

Data File : VU033699.D
Acq On : 09 Aug 2019 21:42
Operator : JC/SP
Sample : K4202-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B27

Quant Time: Aug 10 04:29:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 04:26:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	377698	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	360794	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	182973	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	132791	47.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.52%
7) Chloroethane-d5	1.67	69	126096	45.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.50%
11) 1,1-Dichloroethene-d2	2.26	63	180030	38.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.02%
21) 2-Butanone-d5	4.15	46	274767	159.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	159.41%#
24) Chloroform-d	4.62	84	257760	62.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	124.80%
26) 1,2-Dichloroethane-d4	5.29	65	169746	65.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	131.44%#
32) Benzene-d6	5.32	84	523409	61.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	122.94%
36) 1,2-Dichloropropane-d6	6.31	67	171900	65.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	131.58%#
41) Toluene-d8	7.55	98	469139	58.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	117.16%
43) trans-1,3-Dichloropropene-	7.83	79	84175	63.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	127.58%#
47) 2-Hexanone-d5	8.29	63	215260	159.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	159.05%#
57) 1,1,2,2-Tetrachloroethane-	10.41	84	268051	69.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	138.70%#
64) 1,2-Dichlorobenzene-d4	11.84	152	204975	66.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	133.12%#

Target Compounds

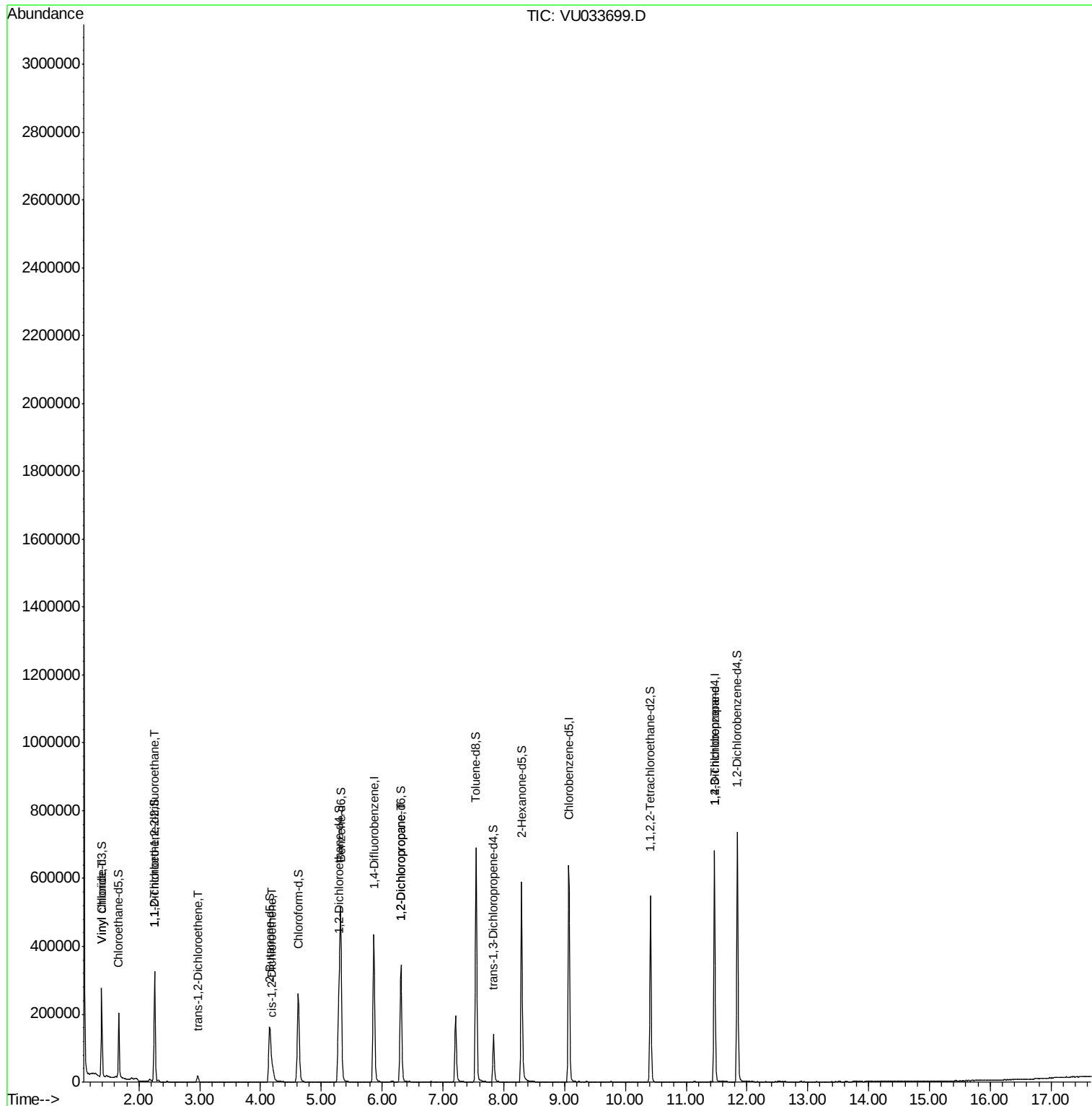
						Qvalue
5) Vinyl chloride	1.39	62	39861	12.537	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2096	0.927	ug/L #	19
17) trans-1,2-Dichloroethene	2.97	96	7749	3.255	ug/L	88
20) cis-1,2-Dichloroethene	4.20	96	17121	6.306	ug/L	92
37) 1,2-Dichloropropane	6.31	63	17752	6.625	ug/L #	88
59) 1,2,3-Trichloropropane	11.47	75	20461	5.648	ug/L	95

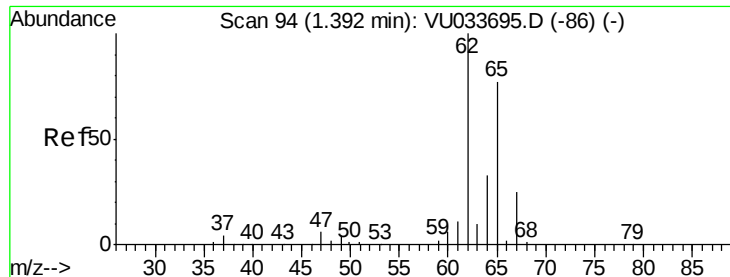
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 12.537 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

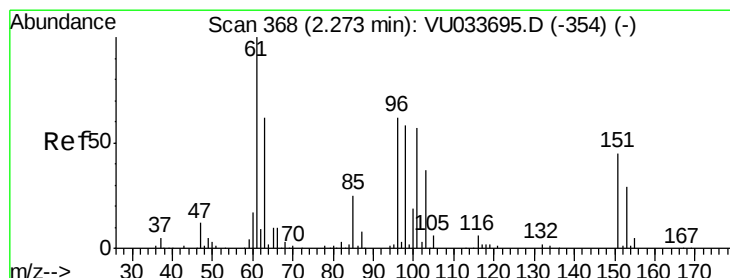
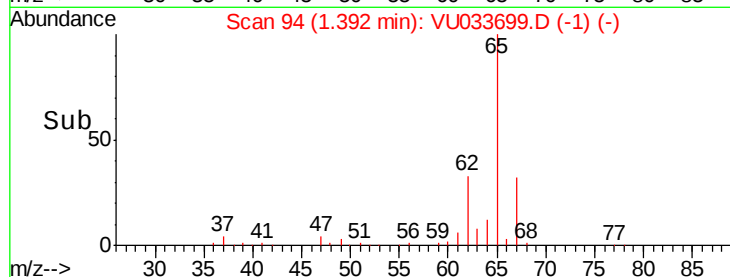
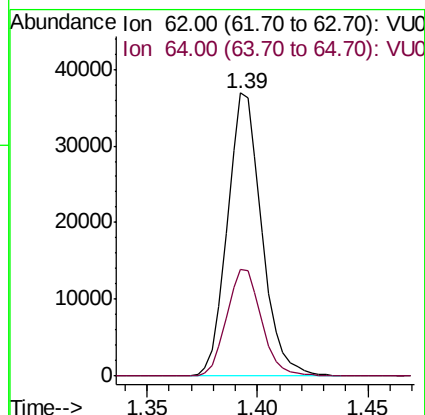
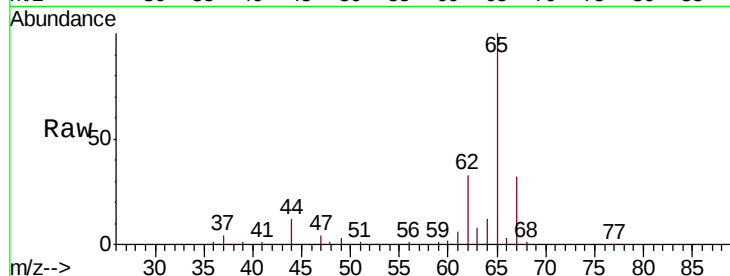
F2B27

Tgt Ion: 62 Resp: 39861

Ion Ratio Lower Upper

62 100

64 37.9 23.7 43.9



#10

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

Concen: 0.927 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU033699.D

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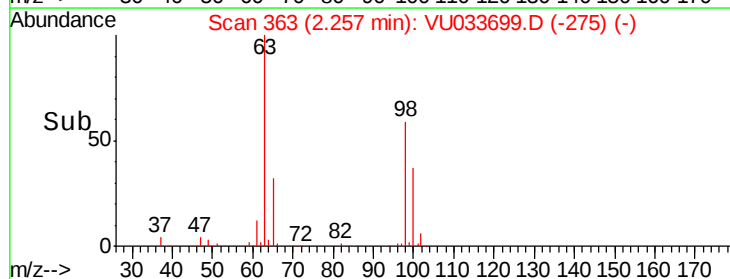
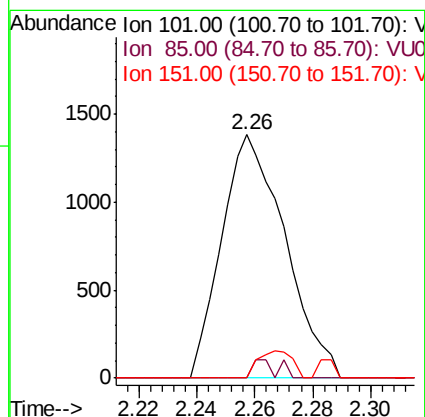
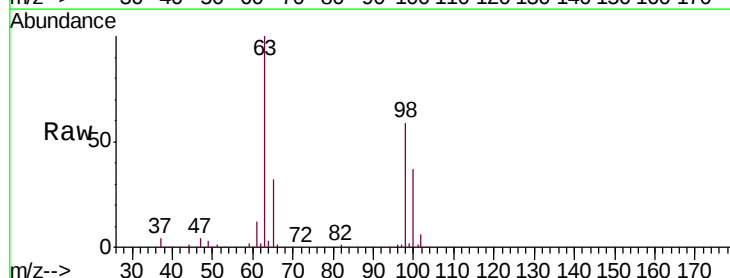
Tgt Ion: 101 Resp: 2096

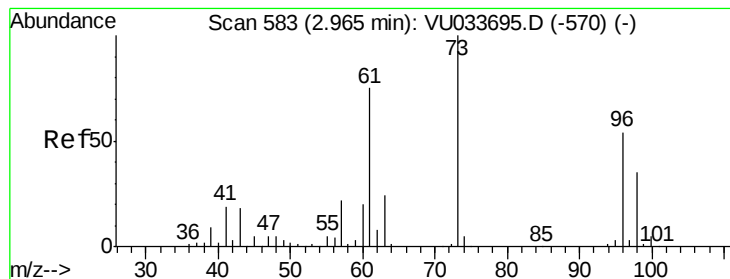
Ion Ratio Lower Upper

101 100

85 1.9 34.5 51.7#

151 0.0 63.0 94.4#





#17

trans-1,2-Dichloroethene

Concen: 3.255 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

F2B27

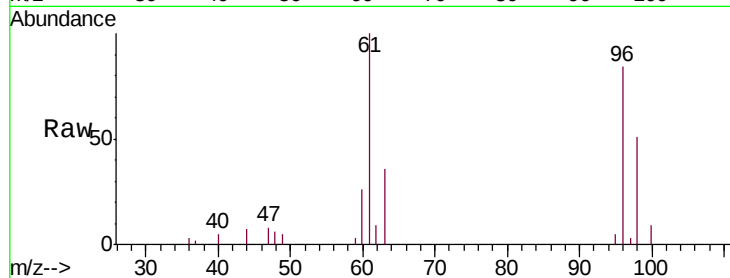
Tgt Ion: 96 Resp: 7749

Ion Ratio Lower Upper

96 100

61 118.8 95.6 177.6

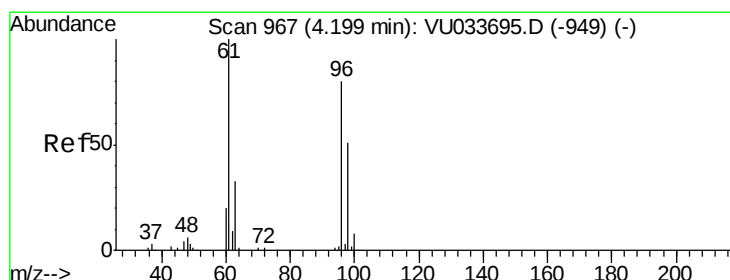
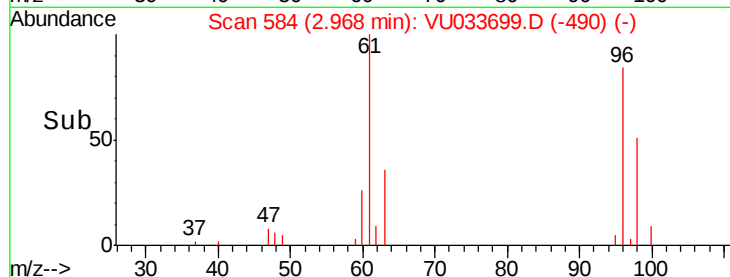
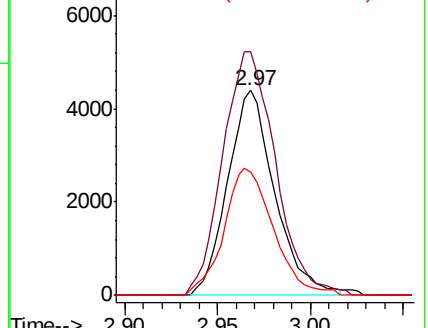
98 60.0 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU033699.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU033699.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU033699.D (-490) (-)



#20

cis-1,2-Dichloroethene

Concen: 6.306 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU033699.D

Acq: 09 Aug 2019 21:42

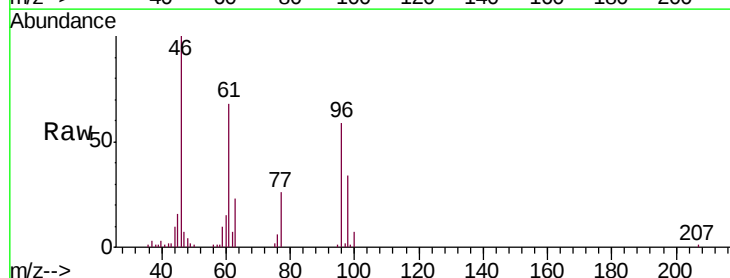
Tgt Ion: 96 Resp: 17121

Ion Ratio Lower Upper

96 100

61 115.3 87.0 161.6

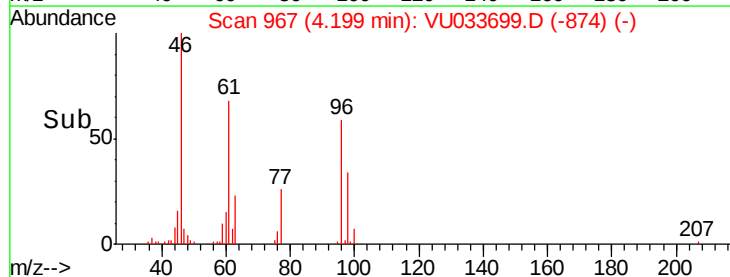
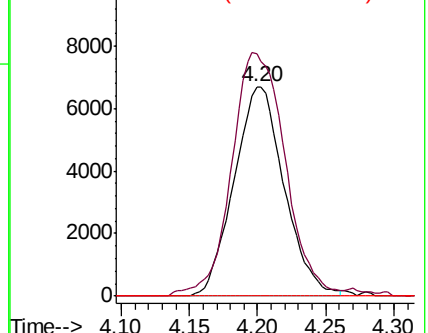
68 0.0 0.0 0.0

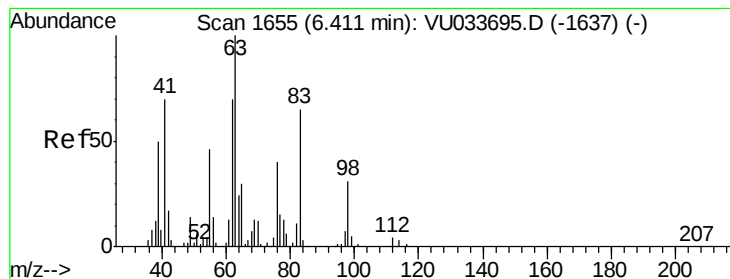


Abundance Ion 96.00 (95.70 to 96.70): VU033699.D (-874) (-)

Ion 61.00 (60.70 to 61.70): VU033699.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VU033699.D (-874) (-)





#37

1,2-Dichloropropane

Concen: 6.625 ug/L

RT: 6.31 min Scan# 1622

Delta R.T. -0.11 min

Lab File: VU033699.D

Acq: 09 Aug 2019 21:42

Instrument :

MSVOA_U

ClientSampleId :

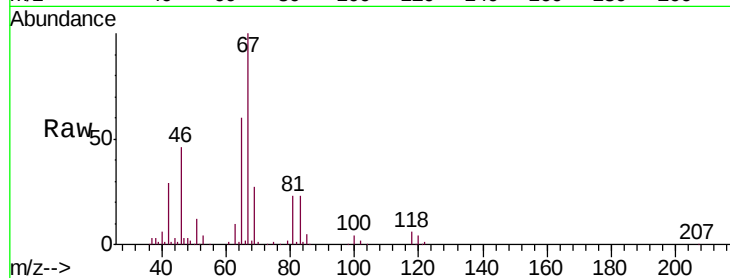
F2B27

Tgt Ion: 63 Resp: 17752

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU033699.D (-1637) (-)

Ion 112.00 (111.70 to 112.70): VU033699.D (-1637) (-)

6.31

8000

6000

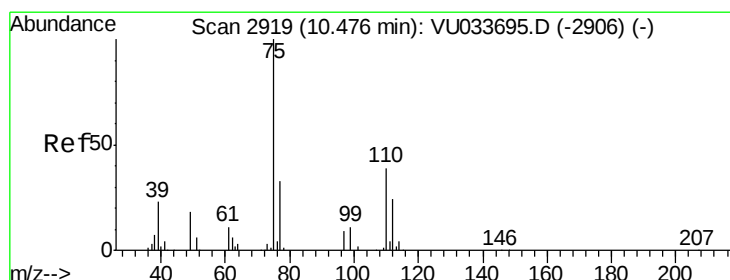
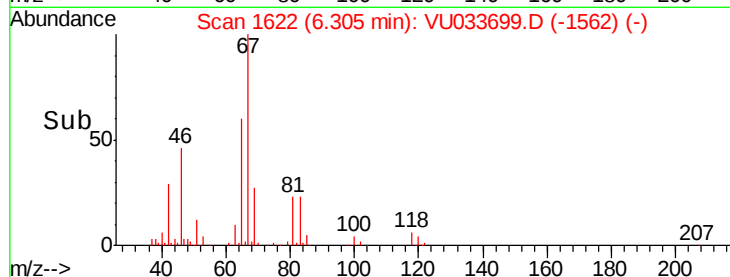
4000

2000

0

6.25 6.30 6.35

Time-->



#59

1,2,3-Trichloropropane

Concen: 5.648 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033699.D

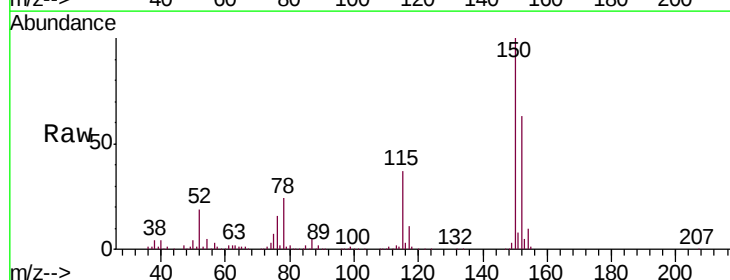
Acq: 09 Aug 2019 21:42

Tgt Ion: 75 Resp: 20461

Ion Ratio Lower Upper

75 100

77 35.7 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU033699.D (-2297) (-)

Ion 77.00 (76.70 to 77.70): VU033699.D (-2297) (-)

11.47

15000

10000

5000

0

11.40 11.45 11.50

Time-->

