

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081019\
 Data File : VU033738.D
 Acq On : 11 Aug 2019 00:46
 Operator : JC/SP
 Sample : K4289-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B30

Quant Time: Aug 11 04:54:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sun Aug 11 04:51:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	288551	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	282345	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	136276	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	92033	43.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.66%
7) Chloroethane-d5	1.67	69	80108	37.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.26%
11) 1,1-Dichloroethene-d2	2.26	63	116213	32.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.08%
21) 2-Butanone-d5	4.16	46	98588	74.87	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	74.87%
24) Chloroform-d	4.62	84	113307	35.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.80%
26) 1,2-Dichloroethane-d4	5.29	65	70034	35.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.98%
32) Benzene-d6	5.32	84	243541	36.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.10%
36) 1,2-Dichloropropane-d6	6.31	67	73295	35.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	71.68%
41) Toluene-d8	7.55	98	210672	33.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	67.22%#
43) trans-1,3-Dichloropropene-	7.83	79	30513	29.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.10%#
47) 2-Hexanone-d5	8.30	63	66397	62.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	62.69%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	101510	33.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	67.12%
64) 1,2-Dichlorobenzene-d4	11.84	152	77978	34.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	68.00%#

Target Compounds

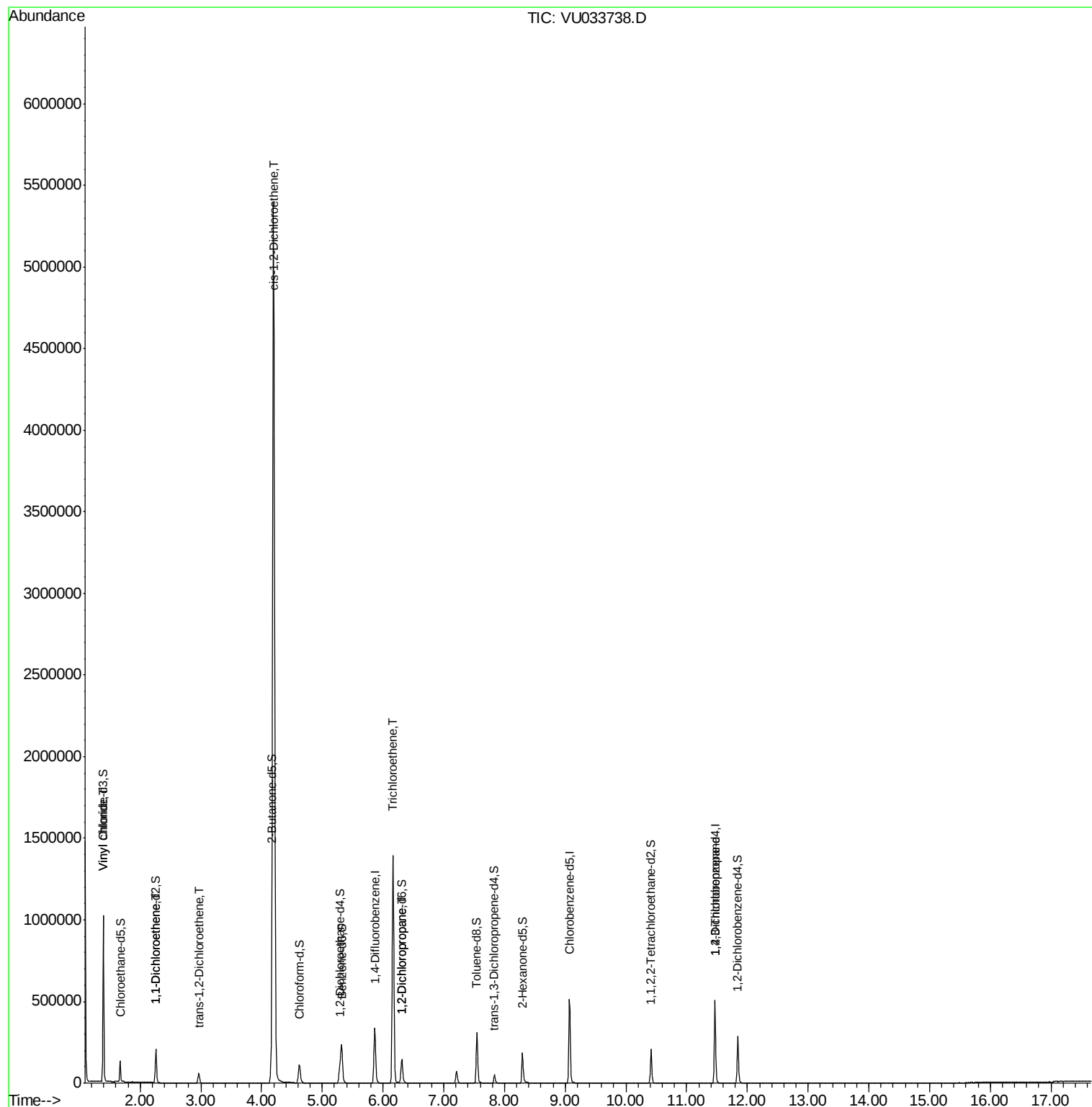
						Qvalue
5) Vinyl chloride	1.39	62	579519	238.579	ug/L	96
12) 1,1-Dichloroethene	2.27	96	5386	3.174	ug/L #	1
17) trans-1,2-Dichloroethene	2.96	96	25316	13.921	ug/L	94
20) cis-1,2-Dichloroethene	4.20	96	2965342	1429.551	ug/L	94
34) Trichloroethene	6.16	95	472599	227.951	ug/L	97
37) 1,2-Dichloropropane	6.31	63	7989	3.810	ug/L #	88
59) 1,2,3-Trichloropropane	11.47	75	16041	5.658	ug/L	92

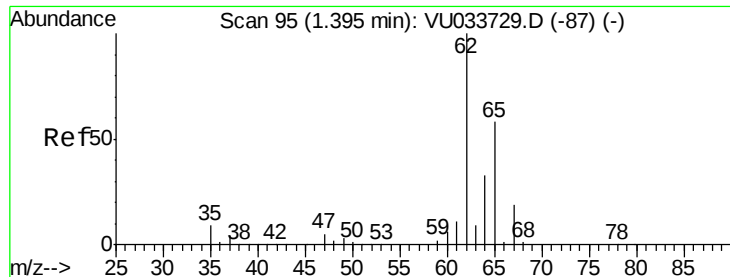
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 238.579 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

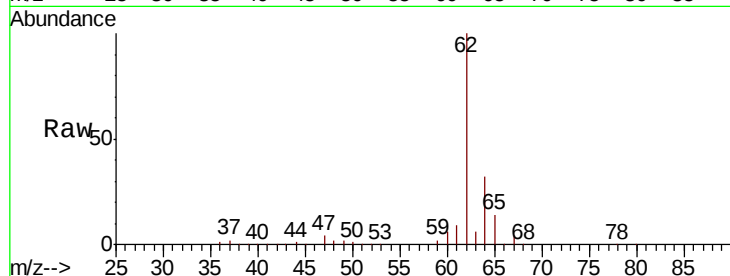
F2B30

Tgt Ion: 62 Resp: 579519

Ion Ratio Lower Upper

62 100

64 31.8 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU033729.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU033729.D (-87) (-)

1.39

600000

500000

400000

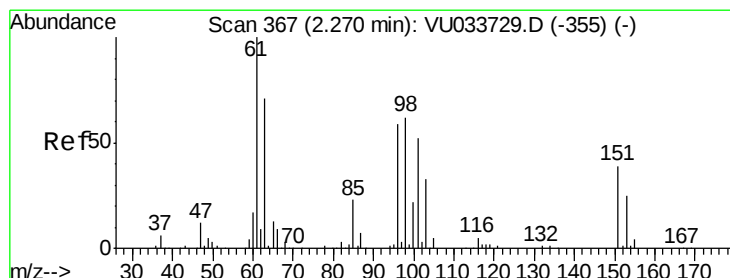
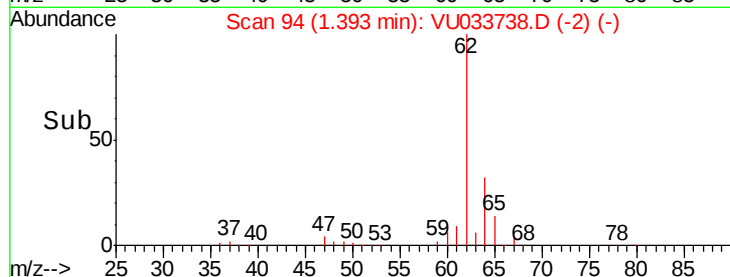
300000

200000

100000

0

Time-->



#12

1,1-Dichloroethene

Concen: 3.174 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033738.D

Acq: 11 Aug 2019 00:46

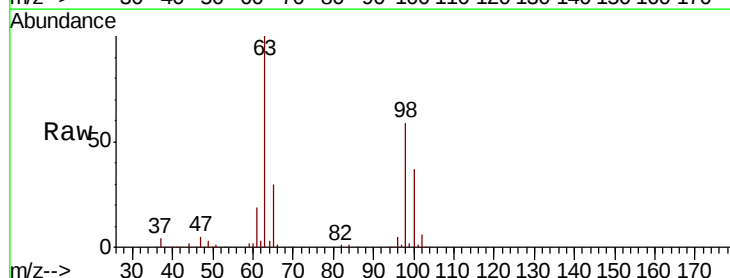
Tgt Ion: 96 Resp: 5386

Ion Ratio Lower Upper

96 100

61 352.3 118.2 219.6#

63 1821.5 90.7 168.5#



Abundance Ion 96.00 (95.70 to 96.70): VU033729.D (-355) (-)

Ion 61.00 (60.70 to 61.70): VU033729.D (-355) (-)

Ion 63.00 (62.70 to 63.70): VU033729.D (-355) (-)

100000

80000

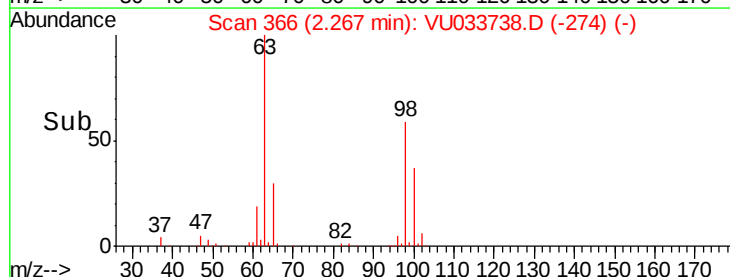
60000

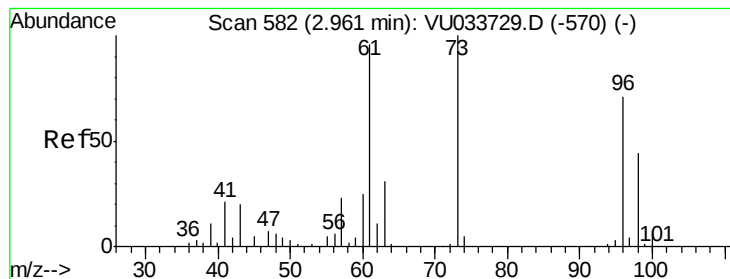
40000

20000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 13.921 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033738.D

Acq: 11 Aug 2019 00:46

Instrument :

MSVOA_U

ClientSampleId :

F2B30

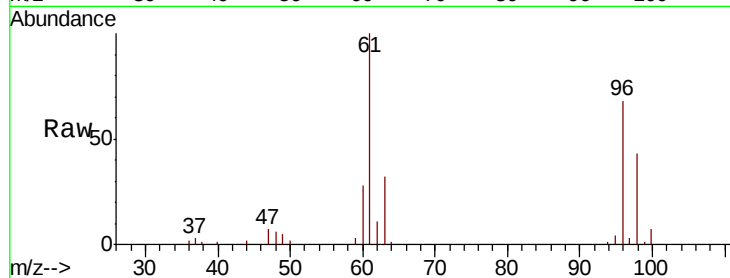
Tgt Ion: 96 Resp: 25316

Ion Ratio Lower Upper

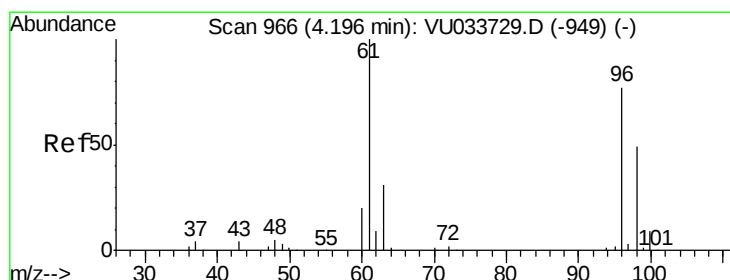
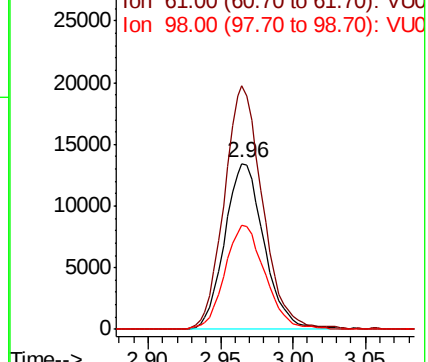
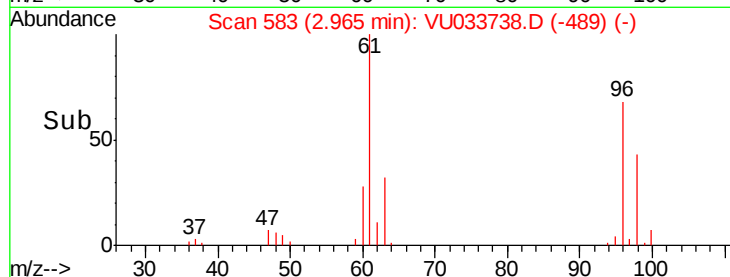
96 100

61 146.8 95.6 177.6

98 62.5 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU033738.D (-489) (-)



#20

cis-1,2-Dichloroethene

Concen: 1429.551 ug/L

RT: 4.20 min Scan# 966

Delta R.T. 0.00 min

Lab File: VU033738.D

Acq: 11 Aug 2019 00:46

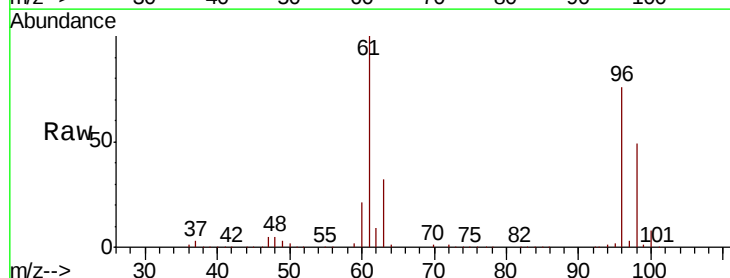
Tgt Ion: 96 Resp: 2965342

Ion Ratio Lower Upper

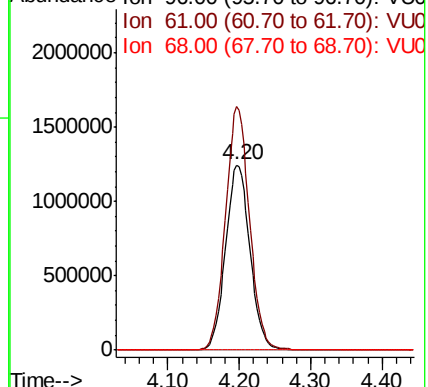
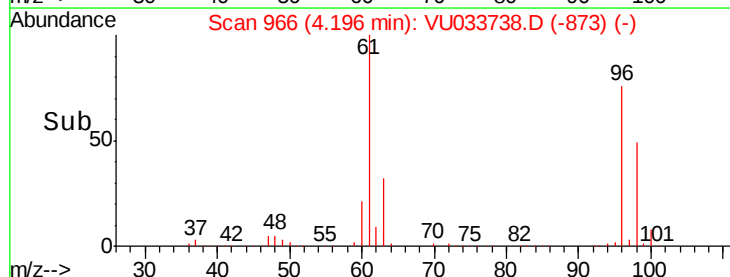
96 100

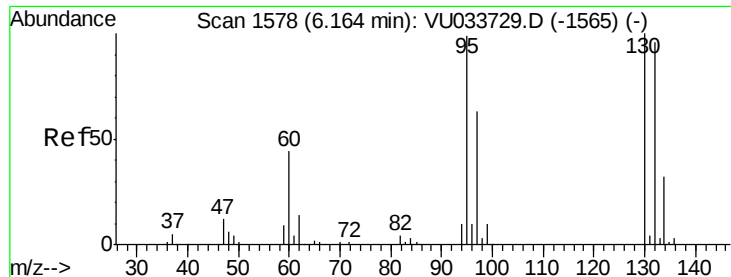
61 131.5 87.0 161.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033738.D (-873) (-)





#34

Trichloroethene

Concen: 227.951 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033738.D

Acq: 11 Aug 2019 00:46

Instrument :

MSVOA_U

ClientSampleId :

F2B30

Tgt Ion: 95 Resp: 472599

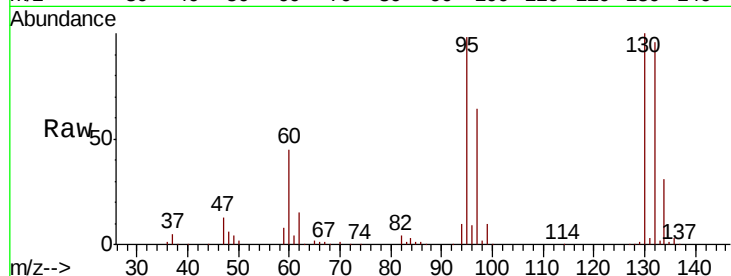
Ion Ratio Lower Upper

95 100

97 65.4 45.6 84.8

132 97.8 72.0 133.8

130 102.0 74.3 138.1

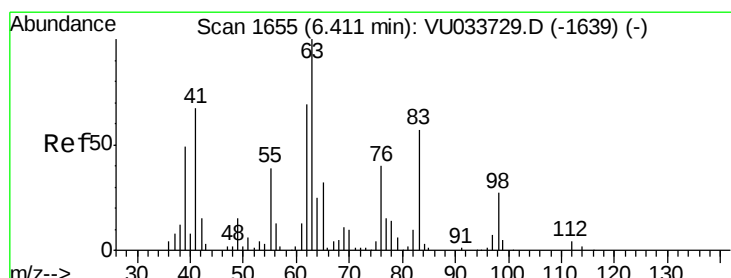
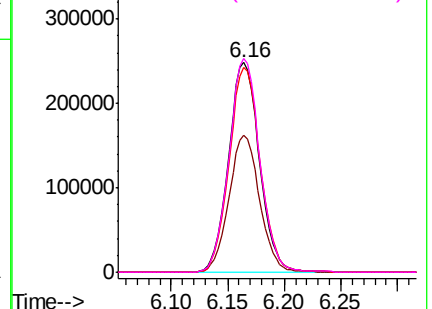
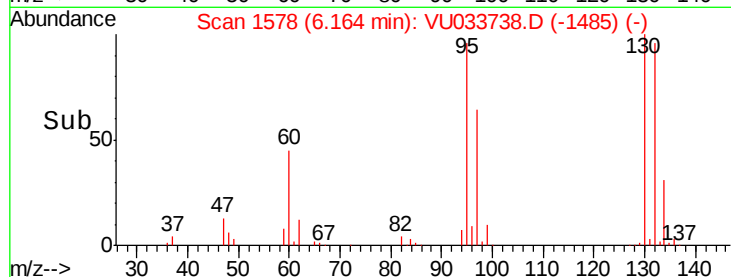


Abundance Ion 95.00 (94.70 to 95.70): VU033738.D (-1485) (-)

Ion 97.00 (96.70 to 97.70): VU033738.D (-1485) (-)

Ion 132.00 (131.70 to 132.70): VU033738.D (-1485) (-)

Ion 130.00 (129.70 to 130.70): VU033738.D (-1485) (-)



#37

1,2-Dichloropropane

Concen: 3.810 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU033738.D

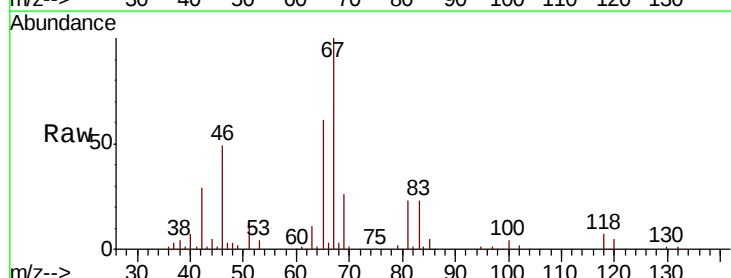
Acq: 11 Aug 2019 00:46

Tgt Ion: 63 Resp: 7989

Ion Ratio Lower Upper

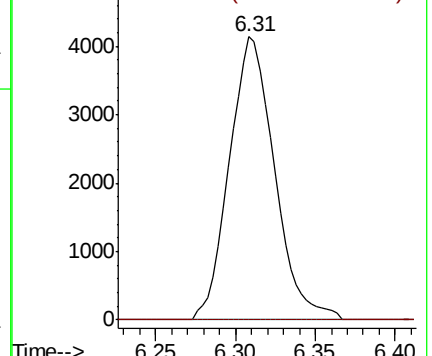
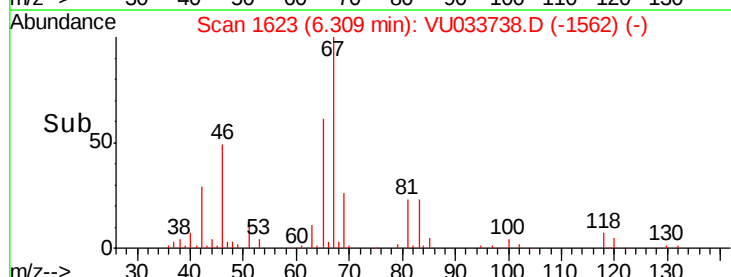
63 100

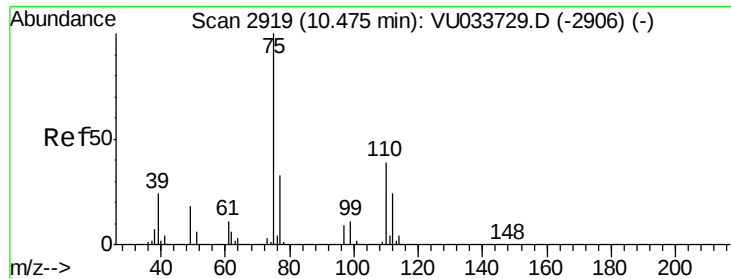
112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU033738.D (-1562) (-)

Ion 112.00 (111.70 to 112.70): VU033738.D (-1562) (-)





#59

1,2,3-Trichloropropane

Concen: 5.658 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033738.D

Acq: 11 Aug 2019 00:46

Instrument :

MSVOA_U

ClientSampleId :

F2B30

Tgt Ion: 75 Resp: 16041

Ion Ratio Lower Upper

75 100

77 37.5 26.4 39.6

