

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050619\
 Data File : VU031783.D
 Acq On : 06 May 2019 16:20
 Operator : JC/SP
 Sample : K2705-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 07 08:50:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 07 08:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	635308	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	618176	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	219025	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	235048	44.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.42%
7) Chloroethane-d5	1.68	69	199986	48.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.34%
11) 1,1-Dichloroethene-d2	2.27	63	373251	35.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.50%
21) 2-Butanone-d5	4.18	46	633106	131.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	131.42%#
24) Chloroform-d	4.64	84	488187	50.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.26%
26) 1,2-Dichloroethane-d4	5.31	65	350740	55.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.26%
32) Benzene-d6	5.34	84	899589	47.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.78%
36) 1,2-Dichloropropane-d6	6.33	67	342213	51.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.48%
41) Toluene-d8	7.56	98	697047	42.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.32%
43) trans-1,3-Dichloropropene-	7.85	79	133474	46.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.12%
47) 2-Hexanone-d5	8.31	63	339266	117.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.37%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	479261	53.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.94%
64) 1,2-Dichlorobenzene-d4	11.86	152	232568	50.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.98%

Target Compounds

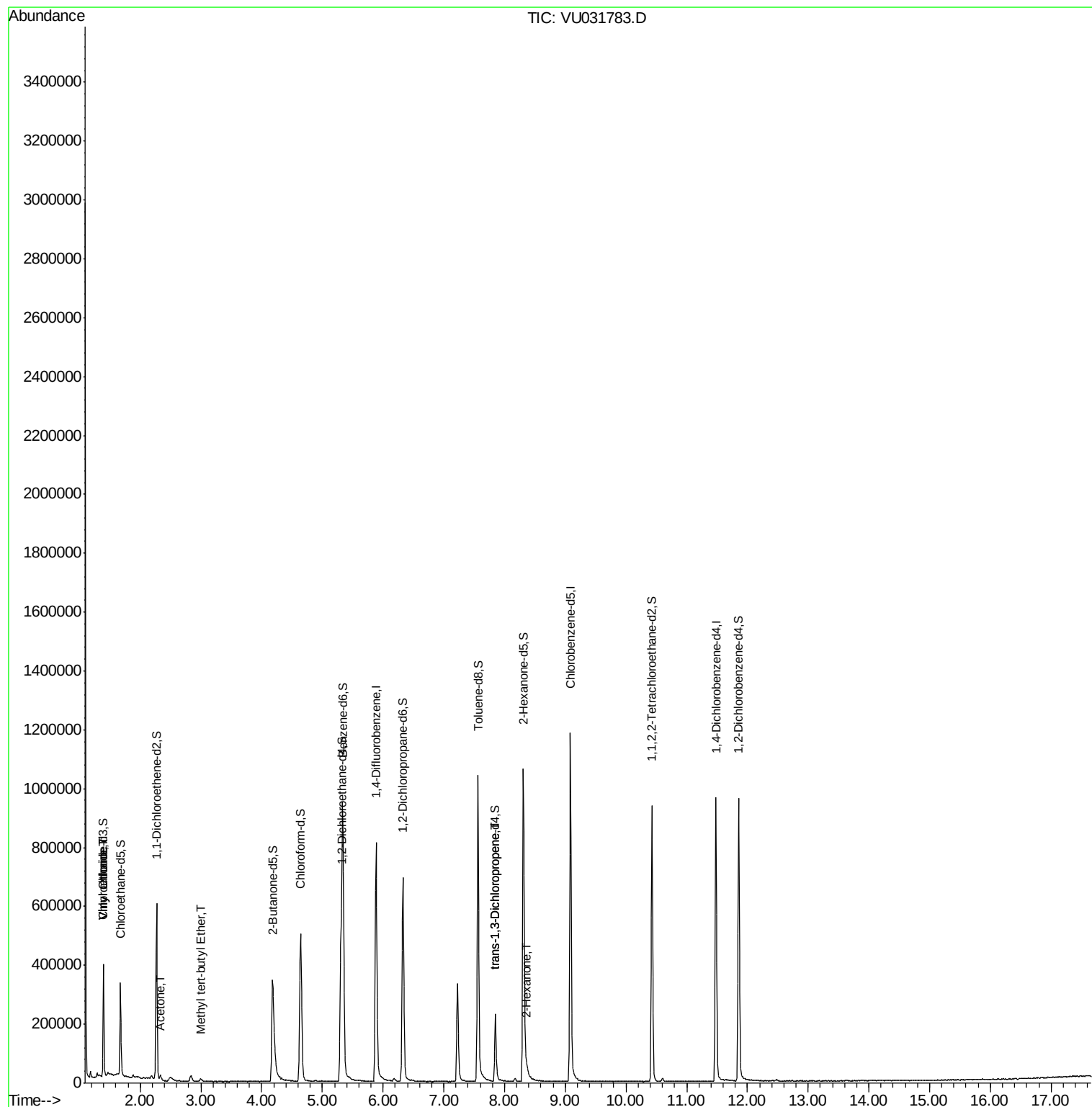
					Ovalue
5) Vinyl chloride	1.40	62	24826	3.142 ug/L #	74
8) Chloroethane	1.40	64	11229	2.599 ug/L	83
13) Acetone	2.33	43	13493	2.486 ug/L	89
18) Methyl tert-butyl Ether	2.99	73	7679	0.467 ug/L	96
44) trans-1,3-Dichloropropene	7.85	75	5395	0.698 ug/L #	67
48) 2-Hexanone	8.37	43	19569	2.437 ug/L #	40

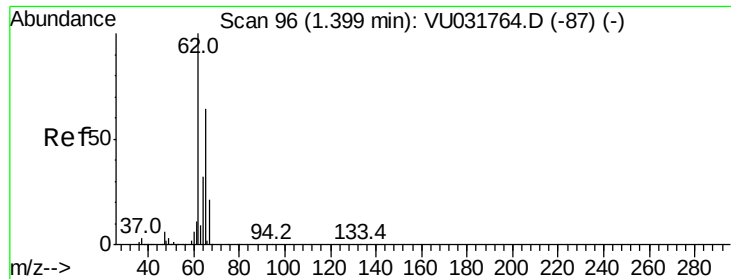
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.142 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031783.D

Acq: 06 May 2019 16:20

Instrument :

MSVOA_U

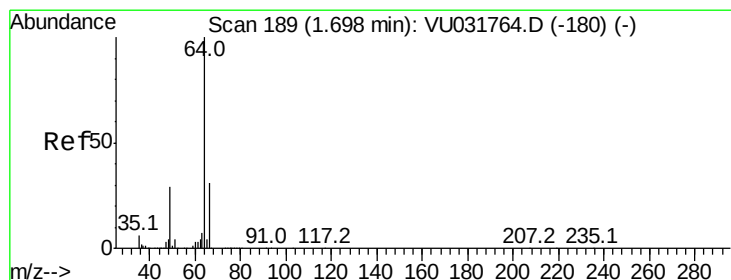
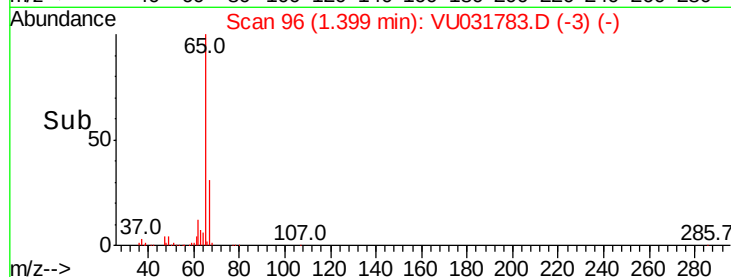
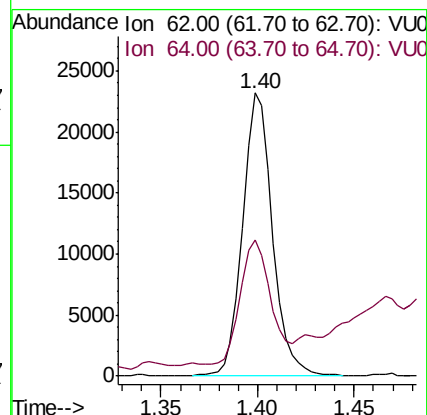
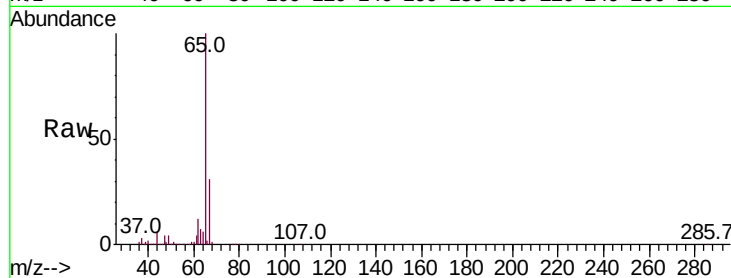
ClientSampleId :

Tot Ion: 62 Resp: 24826

Ion Ratio Lower Upper

62 100

64 47.9 23.1 42.9#



#8

Chloroethane

Concen: 2.599 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.30 min

Lab File: VU031783.D

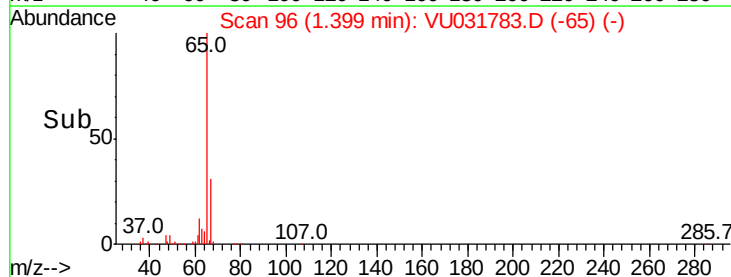
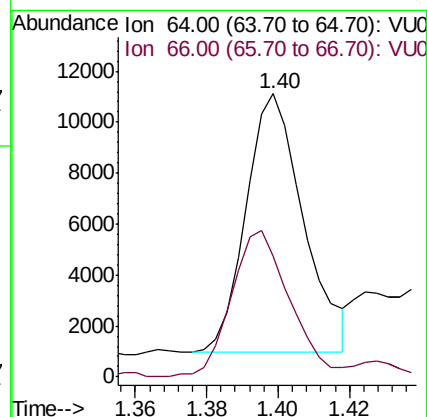
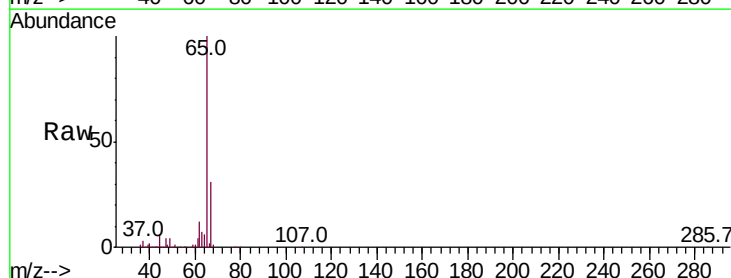
Acq: 06 May 2019 16:20

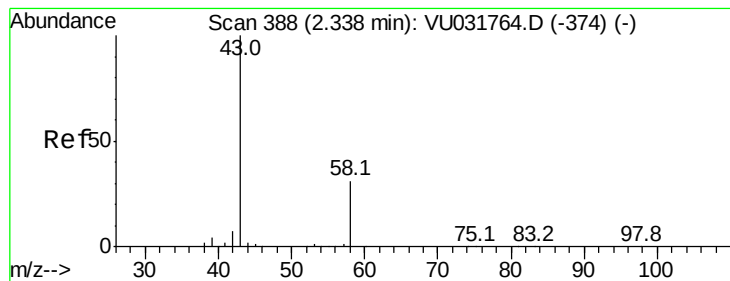
Tgt Ion: 64 Resp: 11229

Ion Ratio Lower Upper

64 100

66 42.8 23.2 43.0





#13

Acetone

Concen: 2.486 ug/L

RT: 2.33 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU031783.D

Acq: 06 May 2019 16:20

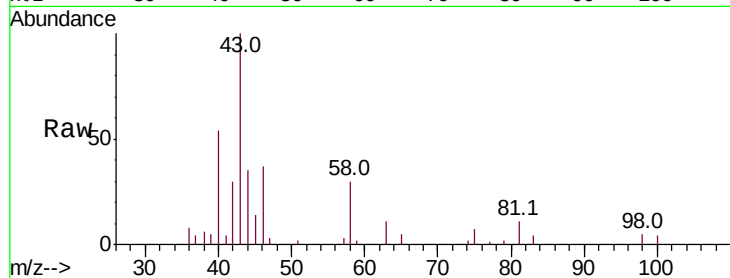
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 13493

Ion Ratio Lower Upper

43 100

58 25.9 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU031764.D (-374) (-)

Ion 58.00 (57.70 to 58.70): VU031764.D (-374) (-)

2.33

8000

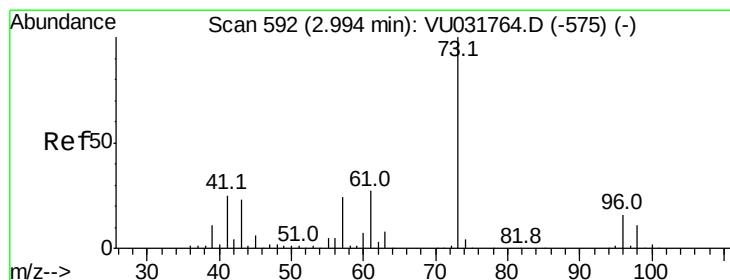
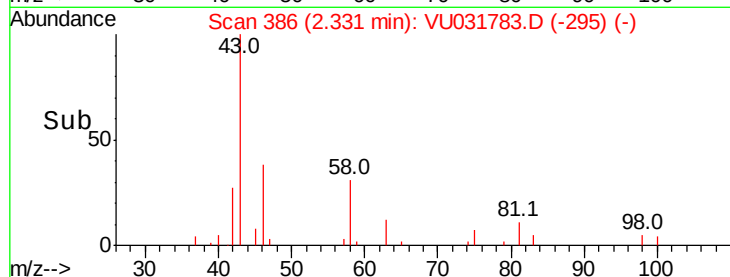
6000

4000

2000

0

Time--> 2.25 2.30 2.35



#18

Methyl tert-butyl Ether

Concen: 0.467 ug/L

RT: 2.99 min Scan# 592

Delta R.T. -0.00 min

Lab File: VU031783.D

Acq: 06 May 2019 16:20

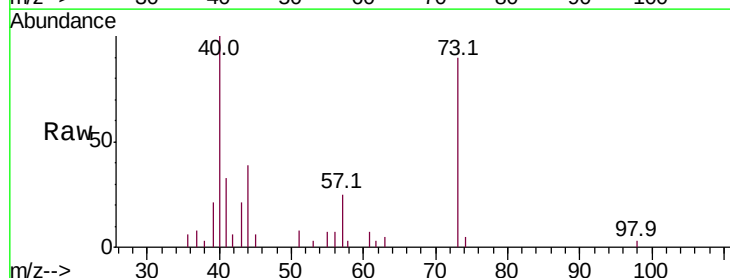
Tgt Ion: 73 Resp: 7679

Ion Ratio Lower Upper

73 100

43 20.1 17.0 25.4

57 21.2 19.5 29.3



Abundance Ion 73.00 (72.70 to 73.70): VU031764.D (-575) (-)

Ion 43.00 (42.70 to 43.70): VU031764.D (-575) (-)

Ion 57.00 (56.70 to 57.70): VU031764.D (-575) (-)

2.99

4000

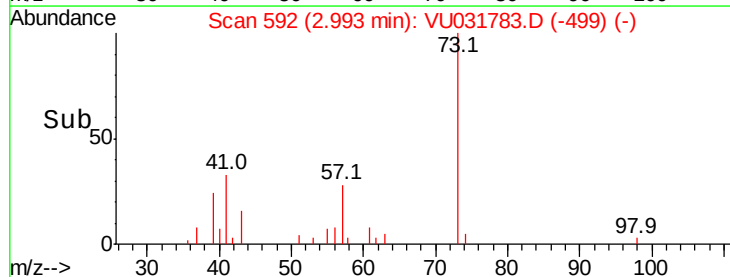
3000

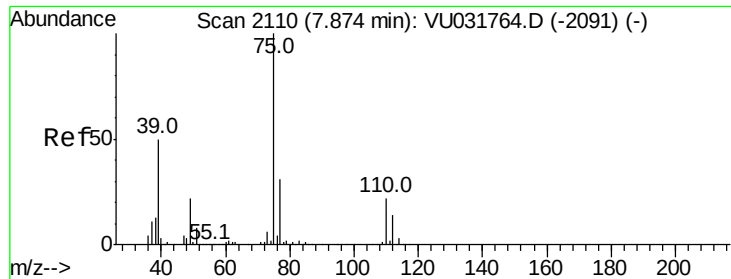
2000

1000

0

Time--> 2.95 3.00 3.05

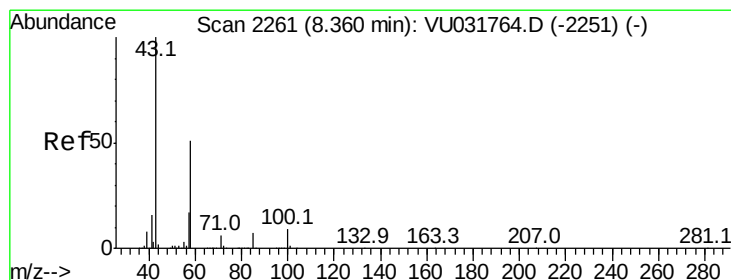
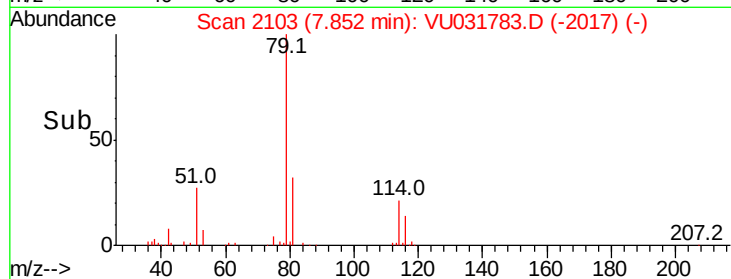
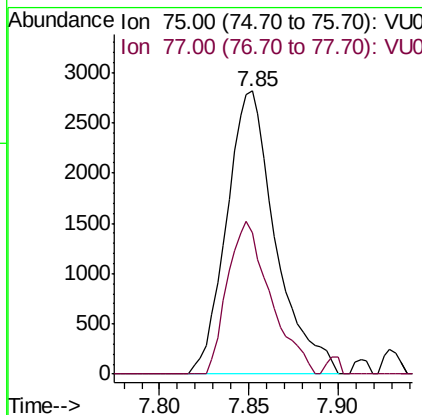
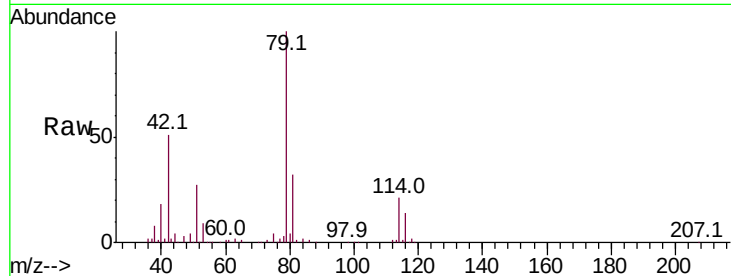




#44
trans-1,3-Dichloropropene
Concen: 0.698 ug/L
RT: 7.85 min Scan# 2103
Delta R.T. -0.02 min
Lab File: VU031783.D
Acq: 06 May 2019 16:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 5395
Ion Ratio Lower Upper
75 100
77 49.8 22.1 41.1#



#48
2-Hexanone
Concen: 2.437 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VU031783.D
Acq: 06 May 2019 16:20

Tgt Ion: 43 Resp: 19569
Ion Ratio Lower Upper
43 100
58 0.0 42.1 63.1#
57 0.5 14.6 22.0#
100 2.8 7.2 10.8#

