

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101819\
 Data File : VU035296.D
 Acq On : 19 Oct 2019 04:07
 Operator : JC/SP
 Sample : K5421-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 19 06:17:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 19 06:13:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	303601	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	299505	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	118849	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	81987	4.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.60%
7) Chloroethane-d5	1.93	69	80705	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.60	63	114963	3.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.20%
20) 2-Butanone-d5	4.71	46	275665	51.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.64%
24) Chloroform-d	5.11	84	170313	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.75	65	97017	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.77	84	337138	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.74	67	110032	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.93	98	302803	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	8.22	79	44166	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.69	63	207214	44.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.04%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	98746	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	109735	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

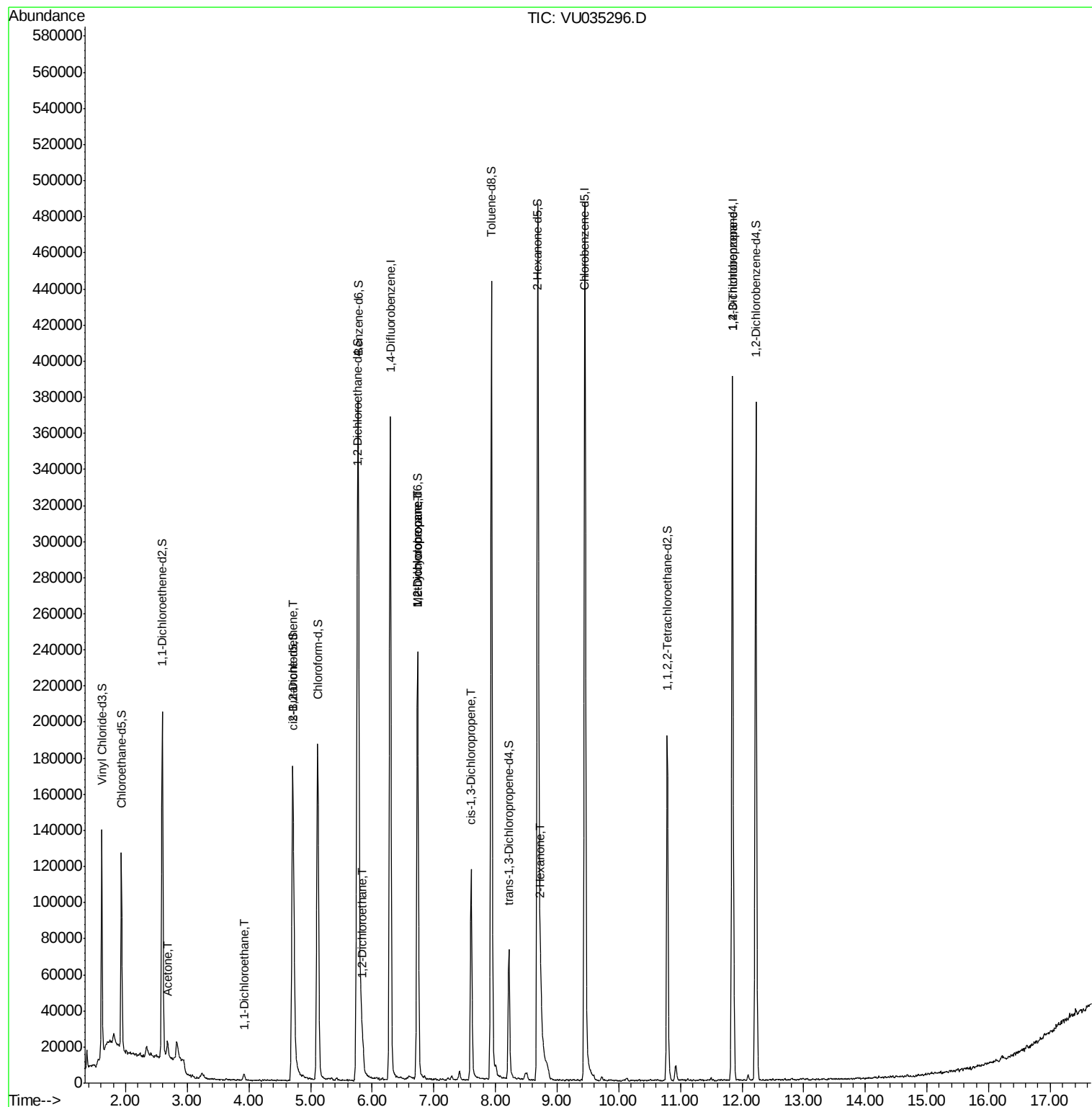
					Ovalue
13) Acetone	2.68	43	10795	2.917 ug/L	93
19) 1,1-Dichloroethane	3.92	63	4065	0.107 ug/L	95
22) cis-1,2-Dichloroethene	4.73	96	2185	0.094 ug/L	86
27) 1,2-Dichloroethane	5.84	62	11816	0.461 ug/L	98
35) Methylcyclohexane	6.74	83	26471	0.669 ug/L #	19
37) 1,2-Dichloropropane	6.74	63	11919	0.533 ug/L #	86
39) cis-1,3-Dichloropropene	7.61	75	2838	0.076 ug/L #	27
48) 2-Hexanone	8.74	43	10537	0.995 ug/L #	92
59) 1,2,3-Trichloropropane	11.84	75	14539	0.933 ug/L	90

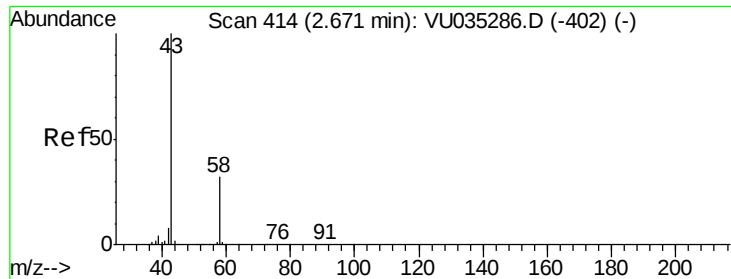
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.917 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.01 min

Lab File: VU035296.D

Acq: 19 Oct 2019 04:07

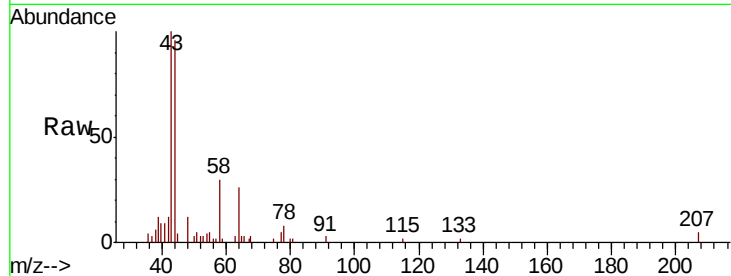
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 10795

Ion Ratio Lower Upper

43 100

58 34.6 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035296.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035296.D (-402) (-)

2.68

6000

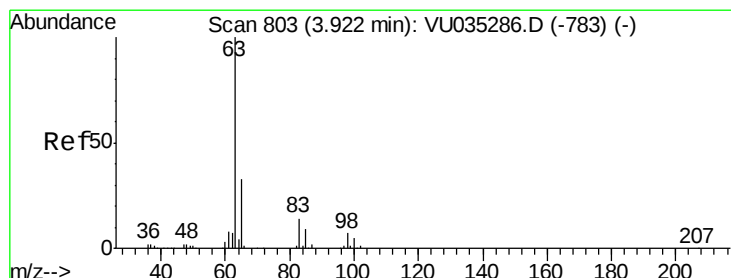
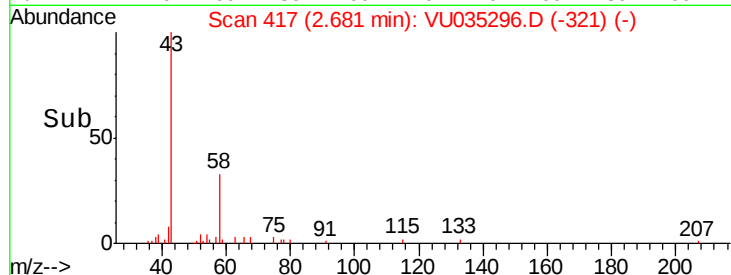
4000

2000

0

Time-->

2.60 2.65 2.70 2.75



#19

1,1-Dichloroethane

Concen: 0.107 ug/L

RT: 3.92 min Scan# 802

Delta R.T. -0.00 min

Lab File: VU035296.D

Acq: 19 Oct 2019 04:07

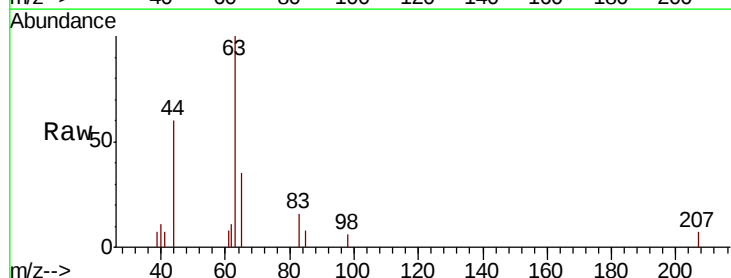
Tgt Ion: 63 Resp: 4065

Ion Ratio Lower Upper

63 100

65 34.5 22.4 41.6

83 16.3 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035296.D (-710) (-)

Ion 65.10 (64.80 to 65.80): VU035296.D (-710) (-)

Ion 83.05 (82.75 to 83.75): VU035296.D (-710) (-)

3.92

2500

2000

1500

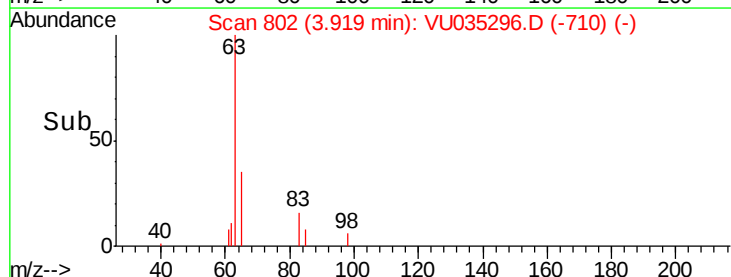
1000

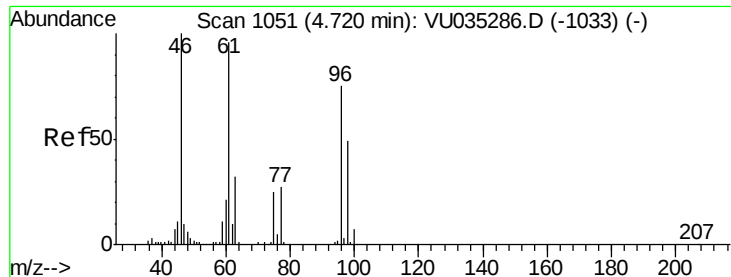
500

0

Time-->

3.85 3.90 3.95 4.00





#22

cis-1,2-Dichloroethene

Concen: 0.094 ug/L

RT: 4.73 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VU035296.D

Acq: 19 Oct 2019 04:07

Instrument :
MSVOA_U
ClientSampled :

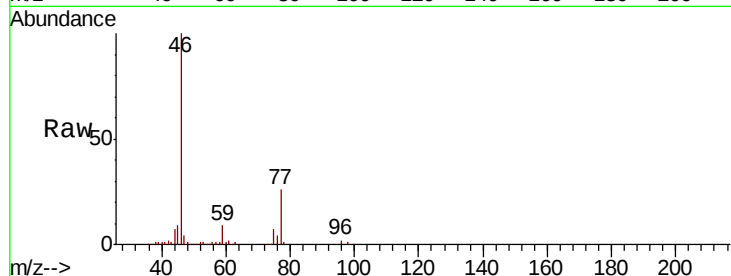
Tot Ion: 96 Resp: 2185

Ion Ratio Lower Upper

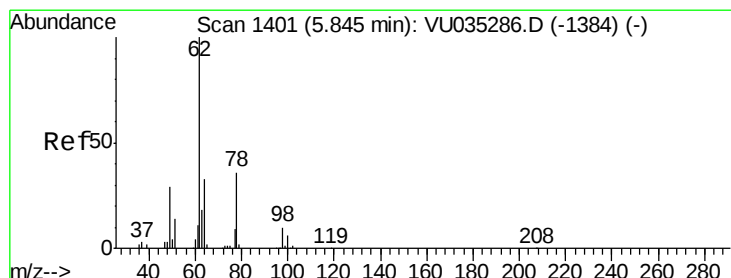
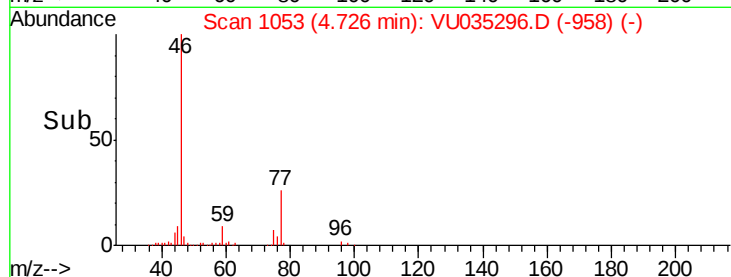
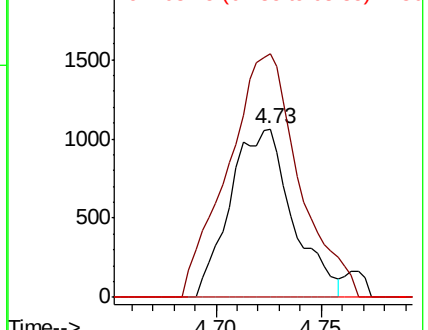
96 100

61 144.3 89.7 166.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#27

1,2-Dichloroethane

Concen: 0.461 ug/L

RT: 5.84 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VU035296.D

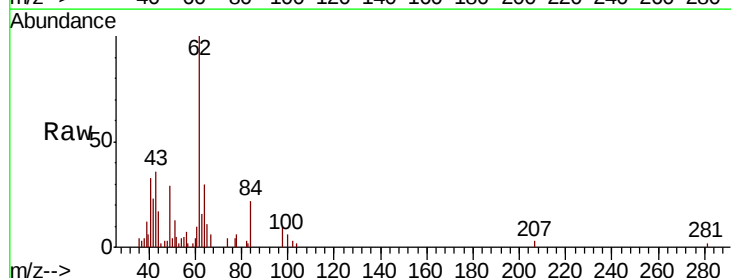
Acq: 19 Oct 2019 04:07

Tgt Ion: 62 Resp: 11816

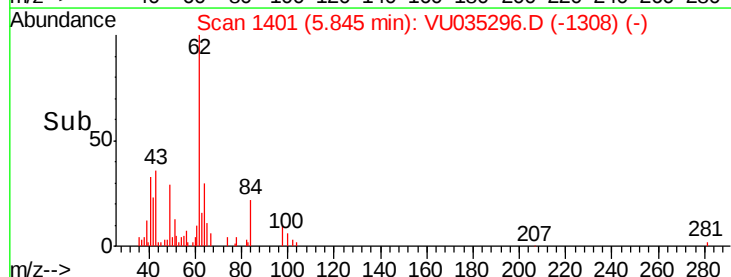
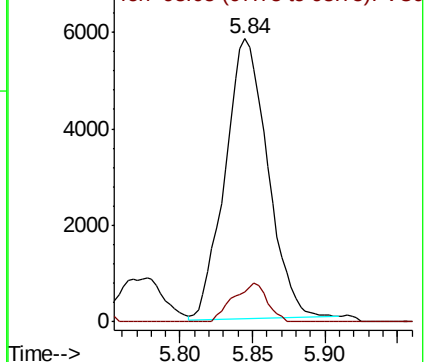
Ion Ratio Lower Upper

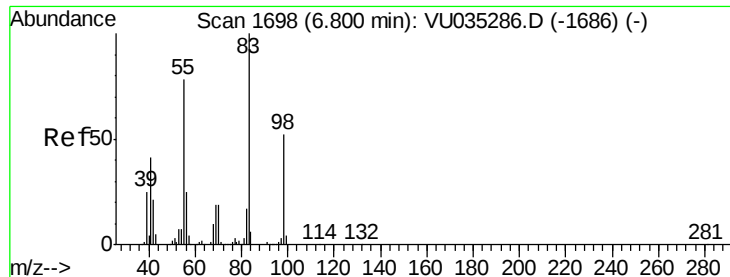
62 100

98 10.4 7.8 11.6



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0





#35

Methylcyclohexane

Concen: 0.669 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035296.D

Acq: 19 Oct 2019 04:07

Instrument :

MSVOA_U

ClientSampleId :

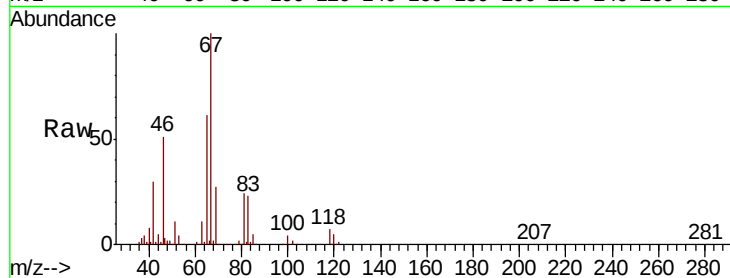
Tot Ion: 83 Resp: 26471

Ion Ratio Lower Upper

83 100

55 0.5 60.4 90.6#

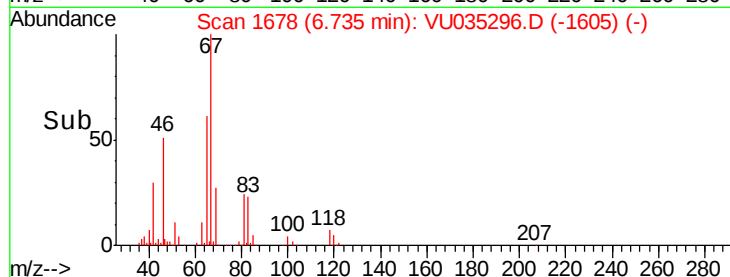
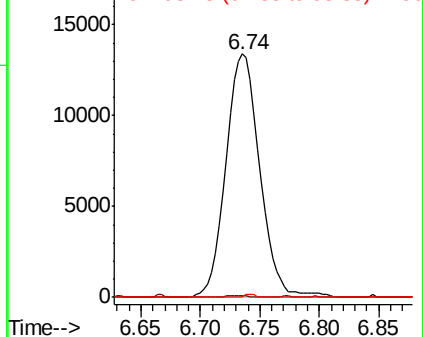
98 0.4 39.5 59.3#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



#37

1,2-Dichloropropane

Concen: 0.533 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035296.D

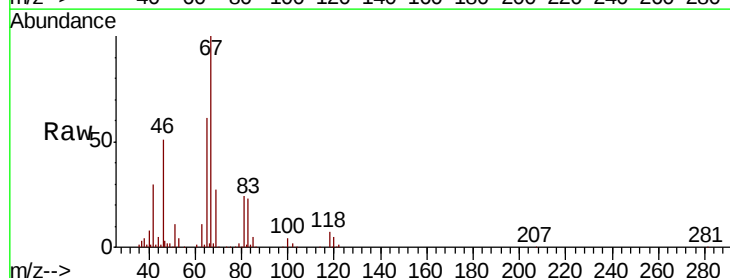
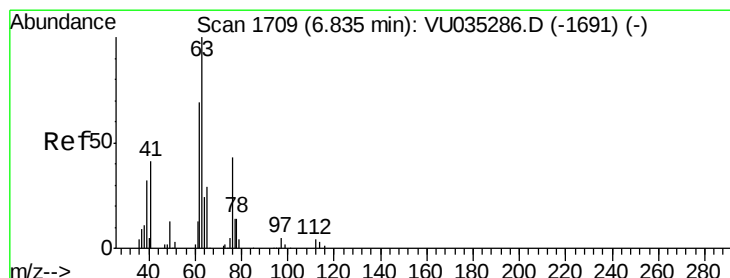
Acq: 19 Oct 2019 04:07

Tgt Ion: 63 Resp: 11919

Ion Ratio Lower Upper

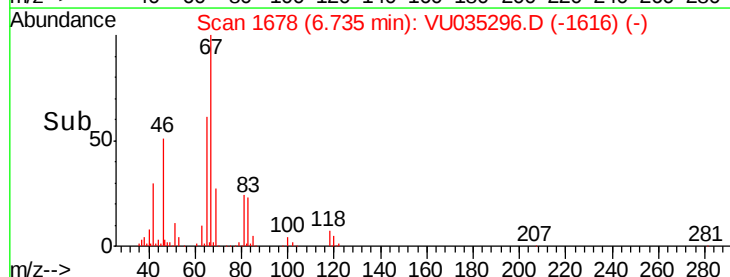
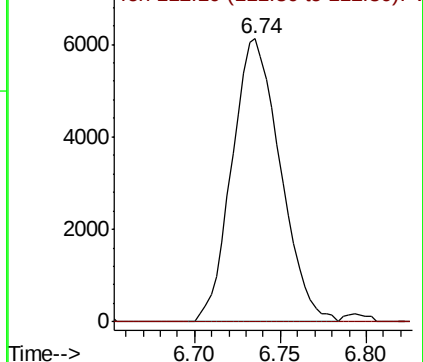
63 100

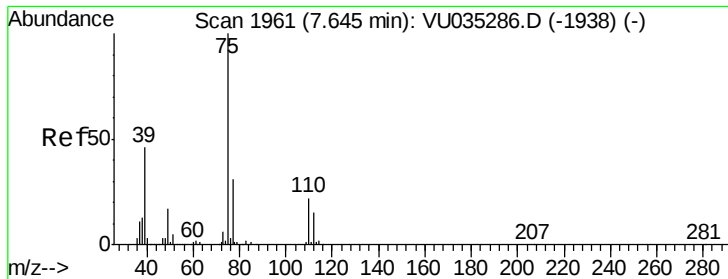
112 0.0 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 7.61 min Scan# 1949

Delta R.T. -0.04 min

Lab File: VU035296.D

Acq: 19 Oct 2019 04:07

Instrument :

MSVOA_U

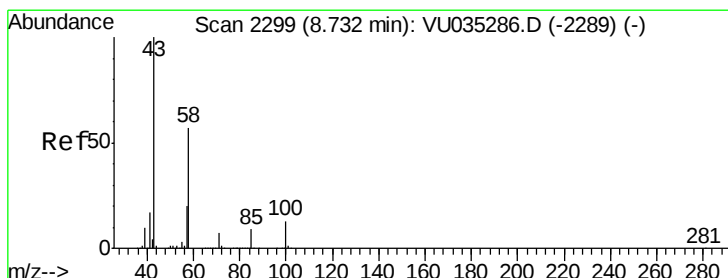
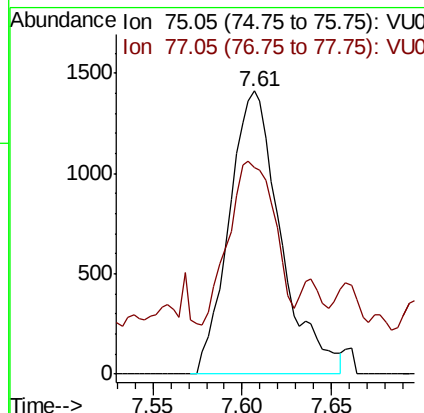
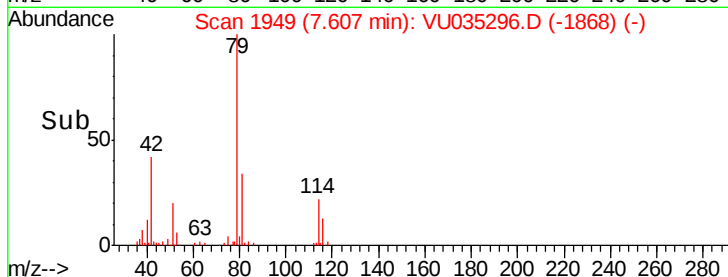
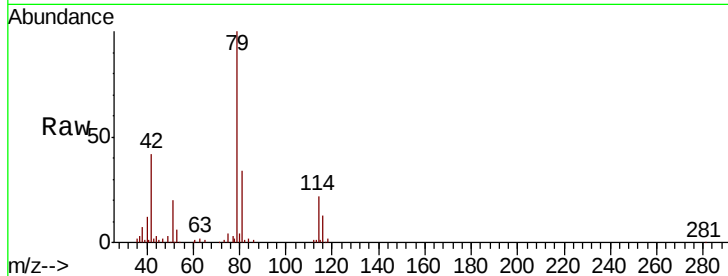
ClientSampleId :

Tot Ion: 75 Resp: 2838

Ion Ratio Lower Upper

75 100

77 73.1 22.7 42.1#



#48

2-Hexanone

Concen: 0.995 ug/L

RT: 8.74 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VU035296.D

Acq: 19 Oct 2019 04:07

Tgt Ion: 43 Resp: 10537

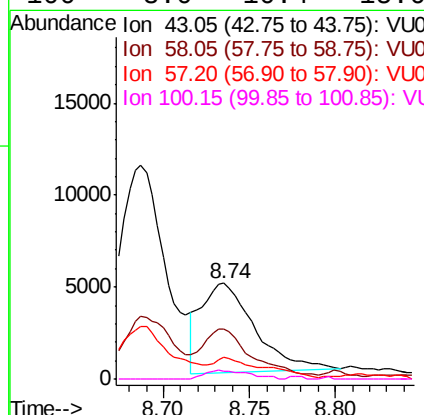
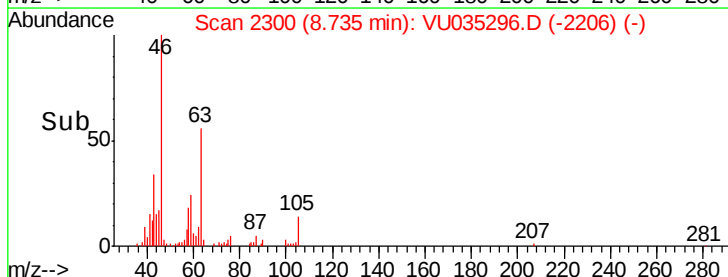
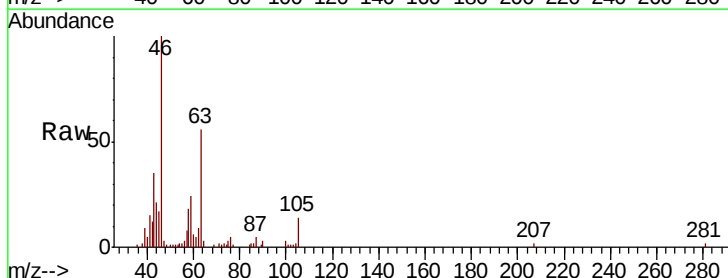
Ion Ratio Lower Upper

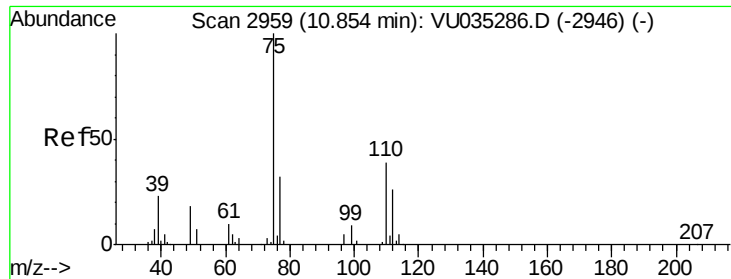
43 100

58 51.2 45.1 67.7

57 23.3 16.0 24.0

100 8.0 10.4 15.6#





#59

1,2,3-Trichloropropane

Concen: 0.933 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035296.D

Acq: 19 Oct 2019 04:07

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 14539

Ion Ratio Lower Upper

75 100

77 38.3 26.2 39.2

