

Data File : VU031801.D
Acq On : 07 May 2019 13:53
Operator : JC/SP
Sample : K2705-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0B45

Quant Time: May 08 06:51:40 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	560259	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	539121	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	196615	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	203387	43.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.76%
7) Chloroethane-d5	1.68	69	166808	46.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.06%
11) 1,1-Dichloroethene-d2	2.27	63	319152	34.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.36%
21) 2-Butanone-d5	4.18	46	548908	129.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	129.20%
24) Chloroform-d	4.64	84	437552	50.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.90%
26) 1,2-Dichloroethane-d4	5.31	65	319040	56.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.74%
32) Benzene-d6	5.34	84	787917	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.18%
36) 1,2-Dichloropropane-d6	6.33	67	302056	51.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.72%
41) Toluene-d8	7.56	98	599042	41.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.08%
43) trans-1,3-Dichloropropene-	7.85	79	114649	45.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.72%
47) 2-Hexanone-d5	8.31	63	283505	112.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	424812	54.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.70%
64) 1,2-Dichlorobenzene-d4	11.86	152	202009	48.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.70%

Target Compounds

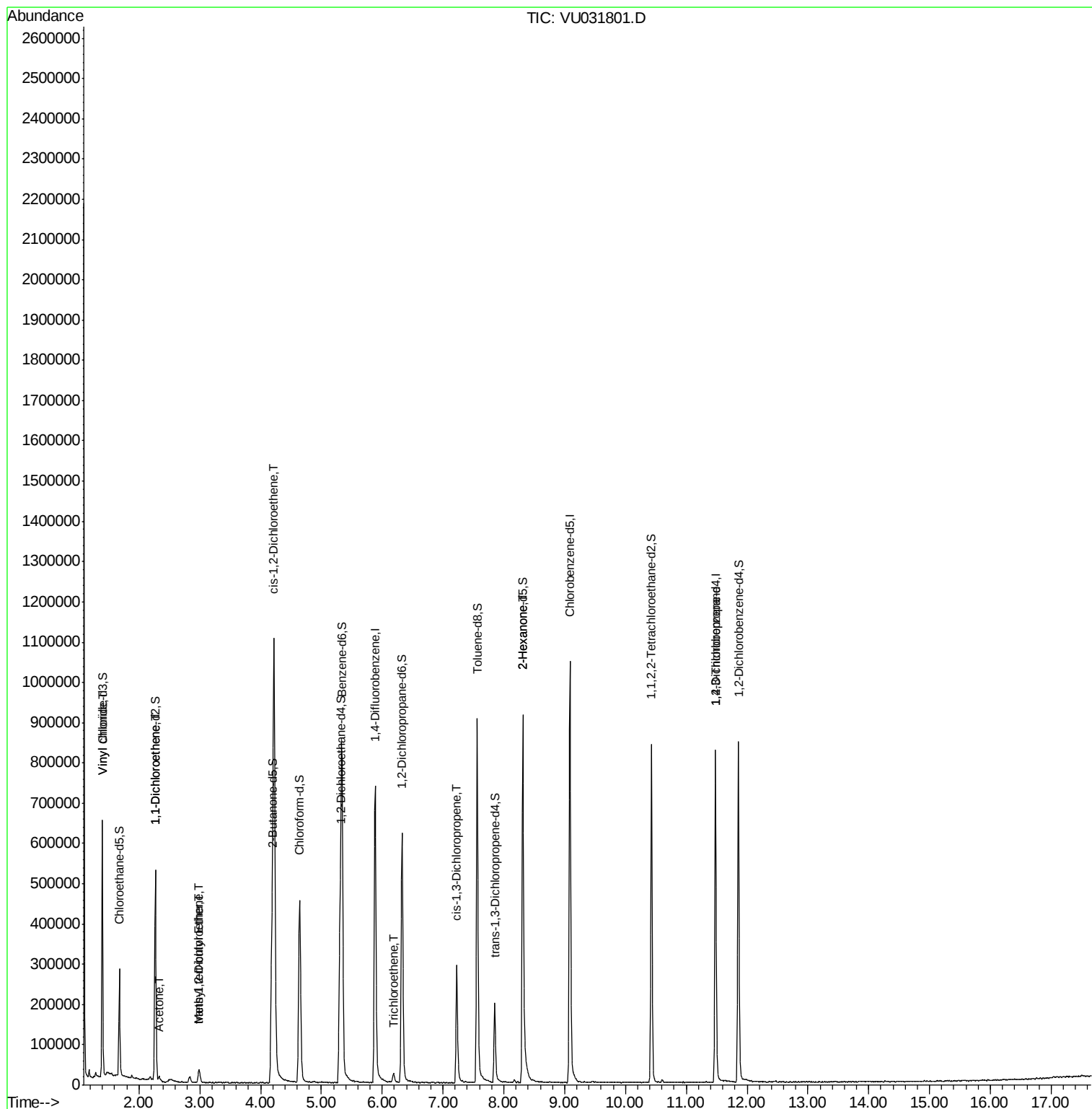
						Qvalue
5) Vinyl chloride	1.40	62	243350	34.919	ug/L	99
12) 1,1-Dichloroethene	2.28	96	7800	1.784	ug/L #	1
13) Acetone	2.33	43	9983	2.086	ug/L	76
17) trans-1,2-Dichloroethene	2.98	96	8398	1.844	ug/L	86
18) Methyl tert-butyl Ether	3.00	73	13598	0.937	ug/L #	93
20) cis-1,2-Dichloroethene	4.22	96	532750	109.040	ug/L	86
34) Trichloroethene	6.19	95	6695	1.393	ug/L	91
39) cis-1,3-Dichloropropene	7.22	75	7546	1.015	ug/L	91
48) 2-Hexanone	8.31	43	41438	5.918	ug/L #	75
59) 1,2,3-Trichloropropane	11.48	75	29481	4.419	ug/L	89

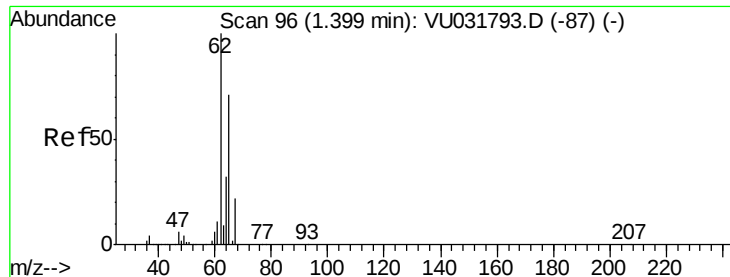
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 34.919 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031801.D

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Instrument :

MSVOA_U

ClientSampleId :

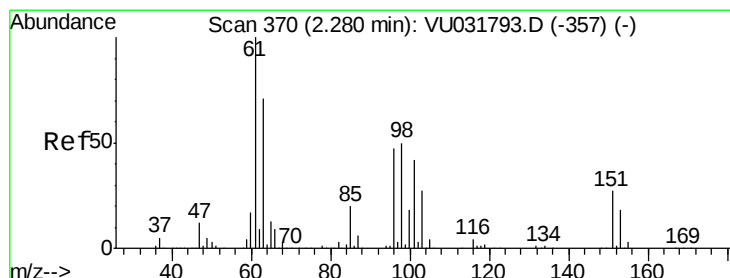
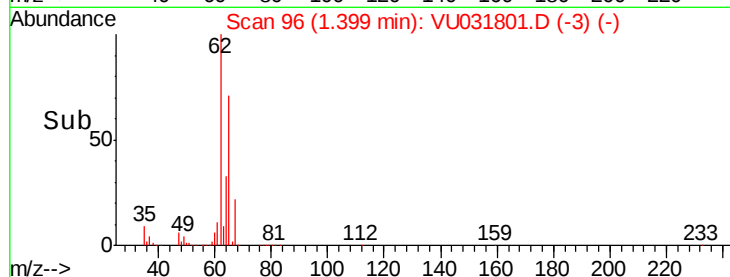
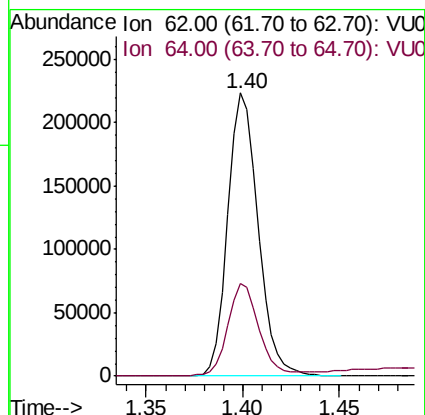
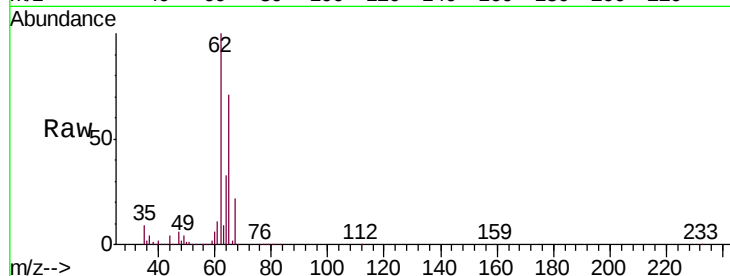
C0B45

Tgt Ion: 62 Resp: 243350

Ion Ratio Lower Upper

62 100

64 32.6 23.1 42.9



#12

1,1-Dichloroethene

Concen: 1.784 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031801.D

Acq: 07 May 2019 13:53

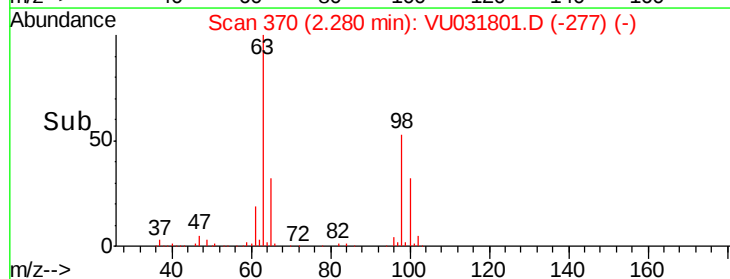
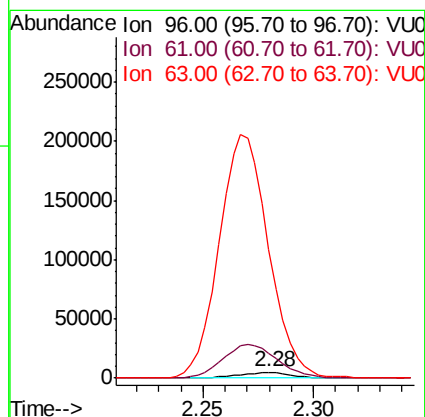
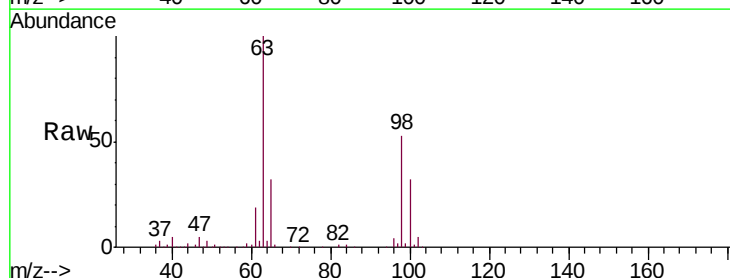
Tgt Ion: 96 Resp: 7800

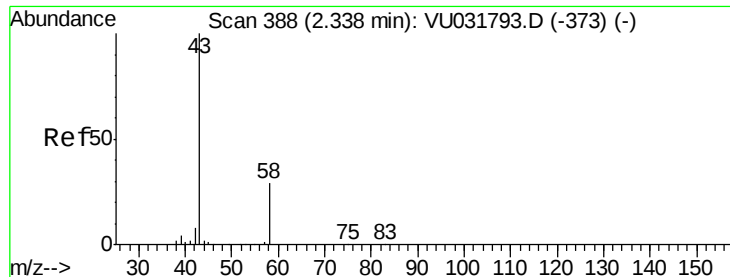
Ion Ratio Lower Upper

96 100

61 430.0 135.0 250.6#

63 2232.3 103.5 192.3#





#13

Acetone

Concen: 2.086 ug/L

RT: 2.33 min Scan# 387

Delta R.T. -0.00 min

Lab File: VU031801.D

Acq: 07 May 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

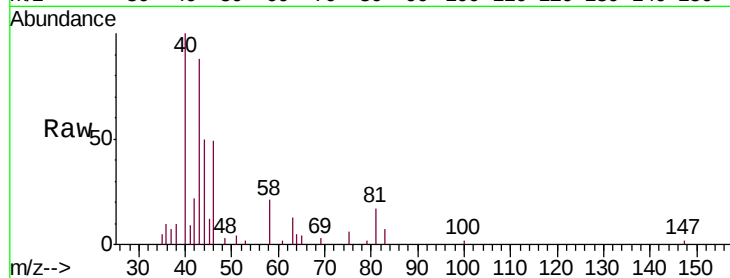
C0B45

Tgt Ion: 43 Resp: 9983

Ion Ratio Lower Upper

43 100

58 18.6 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU031793.D (-373) (-)

Ion 58.00 (57.70 to 58.70): VU031793.D (-373) (-)

2.33

4000

3000

2000

1000

0

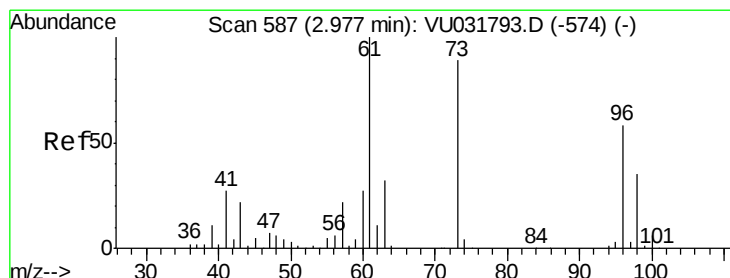
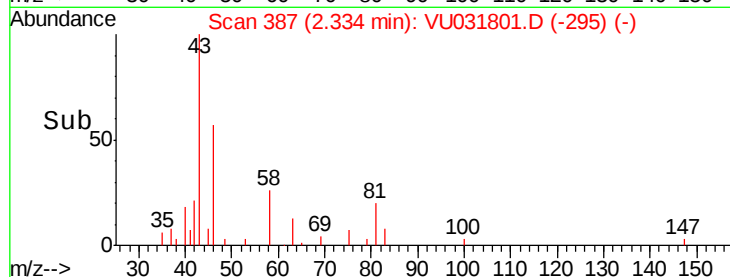
Time-->

2.25

2.30

2.35

2.40



#17

trans-1,2-Dichloroethene

Concen: 1.844 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031801.D

Acq: 07 May 2019 13:53

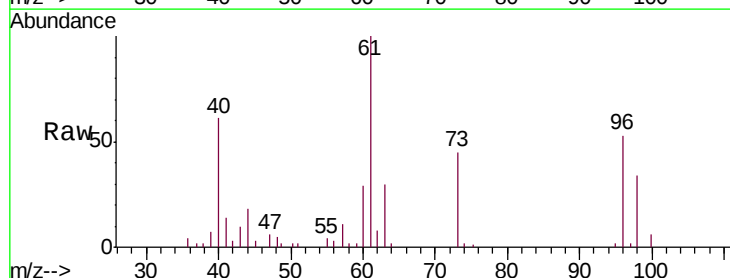
Tgt Ion: 96 Resp: 8398

Ion Ratio Lower Upper

96 100

61 190.3 114.5 212.7

98 64.5 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU031793.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU031793.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU031793.D (-574) (-)

2.98

10000

8000

6000

4000

2000

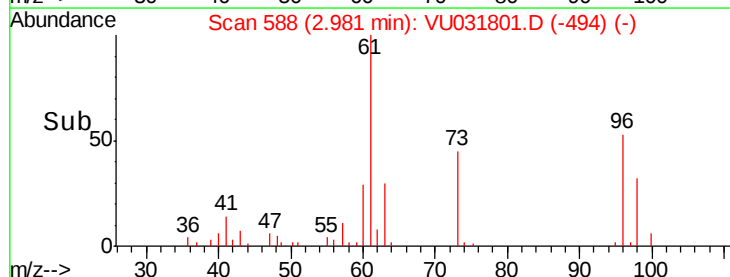
0

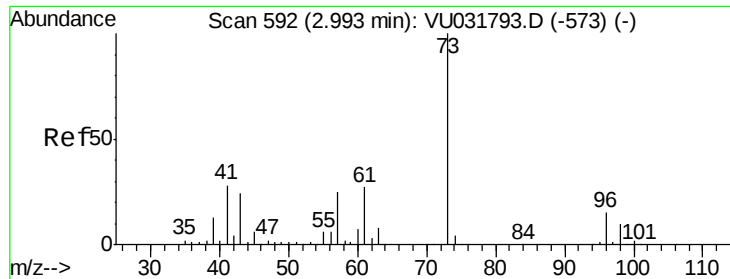
Time-->

2.95

3.00

3.05

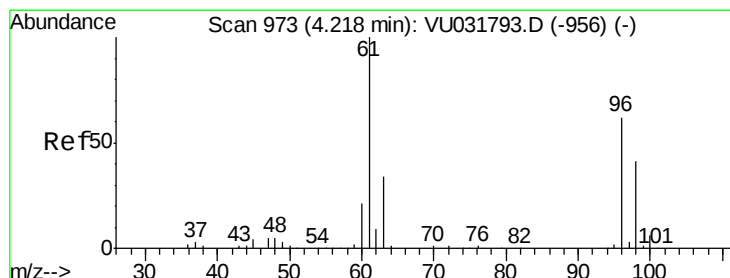
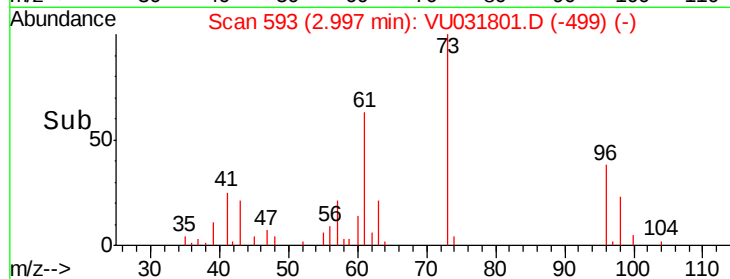
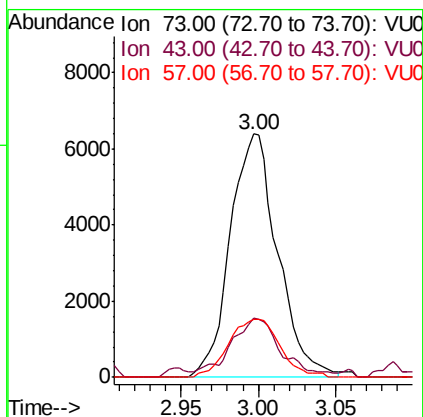
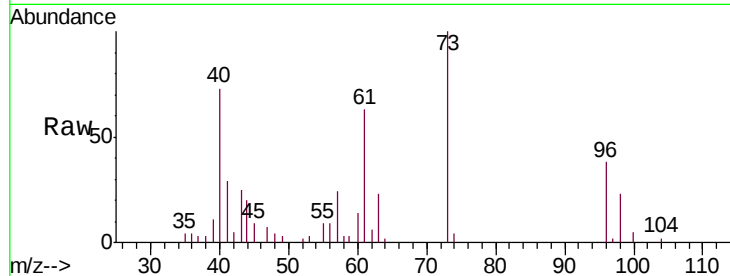




#18
Methyl tert-butyl Ether
Concen: 0.937 ug/L
RT: 3.00 min Scan# 593
Delta R.T. 0.00 min
Lab File: VU031801.D
Acq: 07 May 2019 13:53

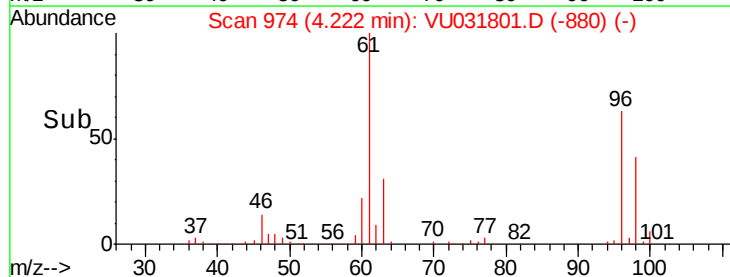
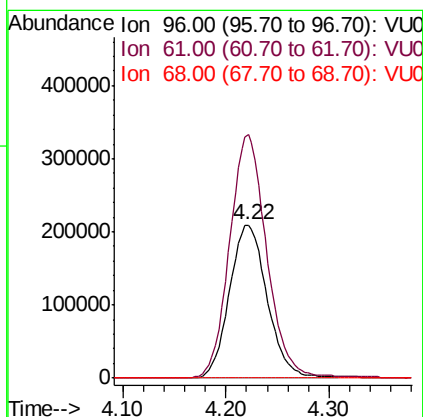
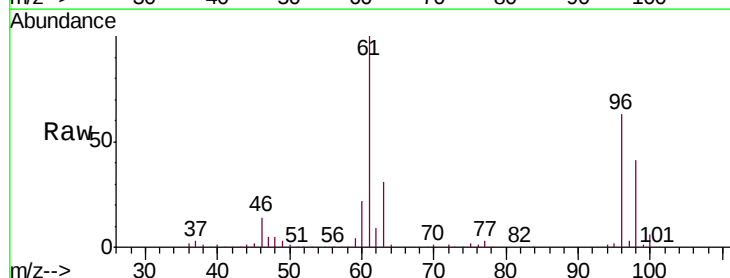
Instrument :
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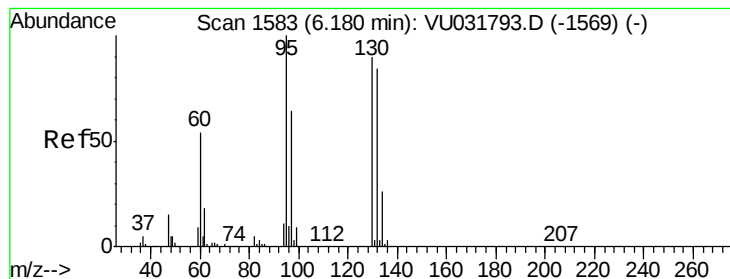
Tgt Ion: 73 Resp: 13598
Ion Ratio Lower Upper
73 100
43 15.5 17.0 25.4#
57 25.6 19.5 29.3



#20
cis-1,2-Dichloroethene
Concen: 109.040 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU031801.D
Acq: 07 May 2019 13:53

Tgt Ion: 96 Resp: 532750
Ion Ratio Lower Upper
96 100
61 158.9 99.5 184.7
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 1.393 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU031801.D

Acq: 07 May 2019 13:53

Instrument :

MSVOA_U

ClientSampleId :

C0B45

Tgt Ion: 95 Resp: 6695

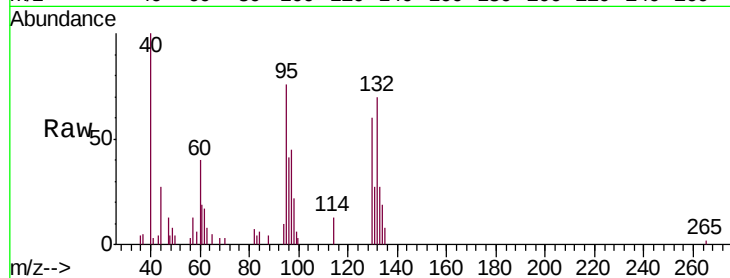
Ion Ratio Lower Upper

95 100

97 58.6 44.8 83.2

132 92.0 63.1 117.1

130 78.7 66.5 123.5

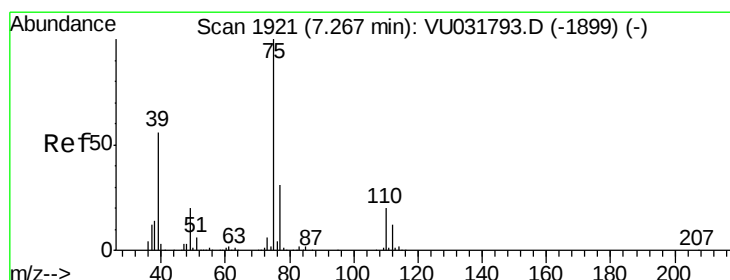
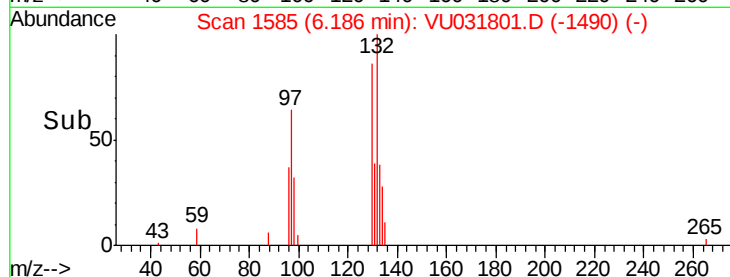
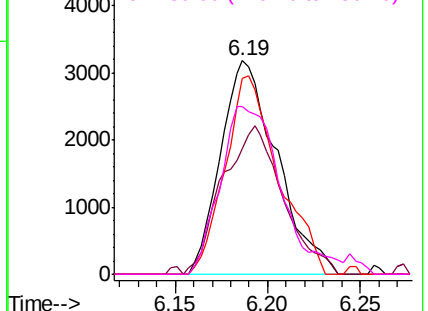


Abundance Ion 95.00 (94.70 to 95.70): VU031801.D (-1490) (-)

Ion 97.00 (96.70 to 97.70): VU031801.D (-1490) (-)

Ion 132.00 (131.70 to 132.70): VU031801.D (-1490) (-)

Ion 130.00 (129.70 to 130.70): VU031801.D (-1490) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.015 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU031801.D

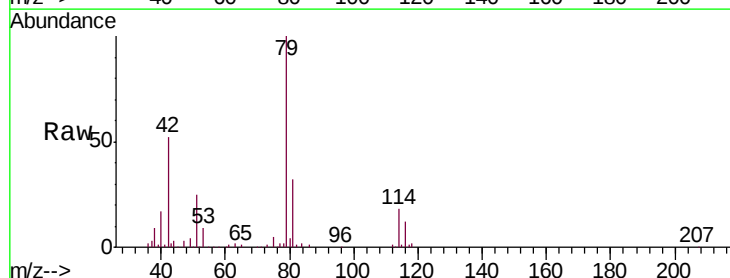
Acq: 07 May 2019 13:53

Tgt Ion: 75 Resp: 7546

Ion Ratio Lower Upper

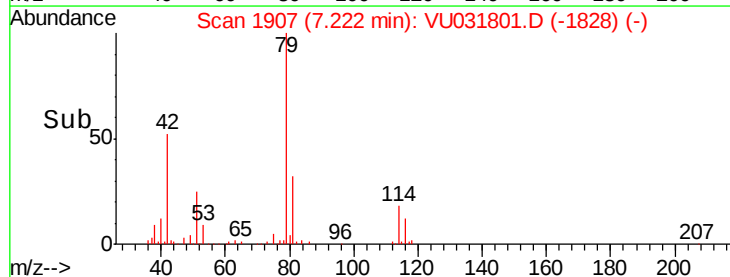
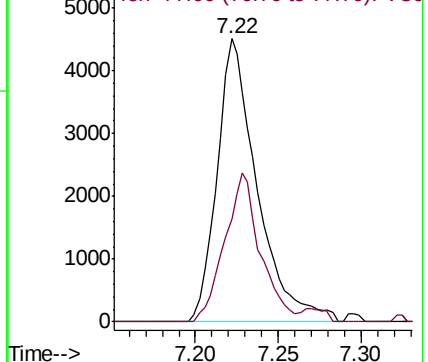
75 100

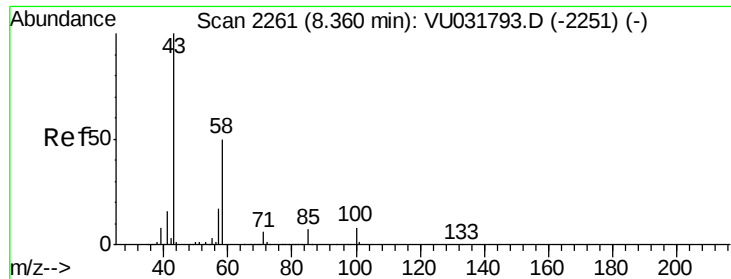
77 36.4 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU031801.D (-1828) (-)

Ion 77.00 (76.70 to 77.70): VU031801.D (-1828) (-)

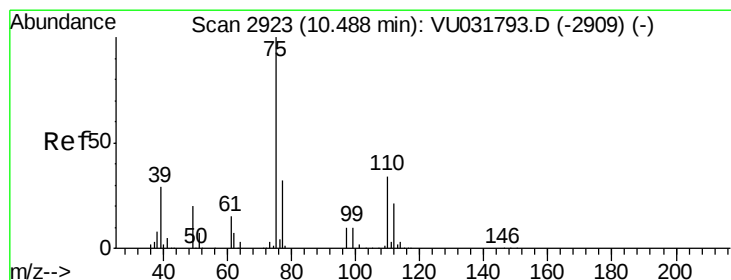
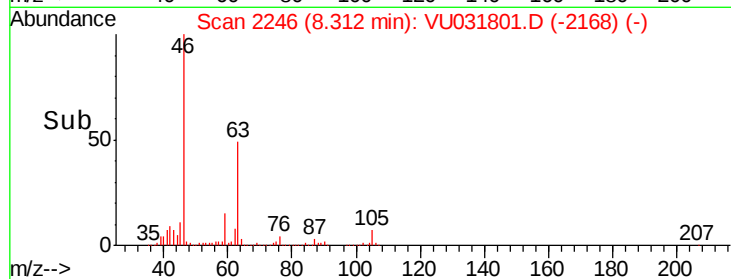
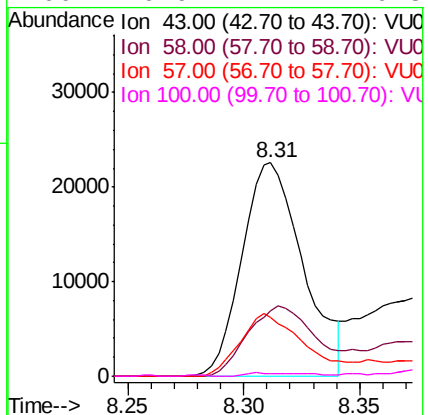
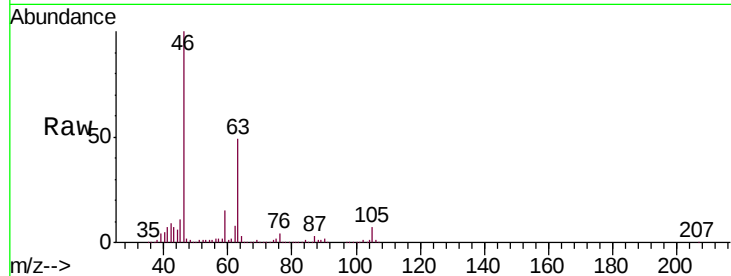




#48
 2-Hexanone
 Concen: 5.918 ug/L
 RT: 8.31 min Scan# 2246
 Delta R.T. -0.05 min
 Lab File: VU031801.D
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 ClientSampleId :
 C0B45

Tgt Ion: 43 Resp: 41438
 Ion Ratio Lower Upper
 43 100
 58 35.7 42.1 63.1#
 57 30.9 14.6 22.0#
 100 0.9 7.2 10.8#



#59
 1,2,3-Trichloropropane
 Concen: 4.419 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU031801.D
 Acq: 07 May 2019 13:53

Tgt Ion: 75 Resp: 29481
 Ion Ratio Lower Upper
 75 100
 77 38.7 25.9 38.9

