

Data File : VU030347.D
Acq On : 23 Mar 2019 18:04
Operator : JC/SP
Sample : K2062-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF1D7

Quant Time: Mar 24 02:12:00 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	405820	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	393534	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	170415	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	148042	45.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.66%
7) Chloroethane-d5	1.68	69	121915	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.27	63	212098	34.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.46%
21) 2-Butanone-d5	4.18	46	274239	89.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.32%
24) Chloroform-d	4.65	84	259522	46.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.24%
26) 1,2-Dichloroethane-d4	5.31	65	174808	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.94%
32) Benzene-d6	5.34	84	546321	48.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.82%
36) 1,2-Dichloropropane-d6	6.33	67	189155	48.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.98%
41) Toluene-d8	7.56	98	475918	46.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.92%
43) trans-1,3-Dichloropropene-	7.85	79	84786	46.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.40%
47) 2-Hexanone-d5	8.31	63	193299	92.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.38%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	255470	46.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	168651	49.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.78%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2448	0.827	ug/L #	34
12) 1,1-Dichloroethene	2.28	96	3084	1.062	ug/L #	1
13) Acetone	2.32	43	10389	3.346	ug/L	95
25) Chloroform	4.67	83	8634	1.453	ug/L #	71
34) Trichloroethene	6.19	95	7792	2.366	ug/L	99
42) Toluene	7.64	91	9764	0.702	ug/L	96
44) trans-1,3-Dichloropropene	7.85	75	4003	0.833	ug/L	99
46) Tetrachloroethene	8.22	164	474044	206.089	ug/L	98
48) 2-Hexanone	8.36	43	9496	1.814	ug/L #	84

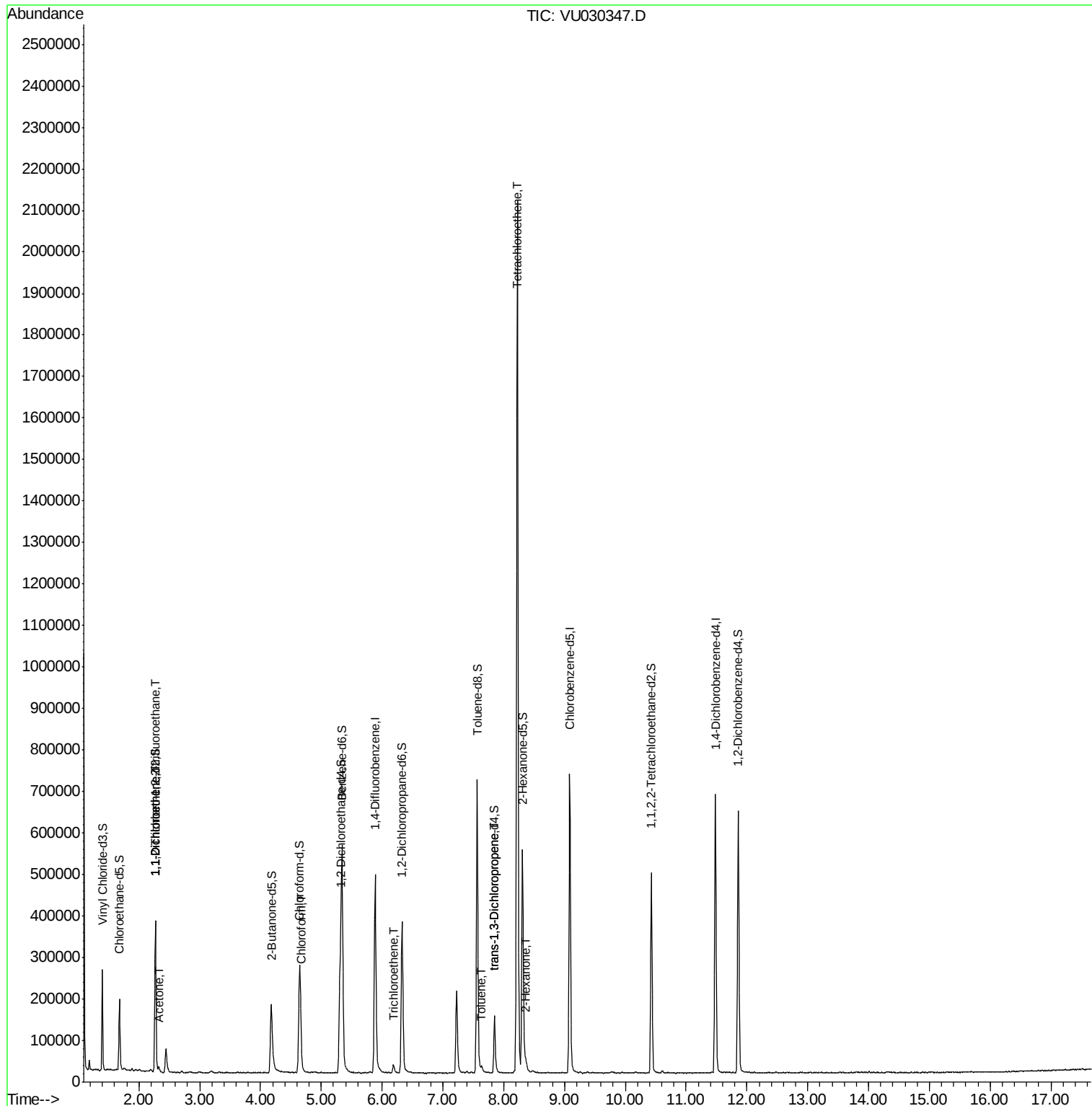
(#) = qualifier out of range (m) = manual integration (+) = signals summed

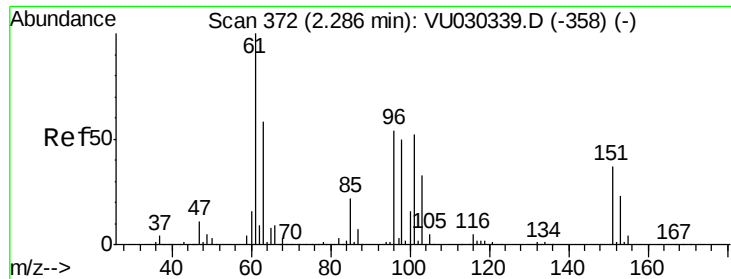
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#10

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

Concen: 0.827 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030347.D

Acq: 23 Mar 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

BF1D7

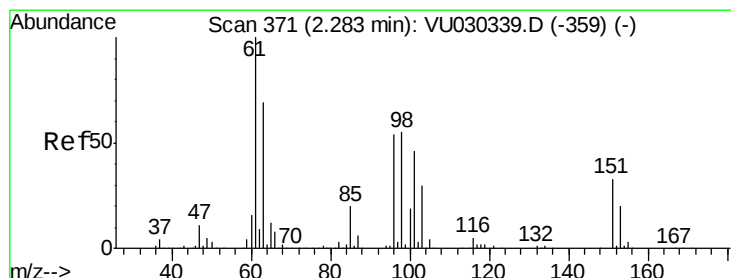
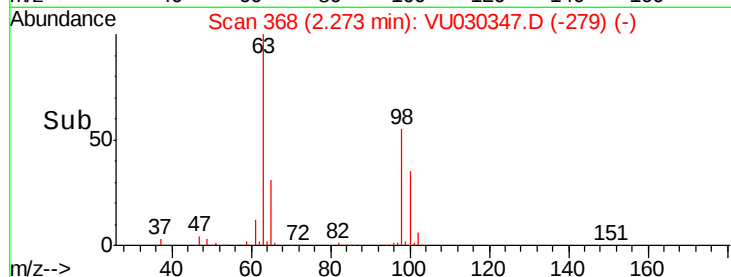
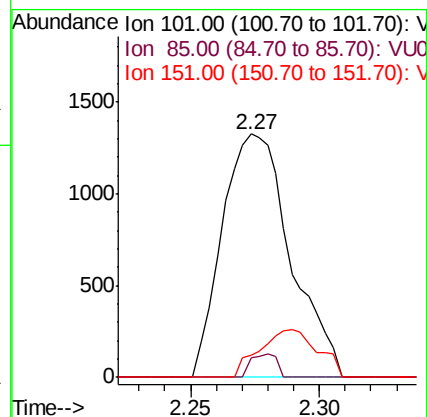
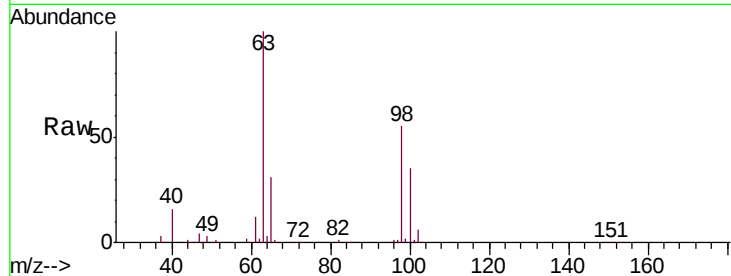
Tgt Ion: 101 Resp: 2448

Ion Ratio Lower Upper

101 100

85 3.6 34.8 52.2#

151 14.6 56.6 85.0#



#12

1,1-Dichloroethene

Concen: 1.062 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU030347.D

Acq: 23 Mar 2019 18:04

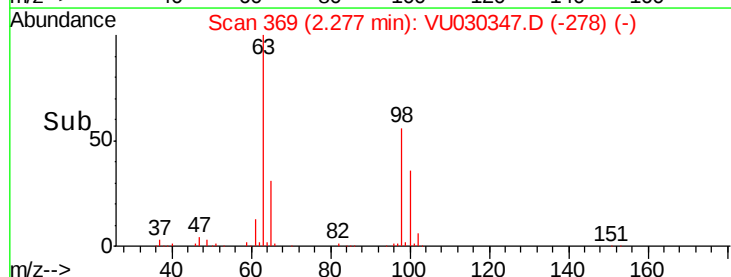
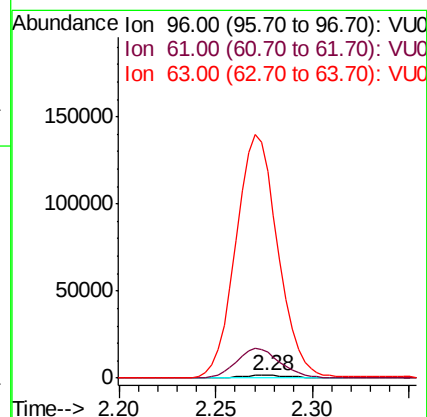
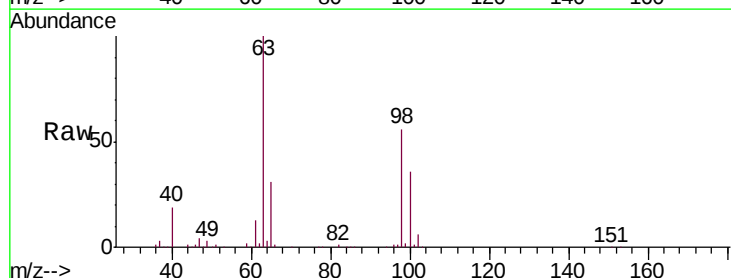
Tgt Ion: 96 Resp: 3084

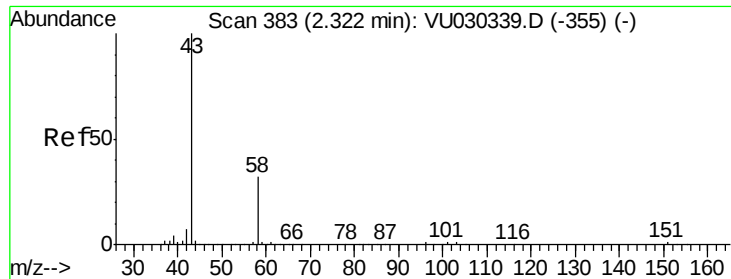
Ion Ratio Lower Upper

96 100

61 934.4 131.0 243.4#

63 7449.7 92.4 171.6#





#13

Acetone

Concen: 3.346 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030347.D

Acq: 23 Mar 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

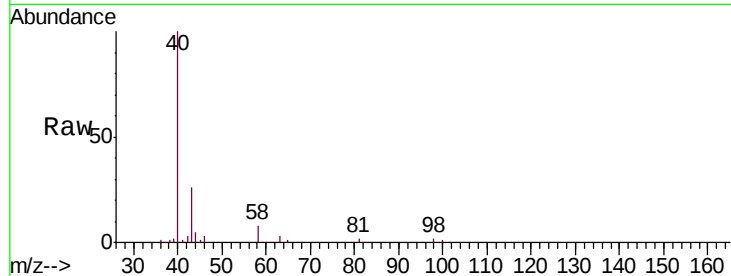
BF1D7

Tgt Ion: 43 Resp: 10389

Ion Ratio Lower Upper

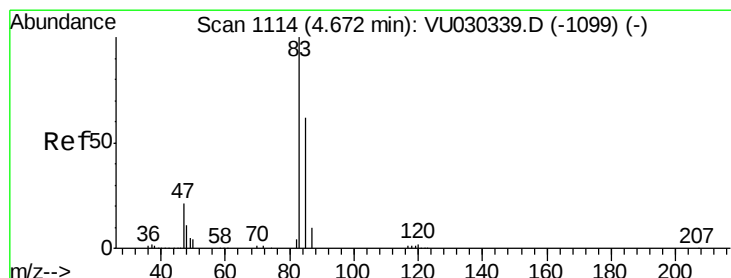
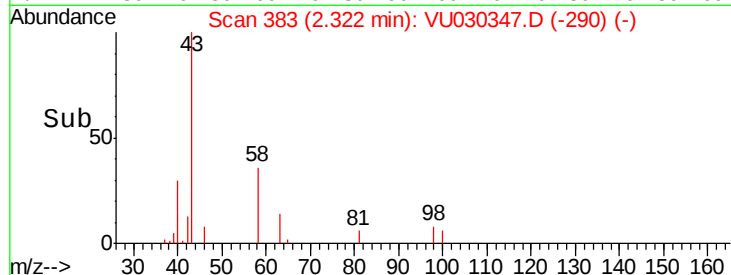
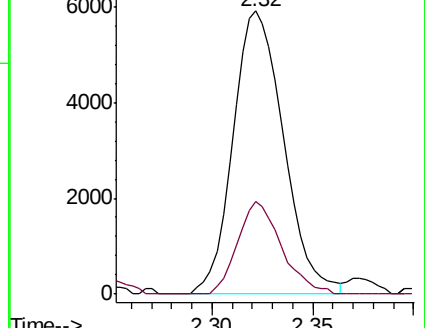
43 100

58 28.4 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030339.D (-355) (-)

Ion 58.00 (57.70 to 58.70): VU030339.D (-355) (-)



#25

Chloroform

Concen: 1.453 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU030347.D

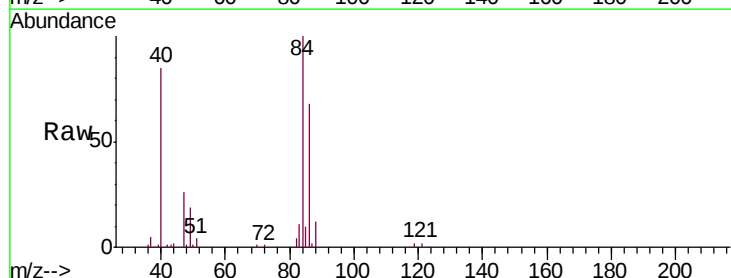
Acq: 23 Mar 2019 18:04

Tgt Ion: 83 Resp: 8634

Ion Ratio Lower Upper

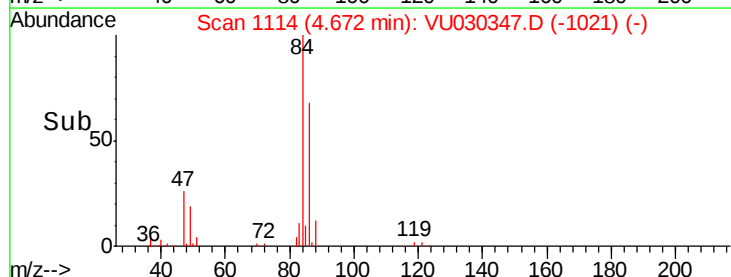
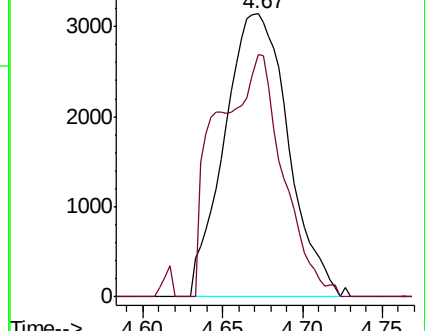
83 100

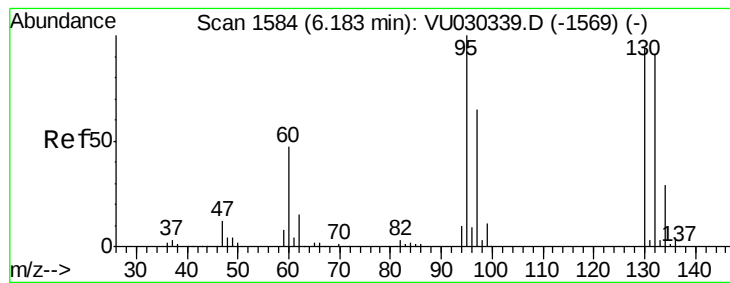
85 85.8 44.4 82.4#



Abundance Ion 83.00 (82.70 to 83.70): VU030339.D (-1099) (-)

Ion 85.00 (84.70 to 85.70): VU030339.D (-1099) (-)





#34

Trichloroethene

Concen: 2.366 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU030347.D

Acq: 23 Mar 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

BF1D7

Tgt Ion: 95 Resp: 7792

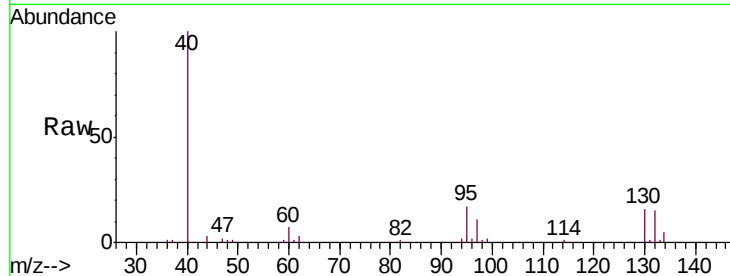
Ion Ratio Lower Upper

95 100

97 64.1 45.7 84.9

132 90.1 63.8 118.4

130 93.3 65.7 121.9

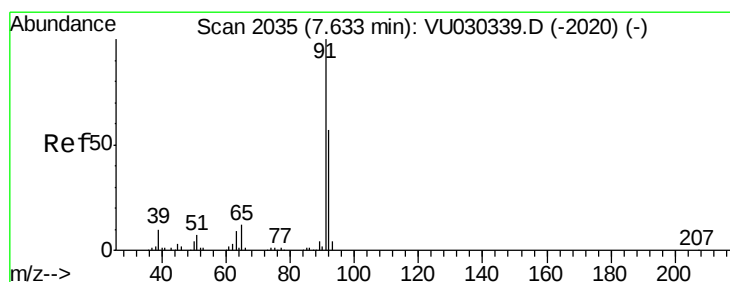
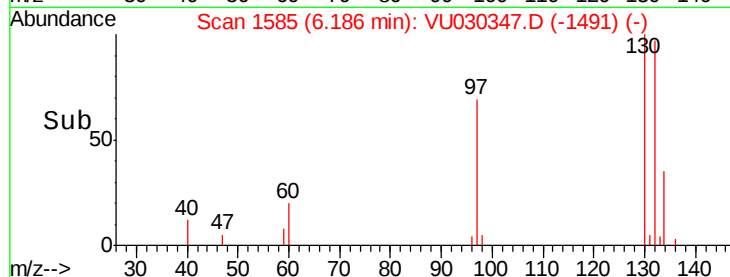
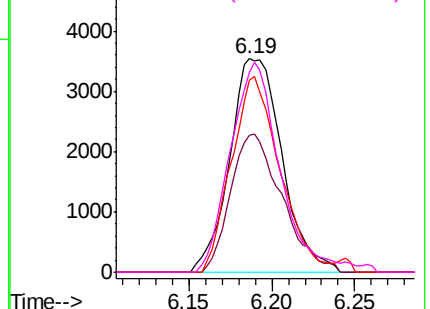


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#42

Toluene

Concen: 0.702 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU030347.D

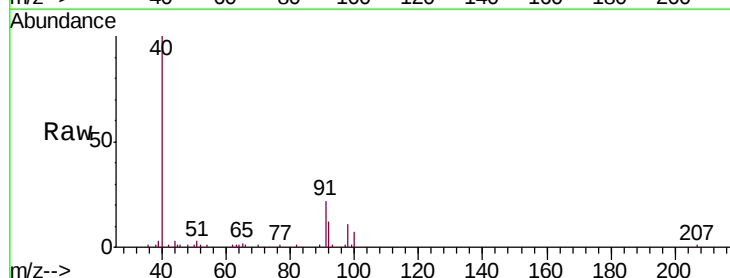
Acq: 23 Mar 2019 18:04

Tgt Ion: 91 Resp: 9764

Ion Ratio Lower Upper

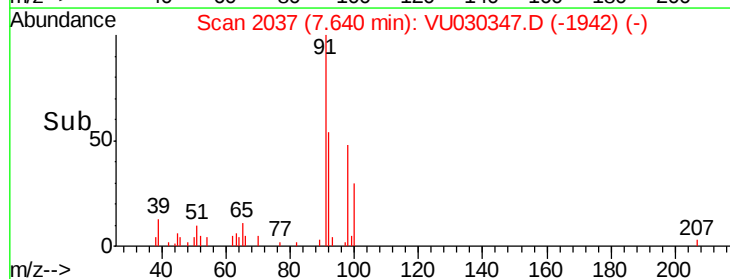
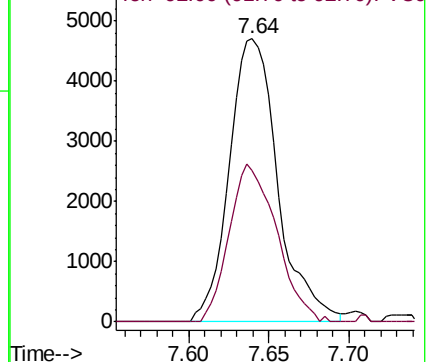
91 100

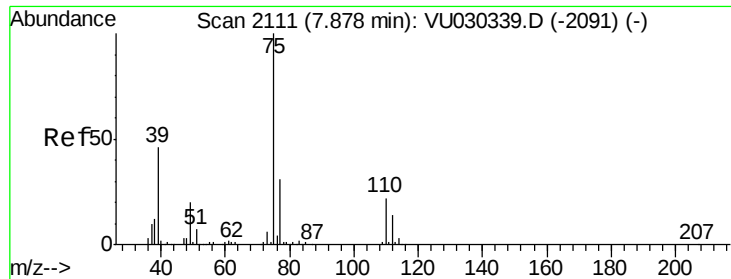
92 53.7 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.833 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030347.D

Acq: 23 Mar 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

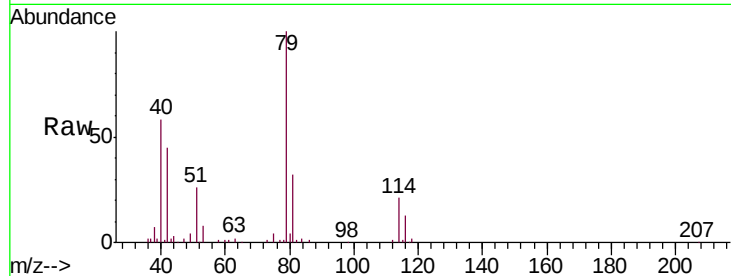
BF1D7

Tgt Ion: 75 Resp: 4003

Ion Ratio Lower Upper

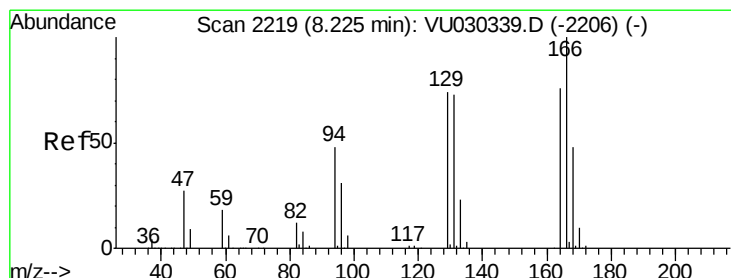
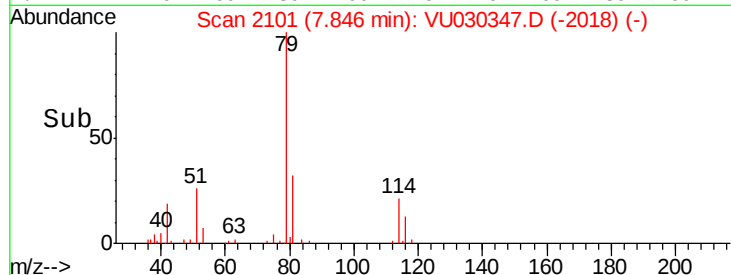
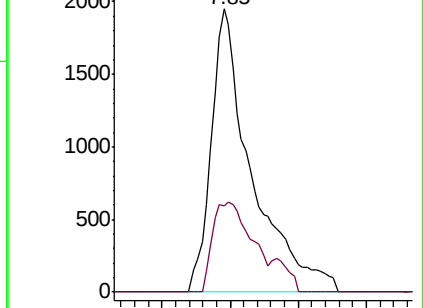
75 100

77 30.6 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) (-)



#46

Tetrachloroethene

Concen: 206.089 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030347.D

Acq: 23 Mar 2019 18:04

Tgt Ion: 164 Resp: 474044

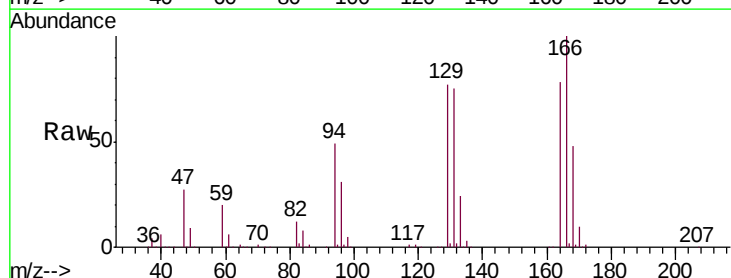
Ion Ratio Lower Upper

164 100

129 98.4 68.1 126.5

131 95.4 67.7 125.7

166 127.5 92.4 171.6

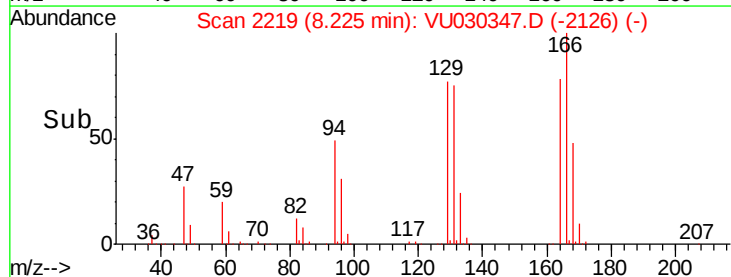
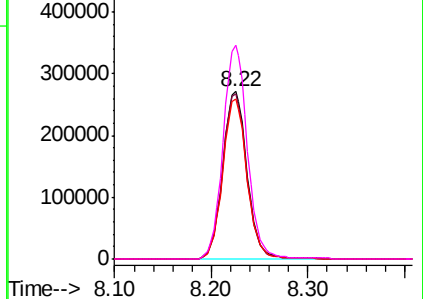


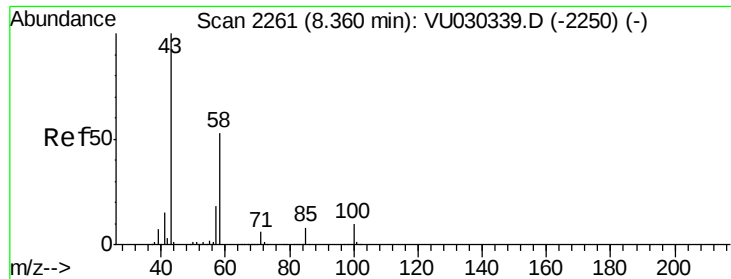
Abundance Ion 164.00 (163.70 to 164.70): VU030339.D (-2206) (-)

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) (-)





#48

2-Hexanone

Concen: 1.814 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VU030347.D

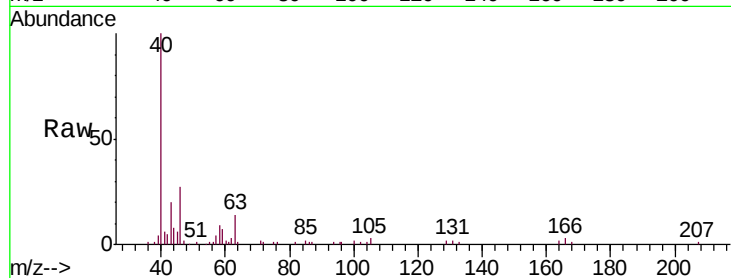
Acq: 23 Mar 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

BF1D7



Tgt Ion: 43 Resp: 9496

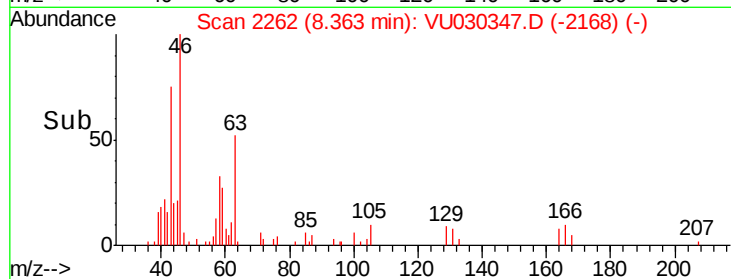
Ion Ratio Lower Upper

43 100

58 43.5 42.5 63.7

57 7.7 15.0 22.6#

100 5.5 7.4 11.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

