

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\
 Data File : VU031180.D
 Acq On : 14 Apr 2019 00:49
 Operator : JC/SP
 Sample : K2339-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFC51

Quant Time: Apr 14 02:29:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sun Apr 14 02:24:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	480800	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	473538	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	181918	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	193464	45.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.16%
7) Chloroethane-d5	1.67	69	150525	46.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.42%
11) 1,1-Dichloroethene-d2	2.27	63	252887	32.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.16%
21) 2-Butanone-d5	4.17	46	327390	96.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.24%
24) Chloroform-d	4.64	84	335136	51.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.24%
26) 1,2-Dichloroethane-d4	5.30	65	224229	50.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.24%
32) Benzene-d6	5.33	84	664997	48.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.32	67	225323	47.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.12%
41) Toluene-d8	7.56	98	559947	45.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	7.85	79	94488	43.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.48%
47) 2-Hexanone-d5	8.31	63	193253	89.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.25%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	313671	49.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.16%
64) 1,2-Dichlorobenzene-d4	11.86	152	197084	55.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.18%

Target Compounds

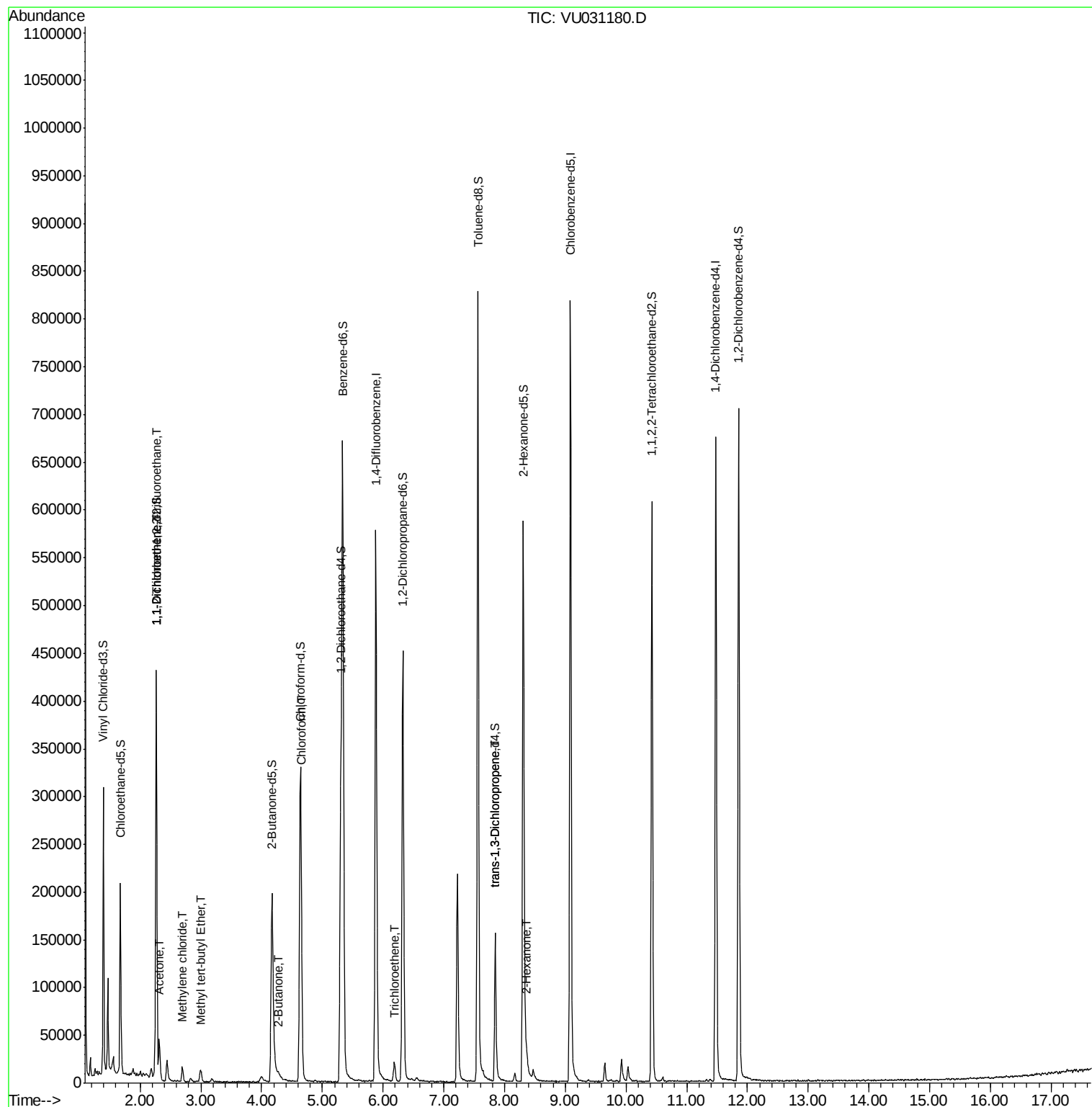
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2487	0.722	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	1947	0.586	ug/L #	1
13) Acetone	2.32	43	42914	12.329	ug/L	99
16) Methylene chloride	2.70	84	6696	1.658	ug/L	96
18) Methyl tert-butyl Ether	2.99	73	12695	1.074	ug/L #	90
22) 2-Butanone	4.27	43	12330	3.021	ug/L #	64
25) Chloroform	4.66	83	4270	0.583	ug/L #	73
34) Trichloroethene	6.19	95	6608	1.739	ug/L	84
44) trans-1,3-Dichloropropene	7.85	75	3423	0.622	ug/L	91
48) 2-Hexanone	8.36	43	9525	1.730	ug/L #	81

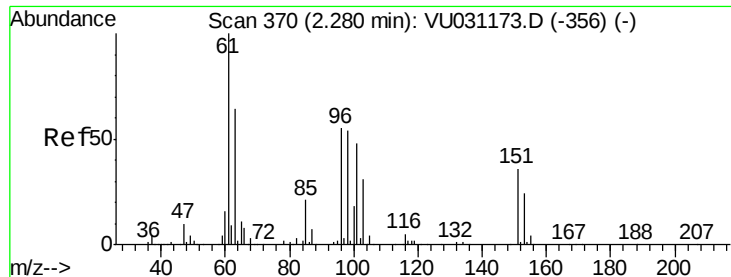
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sun Apr 14 02:24:32 2019
Response via : Initial Calibration





#10

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

Concen: 0.722 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU031180.D

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ClientSampleId :

BFC51

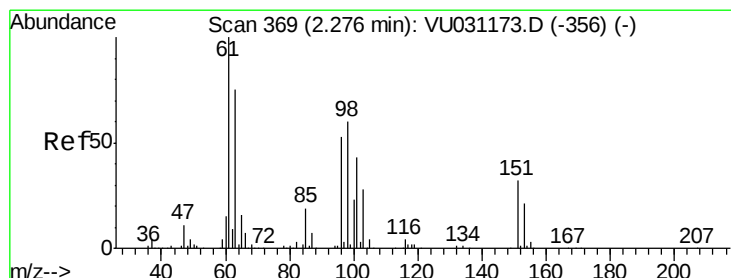
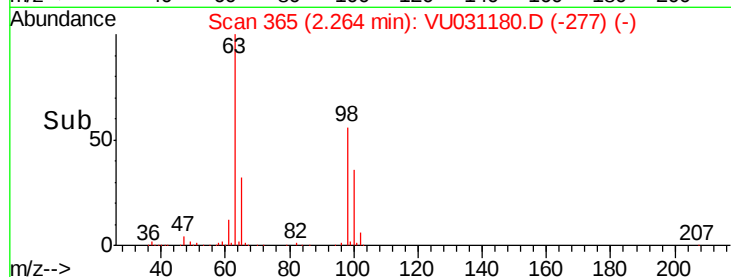
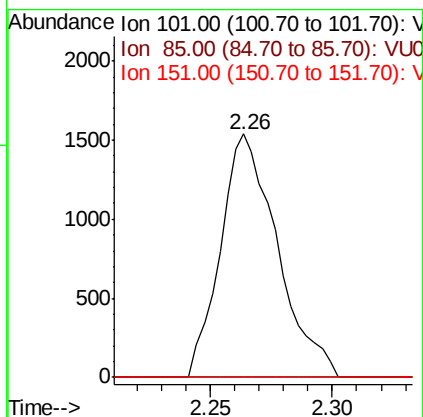
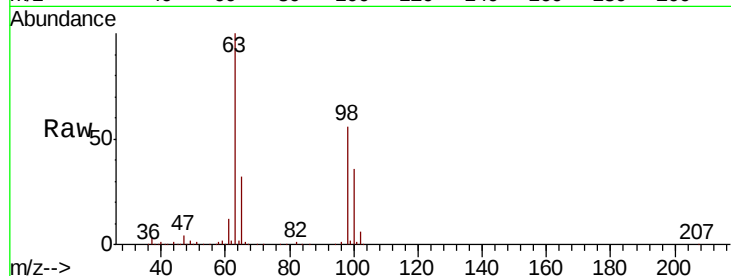
Tot Ion:101 Resp: 2487

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 0.0 57.4 86.0#



#12

1,1-Dichloroethene

Concen: 0.586 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031180.D

Acq: 14 Apr 2019 00:49

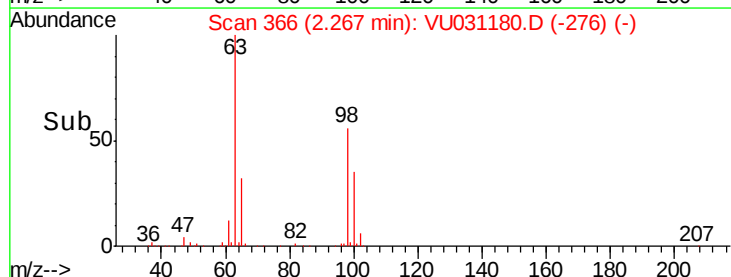
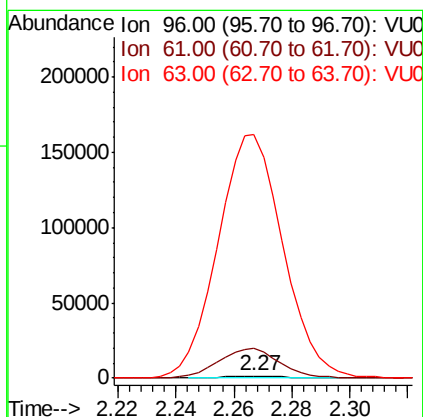
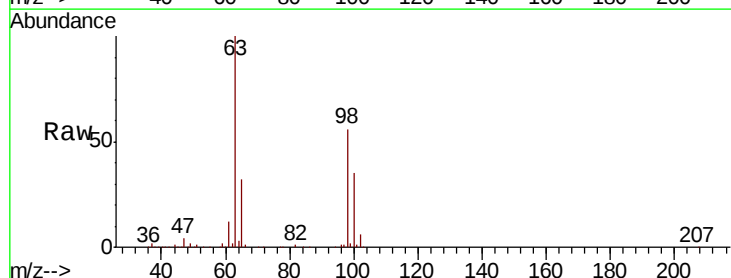
Tgt Ion: 96 Resp: 1947

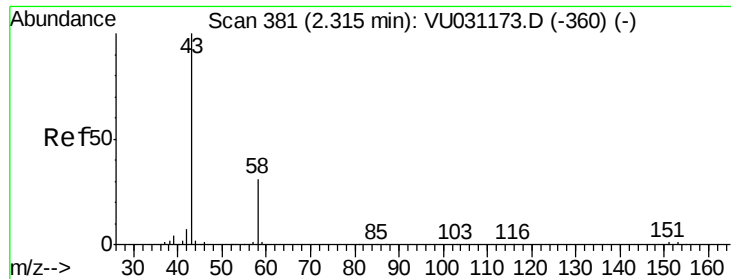
Ion Ratio Lower Upper

96 100

61 1546.2 132.0 245.2#

63 12810.1 90.9 168.9#





#13

Acetone

Concen: 12.329 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU031180.D

Acq: 14 Apr 2019 00:49

Instrument :

MSVOA_U

ClientSampleId :

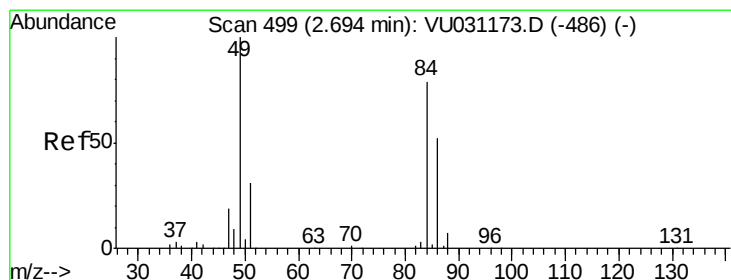
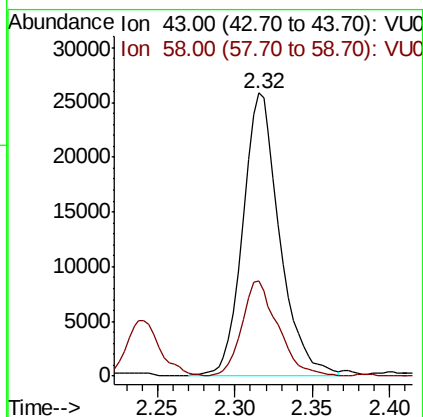
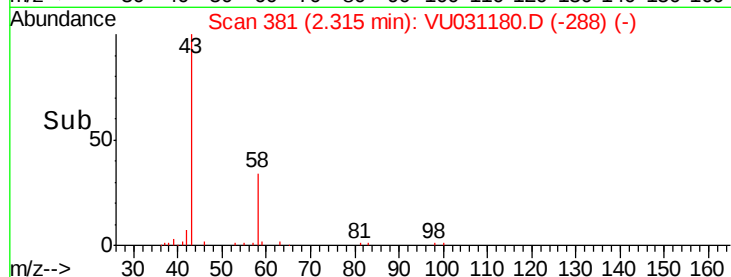
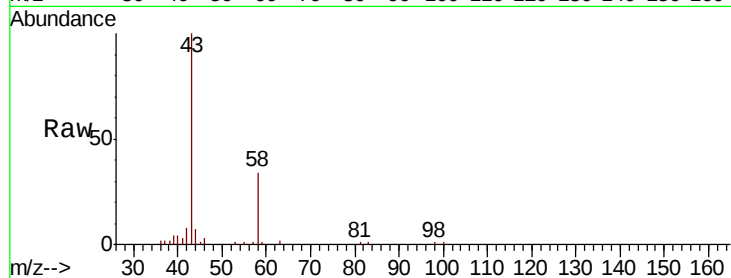
BFC51

Tot Ion: 43 Resp: 42914

Ion Ratio Lower Upper

43 100

58 32.8 0.0 64.0



#16

Methylene chloride

Concen: 1.658 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU031180.D

Acq: 14 Apr 2019 00:49

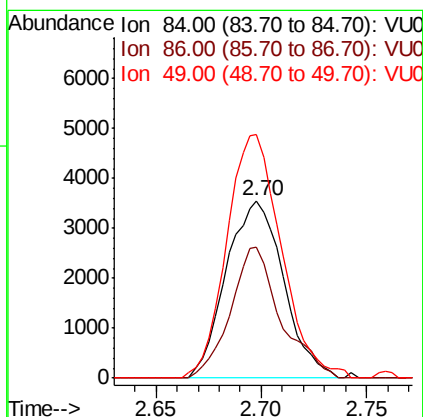
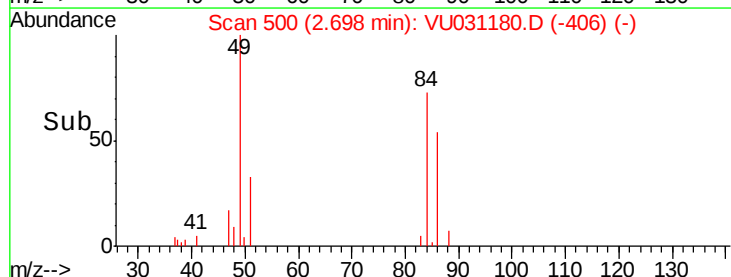
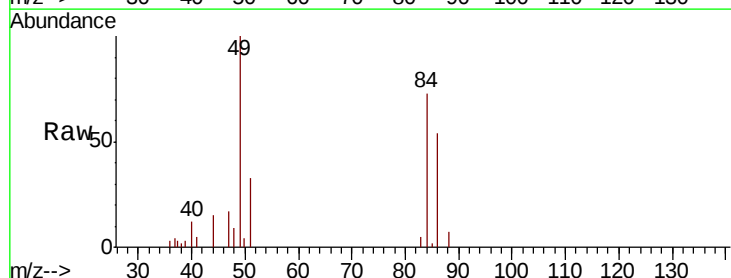
Tgt Ion: 84 Resp: 6696

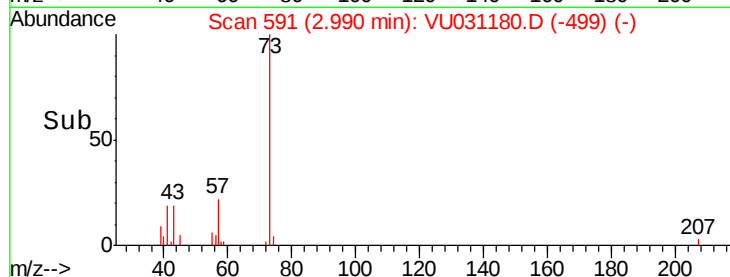
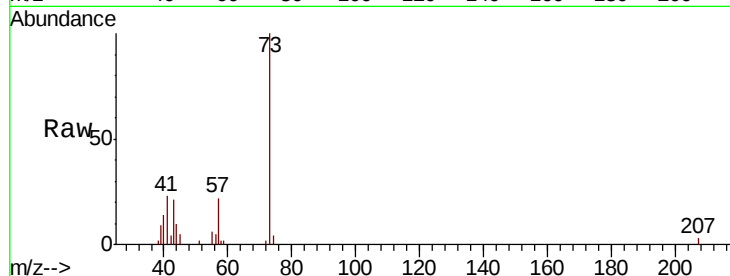
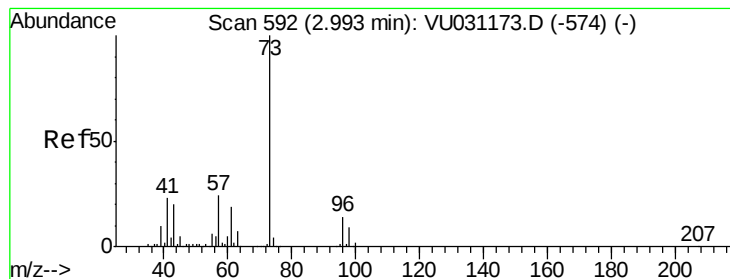
Ion Ratio Lower Upper

84 100

86 73.8 45.1 83.7

49 137.1 96.5 179.1



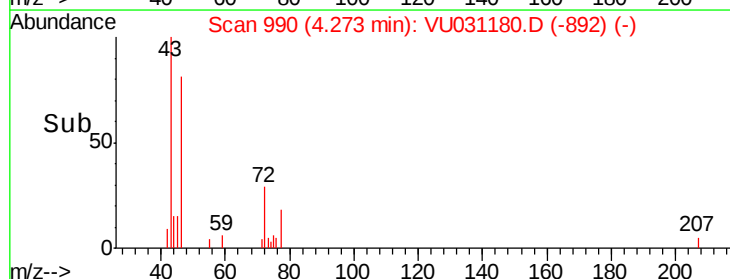
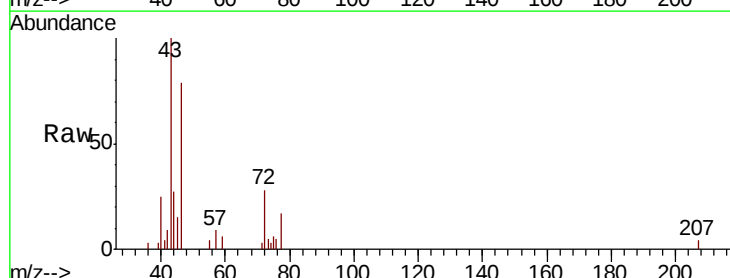
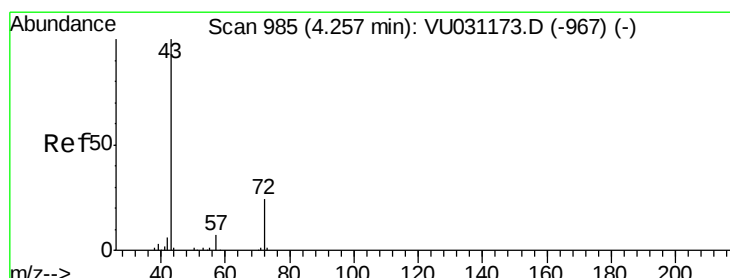
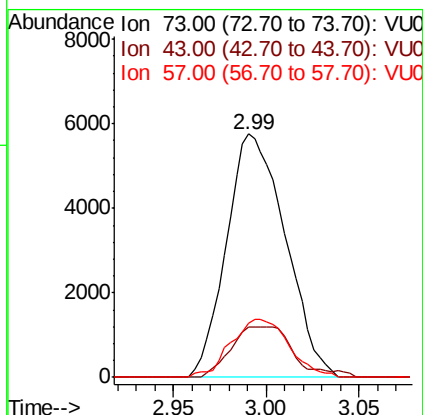


#18

Methvl tert-butvl Ether
Concen: 1.074 ug/L
RT: 2.99 min Scan# 591
Delta R.T. -0.00 min
Lab File: VU031180.D
Acq: 14 Apr 2019 00:49

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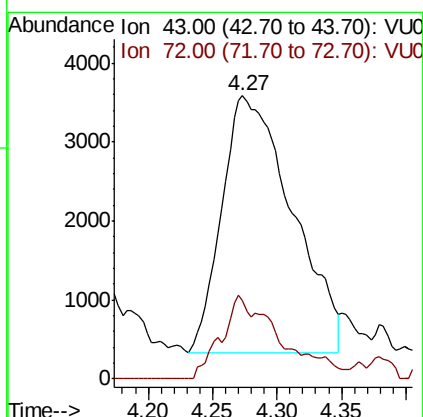
Tot Ion	73	Resp	12695
Ion Ratio	Lower	Upper	
73	100		
43	13.0	16.4	24.6#
57	21.2	19.0	28.4

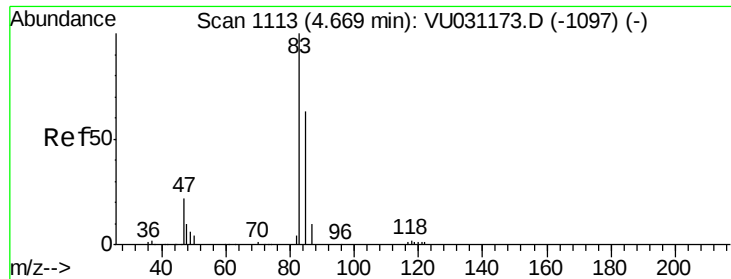


#22

2-Butanone
Concen: 3.021 ug/L
RT: 4.27 min Scan# 990
Delta R.T. 0.02 min
Lab File: VU031180.D
Acq: 14 Apr 2019 00:49

Tgt Ion	43	Resp	12330
Ion Ratio	Lower	Upper	
43	100		
72	4.7	10.8	32.4#





#25

Chloroform

Concen: 0.583 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VU031180.D

Acq: 14 Apr 2019 00:49

Instrument :

MSVOA_U

ClientSampleId :

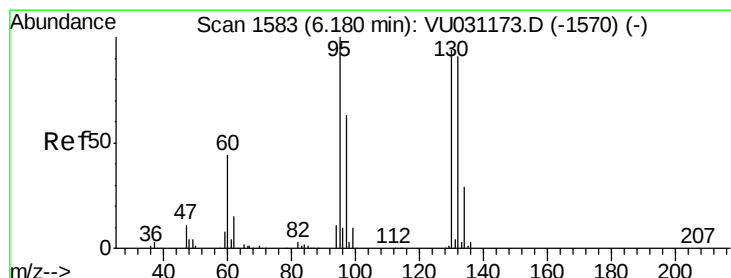
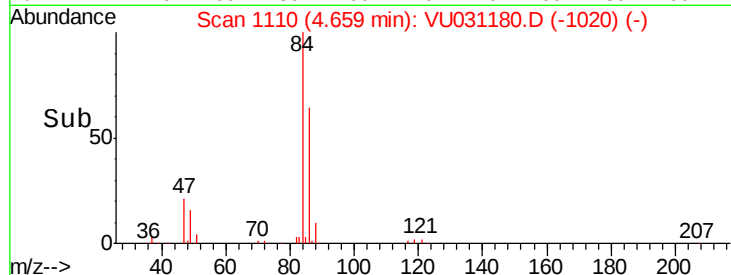
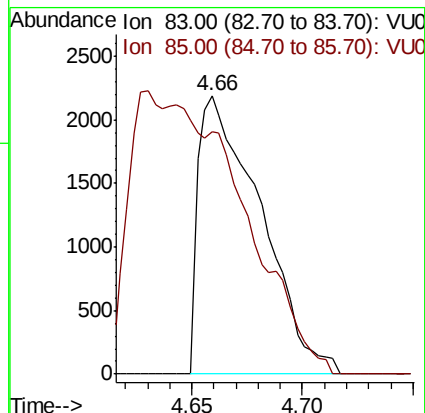
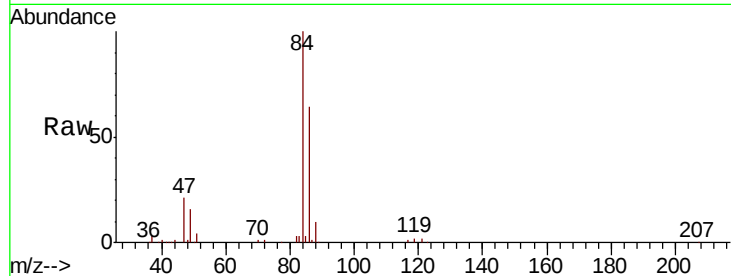
BFC51

Tot Ion: 83 Resp: 4270

Ion Ratio Lower Upper

83 100

85 87.0 45.8 85.0#



#34

Trichloroethene

Concen: 1.739 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. 0.01 min

Lab File: VU031180.D

Acq: 14 Apr 2019 00:49

Tgt Ion: 95 Resp: 6608

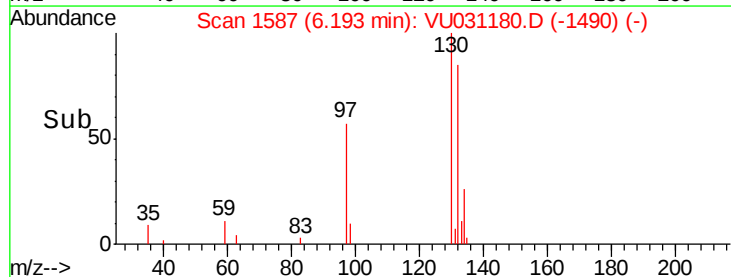
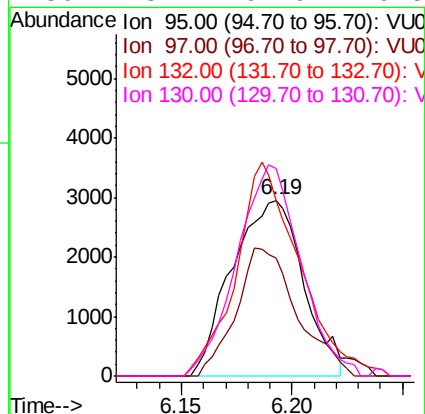
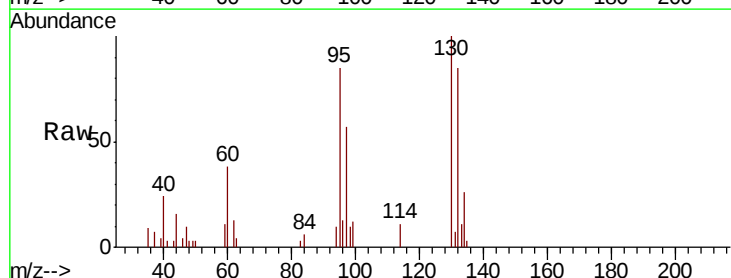
Ion Ratio Lower Upper

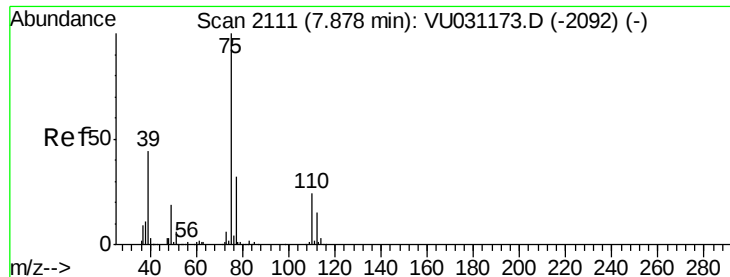
95 100

97 66.9 44.5 82.7

132 100.2 61.5 114.1

130 118.1 64.9 120.5





#44

trans-1,3-Dichloropropene

Concen: 0.622 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU031180.D

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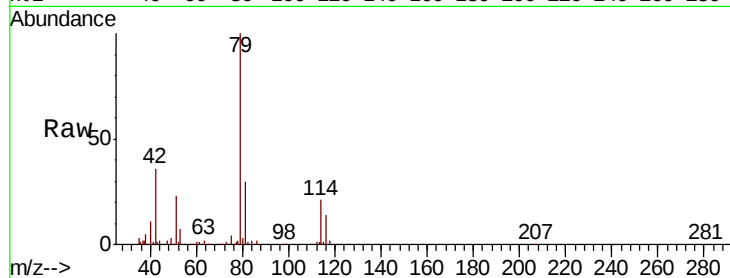
BFC51

Tot Ion: 75 Resp: 3423

Ion Ratio Lower Upper

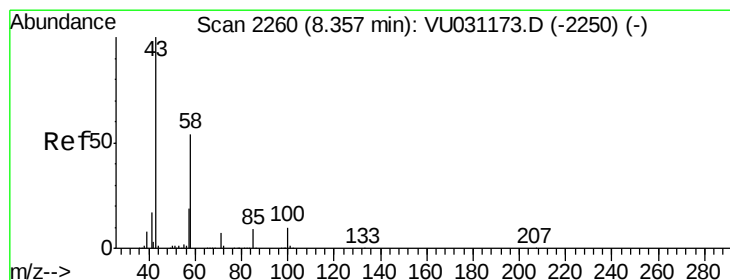
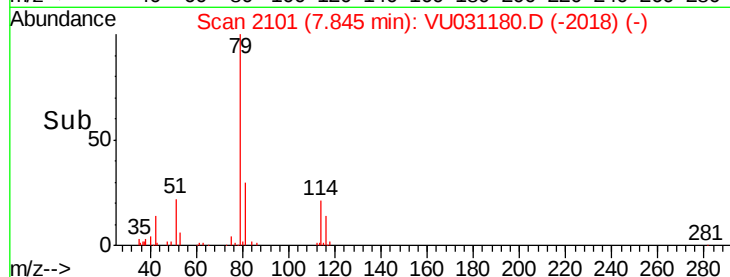
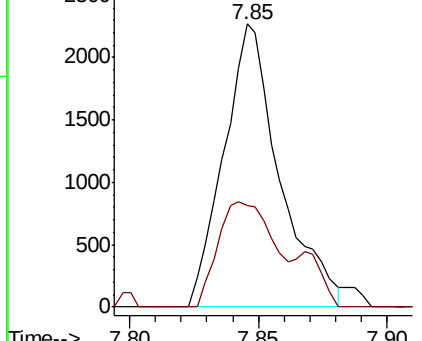
75 100

77 35.7 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VU031173.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU031173.D (-2092) (-)



#48

2-Hexanone

Concen: 1.730 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.01 min

Lab File: VU031180.D

Acq: 14 Apr 2019 00:49

Tgt Ion: 43 Resp: 9525

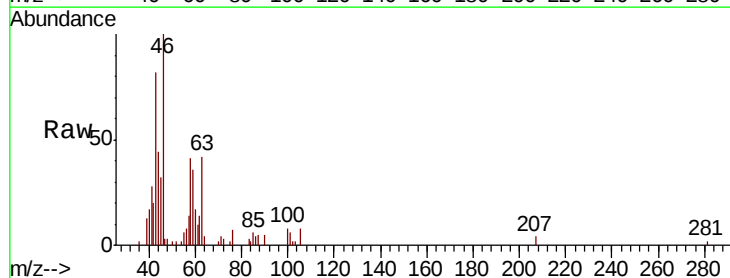
Ion Ratio Lower Upper

43 100

58 63.9 41.9 62.9#

57 3.9 14.3 21.5#

100 4.7 7.1 10.7#



Abundance Ion 43.00 (42.70 to 43.70): VU031173.D (-2250) (-)

Ion 58.00 (57.70 to 58.70): VU031173.D (-2250) (-)

Ion 57.00 (56.70 to 57.70): VU031173.D (-2250) (-)

Ion 100.00 (99.70 to 100.70): VU031173.D (-2250) (-)

