

Data File : VU031800.D
Acq On : 07 May 2019 13:30
Operator : JC/SP
Sample : K2705-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0B46

Quant Time: May 08 06:51:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 08 06:47:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	621938	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	613124	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	218472	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	248518	47.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.48%
7) Chloroethane-d5	1.68	69	187688	46.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.32%
11) 1,1-Dichloroethene-d2	2.27	63	381332	36.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.58%
21) 2-Butanone-d5	4.18	46	486611	103.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.18%
24) Chloroform-d	4.64	84	445685	46.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.50%
26) 1,2-Dichloroethane-d4	5.31	65	328550	52.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.50%
32) Benzene-d6	5.34	84	881830	46.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.68%
36) 1,2-Dichloropropane-d6	6.32	67	318179	48.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.08%
41) Toluene-d8	7.56	98	710411	43.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.64%
43) trans-1,3-Dichloropropene-	7.85	79	122235	42.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.98%
47) 2-Hexanone-d5	8.31	63	268537	93.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.66%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	396556	44.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	217486	47.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.68%

Target Compounds

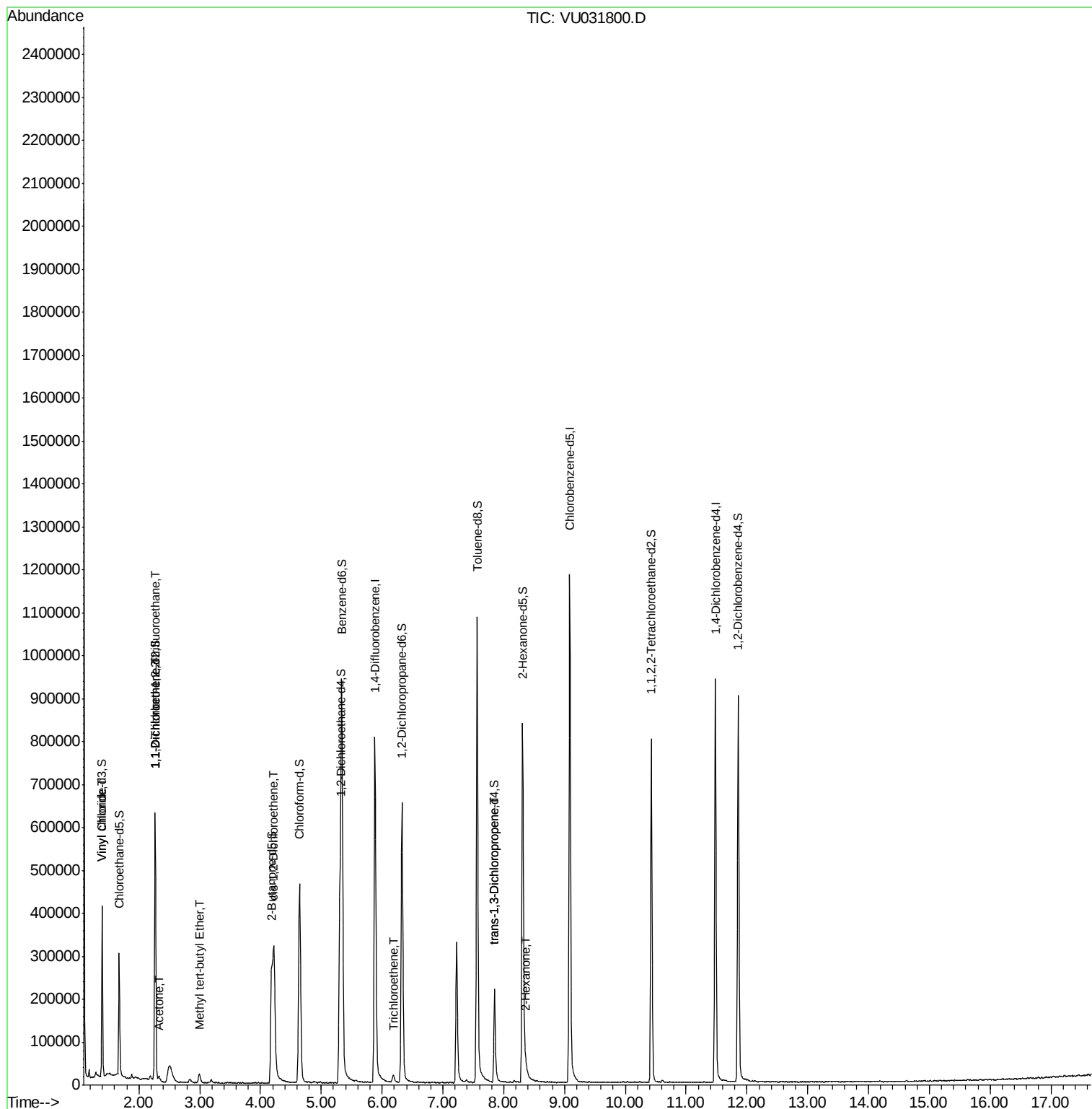
					Qvalue	
5) Vinyl chloride	1.40	62	21396	2.766	ug/L #	61
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3085	0.619	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	3387	0.698	ug/L #	1
13) Acetone	2.33	43	9966	1.876	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	18509	1.149	ug/L #	85
20) cis-1,2-Dichloroethene	4.22	96	133017	24.525	ug/L	87
34) Trichloroethene	6.19	95	4866	0.891	ug/L #	82
44) trans-1,3-Dichloropropene	7.85	75	4683	0.611	ug/L #	64
48) 2-Hexanone	8.37	43	19009	2.387	ug/L #	39

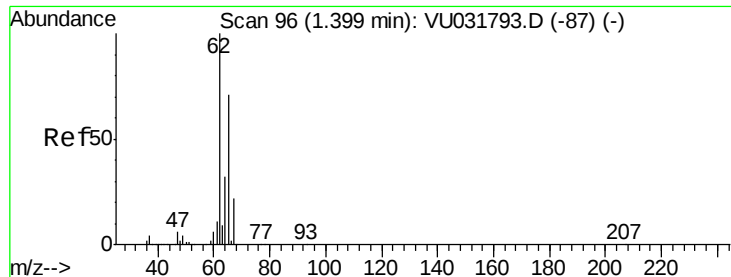
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.766 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

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Acq: 07 May 2019 13:30

Instrument :

MSVOA_U

ClientSampleId :

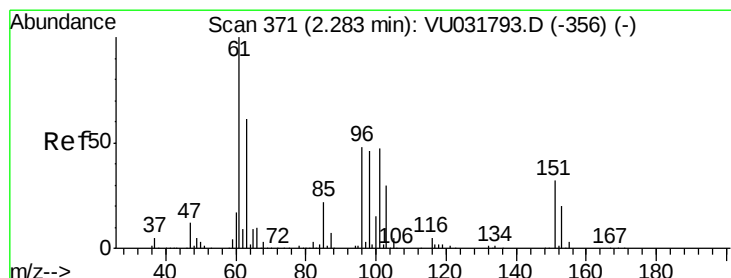
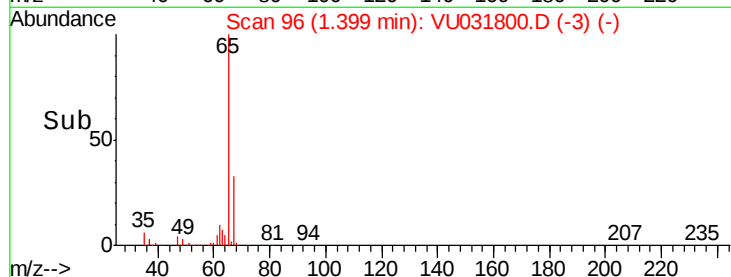
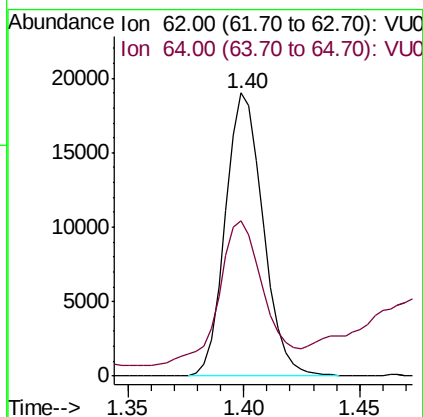
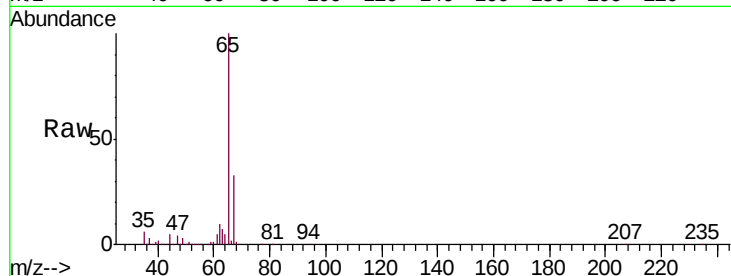
C0B46

Tgt Ion: 62 Resp: 21396

Ion Ratio Lower Upper

62 100

64 54.8 23.1 42.9#



#10

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

Concen: 0.619 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU031800.D

Acq: 07 May 2019 13:30

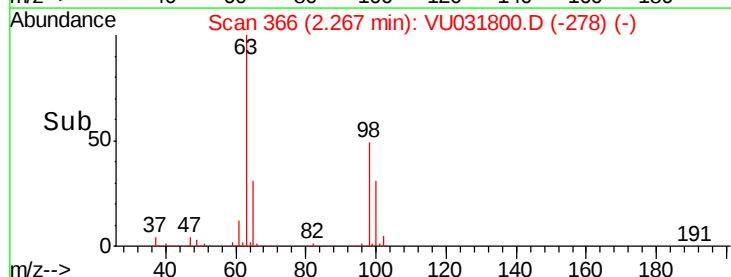
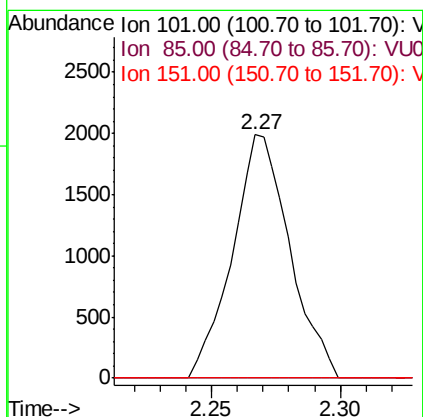
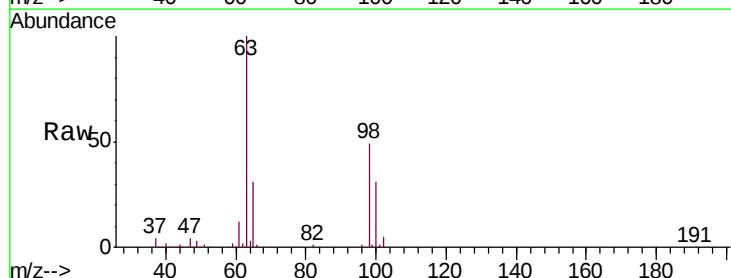
Tgt Ion: 101 Resp: 3085

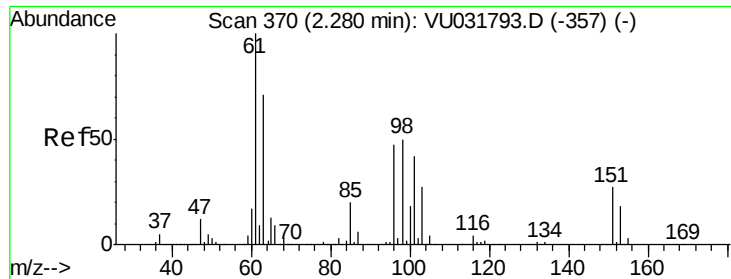
Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

151 0.0 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 0.698 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031800.D

Acq: 07 May 2019 13:30

Instrument :

MSVOA_U

ClientSampleId :

C0B46

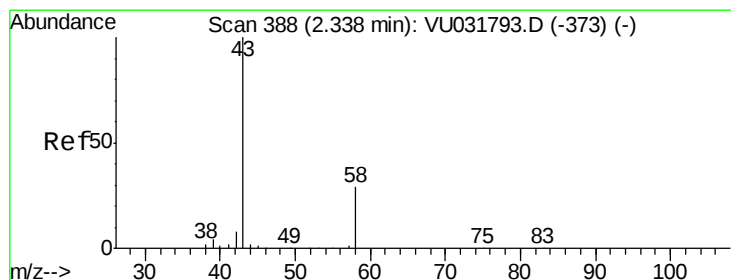
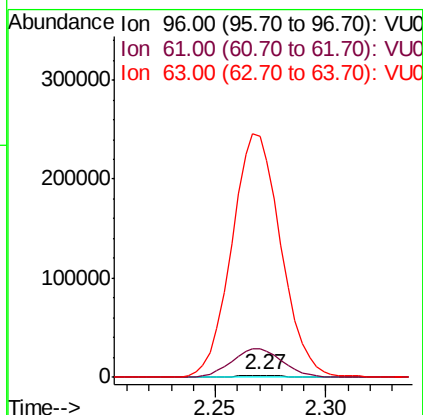
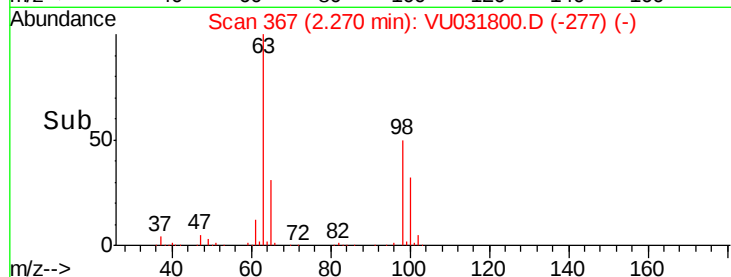
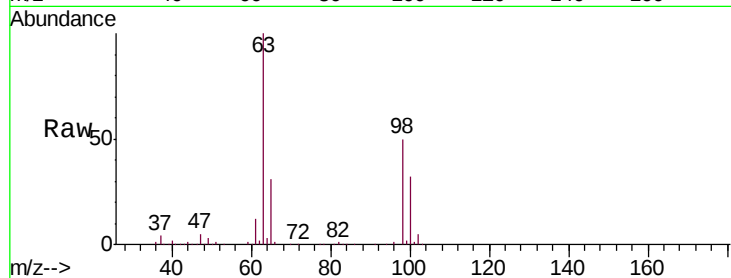
Tgt Ion: 96 Resp: 3387

Ion Ratio Lower Upper

96 100

61 1425.4 135.0 250.6#

63 11804.4 103.5 192.3#



#13

Acetone

Concen: 1.876 ug/L

RT: 2.33 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU031800.D

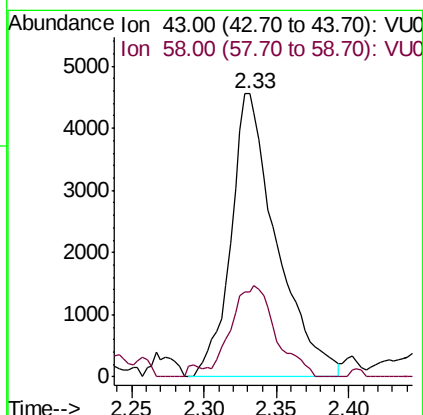
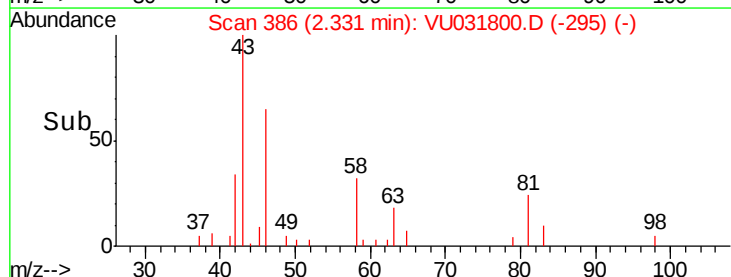
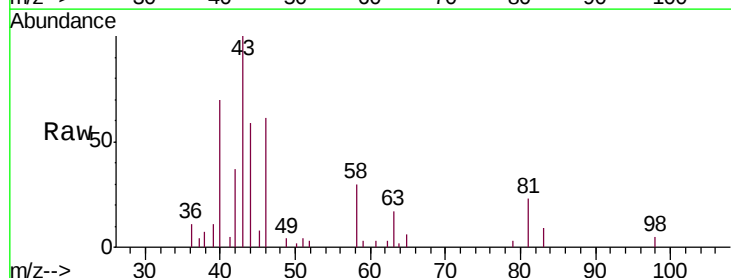
Acq: 07 May 2019 13:30

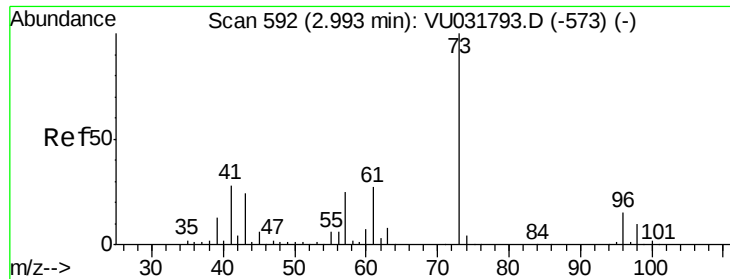
Tgt Ion: 43 Resp: 9966

Ion Ratio Lower Upper

43 100

58 30.9 0.0 64.4

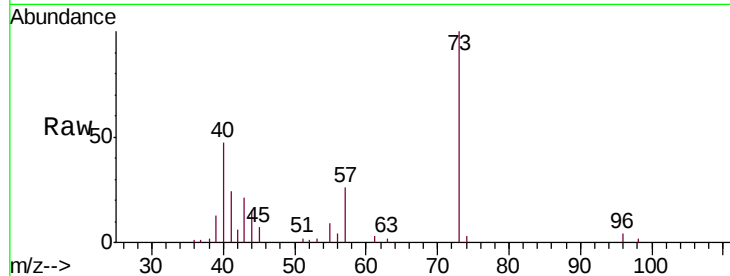




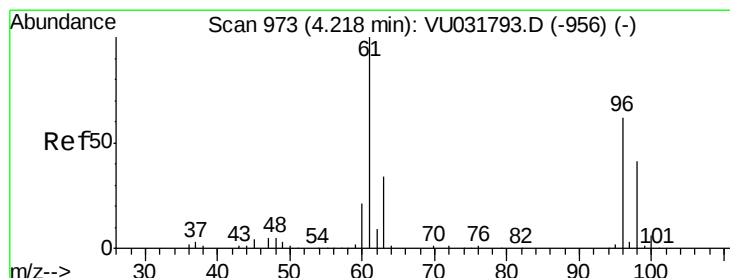
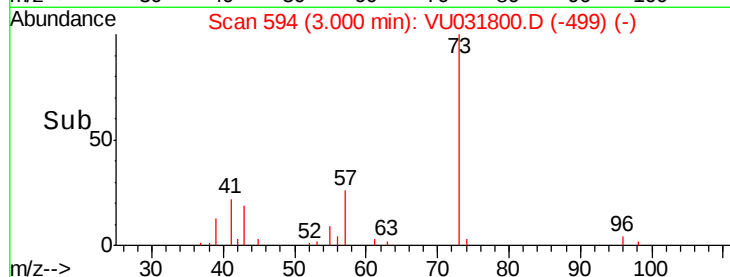
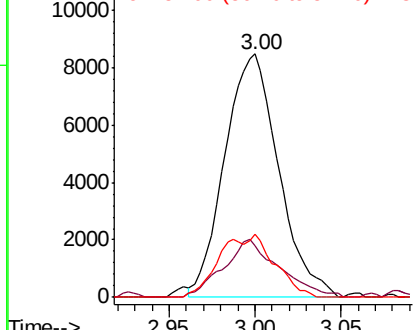
#18
Methyl tert-butyl Ether
Concen: 1.149 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.01 min
Lab File: VU031800.D
Acq: 07 May 2019 13:30

Instrument :
MSVOA_U
ClientSampled :
C0B46

Tgt Ion: 73 Resp: 18509
Ion Ratio Lower Upper
73 100
43 24.4 17.0 25.4
57 13.2 19.5 29.3#

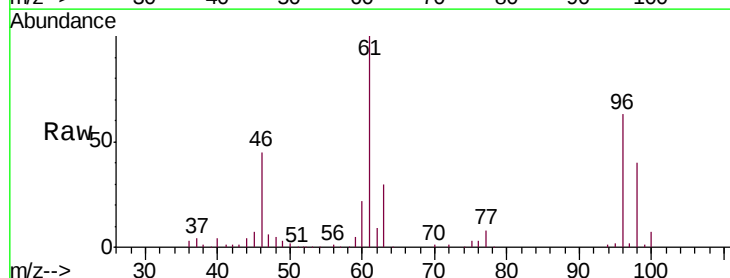


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

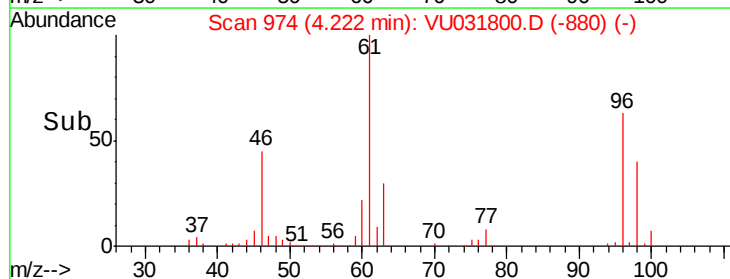
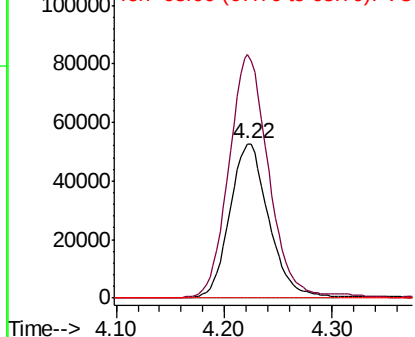


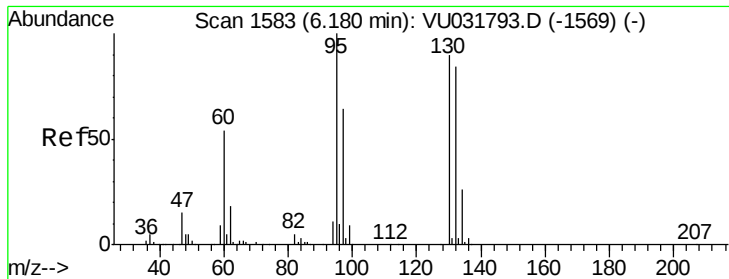
#20
cis-1,2-Dichloroethene
Concen: 24.525 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU031800.D
Acq: 07 May 2019 13:30

Tgt Ion: 96 Resp: 133017
Ion Ratio Lower Upper
96 100
61 157.7 99.5 184.7
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

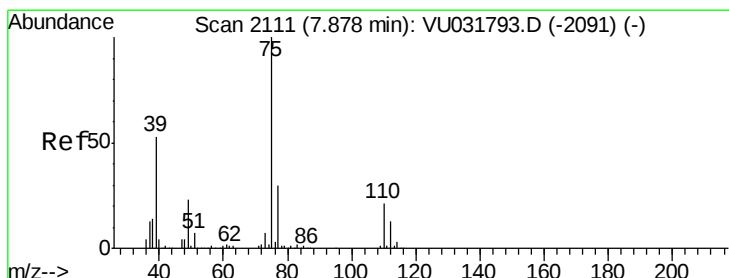
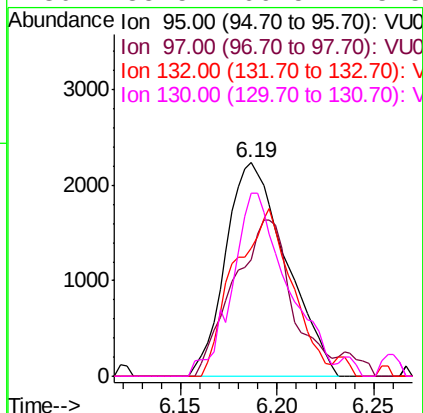
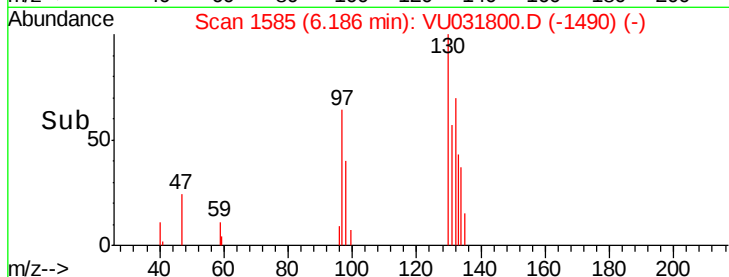
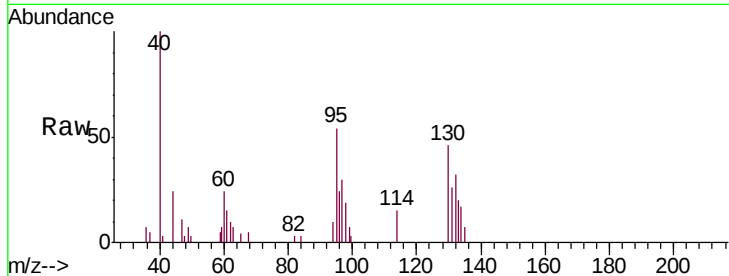




#34
 Trichloroethene
 Concen: 0.891 ug/L
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: VU031800.D
 Acq: 07 May 2019 13:30

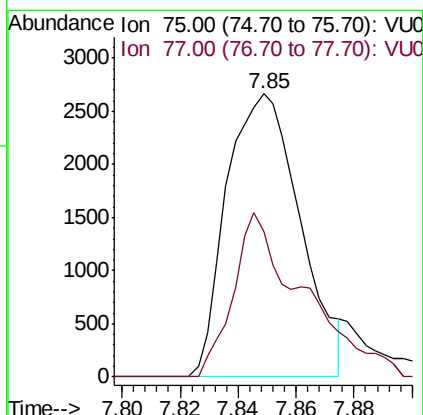
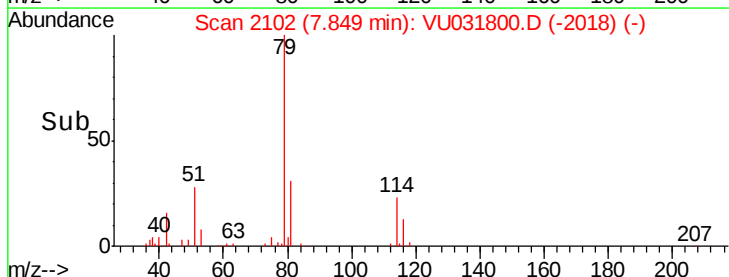
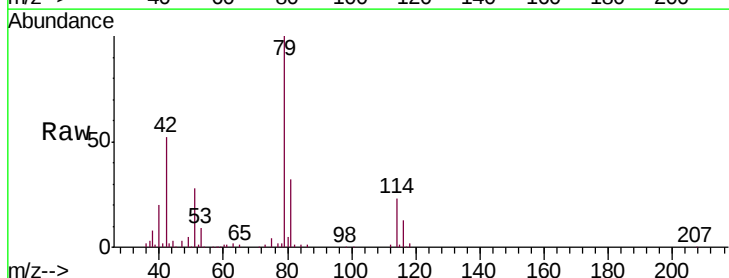
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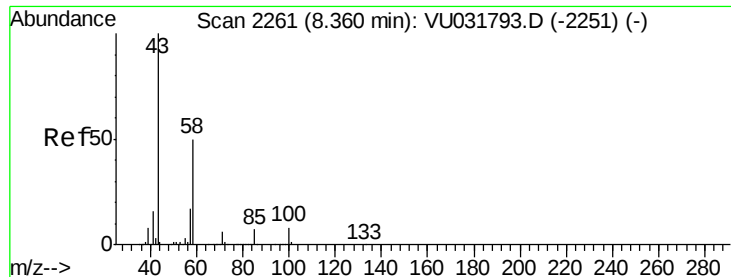
Tgt Ion: 95 Resp: 4866
 Ion Ratio Lower Upper
 95 100
 97 54.7 44.8 83.2
 132 60.2 63.1 117.1#
 130 85.5 66.5 123.5



#44
 trans-1,3-Dichloropropene
 Concen: 0.611 ug/L
 RT: 7.85 min Scan# 2102
 Delta R.T. -0.03 min
 Lab File: VU031800.D
 Acq: 07 May 2019 13:30

Tgt Ion: 75 Resp: 4683
 Ion Ratio Lower Upper
 75 100
 77 51.3 22.1 41.1#





#48

2-Hexanone

Concen: 2.387 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU031800.D

Acq: 07 May 2019 13:30

Instrument :

MSVOA_U

ClientSampleId :

C0B46

Tgt Ion: 43 Resp: 19009

Ion Ratio Lower Upper

43 100

58 0.0 42.1 63.1#

57 0.0 14.6 22.0#

100 2.3 7.2 10.8#

