

Data File : VU033532.D
Acq On : 31 Jul 2019 18:00
Operator : JC/SP
Sample : K4103-09DL 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB9E5DL

Quant Time: Aug 01 07:26:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 01 07:20:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	303488	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	304021	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	138593	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	104700	47.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.90%
7) Chloroethane-d5	1.67	69	92702	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.94%
11) 1,1-Dichloroethene-d2	2.26	63	143616	35.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.72%
21) 2-Butanone-d5	4.15	46	164528	112.58	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.58%
24) Chloroform-d	4.62	84	189460	51.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.44%
26) 1,2-Dichloroethane-d4	5.28	65	126606	54.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.10%
32) Benzene-d6	5.32	84	384488	51.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.04%
36) 1,2-Dichloropropane-d6	6.31	67	125853	53.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.54%
41) Toluene-d8	7.55	98	346344	49.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.08%
43) trans-1,3-Dichloropropene-	7.83	79	55828	47.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.28%
47) 2-Hexanone-d5	8.29	63	120223	107.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.18%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	190999	52.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.86%
64) 1,2-Dichlorobenzene-d4	11.85	152	136469	53.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.54%

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1215	0.593	ug/L #	19
12) 1,1-Dichloroethene	2.26	96	1192	0.607	ug/L #	1
20) cis-1,2-Dichloroethene	4.20	96	53883	23.314	ug/L	96
25) Chloroform	4.65	83	7285	1.791	ug/L	95
34) Trichloroethene	6.16	95	69897	30.212	ug/L	99
37) 1,2-Dichloropropane	6.31	63	13766	5.864	ug/L #	88
44) trans-1,3-Dichloropropene	7.83	75	2424	0.732	ug/L	87
59) 1,2,3-Trichloropropane	11.47	75	16078	5.189	ug/L	93

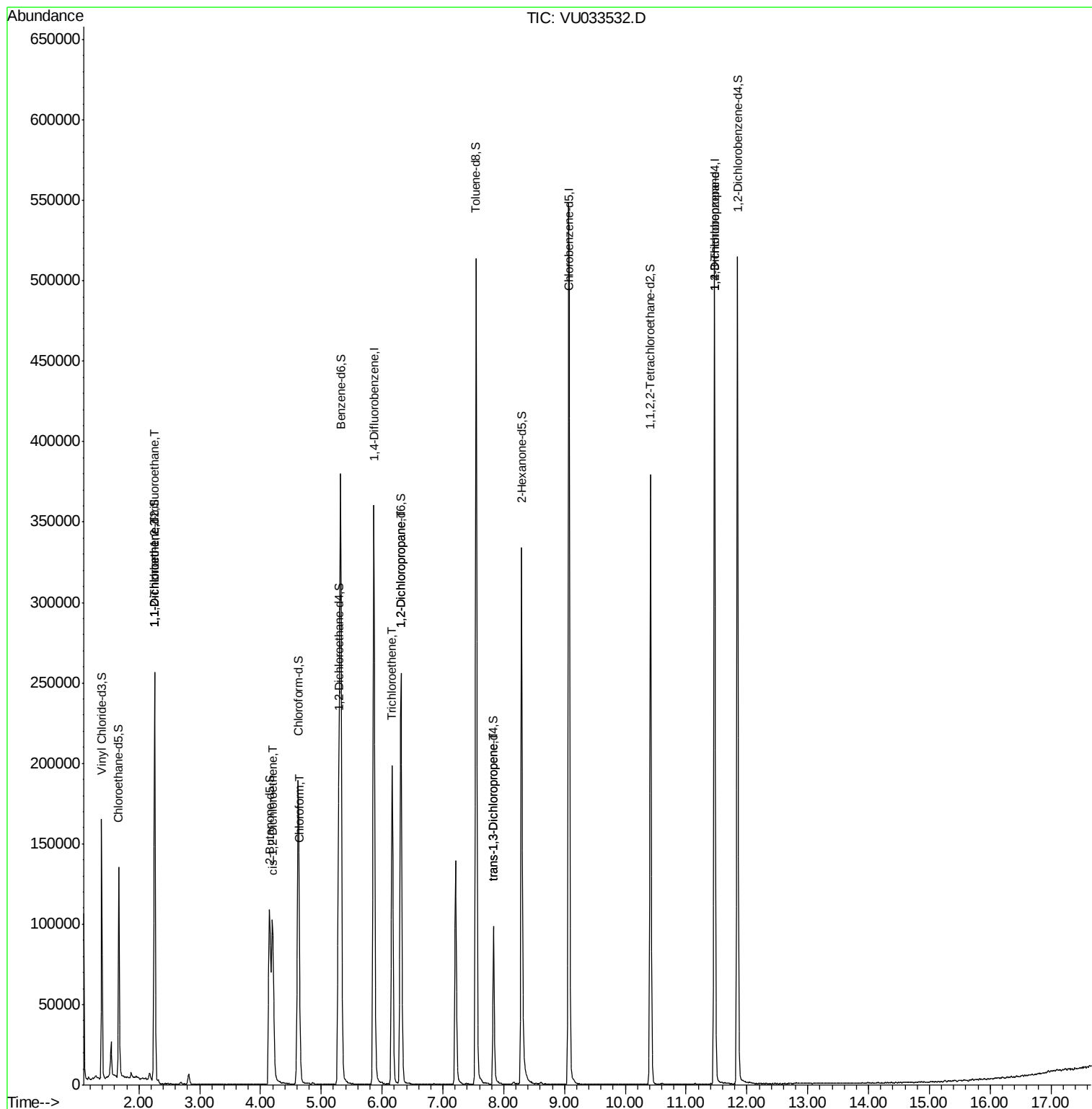
(#) = qualifier out of range (m) = manual integration (+) = signals summed

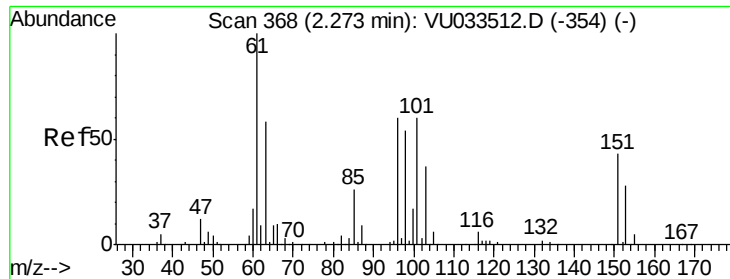
Data File : VU033532.D

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Response via : Initial Calibration





#10

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

Concen: 0.593 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU033532.D

Acq: 31 Jul 2019 18:00

Instrument :

MSVOA_U

ClientSampleId :

DB9E5DL

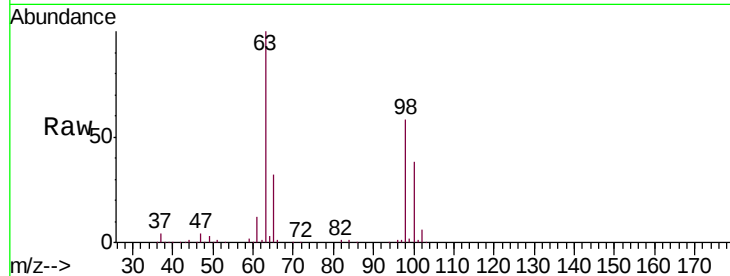
Tgt Ion:101 Resp: 1215

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

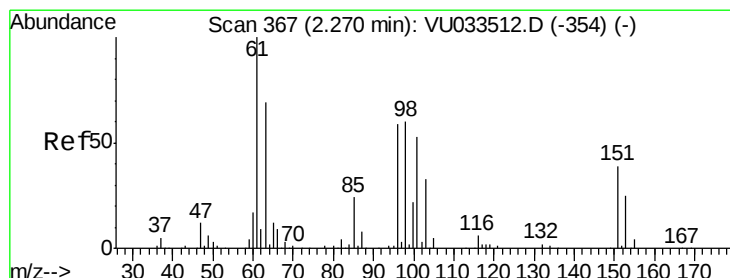
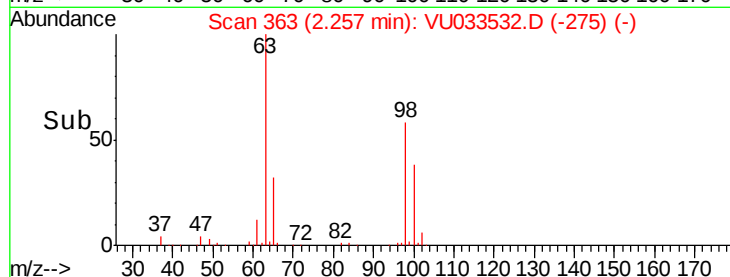
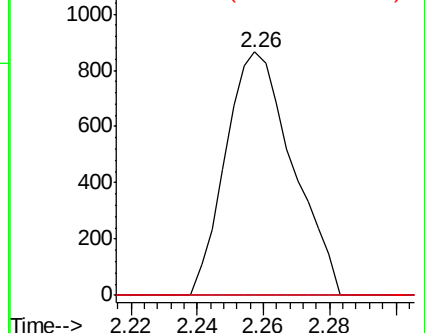
151 0.0 60.1 90.1#



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: 0.607 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033532.D

Acq: 31 Jul 2019 18:00

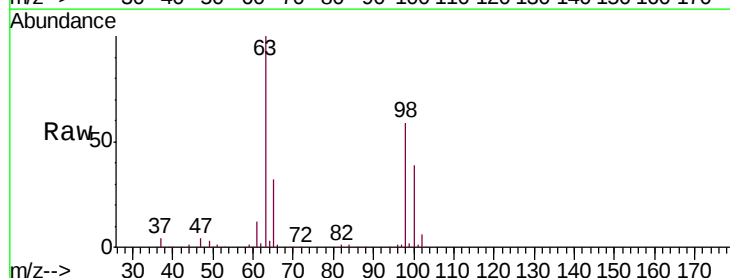
Tgt Ion: 96 Resp: 1192

Ion Ratio Lower Upper

96 100

61 1549.8 119.3 221.5#

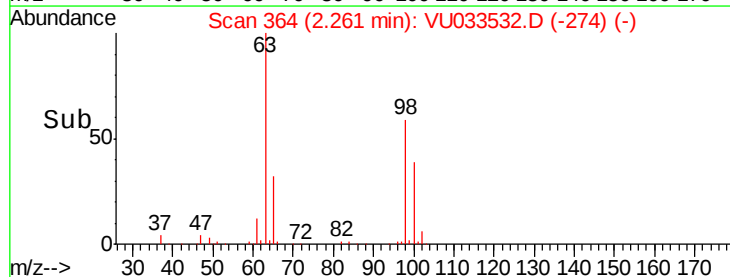
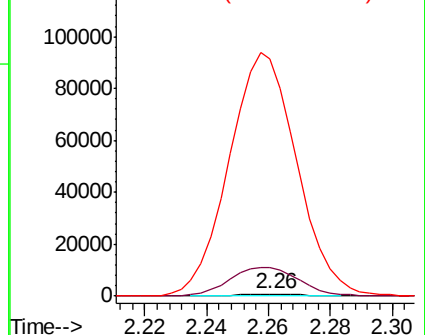
63 12962.3 86.6 160.8#

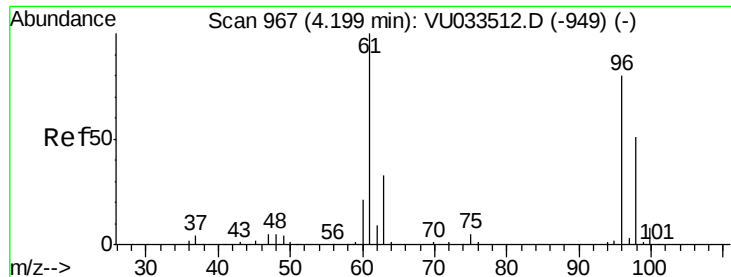


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

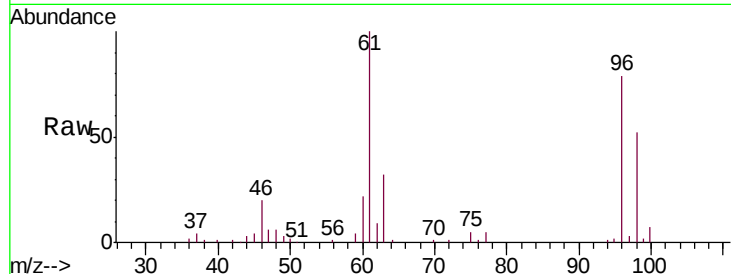




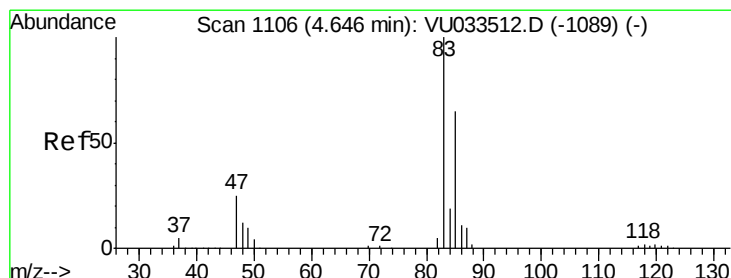
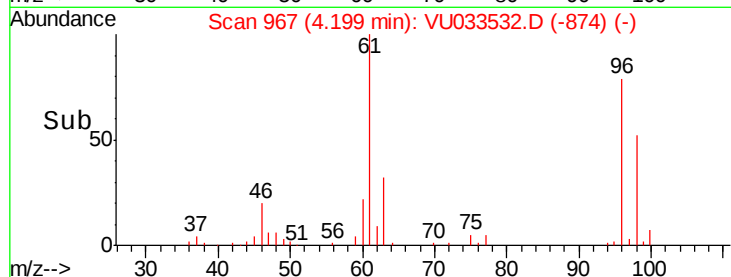
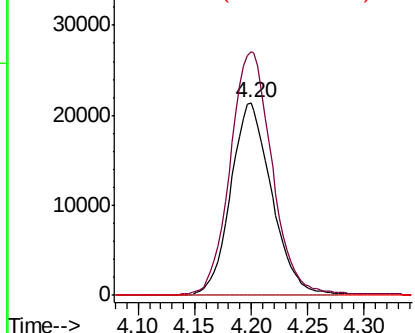
#20
 cis-1,2-Dichloroethene
 Concen: 23.314 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033532.D
 Acq: 31 Jul 2019 18:00

Instrument :
 MSVOA_U
 ClientSampleId :
 DB9E5DL

Tgt Ion: 96 Resp: 53883
 Ion Ratio Lower Upper
 96 100
 61 126.3 91.3 169.6
 68 0.0 0.0 0.0

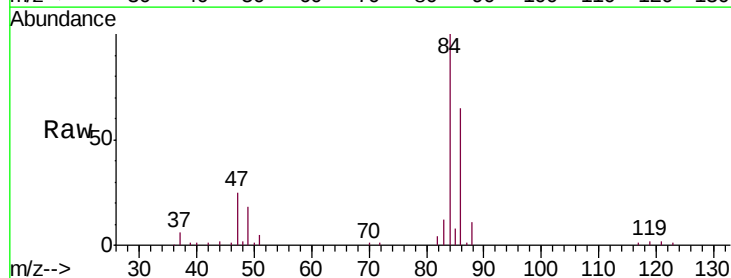


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

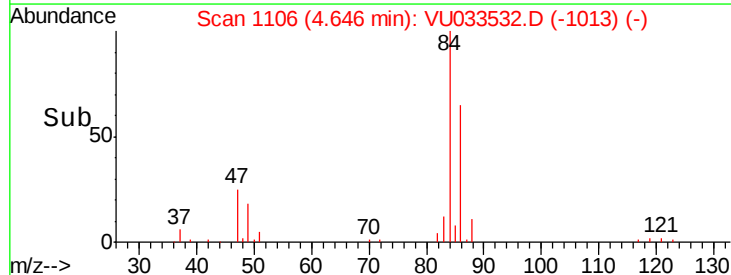
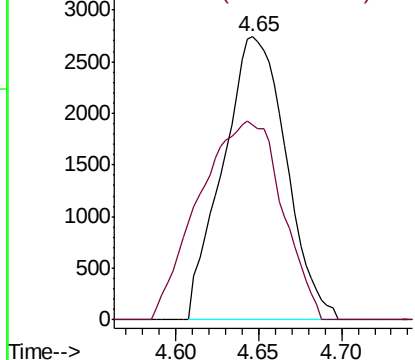


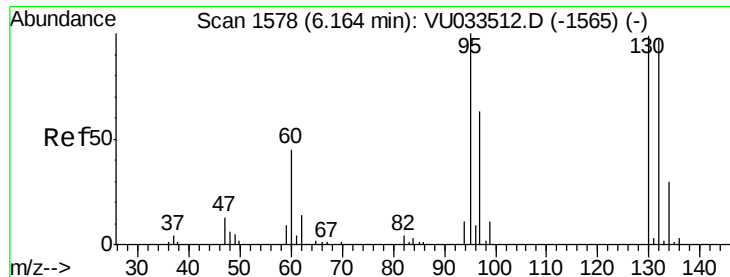
#25
 Chloroform
 Concen: 1.791 ug/L
 RT: 4.65 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VU033532.D
 Acq: 31 Jul 2019 18:00

Tgt Ion: 83 Resp: 7285
 Ion Ratio Lower Upper
 83 100
 85 68.8 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 30.212 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033532.D

Acq: 31 Jul 2019 18:00

Instrument :

MSVOA_U

ClientSampleId :

DB9E5DL

Tgt Ion: 95 Resp: 69897

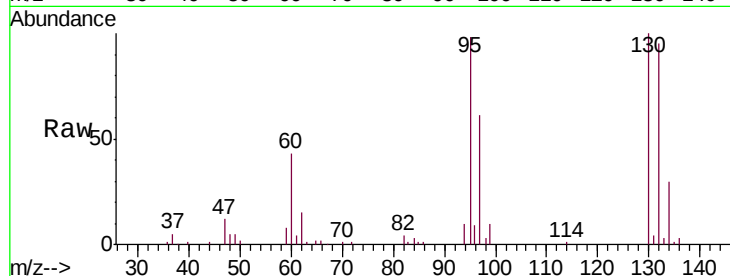
Ion Ratio Lower Upper

95 100

97 62.7 44.7 83.1

132 97.0 66.8 124.0

130 102.0 71.6 133.0

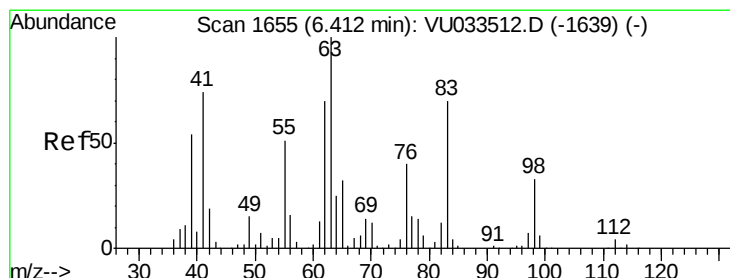
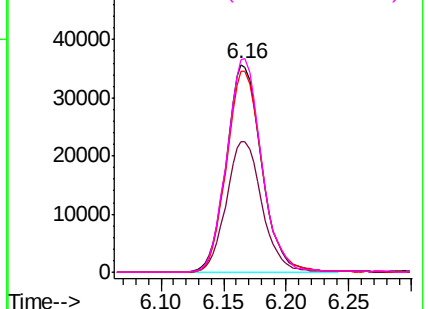
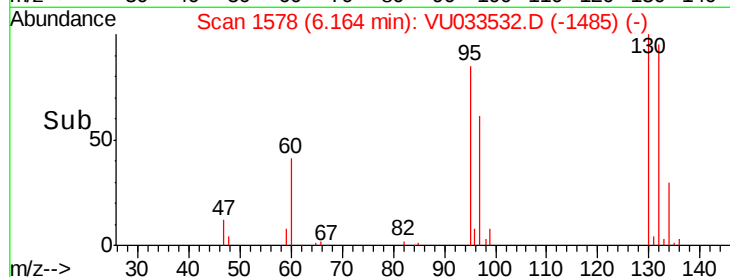


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 5.864 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.10 min

Lab File: VU033532.D

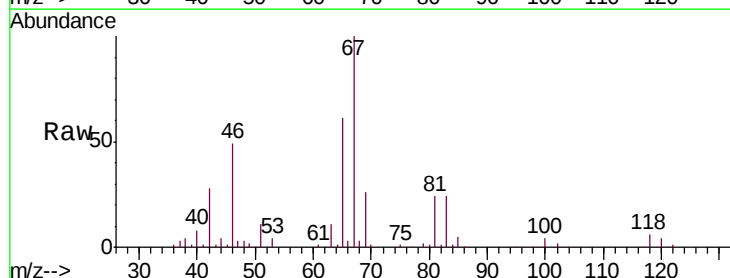
Acq: 31 Jul 2019 18:00

Tgt Ion: 63 Resp: 13766

Ion Ratio Lower Upper

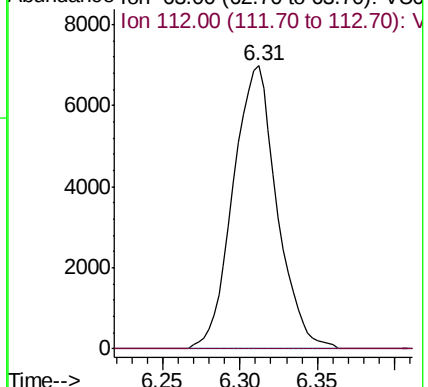
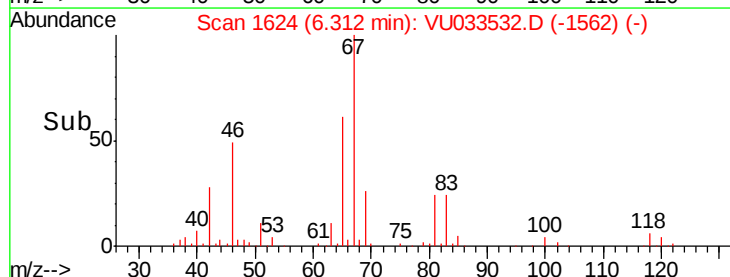
63 100

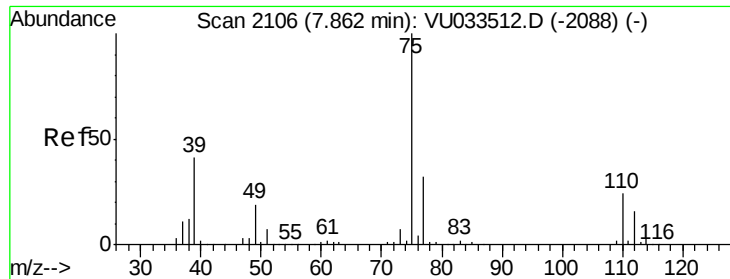
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V





#44

trans-1,3-Dichloropropene

Concen: 0.732 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033532.D

Acq: 31 Jul 2019 18:00

Instrument :

MSVOA_U

ClientSampled :

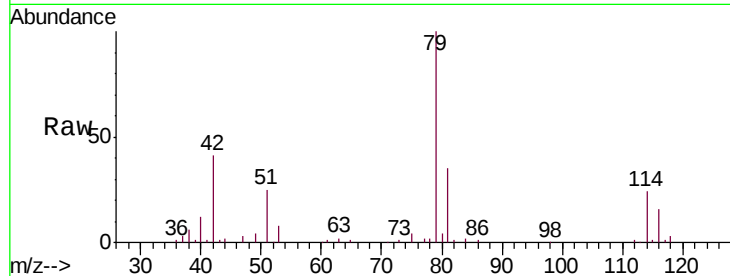
DB9E5DL

Tgt Ion: 75 Resp: 2424

Ion Ratio Lower Upper

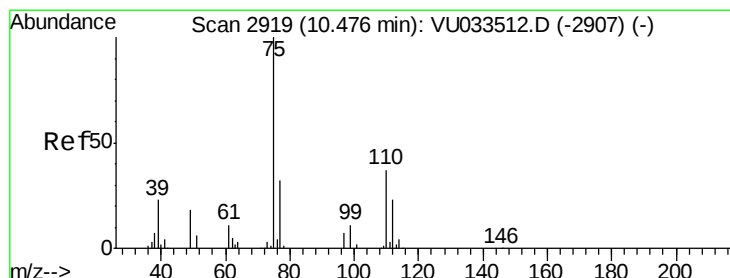
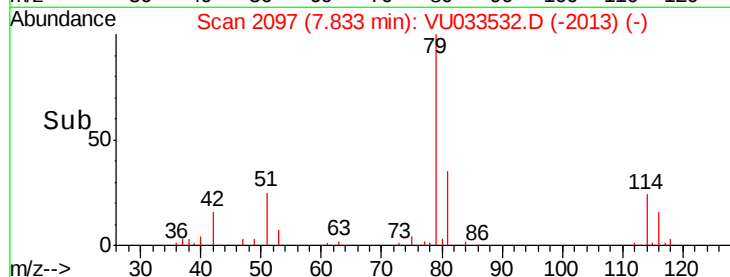
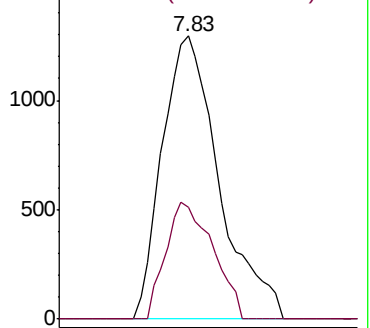
75 100

77 39.5 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU033512.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU033512.D (-2088) (-)



#59

1,2,3-Trichloropropane

Concen: 5.189 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033532.D

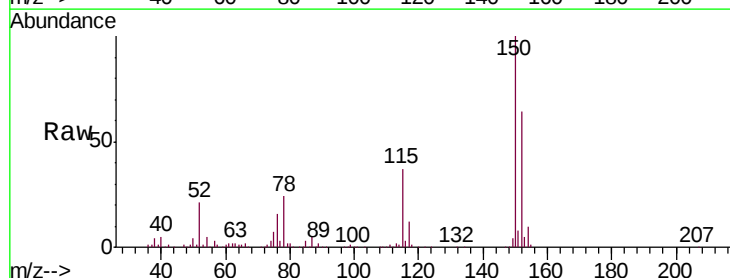
Acq: 31 Jul 2019 18:00

Tgt Ion: 75 Resp: 16078

Ion Ratio Lower Upper

75 100

77 36.1 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU033512.D (-2907) (-)

Ion 77.00 (76.70 to 77.70): VU033512.D (-2907) (-)

