

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031119\
 Data File : VU029901.D
 Acq On : 08 Mar 2019 20:29
 Operator : JC/SP
 Sample : K1796-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF5Q4

Quant Time: Mar 08 22:19:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 08 22:13:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	464843	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	452282	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	216721	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	124063	36.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.84%
7) Chloroethane-d5	1.68	69	112995	37.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.62%
11) 1,1-Dichloroethene-d2	2.27	63	178260	26.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.54%#
21) 2-Butanone-d5	4.17	46	238543	115.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.08%
24) Chloroform-d	4.65	84	254321	46.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.06%
26) 1,2-Dichloroethane-d4	5.31	65	167616	47.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.84%
32) Benzene-d6	5.34	84	561440	49.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.66%
36) 1,2-Dichloropropane-d6	6.33	67	182224	53.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.44%
41) Toluene-d8	7.56	98	516012	44.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.86%
43) trans-1,3-Dichloropropene-	7.85	79	78469	43.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.42%
47) 2-Hexanone-d5	8.31	63	190664	99.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.99%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	287114	49.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.26%
64) 1,2-Dichlorobenzene-d4	11.86	152	223195	47.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.58%

Target Compounds

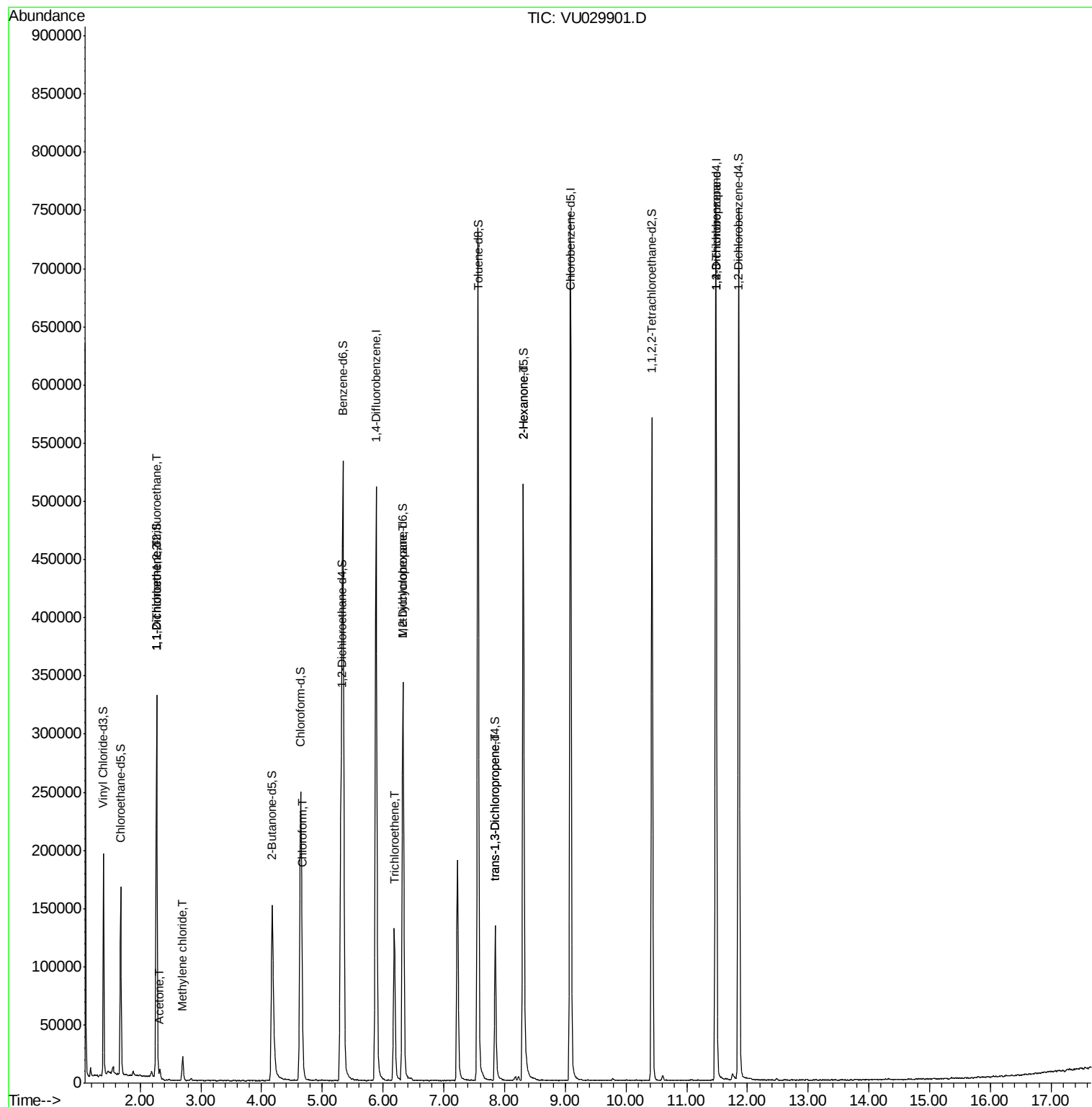
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1835	0.567	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	1738	0.565	ug/L #	1
13) Acetone	2.32	43	6409	2.893	ug/L	97
16) Methylene chloride	2.70	84	9798	3.289	ug/L	93
25) Chloroform	4.67	83	17439	3.182	ug/L	98
34) Trichloroethene	6.19	95	47444	15.188	ug/L	97
35) Methylcyclohexane	6.33	83	41461	7.992	ug/L #	22
44) trans-1,3-Dichloropropene	7.85	75	3164	0.684	ug/L #	79
48) 2-Hexanone	8.31	43	19935	5.331	ug/L #	71
59) 1,2,3-Trichloropropane	11.48	75	22230	5.122	ug/L	95

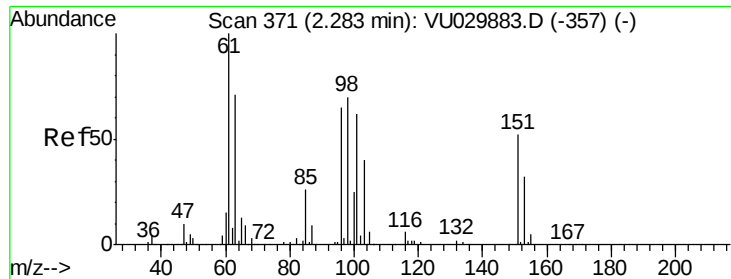
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Mar 08 22:13:16 2019
Response via : Initial Calibration





#10

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

Concen: 0.567 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029901.D

Acq: 08 Mar 2019 20:29

Instrument :

MSVOA_U

ClientSampled :

BF5Q4

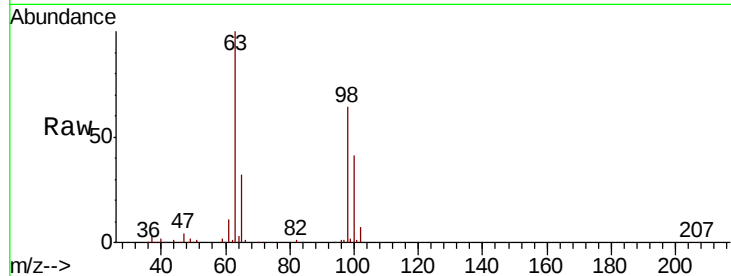
Tgt Ion: 101 Resp: 1835

Ion Ratio Lower Upper

101 100

85 0.0 33.0 49.6#

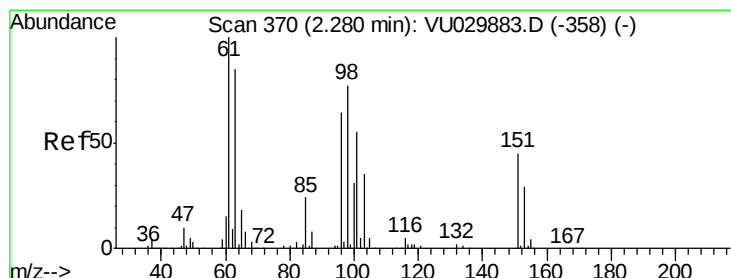
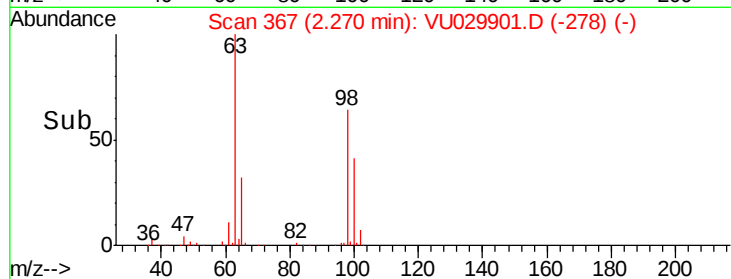
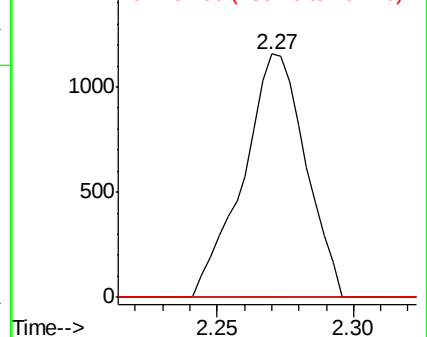
151 0.0 65.7 98.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.565 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029901.D

Acq: 08 Mar 2019 20:29

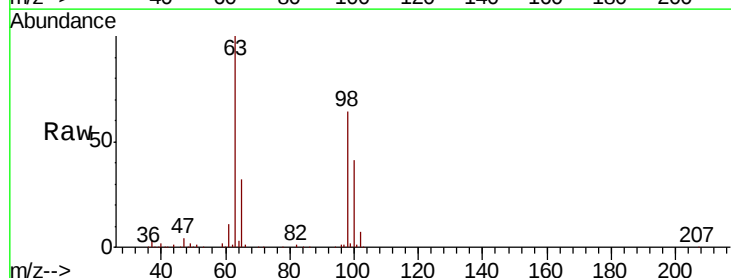
Tgt Ion: 96 Resp: 1738

Ion Ratio Lower Upper

96 100

61 1309.5 114.0 211.8#

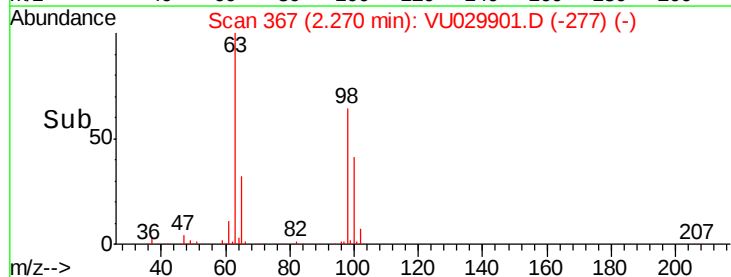
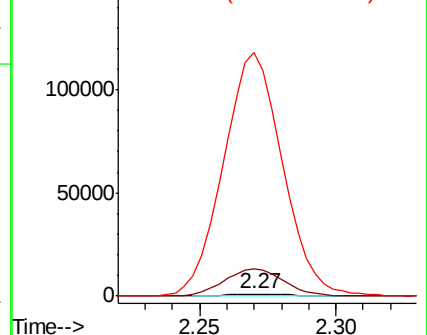
63 11868.8 98.7 183.3#

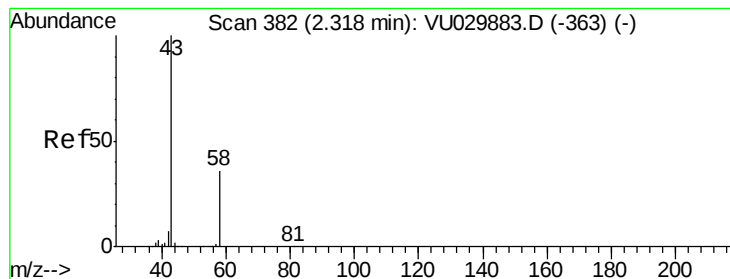


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.893 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029901.D

Acq: 08 Mar 2019 20:29

Instrument :

MSVOA_U

ClientSampleId :

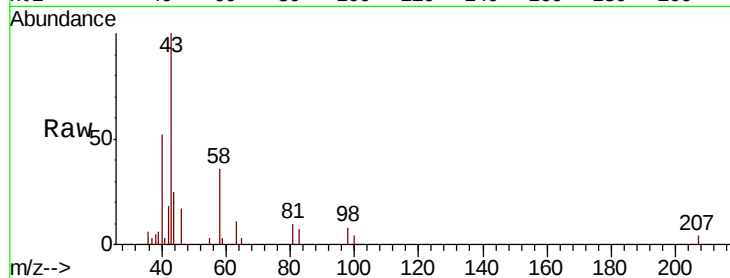
BF5Q4

Tgt Ion: 43 Resp: 6409

Ion Ratio Lower Upper

43 100

58 31.5 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VU029883.D (-363) (-)

Ion 58.00 (57.70 to 58.70): VU029883.D (-363) (-)

2.32

4000

3000

2000

1000

0

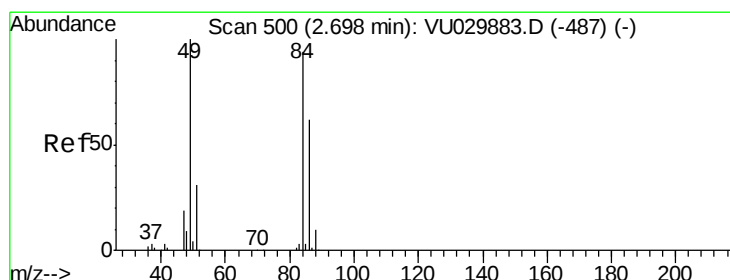
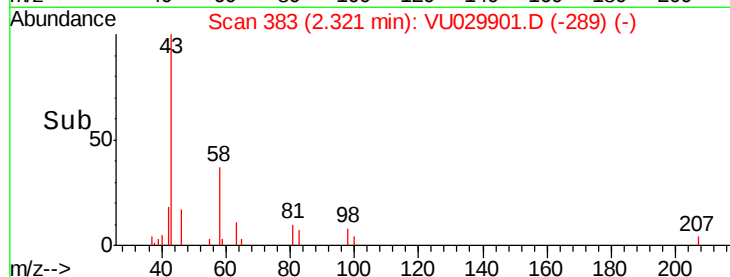
Time-->

2.25

2.30

2.35

2.40



#16

Methylene chloride

Concen: 3.289 ug/L

RT: 2.70 min Scan# 501

Delta R.T. 0.00 min

Lab File: VU029901.D

Acq: 08 Mar 2019 20:29

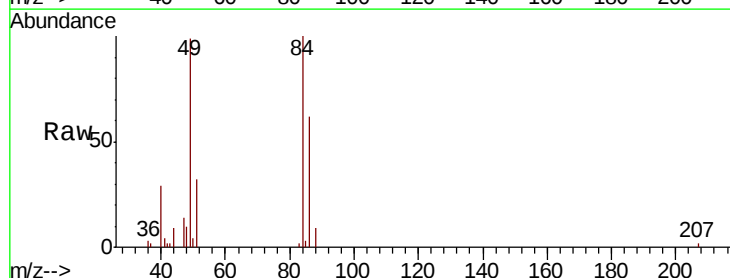
Tgt Ion: 84 Resp: 9798

Ion Ratio Lower Upper

84 100

86 61.5 45.8 85.0

49 99.1 75.1 139.5



Abundance Ion 84.00 (83.70 to 84.70): VU029883.D (-487) (-)

Ion 86.00 (85.70 to 86.70): VU029883.D (-487) (-)

Ion 49.00 (48.70 to 49.70): VU029883.D (-487) (-)

8000

6000

4000

2000

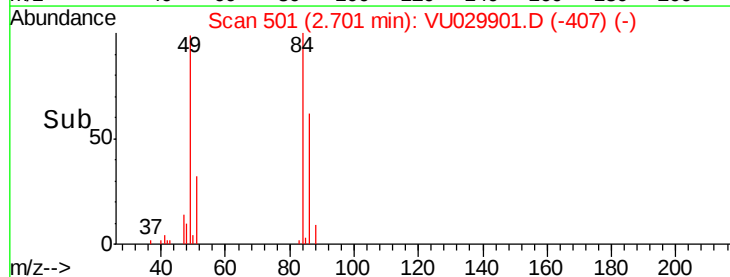
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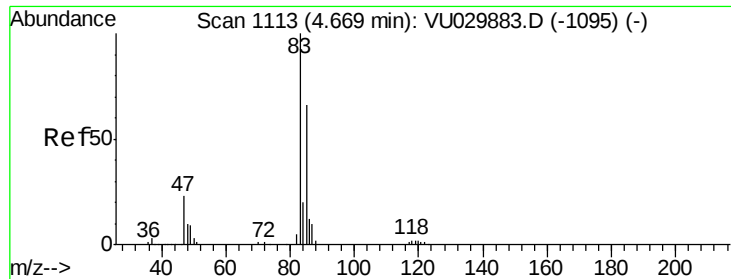
Time-->

2.65

2.70

2.75





#25

Chloroform

Concen: 3.182 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029901.D

Acq: 08 Mar 2019 20:29

Instrument :

MSVOA_U

ClientSampleId :

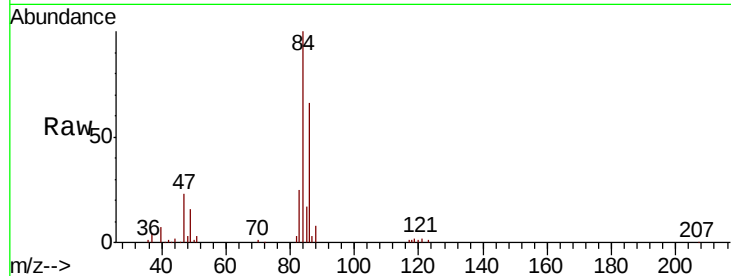
BF5Q4

Tgt Ion: 83 Resp: 17439

Ion Ratio Lower Upper

83 100

85 66.6 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VU029883.D (-1095) (-)

Ion 85.00 (84.70 to 85.70): VU029883.D (-1095) (-)

4.67

6000

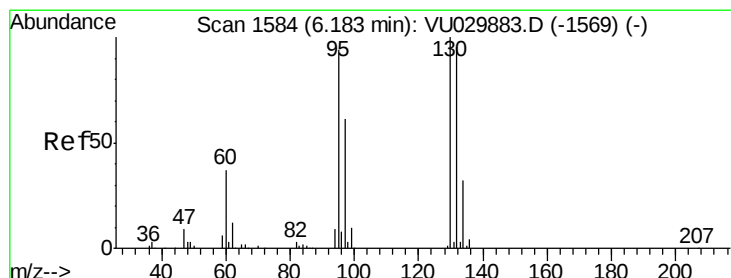
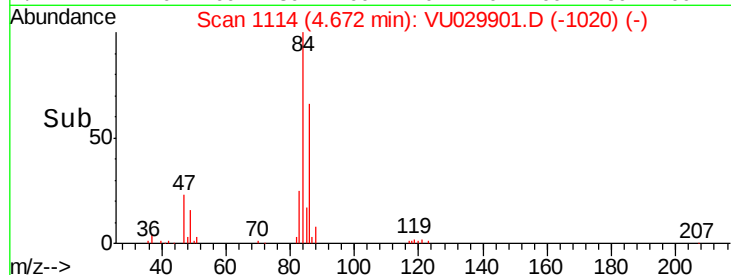
4000

2000

0

4.60 4.65 4.70 4.75

Time-->



#34

Trichloroethene

Concen: 15.188 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU029901.D

Acq: 08 Mar 2019 20:29

Tgt Ion: 95 Resp: 47444

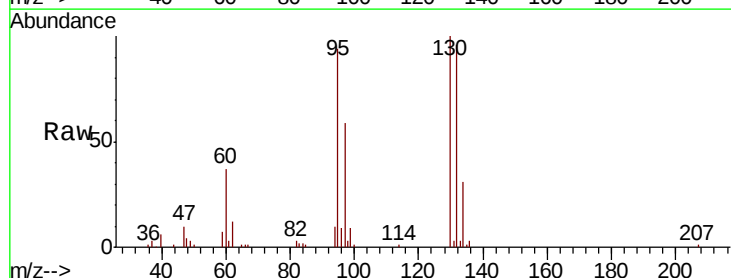
Ion Ratio Lower Upper

95 100

97 62.3 44.6 82.8

132 102.5 74.6 138.6

130 106.5 77.2 143.4



Abundance Ion 95.00 (94.70 to 95.70): VU029883.D (-1569) (-)

Ion 97.00 (96.70 to 97.70): VU029883.D (-1569) (-)

Ion 132.00 (131.70 to 132.70): VU029883.D (-1569) (-)

Ion 130.00 (129.70 to 130.70): VU029883.D (-1569) (-)

40000

30000

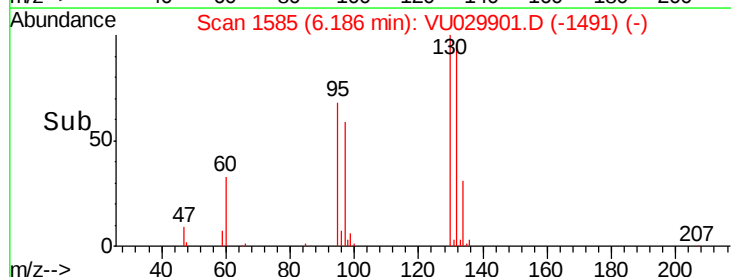
20000

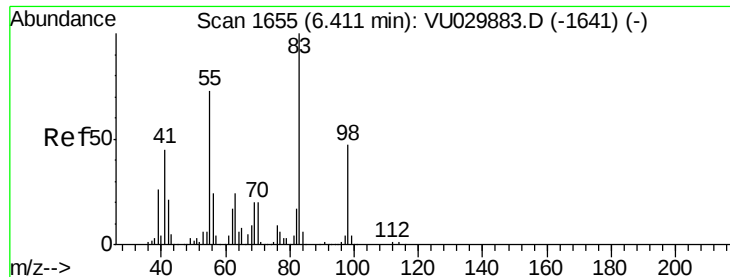
10000

0

6.10 6.15 6.20 6.25

Time-->

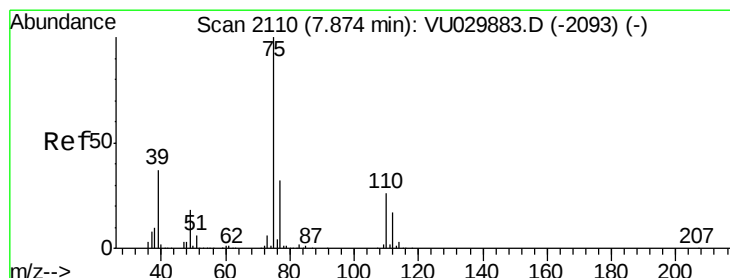
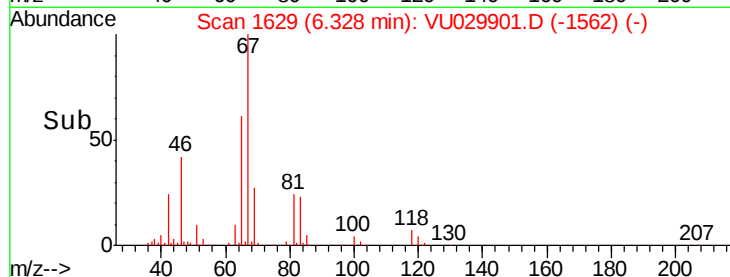
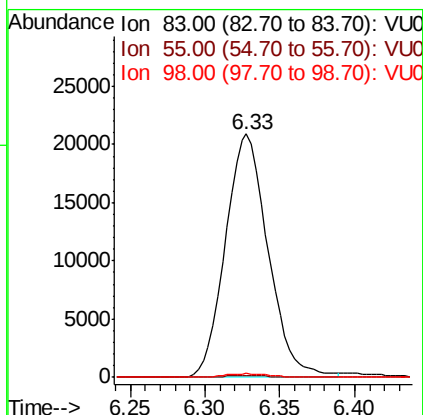
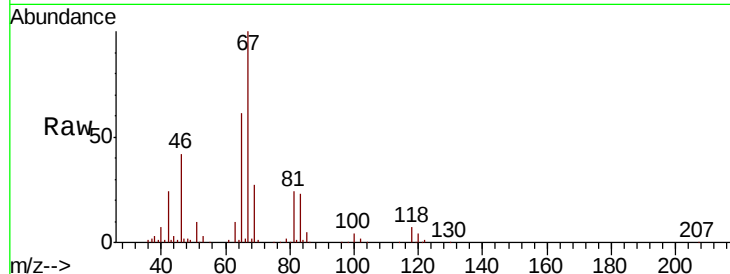




#35
Methylcyclohexane
Concen: 7.992 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU029901.D
Acq: 08 Mar 2019 20:29

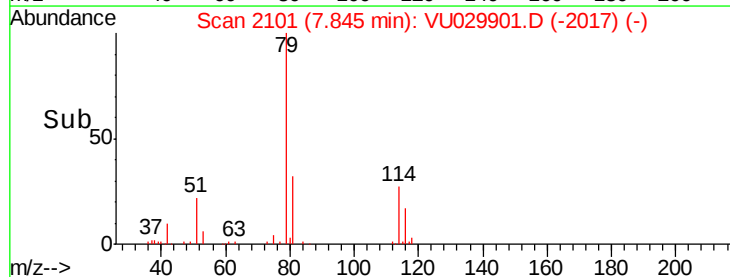
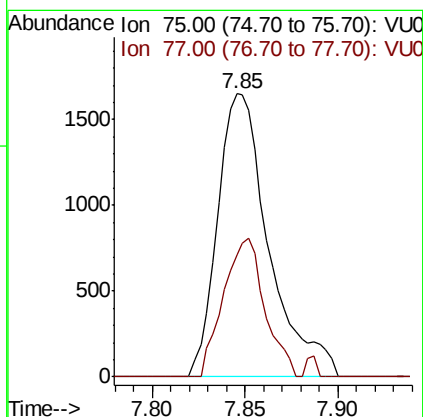
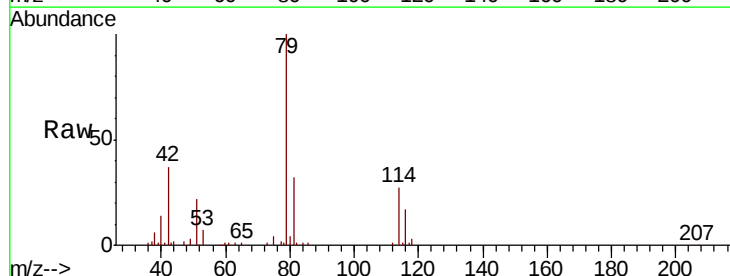
Instrument :
MSVOA_U
ClientSampled :
BF5Q4

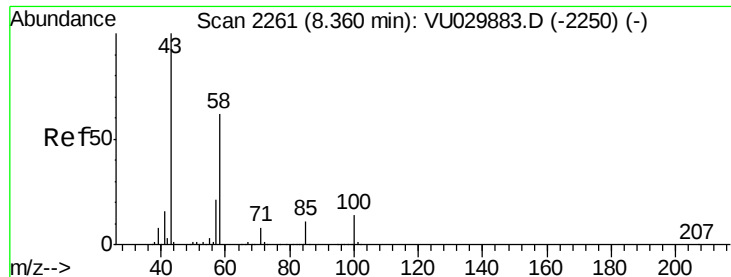
Tgt Ion: 83 Resp: 41461
Ion Ratio Lower Upper
83 100
55 0.3 55.2 82.8#
98 1.5 39.4 59.2#



#44
trans-1,3-Dichloropropene
Concen: 0.684 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU029901.D
Acq: 08 Mar 2019 20:29

Tgt Ion: 75 Resp: 3164
Ion Ratio Lower Upper
75 100
77 43.3 22.1 41.1#

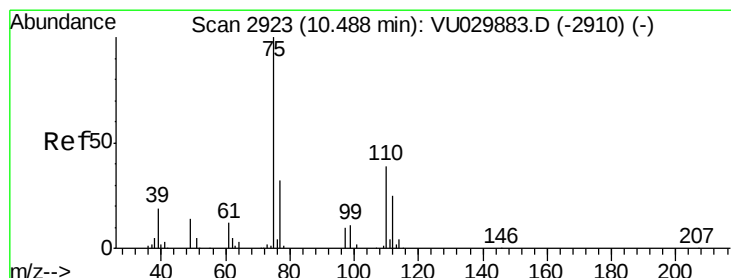
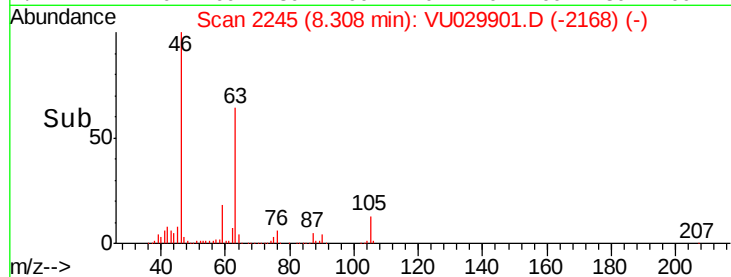
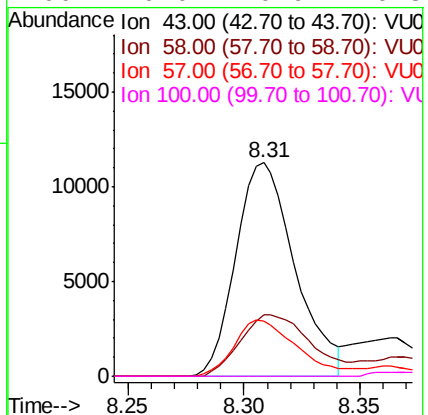
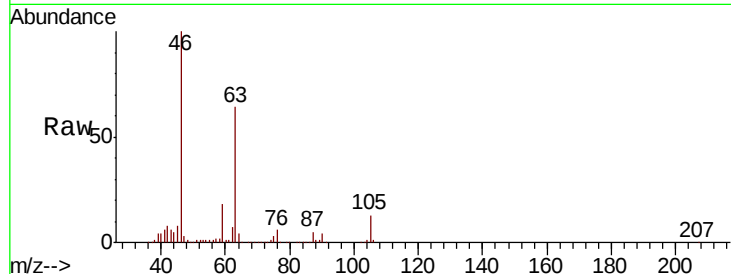




#48
 2-Hexanone
 Concen: 5.331 ug/L
 RT: 8.31 min Scan# 2245
 Delta R.T. -0.05 min
 Lab File: VU029901.D
 Acq: 08 Mar 2019 20:29

Instrument :
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 ClientSampleId :
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Tgt Ion:	43	Resp:	19935
Ion	Ratio	Lower	Upper
43	100		
58	34.8	46.4	69.6#
57	28.3	15.7	23.5#
100	0.0	10.9	16.3#



#59
 1,2,3-Trichloropropane
 Concen: 5.122 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU029901.D
 Acq: 08 Mar 2019 20:29

Tgt Ion:	75	Resp:	22230
Ion	Ratio	Lower	Upper
75	100		
77	34.9	25.7	38.5

