

Data File : VU029858.D
Acq On : 07 Mar 2019 17:29
Operator : JC/SP
Sample : K1734-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF1E6

Quant Time: Mar 08 04:34:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 04:31:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	460494	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	446626	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	206791	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	133946	39.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.40%
7) Chloroethane-d5	1.68	69	117884	39.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.60%
11) 1,1-Dichloroethene-d2	2.27	63	193099	29.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.56%#
21) 2-Butanone-d5	4.17	46	222727	108.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.46%
24) Chloroform-d	4.65	84	266262	48.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.30%
26) 1,2-Dichloroethane-d4	5.31	65	164408	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.90%
32) Benzene-d6	5.34	84	557323	49.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.18%
36) 1,2-Dichloropropane-d6	6.33	67	178252	52.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.44%
41) Toluene-d8	7.56	98	514529	44.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.72%
43) trans-1,3-Dichloropropene-	7.85	79	79122	44.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.24%
47) 2-Hexanone-d5	8.31	63	177100	94.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	271231	47.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.96%
64) 1,2-Dichlorobenzene-d4	11.86	152	215064	48.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.52%

Target Compounds

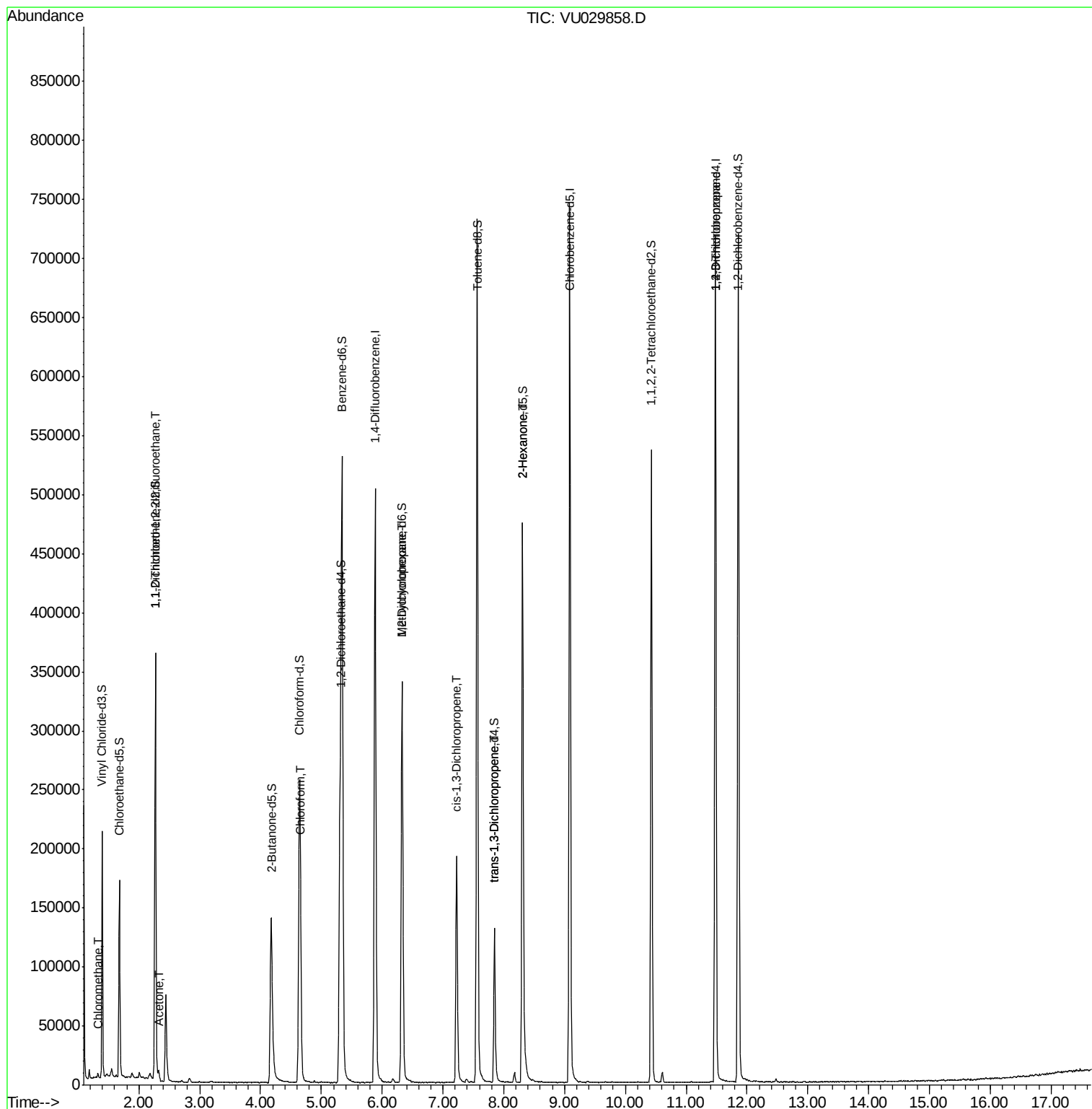
					Qvalue
3) Chloromethane	1.33	50	2519	0.909 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1867	0.582 ug/L #	17
13) Acetone	2.32	43	6831	3.113 ug/L	98
25) Chloroform	4.67	83	3457	0.637 ug/L	75
35) Methylcyclohexane	6.33	83	40937	7.991 ug/L #	21
39) cis-1,3-Dichloropropene	7.23	75	4748	0.979 ug/L #	65
44) trans-1,3-Dichloropropene	7.85	75	2923	0.640 ug/L #	76
48) 2-Hexanone	8.31	43	19008	5.148 ug/L #	73
59) 1,2,3-Trichloropropane	11.48	75	21577	5.035 ug/L	94

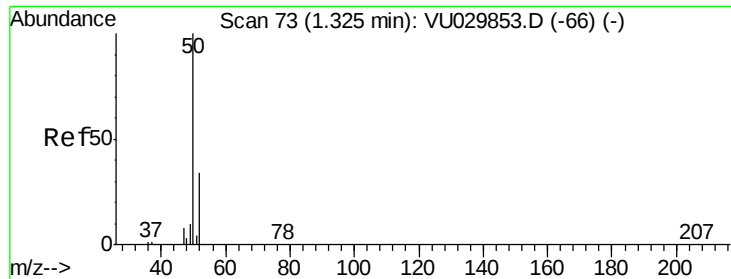
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.909 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029858.D

Acq: 07 Mar 2019 17:29

Instrument :

MSVOA_U

ClientSampleId :

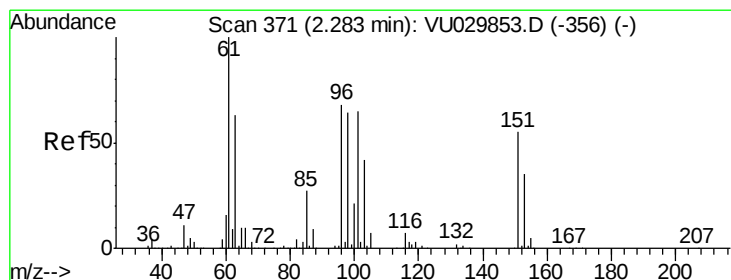
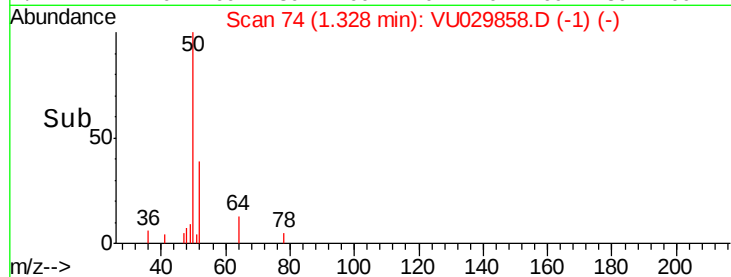
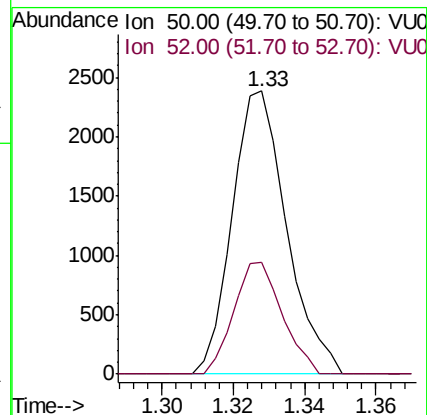
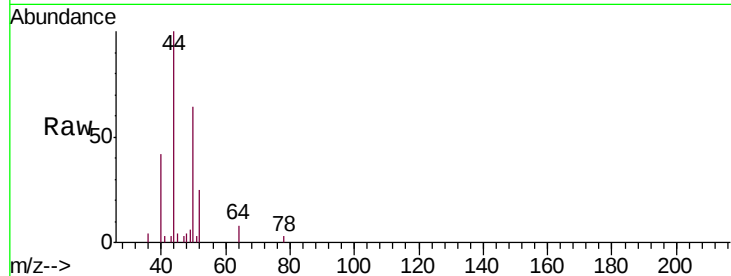
BF1E6

Tgt Ion: 50 Resp: 2519

Ion Ratio Lower Upper

50 100

52 39.3 23.9 44.3



#10

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

Concen: 0.582 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029858.D

Acq: 07 Mar 2019 17:29

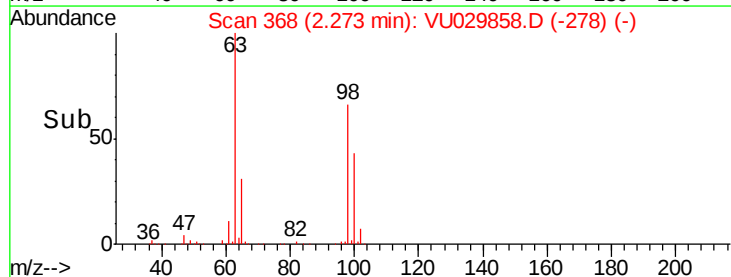
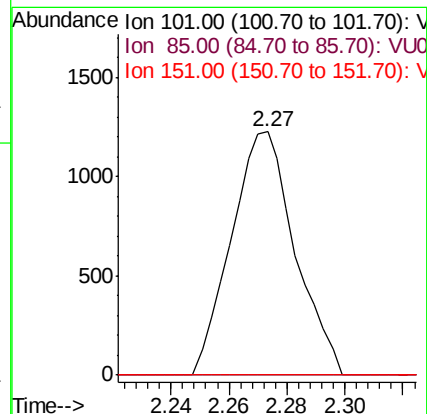
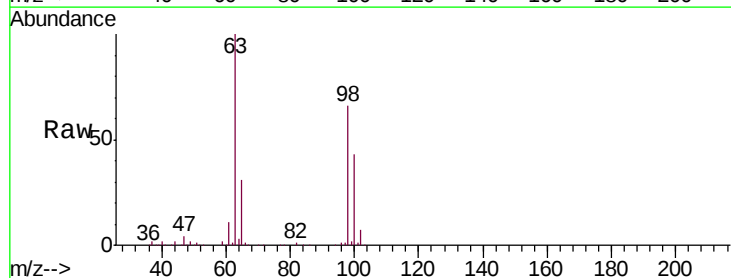
Tgt Ion: 101 Resp: 1867

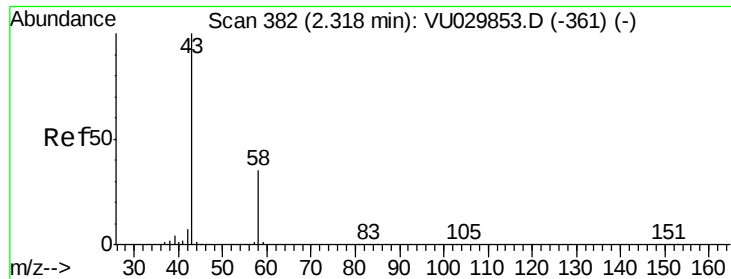
Ion Ratio Lower Upper

101 100

85 0.0 33.0 49.6#

151 0.0 65.7 98.5#





#13

Acetone

Concen: 3.113 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029858.D

Acq: 07 Mar 2019 17:29

Instrument :

MSVOA_U

ClientSampleId :

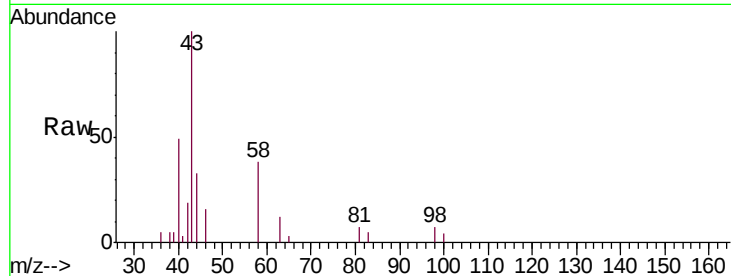
BF1E6

Tgt Ion: 43 Resp: 6831

Ion Ratio Lower Upper

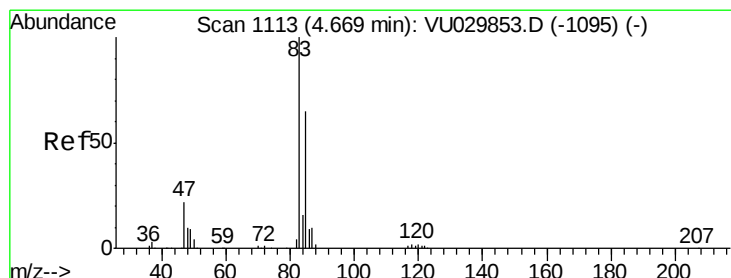
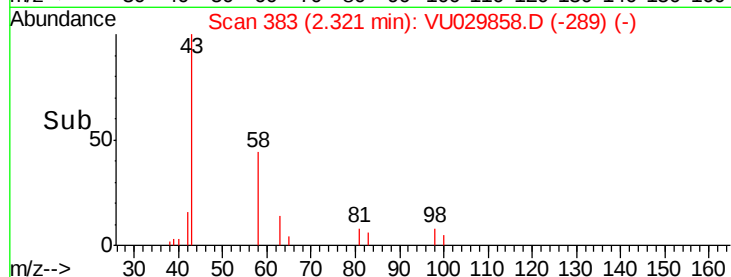
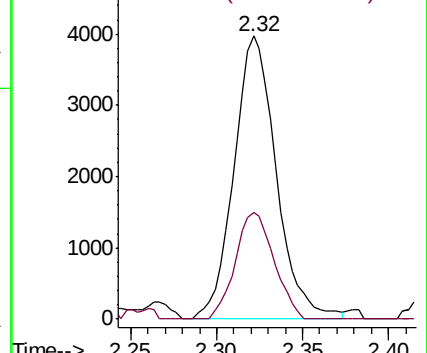
43 100

58 34.3 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#25

Chloroform

Concen: 0.637 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU029858.D

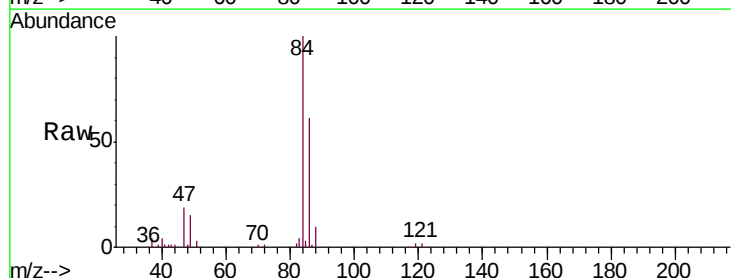
Acq: 07 Mar 2019 17:29

Tgt Ion: 83 Resp: 3457

Ion Ratio Lower Upper

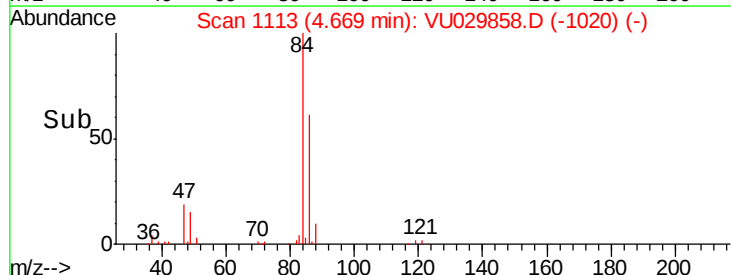
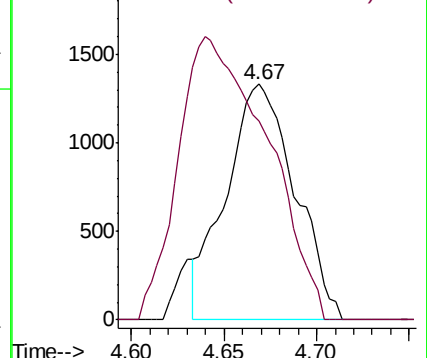
83 100

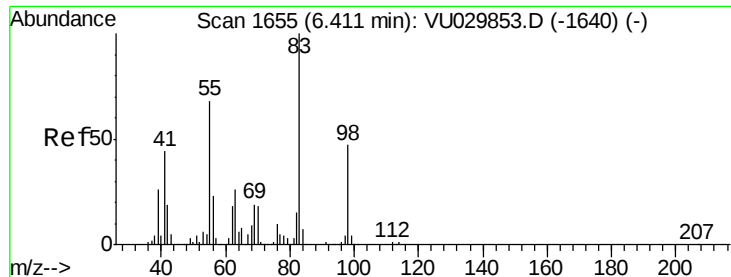
85 84.2 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#35

Methylcyclohexane

Concen: 7.991 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU029858.D

Acq: 07 Mar 2019 17:29

Instrument :

MSVOA_U

ClientSampled :

BF1E6

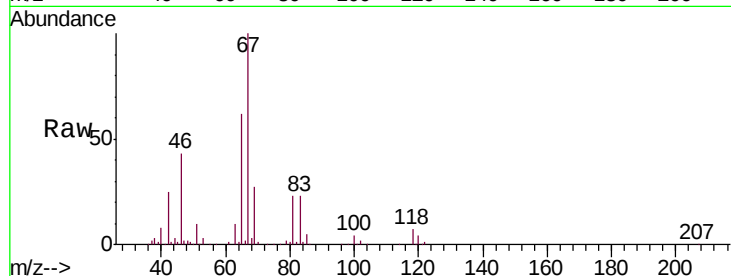
Tgt Ion: 83 Resp: 40937

Ion Ratio Lower Upper

83 100

55 0.2 55.2 82.8#

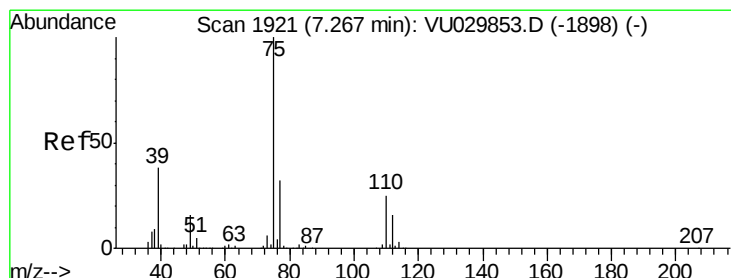
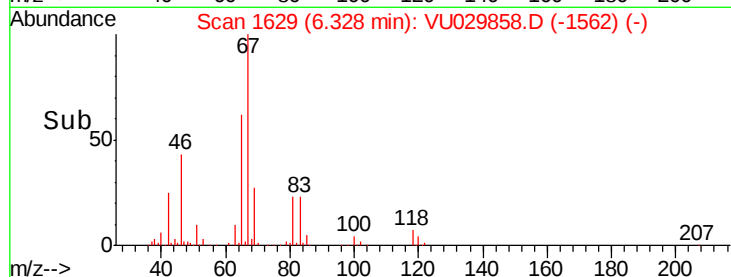
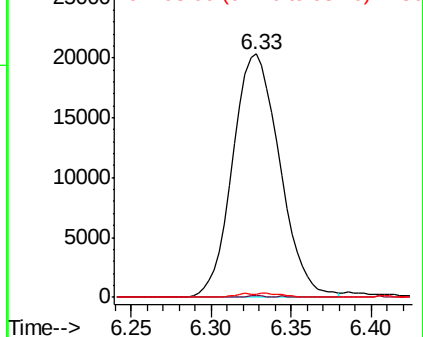
98 0.7 39.4 59.2#



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#39

cis-1,3-Dichloropropene

Concen: 0.979 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU029858.D

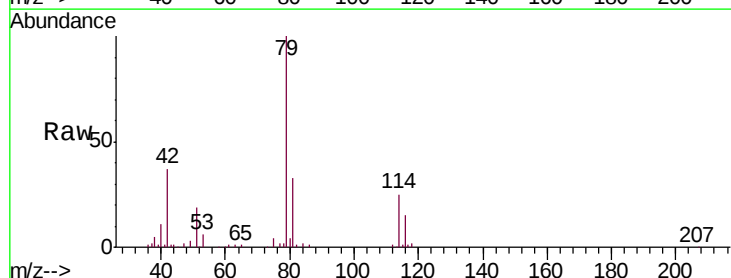
Acq: 07 Mar 2019 17:29

Tgt Ion: 75 Resp: 4748

Ion Ratio Lower Upper

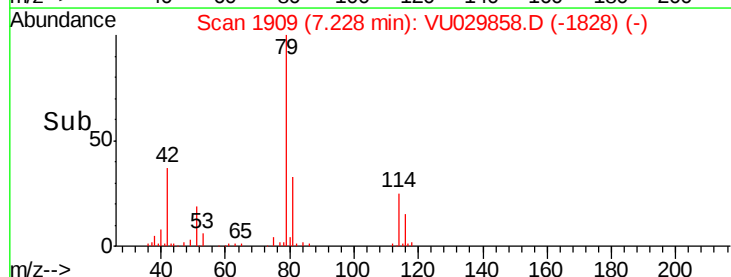
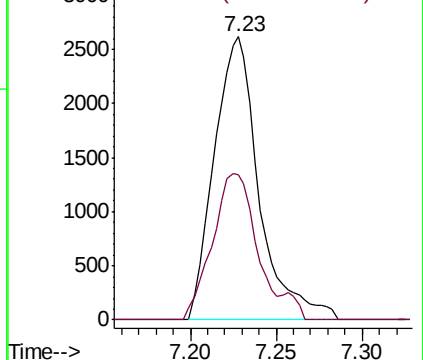
75 100

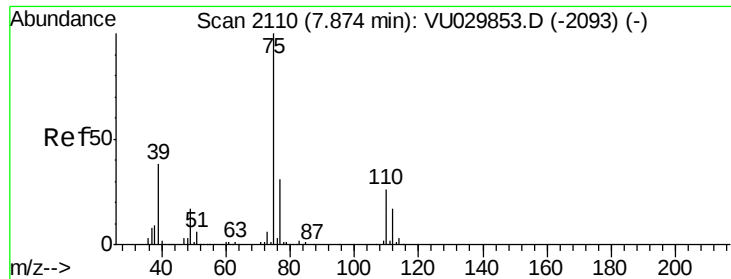
77 51.4 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.640 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU029858.D

Acq: 07 Mar 2019 17:29

Instrument :

MSVOA_U

ClientSampleId :

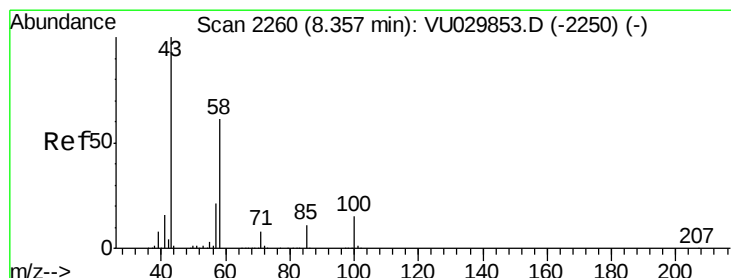
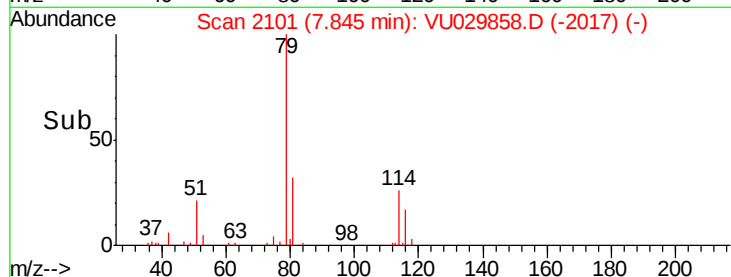
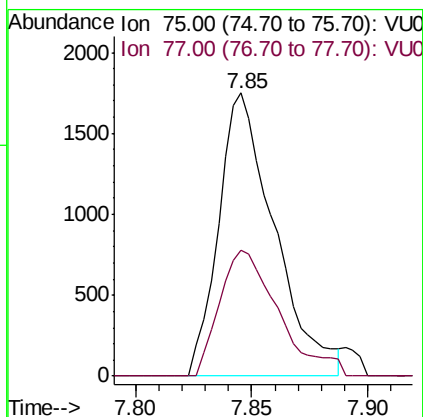
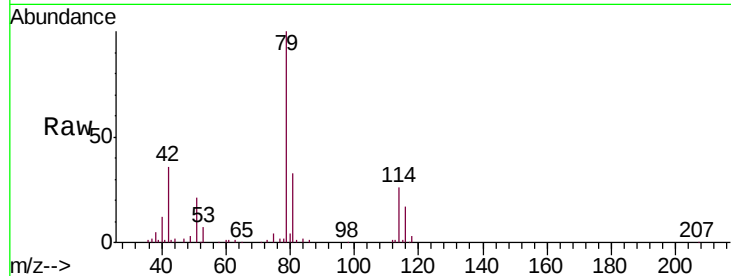
BF1E6

Tgt Ion: 75 Resp: 2923

Ion Ratio Lower Upper

75 100

77 44.7 22.1 41.1#



#48

2-Hexanone

Concen: 5.148 ug/L

RT: 8.31 min Scan# 2245

Delta R.T. -0.05 min

Lab File: VU029858.D

Acq: 07 Mar 2019 17:29

Tgt Ion: 43 Resp: 19008

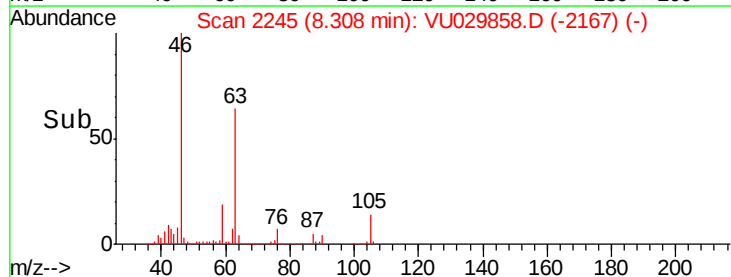
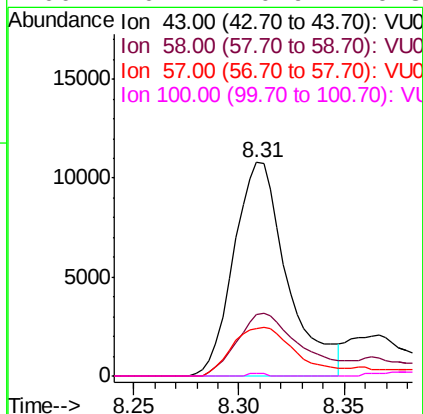
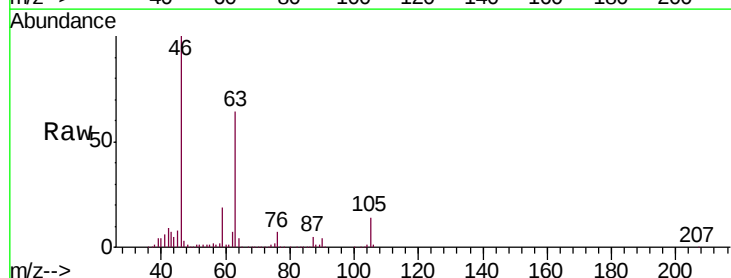
Ion Ratio Lower Upper

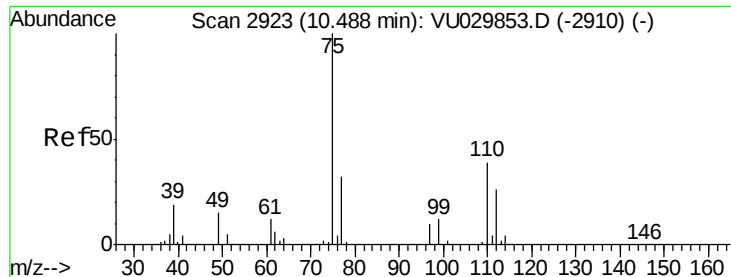
43 100

58 35.7 46.4 69.6#

57 27.0 15.7 23.5#

100 0.4 10.9 16.3#





#59

1,2,3-Trichloropropane

Concen: 5.035 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029858.D

Acq: 07 Mar 2019 17:29

Instrument :

MSVOA_U

ClientSampleId :

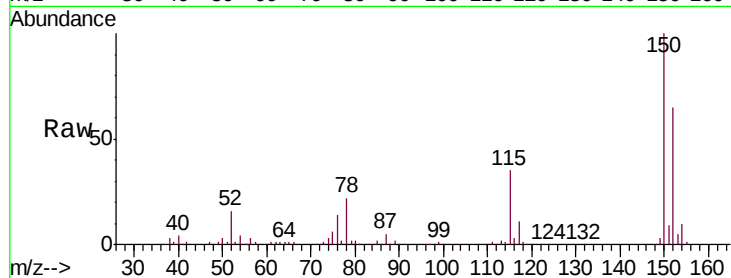
BF1E6

Tgt Ion: 75 Resp: 21577

Ion Ratio Lower Upper

75 100

77 35.5 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

