

Data File : VU032086.D
Acq On : 17 May 2019 07:25
Operator : JC/SP
Sample : K2859-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W42

Quant Time: May 17 08:46:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 17 08:41:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	384651	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	391590	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	154200	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	143079	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.68	69	121583	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.27	63	200969	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.80%
20) 2-Butanone-d5	4.20	46	271352	42.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.32%
24) Chloroform-d	4.64	84	254969	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.31	65	130321	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.33	84	527353	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.33	67	153853	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.20%
41) Toluene-d8	7.56	98	434902	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
43) trans-1,3-Dichloropropene-	7.85	79	48685	3.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.40%
46) 2-Hexanone-d5	8.31	63	243387	42.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.76%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	125755	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	159389	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

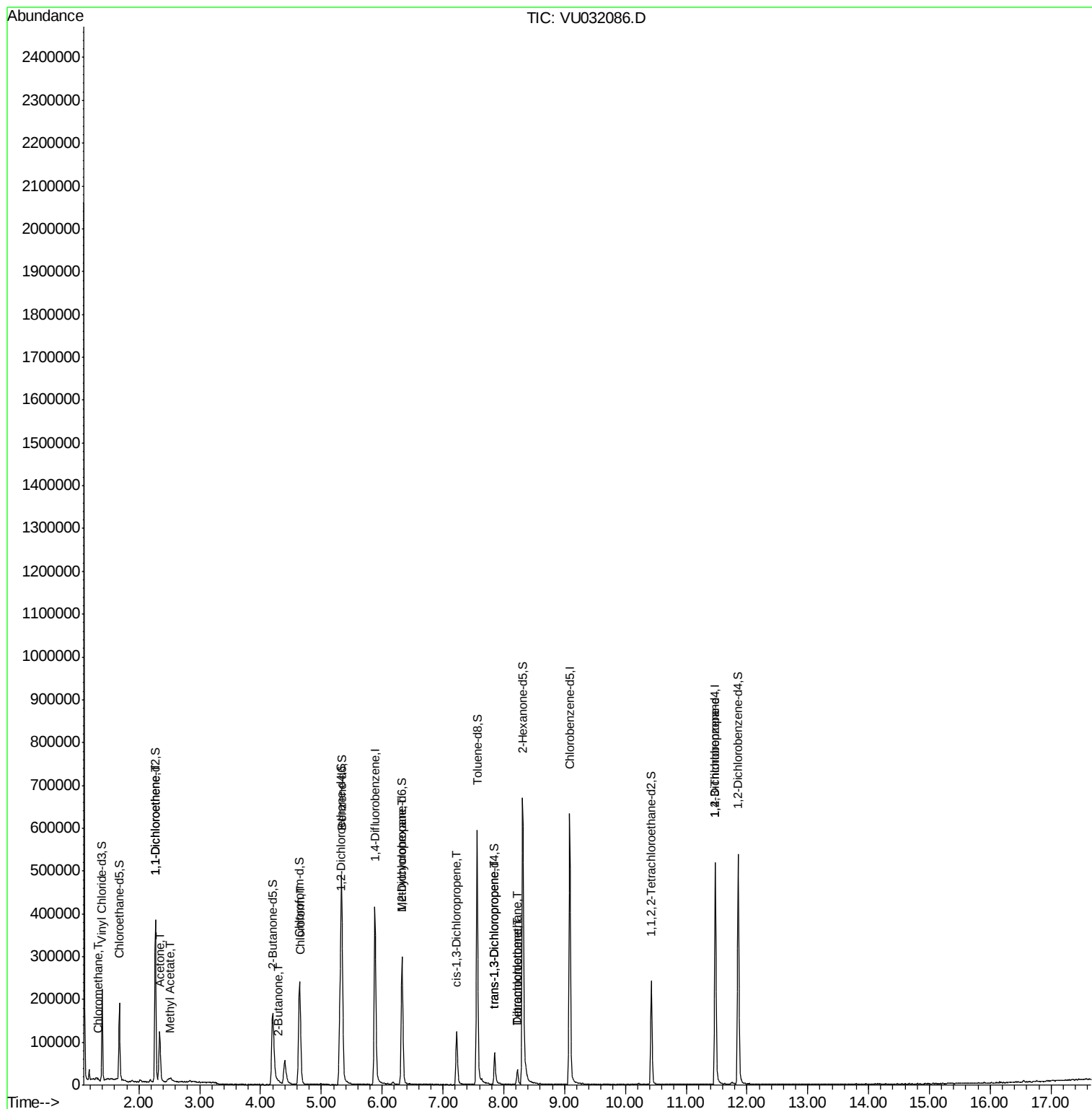
					Qvalue
3) Chloromethane	1.32	50	2834	0.153 ug/L	90
12) 1,1-Dichloroethene	2.27	96	1755	0.114 ug/L #	1
13) Acetone	2.33	43	53136	25.444 ug/L	98
15) Methyl Acetate	2.51	43	1627	0.272 ug/L #	44
21) 2-Butanone	4.30	43	3119	1.041 ug/L	81
25) Chloroform	4.66	83	7160	0.255 ug/L	86
35) Methylcyclohexane	6.33	83	35998	1.533 ug/L #	19
39) cis-1,3-Dichloropropene	7.22	75	3329	0.164 ug/L	83
44) trans-1,3-Dichloropropene	7.85	75	1756	0.111 ug/L	98
47) Tetrachloroethene	8.22	164	8674	0.711 ug/L	89
49) Dibromochloromethane	8.22	129	8348	0.667 ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	16119	1.726 ug/L	91

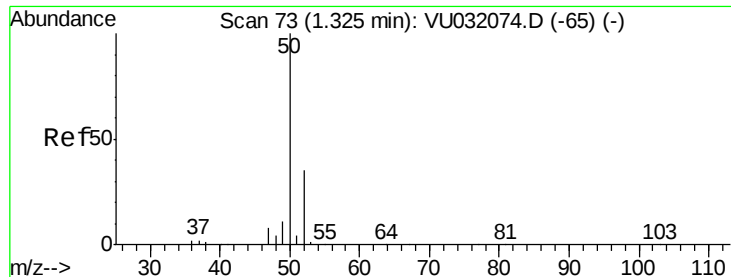
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.153 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032086.D

Acq: 17 May 2019 07:25

Instrument :

MSVOA_U

ClientSampled :

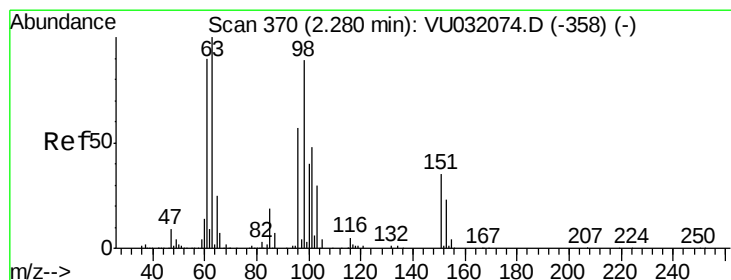
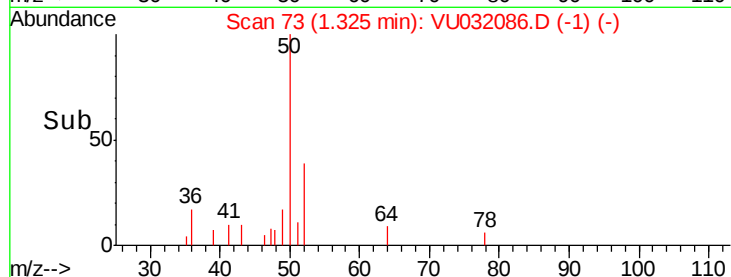
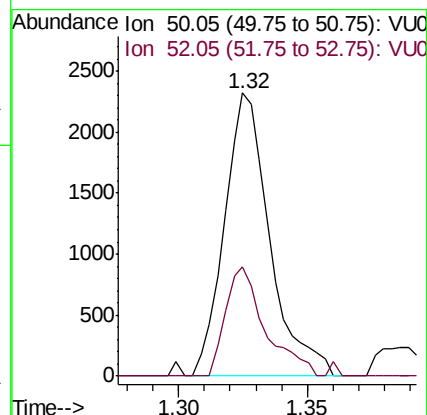
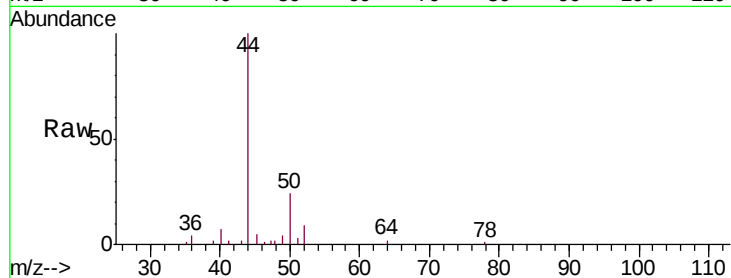
F9W42

Tgt Ion: 50 Resp: 2834

Ion Ratio Lower Upper

50 100

52 38.6 23.2 43.0



#12

1,1-Dichloroethene

Concen: 0.114 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032086.D

Acq: 17 May 2019 07:25

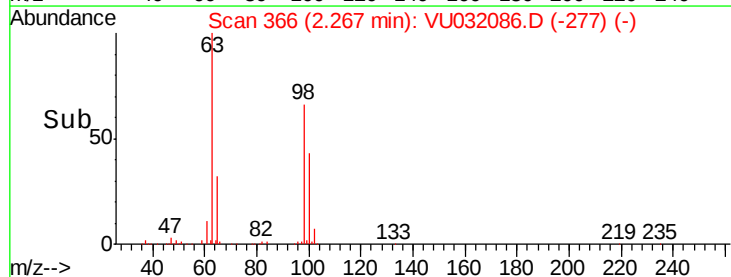
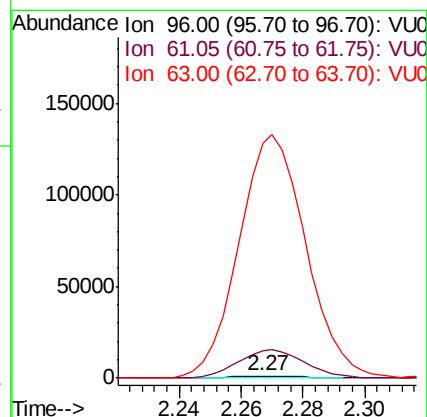
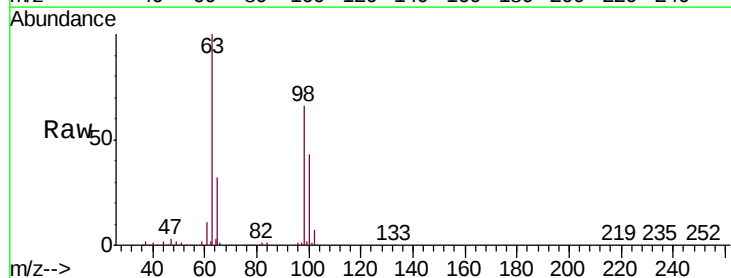
Tgt Ion: 96 Resp: 1755

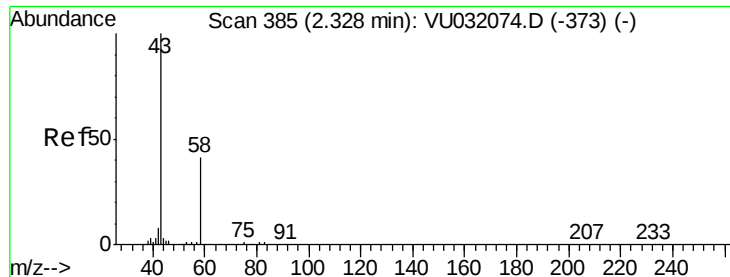
Ion Ratio Lower Upper

96 100

61 1333.3 111.7 207.5#

63 11703.1 152.2 282.6#





#13

Acetone

Concen: 25.444 ug/L

RT: 2.33 min Scan# 387

Delta R.T. 0.01 min

Lab File: VU032086.D

Acq: 17 May 2019 07:25

Instrument :

MSVOA_U

ClientSampleId :

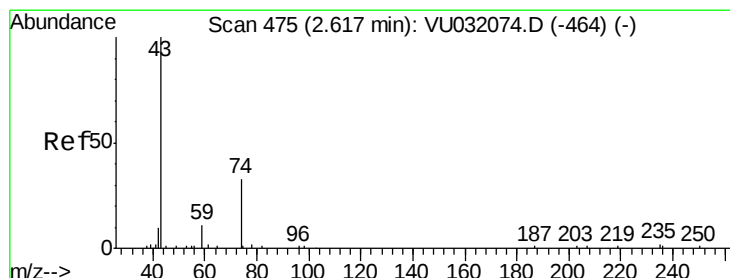
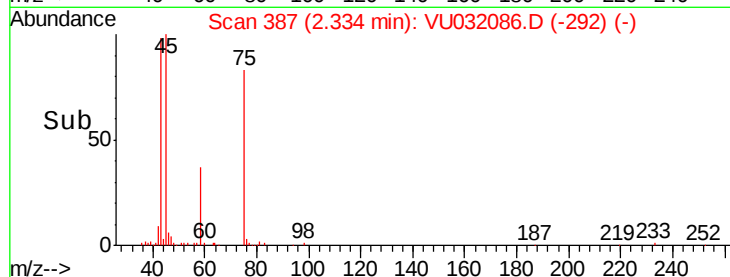
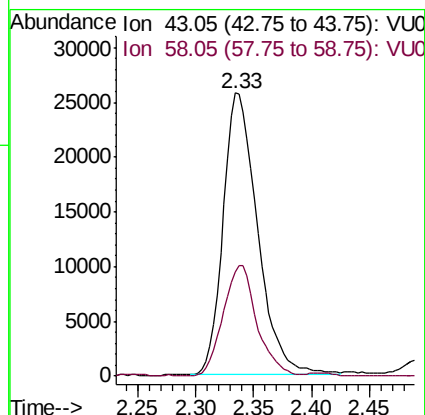
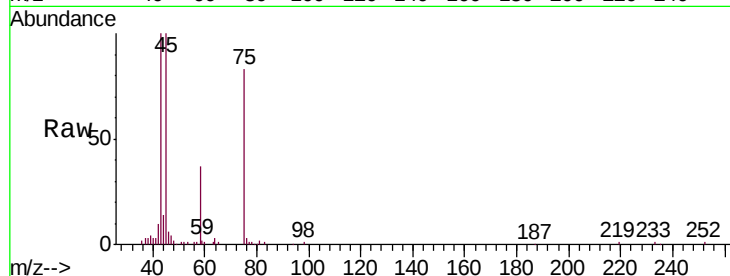
F9W42

Tgt Ion: 43 Resp: 53136

Ion Ratio Lower Upper

43 100

58 38.4 0.0 78.8



#15

Methyl Acetate

Concen: 0.272 ug/L

RT: 2.51 min Scan# 442

Delta R.T. -0.11 min

Lab File: VU032086.D

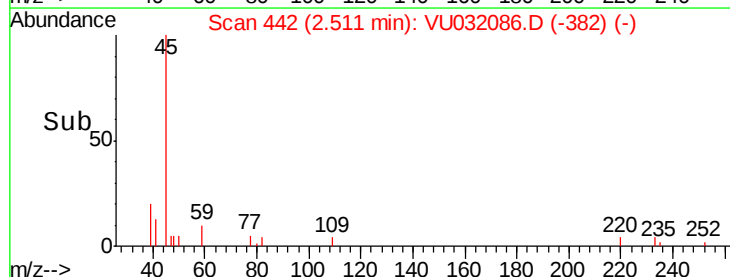
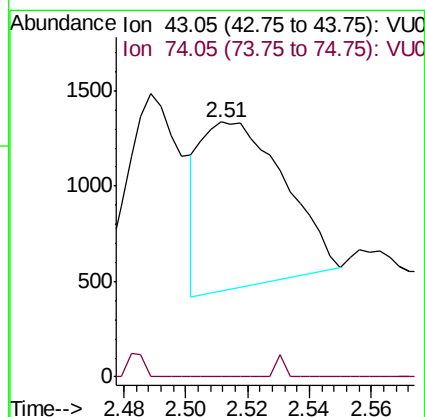
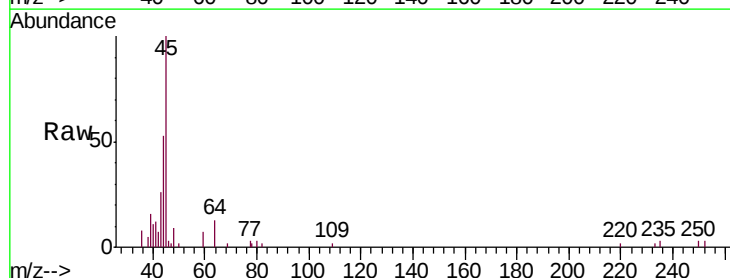
Acq: 17 May 2019 07:25

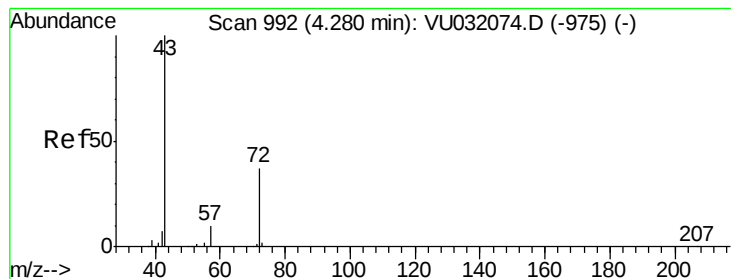
Tgt Ion: 43 Resp: 1627

Ion Ratio Lower Upper

43 100

74 1.4 26.4 39.6#





#21

2-Butanone

Concen: 1.041 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.02 min

Lab File: VU032086.D

Acq: 17 May 2019 07:25

Instrument :

MSVOA_U

ClientSampleId :

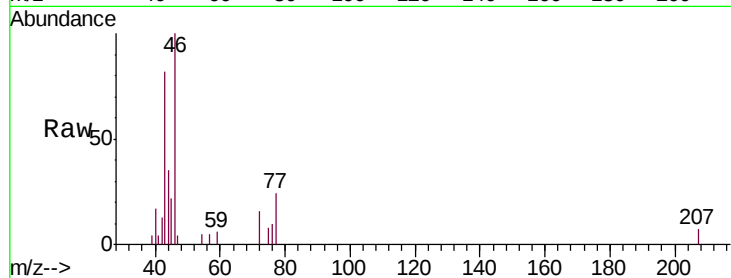
F9W42

Tgt Ion: 43 Resp: 3119

Ion Ratio Lower Upper

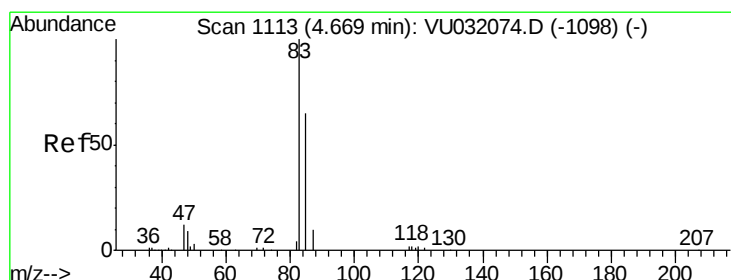
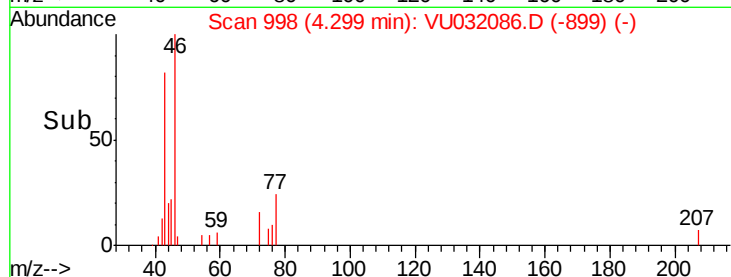
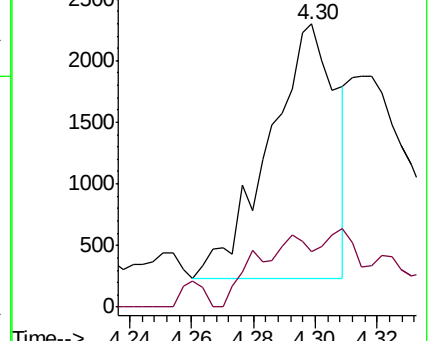
43 100

72 22.9 16.8 50.3



Abundance Ion 43.05 (42.75 to 43.75): VU032074.D (-975) (-)

Ion 72.10 (71.80 to 72.80): VU032074.D (-975) (-)



#25

Chloroform

Concen: 0.255 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VU032086.D

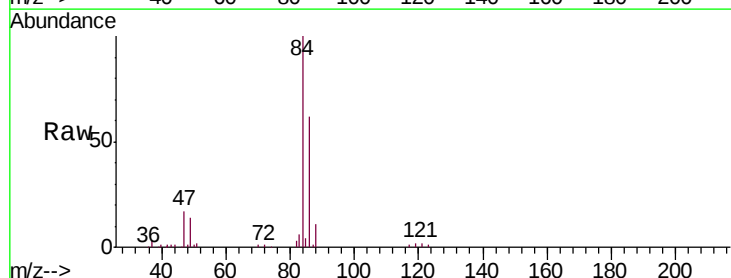
Acq: 17 May 2019 07:25

Tgt Ion: 83 Resp: 7160

Ion Ratio Lower Upper

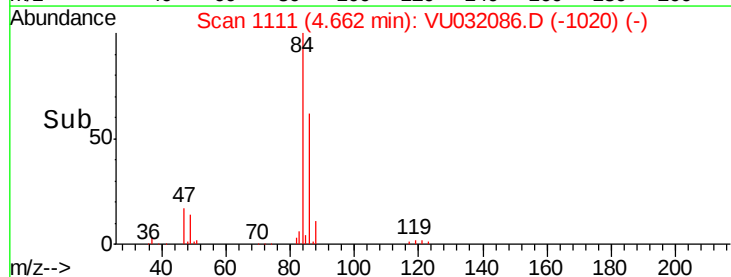
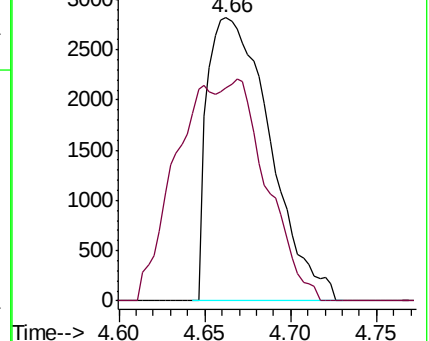
83 100

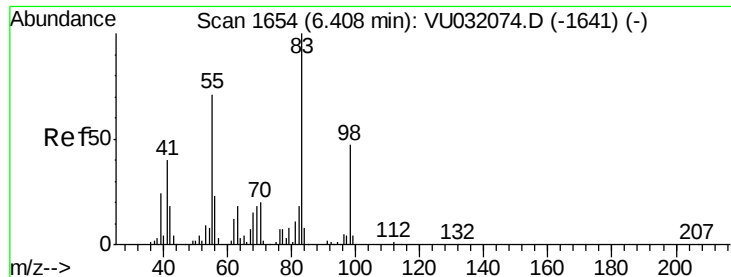
85 75.0 44.9 83.3



Abundance Ion 83.05 (82.75 to 83.75): VU032074.D (-1098) (-)

Ion 85.00 (84.70 to 85.70): VU032074.D (-1098) (-)





#35

Methylcyclohexane

Concen: 1.533 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.08 min

Lab File: VU032086.D

Acq: 17 May 2019 07:25

Instrument :

MSVOA_U

ClientSampleId :

F9W42

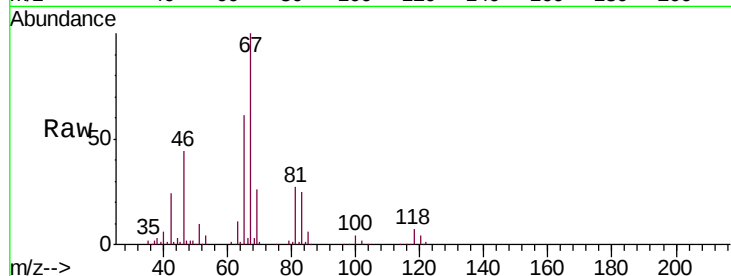
Tgt Ion: 83 Resp: 35998

Ion Ratio Lower Upper

83 100

55 0.1 59.7 89.5#

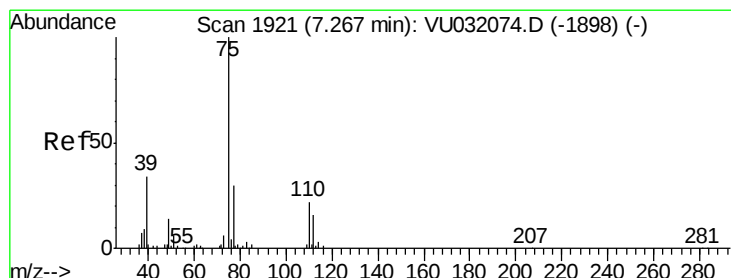
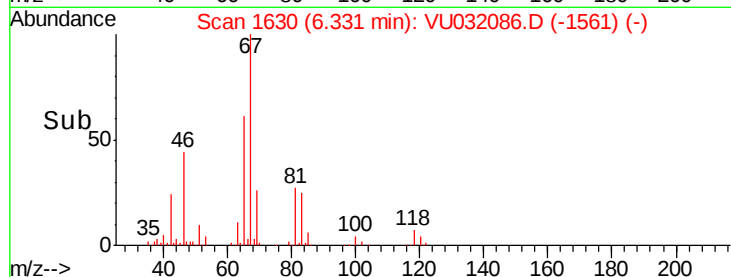
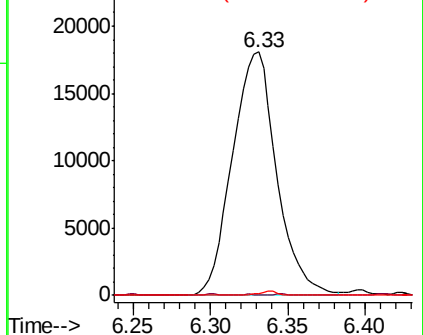
98 0.0 36.8 55.2#



Abundance Ion 83.15 (82.85 to 83.85): VU032074.D (-1641) (-)

Ion 55.10 (54.80 to 55.80): VU032074.D (-1641) (-)

Ion 98.15 (97.85 to 98.85): VU032074.D (-1641) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.164 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU032086.D

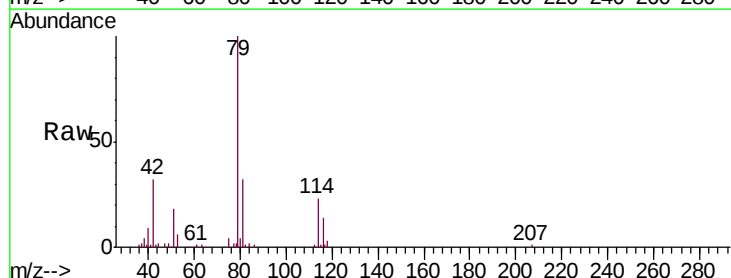
Acq: 17 May 2019 07:25

Tgt Ion: 75 Resp: 3329

Ion Ratio Lower Upper

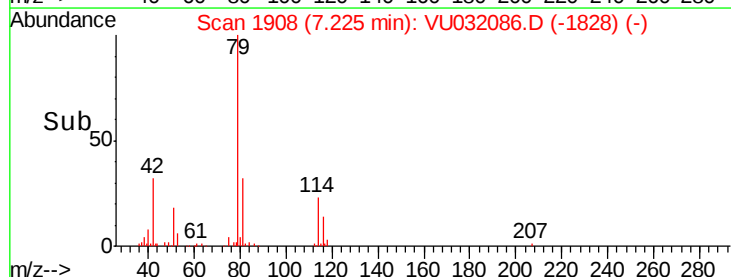
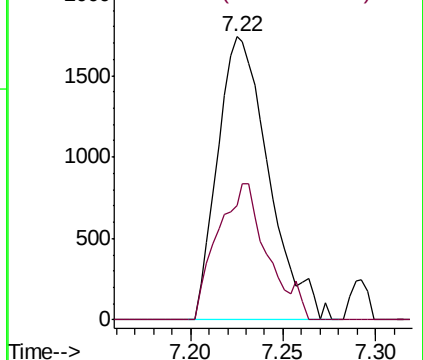
75 100

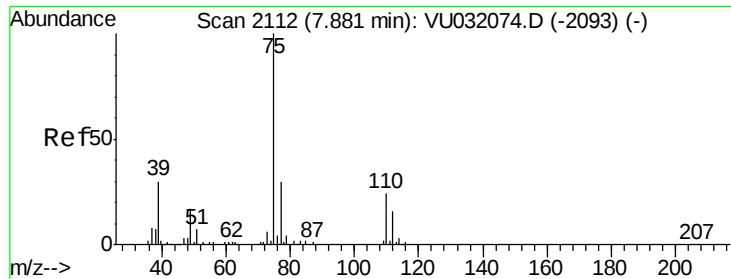
77 40.2 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU032074.D (-1898) (-)

Ion 77.05 (76.75 to 77.75): VU032074.D (-1898) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.111 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU032086.D

Acq: 17 May 2019 07:25

Instrument :

MSVOA_U

ClientSampleId :

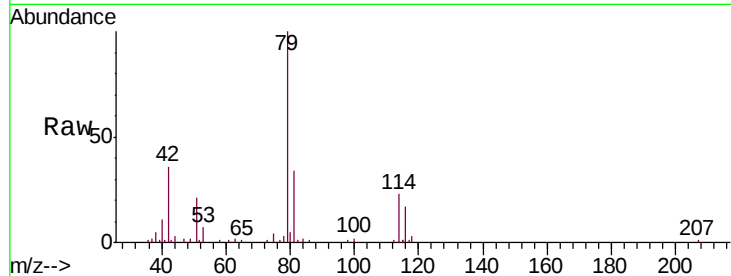
F9W42

Tgt Ion: 75 Resp: 1756

Ion Ratio Lower Upper

75 100

77 31.0 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VU032074.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU032074.D (-2093) (-)

7.85

1000

800

600

400

200

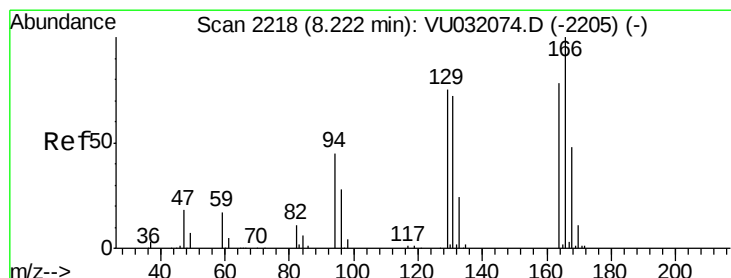
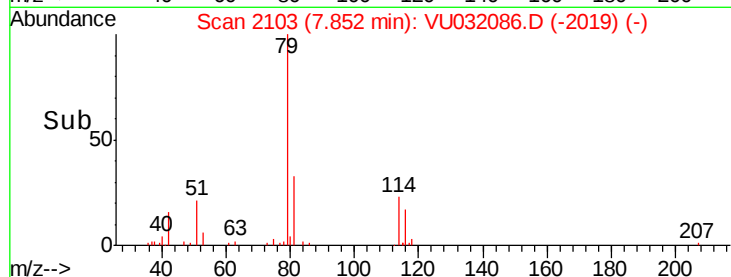
0

7.80

7.85

7.90

Time-->



#47

Tetrachloroethene

Concen: 0.711 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032086.D

Acq: 17 May 2019 07:25

Tgt Ion: 164 Resp: 8674

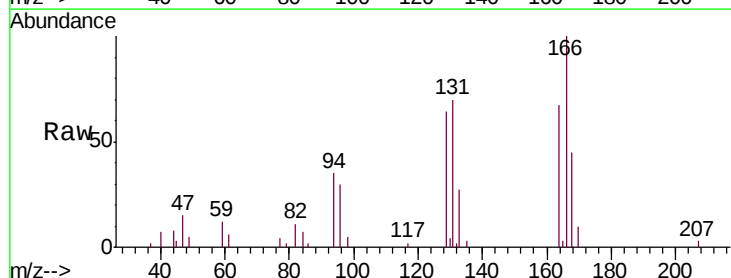
Ion Ratio Lower Upper

164 100

129 96.4 70.3 130.5

131 105.3 64.5 119.9

166 150.2 92.3 171.5



Abundance Ion 163.90 (163.60 to 164.60): VU032074.D (-2205) (-)

Ion 128.95 (128.65 to 129.65): VU032074.D (-2205) (-)

Ion 130.95 (130.65 to 131.65): VU032074.D (-2205) (-)

Ion 165.90 (165.60 to 166.60): VU032074.D (-2205) (-)

10000

8000

6000

4000

2000

0

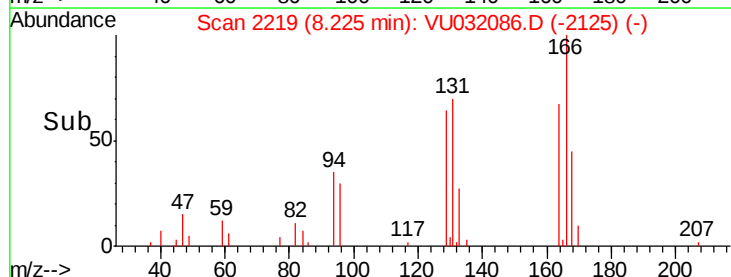
8.15

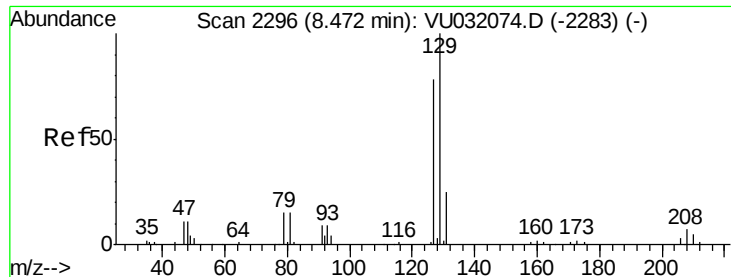
8.20

8.25

8.30

Time-->





#49

Dibromochloromethane

Concen: 0.667 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU032086.D

Acq: 17 May 2019 07:25

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ClientSampleId :

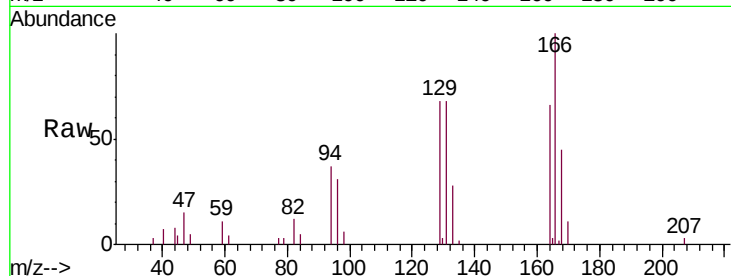
F9W42

Tgt Ion:129 Resp: 8348

Ion Ratio Lower Upper

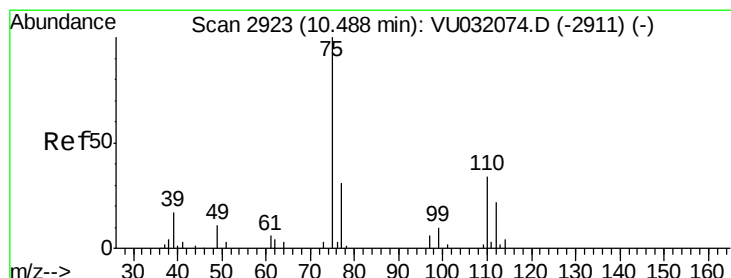
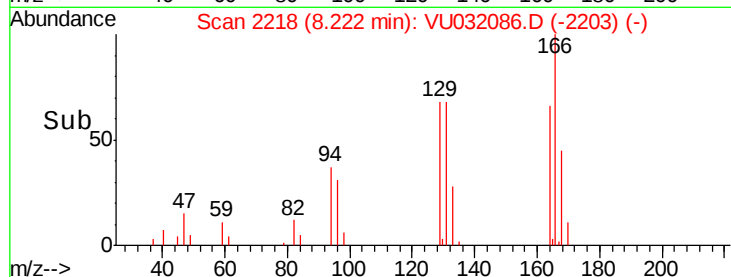
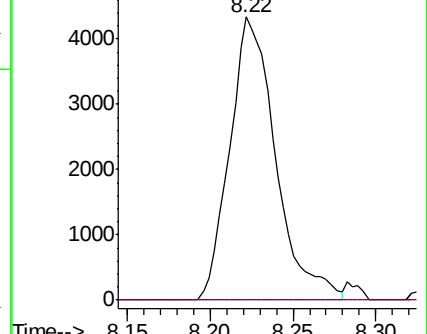
129 100

127 0.0 55.2 102.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.726 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032086.D

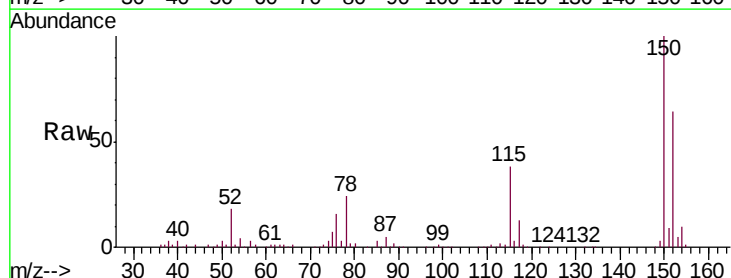
Acq: 17 May 2019 07:25

Tgt Ion: 75 Resp: 16119

Ion Ratio Lower Upper

75 100

77 37.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

