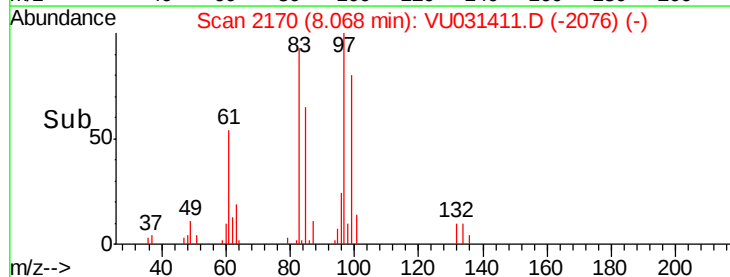
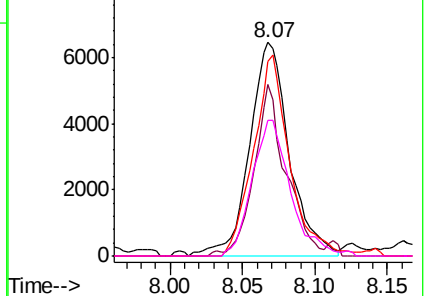


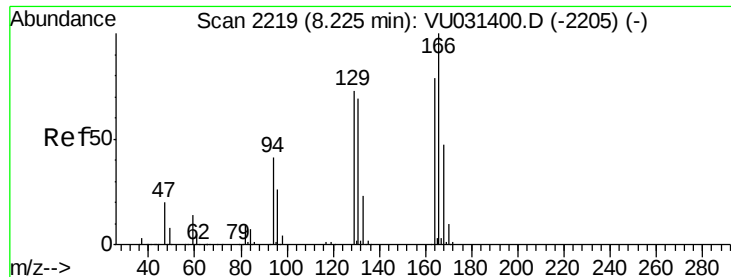
Abundance Ion 97.00 (96.70 to 97.70): VU031411.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VU031411.D (-2093) (-)

Ion 83.00 (82.70 to 83.70): VU031411.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VU031411.D (-2093) (-)

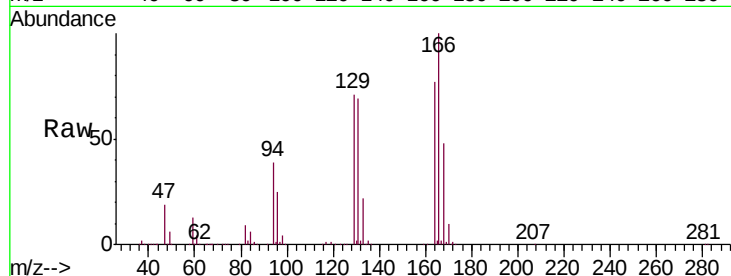




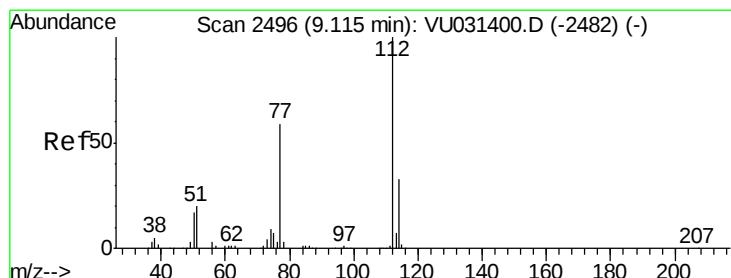
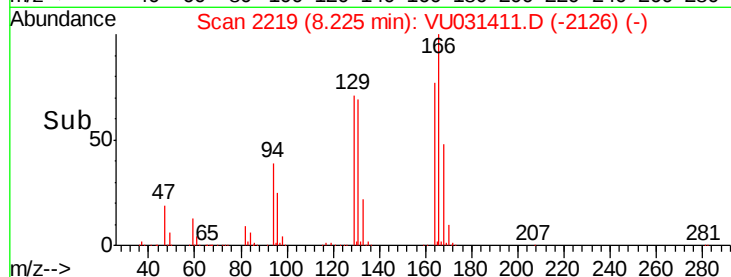
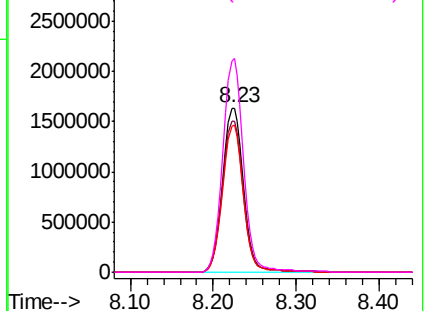
#46
Tetrachloroethene
Concen: 889.202 ug/L
RT: 8.23 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU031411.D
Acq: 22 Apr 2019 23:39

Instrument :
MSVOA_U
ClientSampleId :
C0X52

Tgt Ion:164 Resp: 2857665
Ion Ratio Lower Upper
164 100
129 92.2 65.2 121.0
131 89.7 61.4 114.0
166 130.0 89.2 165.6

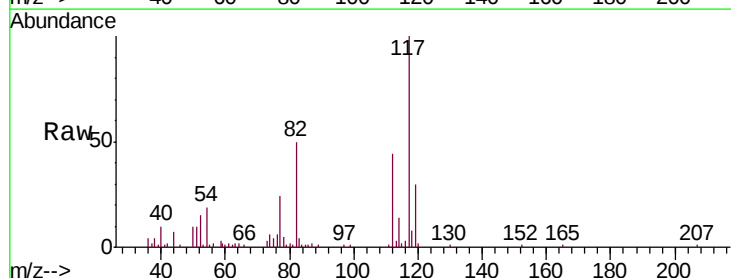


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

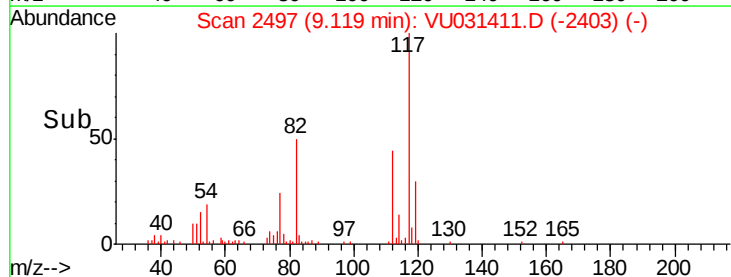
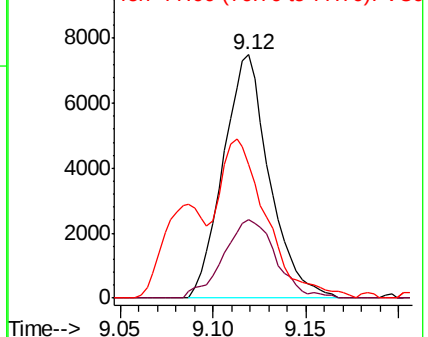


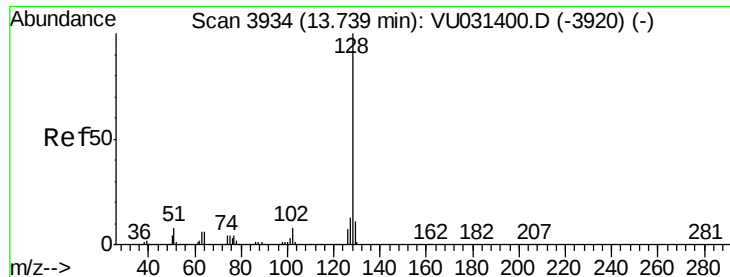
#51
Chlorobenzene
Concen: 1.178 ug/L
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU031411.D
Acq: 22 Apr 2019 23:39

Tgt Ion:112 Resp: 12983
Ion Ratio Lower Upper
112 100
114 32.0 23.0 42.8
77 55.0 47.1 70.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#69

Naphthalene

Concen: 3.509 ug/L

RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VU031411.D

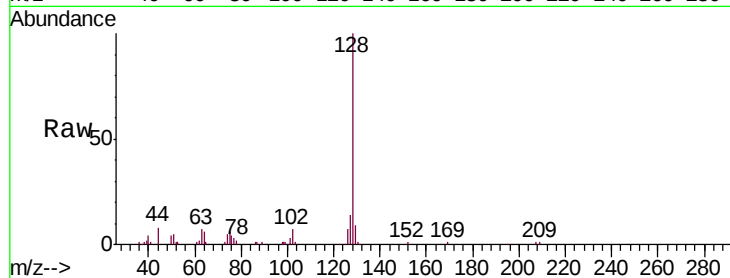
Acq: 22 Apr 2019 23:39

Instrument :

MSVOA_U

ClientSampleId :

C0X52



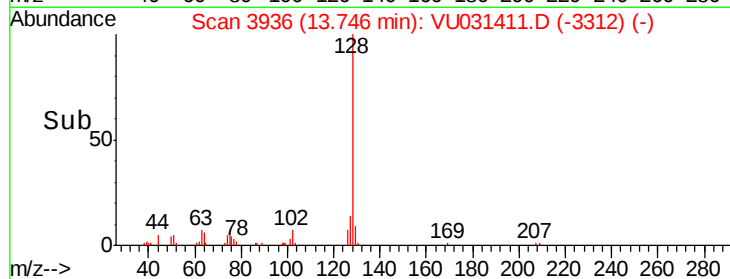
Tgt Ion:128 Resp: 58689

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.4

129 10.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

