

Data File : VU030348.D
Acq On : 23 Mar 2019 18:27
Operator : JC/SP
Sample : K2062-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF1A1

Quant Time: Mar 24 02:12:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Sun Mar 24 02:05:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	410535	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	393909	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	172252	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	145608	44.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.14%
7) Chloroethane-d5	1.68	69	124104	47.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.78%
11) 1,1-Dichloroethene-d2	2.27	63	215397	34.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.74%
21) 2-Butanone-d5	4.17	46	282284	90.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.89%
24) Chloroform-d	4.65	84	257217	45.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.38%
26) 1,2-Dichloroethane-d4	5.31	65	176918	47.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.00%
32) Benzene-d6	5.34	84	545003	48.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.50%
36) 1,2-Dichloropropane-d6	6.33	67	191641	49.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.16%
41) Toluene-d8	7.56	98	479146	47.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.46%
43) trans-1,3-Dichloropropene-	7.85	79	83969	46.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.40%
47) 2-Hexanone-d5	8.31	63	193230	92.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.26%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	258188	46.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.36%
64) 1,2-Dichlorobenzene-d4	11.86	152	168031	48.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.38%

Target Compounds

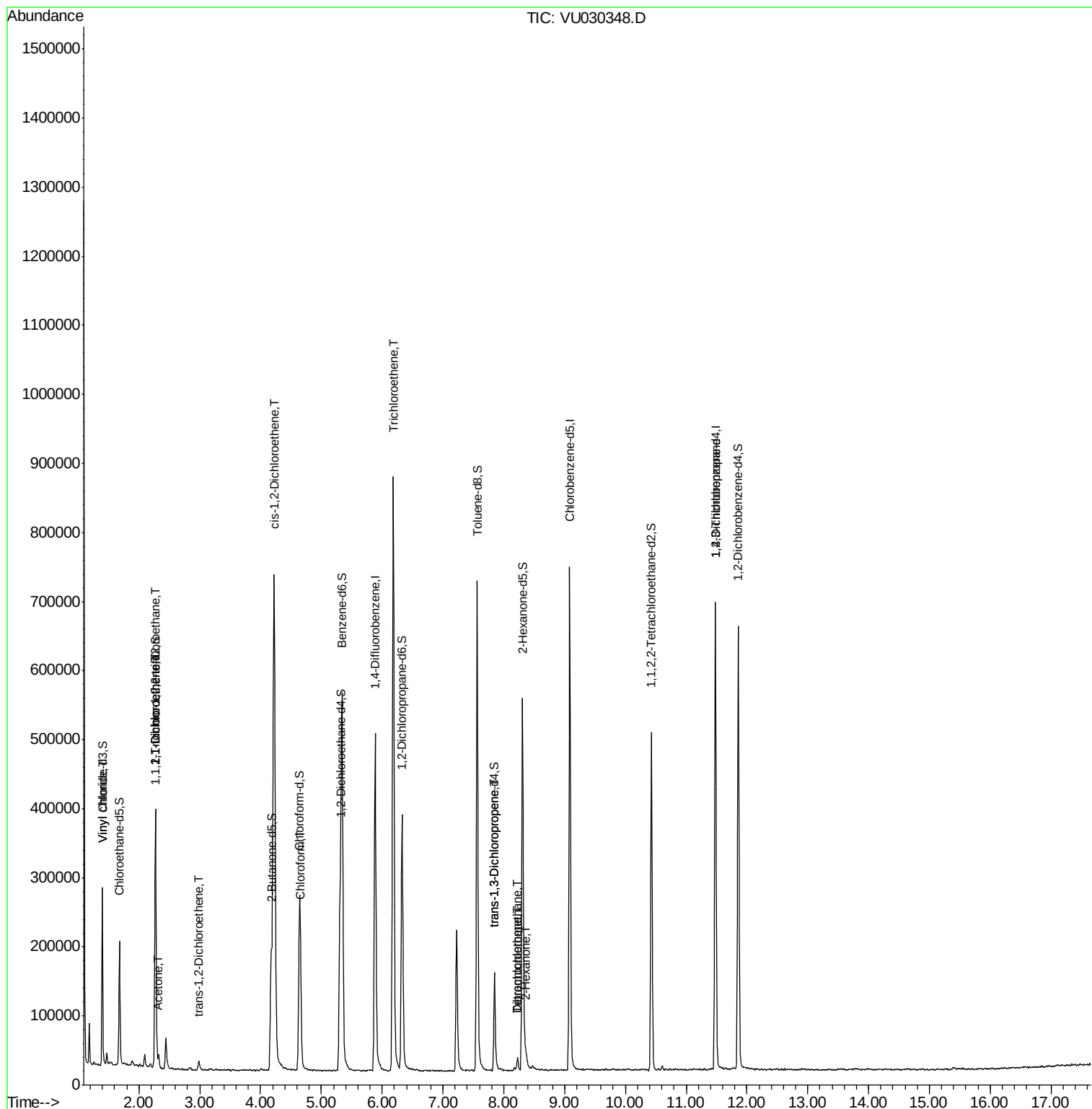
						Qvalue
5) Vinyl chloride	1.40	62	16451	3.425	ug/L #	82
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	11430	3.815	ug/L	89
12) 1,1-Dichloroethene	2.28	96	5083	1.731	ug/L #	1
13) Acetone	2.32	43	17780	5.661	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	4482	1.454	ug/L	92
20) cis-1,2-Dichloroethene	4.22	96	395034	114.305	ug/L	100
25) Chloroform	4.67	83	7915	1.317	ug/L	91
34) Trichloroethene	6.18	95	318640	96.664	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	3361	0.698	ug/L	99
46) Tetrachloroethene	8.22	164	4624	2.008	ug/L	83
48) 2-Hexanone	8.36	43	8460	1.615	ug/L #	89
49) Dibromochloromethane	8.22	129	4329	1.296	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	22674	4.895	ug/L	93

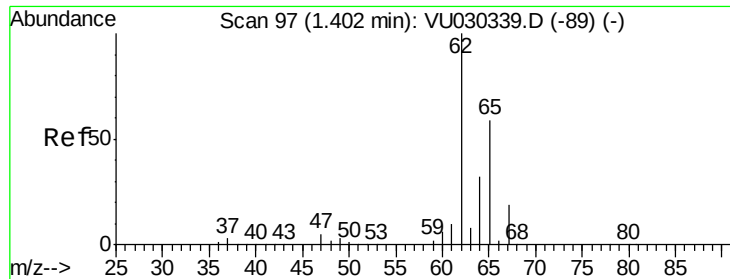
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 3.425 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030348.D

Acq: 23 Mar 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

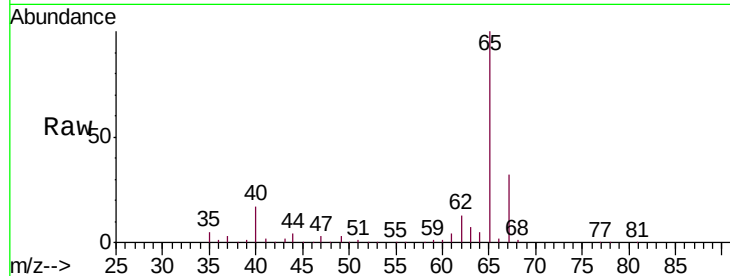
BF1A1

Tgt Ion: 62 Resp: 16451

Ion Ratio Lower Upper

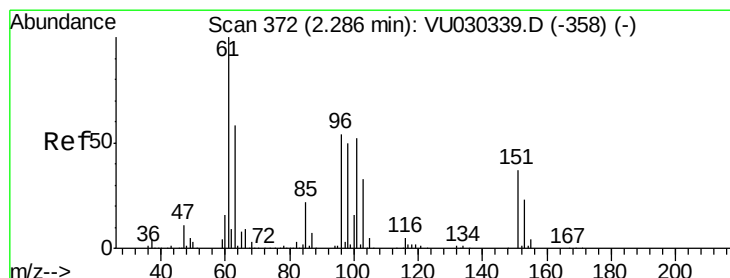
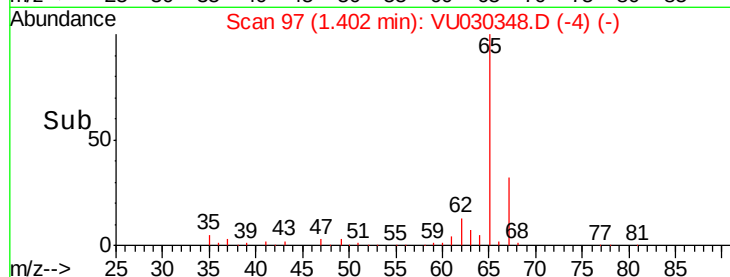
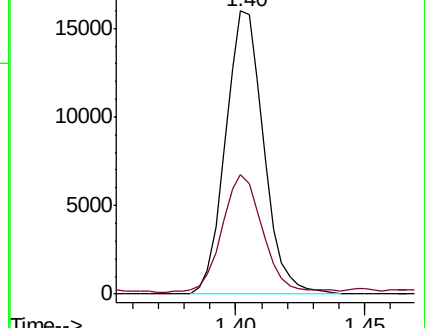
62 100

64 42.4 22.6 42.0#



Abundance Ion 62.00 (61.70 to 62.70): VU030339.D (-89) (-)

Ion 64.00 (63.70 to 64.70): VU030339.D (-89) (-)



#10

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

Concen: 3.815 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU030348.D

Acq: 23 Mar 2019 18:27

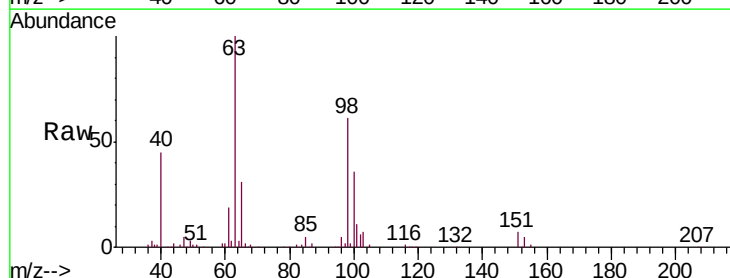
Tgt Ion: 101 Resp: 11430

Ion Ratio Lower Upper

101 100

85 38.4 34.8 52.2

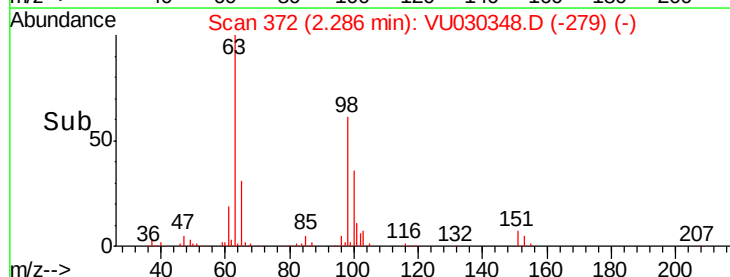
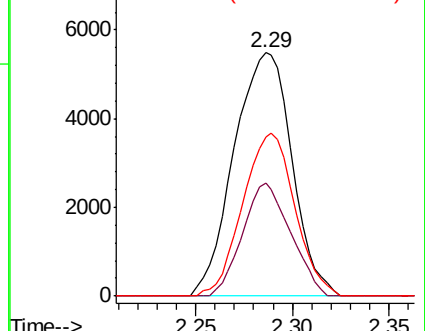
151 60.2 56.6 85.0

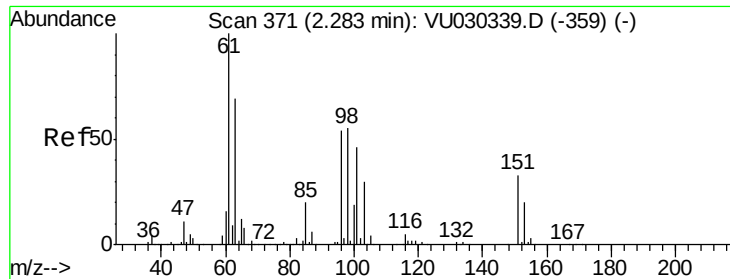


Abundance Ion 101.00 (100.70 to 101.70): VU030339.D (-358) (-)

Ion 85.00 (84.70 to 85.70): VU030339.D (-358) (-)

Ion 151.00 (150.70 to 151.70): VU030339.D (-358) (-)





#12

1,1-Dichloroethene

Concen: 1.731 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030348.D

Acq: 23 Mar 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

BF1A1

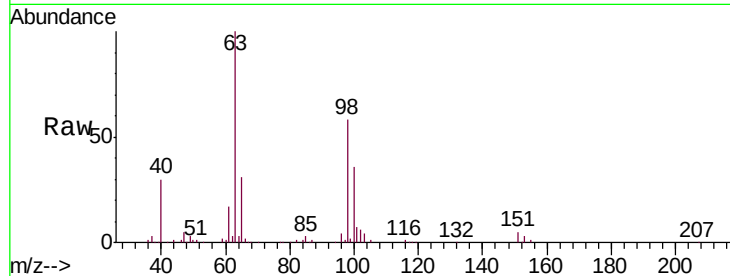
Tgt Ion: 96 Resp: 5083

Ion Ratio Lower Upper

96 100

61 424.2 131.0 243.4#

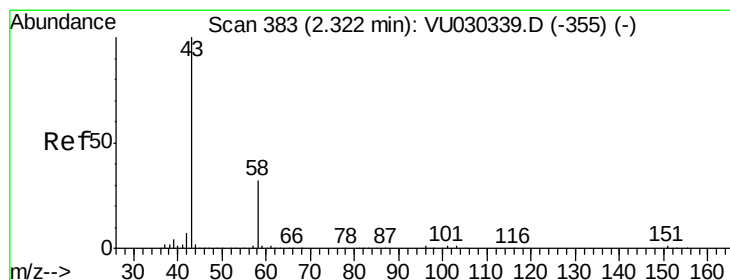
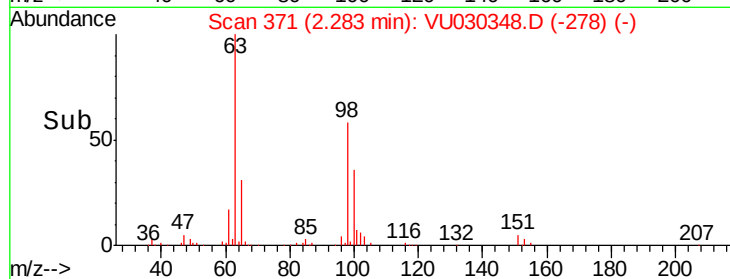
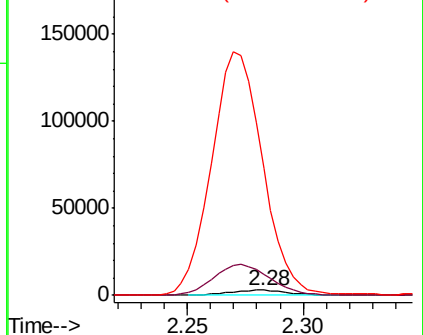
63 2540.7 92.4 171.6#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 5.661 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU030348.D

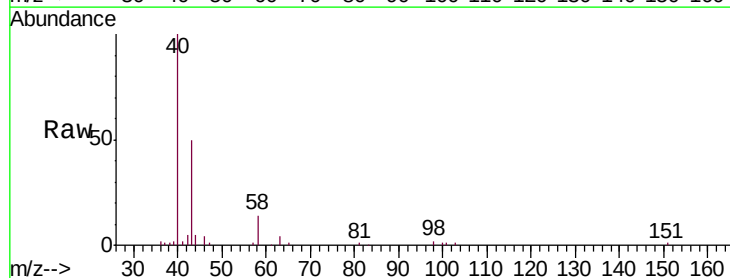
Acq: 23 Mar 2019 18:27

Tgt Ion: 43 Resp: 17780

Ion Ratio Lower Upper

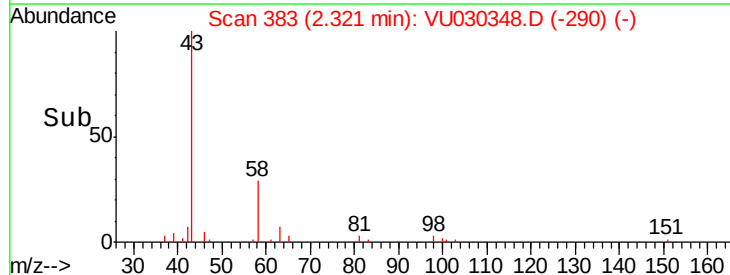
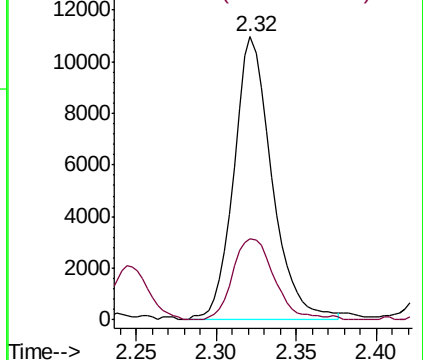
43 100

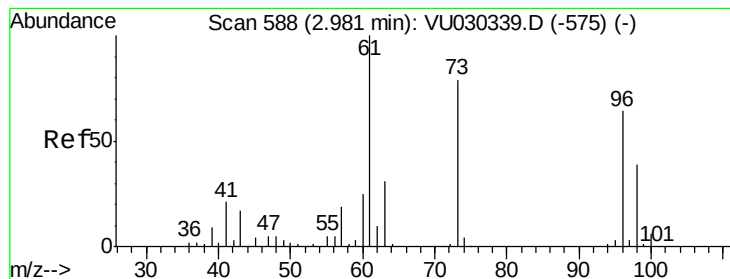
58 31.1 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 1.454 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU030348.D

Acq: 23 Mar 2019 18:27

Instrument :

MSVOA_U

ClientSampled :

BF1A1

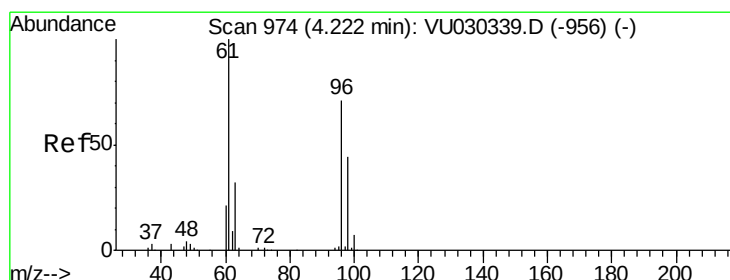
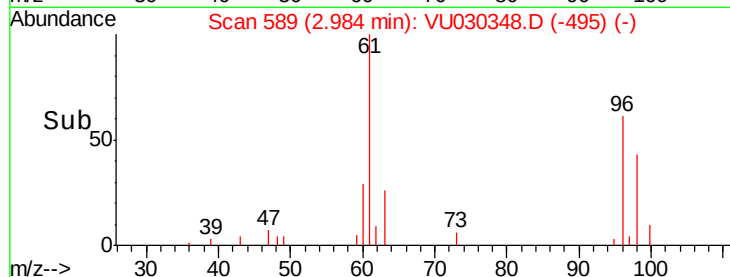
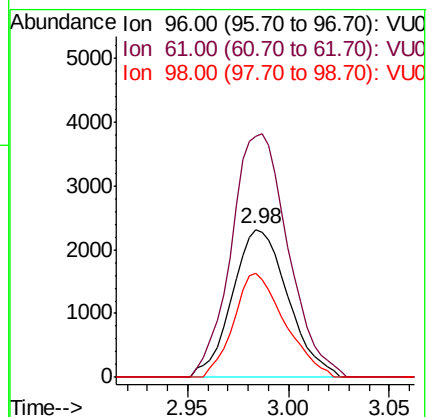
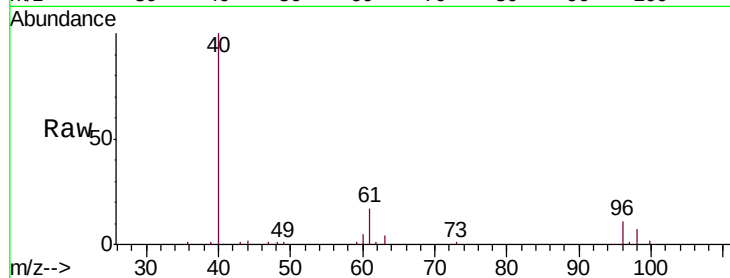
Tgt Ion: 96 Resp: 4482

Ion Ratio Lower Upper

96 100

61 162.8 108.6 201.8

98 70.1 42.3 78.5



#20

cis-1,2-Dichloroethene

Concen: 114.305 ug/L

RT: 4.22 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU030348.D

Acq: 23 Mar 2019 18:27

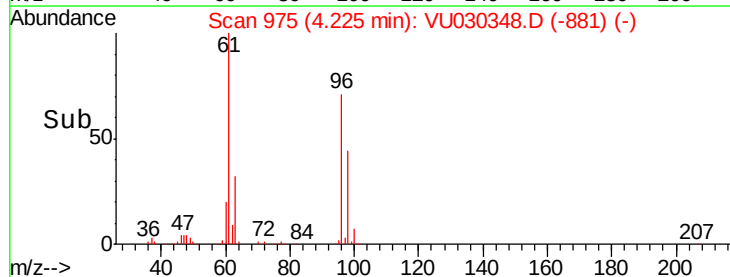
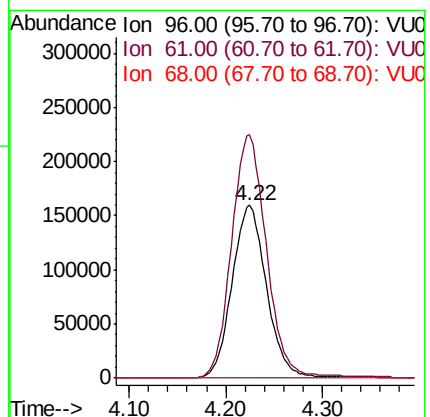
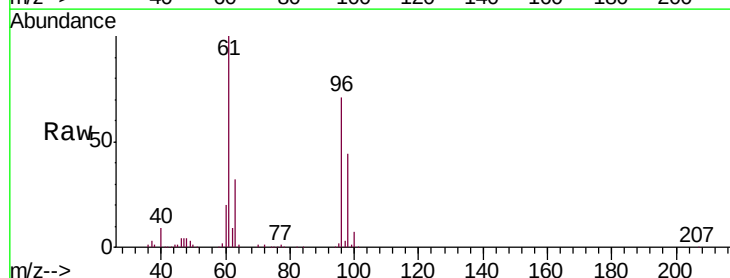
Tgt Ion: 96 Resp: 395034

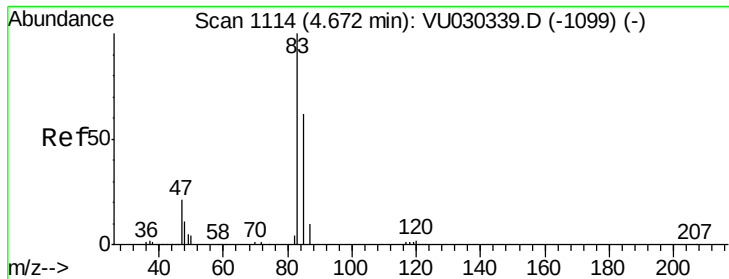
Ion Ratio Lower Upper

96 100

61 141.0 98.4 182.8

68 0.0 0.0 0.0

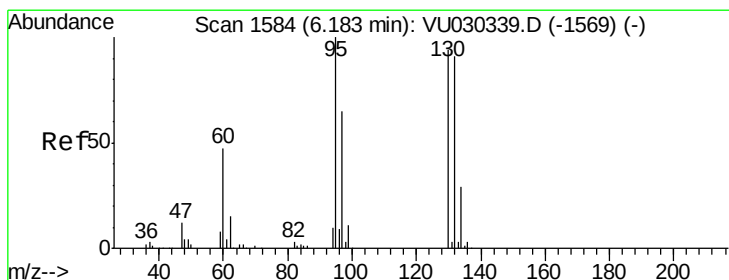
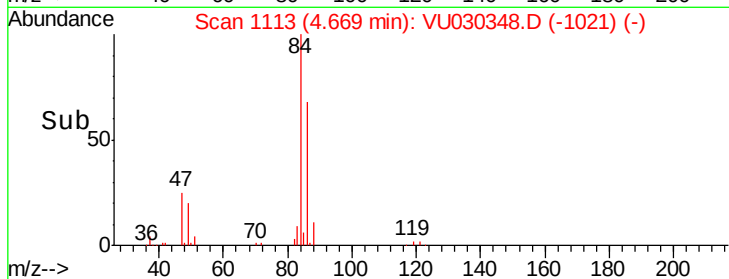
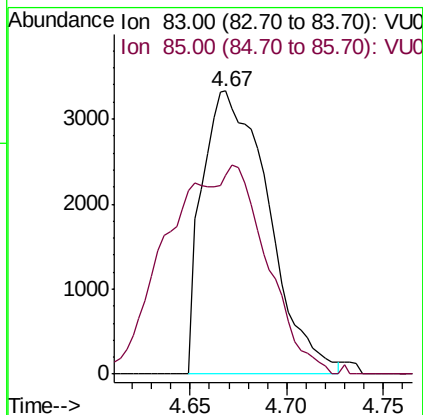
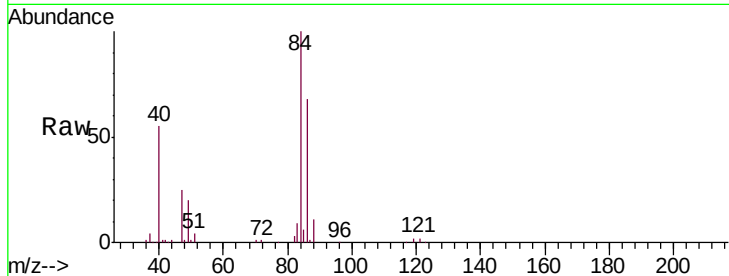




#25
Chloroform
Concen: 1.317 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU030348.D
Acq: 23 Mar 2019 18:27

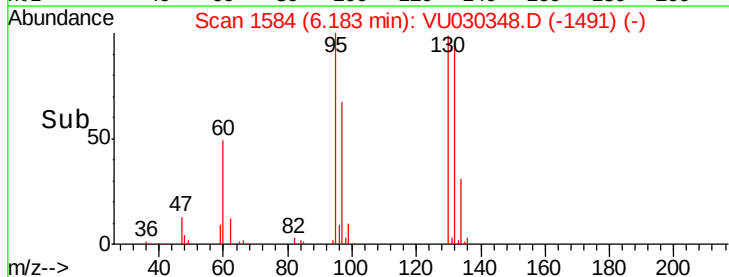
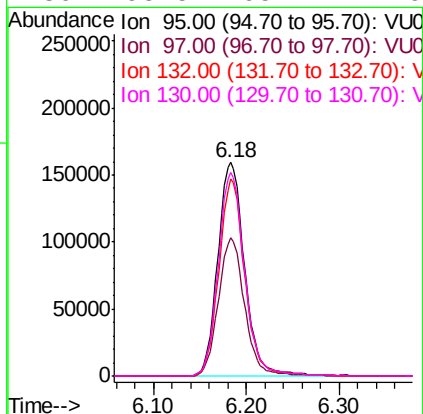
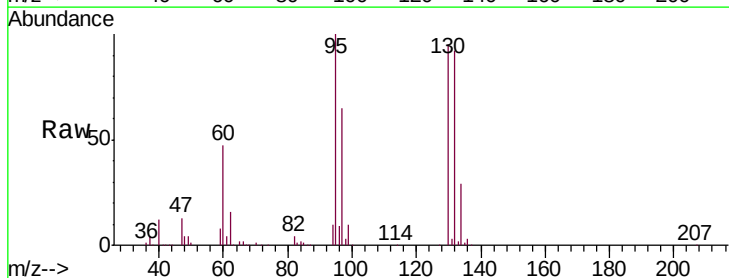
Instrument :
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ClientSampleId :
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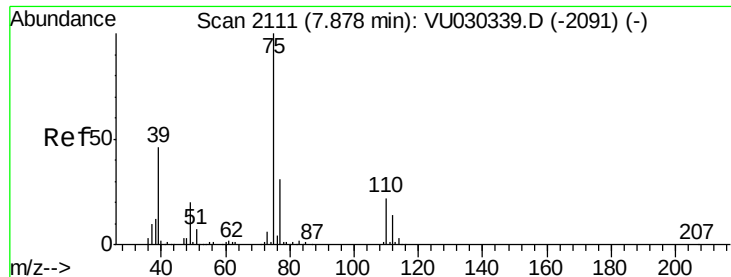
Tgt Ion: 83 Resp: 7915
Ion Ratio Lower Upper
83 100
85 70.2 44.4 82.4



#34
Trichloroethene
Concen: 96.664 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VU030348.D
Acq: 23 Mar 2019 18:27

Tgt Ion: 95 Resp: 318640
Ion Ratio Lower Upper
95 100
97 64.6 45.7 84.9
132 92.1 63.8 118.4
130 95.5 65.7 121.9





#44

trans-1,3-Dichloropropene

Concen: 0.698 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030348.D

Acq: 23 Mar 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

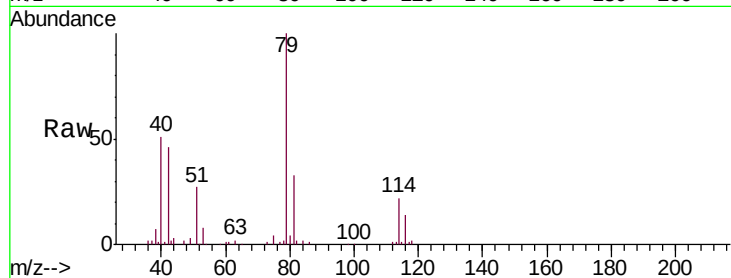
BF1A1

Tgt Ion: 75 Resp: 3361

Ion Ratio Lower Upper

75 100

77 30.9 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU030339.D (-2091) (-)

Ion 77.00 (76.70 to 77.70): VU030339.D (-2091) (-)

7.85

2000

1500

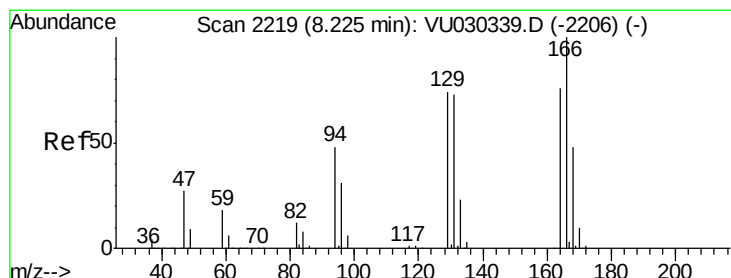
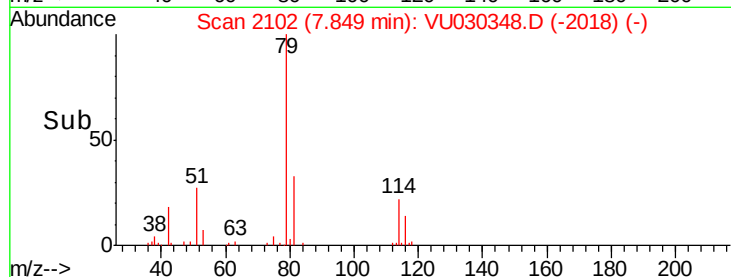
1000

500

0

7.80 7.85 7.90

Time-->



#46

Tetrachloroethene

Concen: 2.008 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU030348.D

Acq: 23 Mar 2019 18:27

Tgt Ion: 164 Resp: 4624

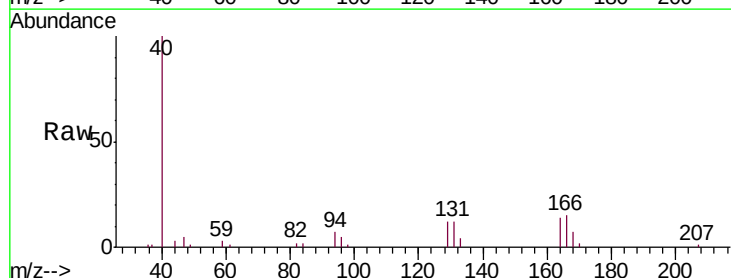
Ion Ratio Lower Upper

164 100

129 82.6 68.1 126.5

131 87.3 67.7 125.7

166 104.4 92.4 171.6



Abundance Ion 164.00 (163.70 to 164.70): VU030339.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU030339.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU030339.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU030339.D (-2206) (-)

8.22

4000

3000

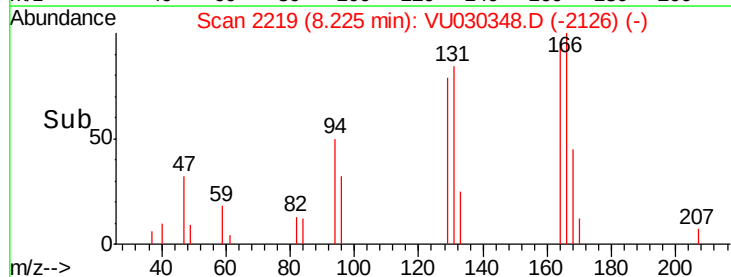
2000

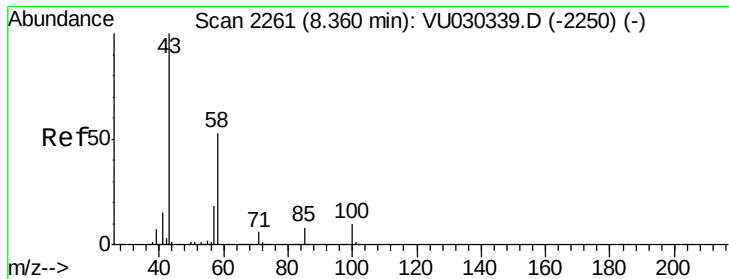
1000

0

8.20 8.25

Time-->





#48

2-Hexanone

Concen: 1.615 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VU030348.D

Acq: 23 Mar 2019 18:27

Instrument :

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ClientSampleId :

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Tgt Ion: 43 Resp: 8460

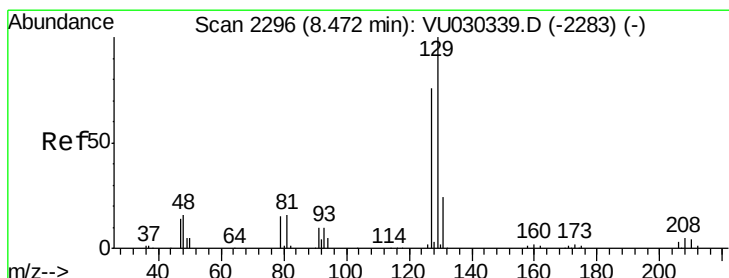
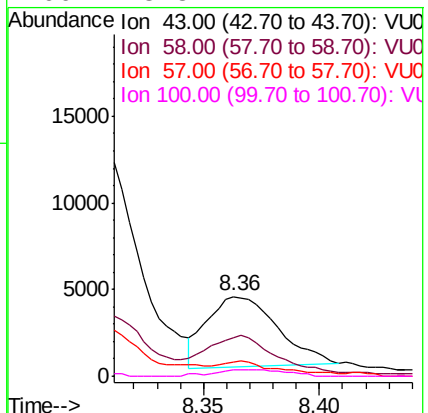
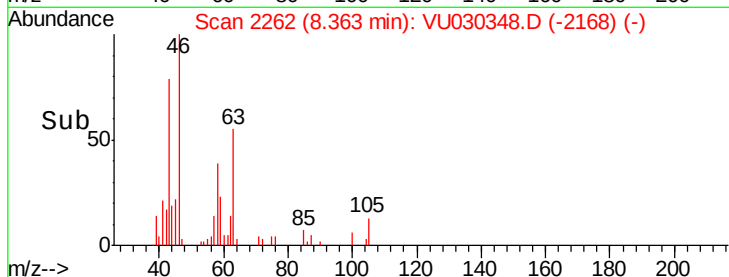
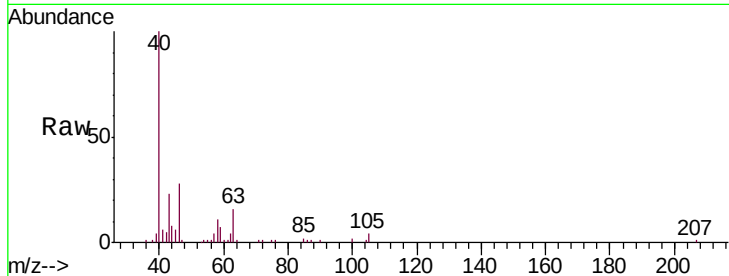
Ion Ratio Lower Upper

43 100

58 52.1 42.5 63.7

57 0.0 15.0 22.6#

100 8.8 7.4 11.2



#49

Dibromochloromethane

Concen: 1.296 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU030348.D

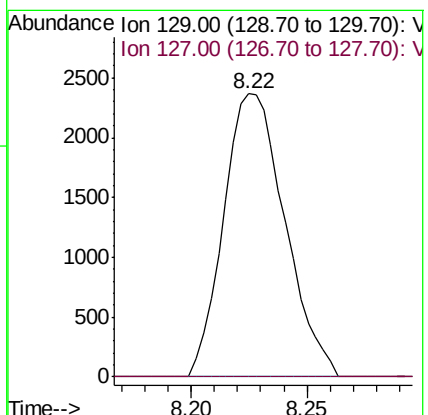
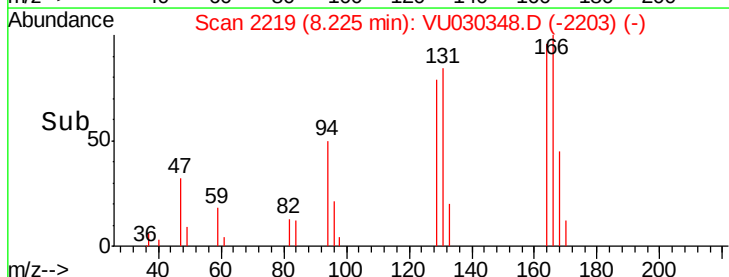
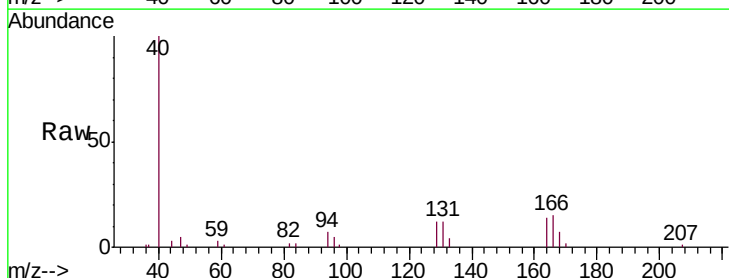
Acq: 23 Mar 2019 18:27

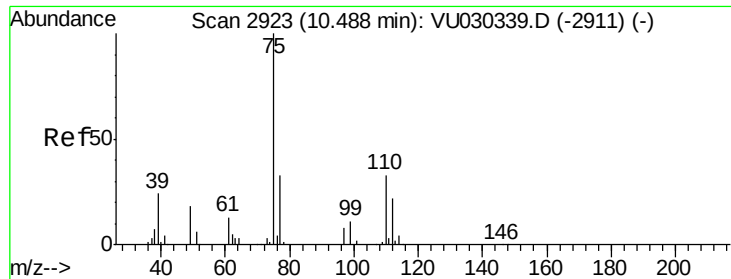
Tgt Ion: 129 Resp: 4329

Ion Ratio Lower Upper

129 100

127 0.0 53.2 98.8#





#59

1,2,3-Trichloropropane

Concen: 4.895 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030348.D

Acq: 23 Mar 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

BF1A1

Tgt Ion: 75 Resp: 22674

Ion Ratio Lower Upper

75 100

77 35.8 25.4 38.2

