

Data File : VU029863.D
Acq On : 07 Mar 2019 19:25
Operator : JC/SP
Sample : K1734-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF1B0

Quant Time: Mar 08 04:35:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 04:31:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	481619	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	479147	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	237240	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	133499	37.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.66%
7) Chloroethane-d5	1.68	69	117389	37.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.84%
11) 1,1-Dichloroethene-d2	2.27	63	205099	29.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.46%#
21) 2-Butanone-d5	4.17	46	218660	101.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.81%
24) Chloroform-d	4.64	84	261225	45.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.28%
26) 1,2-Dichloroethane-d4	5.31	65	165322	45.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.24%
32) Benzene-d6	5.34	84	571009	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.72%
36) 1,2-Dichloropropane-d6	6.33	67	175083	48.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.54%
41) Toluene-d8	7.56	98	527320	42.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.72%
43) trans-1,3-Dichloropropene-	7.85	79	79308	41.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.44%
47) 2-Hexanone-d5	8.31	63	188309	93.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	276218	45.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	232711	45.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.04%

Target Compounds

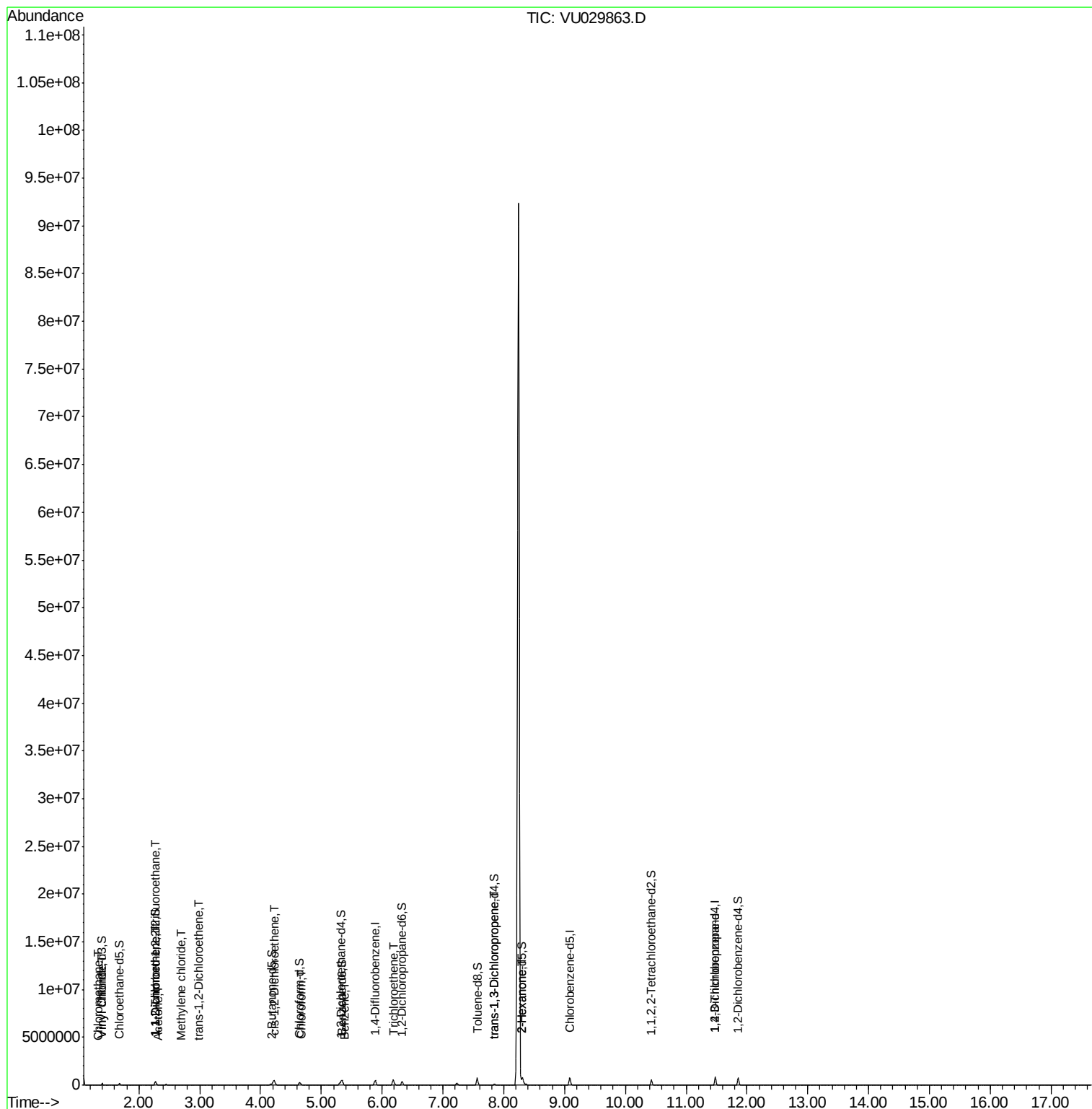
					Qvalue
3) Chloromethane	1.32	50	3078	1.062 ug/L	95
5) Vinyl chloride	1.40	62	9524	2.421 ug/L #	10
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	10886	3.245 ug/L	84
12) 1,1-Dichloroethene	2.28	96	28835	9.041 ug/L #	1
13) Acetone	2.32	43	7671	3.343 ug/L	92
16) Methylene chloride	2.70	84	3716	1.204 ug/L	83
17) trans-1,2-Dichloroethene	2.99	96	2262	0.768 ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	311948	91.200 ug/L	98
25) Chloroform	4.67	83	12936	2.278 ug/L	98
33) Benzene	5.39	78	5576	0.454 ug/L	100
34) Trichloroethene	6.18	95	204533	61.805 ug/L	98
44) trans-1,3-Dichloropropene	7.85	75	3231	0.659 ug/L #	70
48) 2-Hexanone	8.31	43	19164	4.838 ug/L #	71
59) 1,2,3-Trichloropropane	11.48	75	25951	5.644 ug/L	99

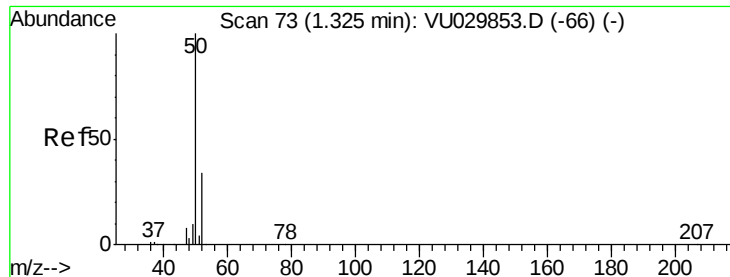
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.062 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU029863.D

Acq: 07 Mar 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

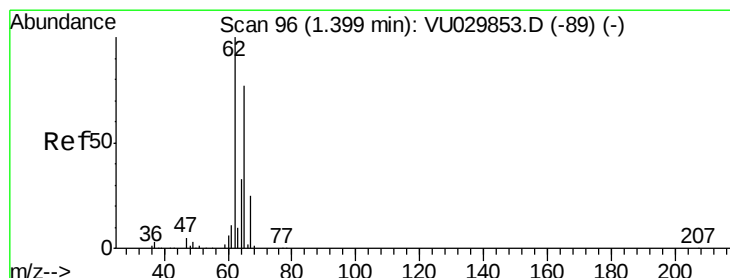
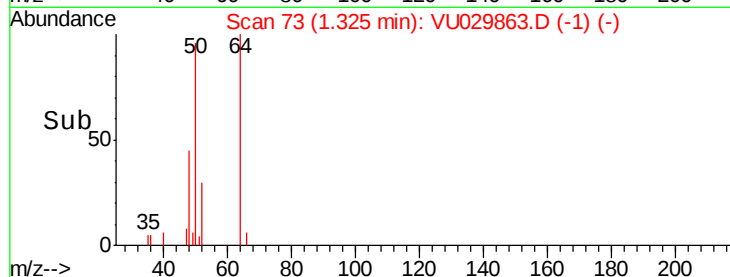
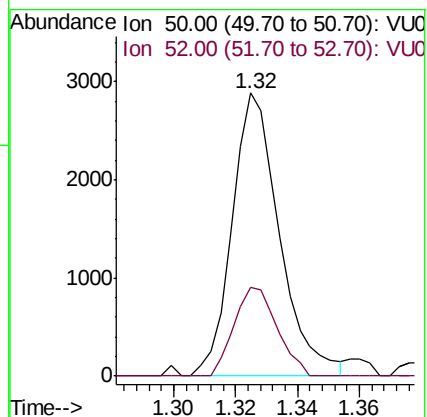
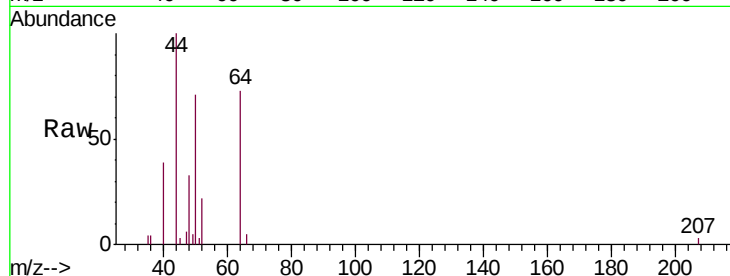
BF1B0

Tgt Ion: 50 Resp: 3078

Ion Ratio Lower Upper

50 100

52 31.5 23.9 44.3



#5

Vinyl chloride

Concen: 2.421 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029863.D

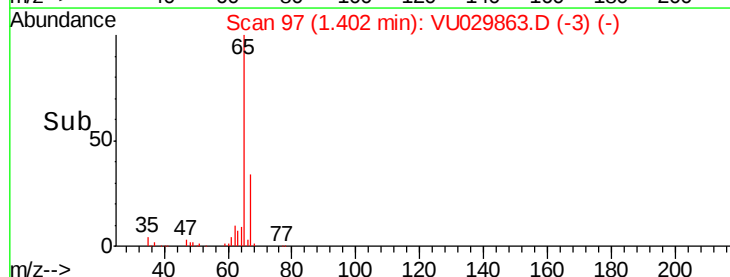
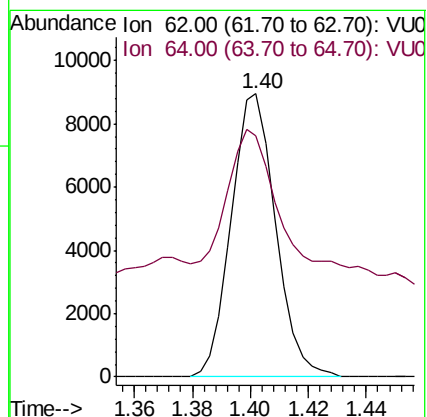
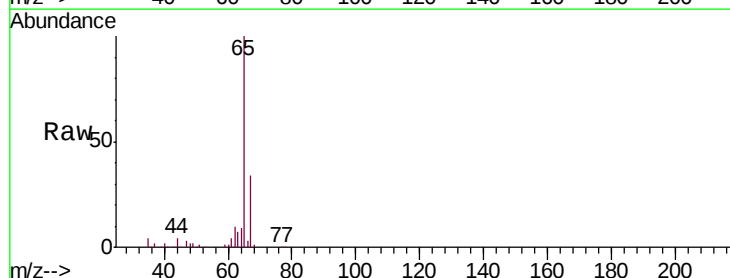
Acq: 07 Mar 2019 19:25

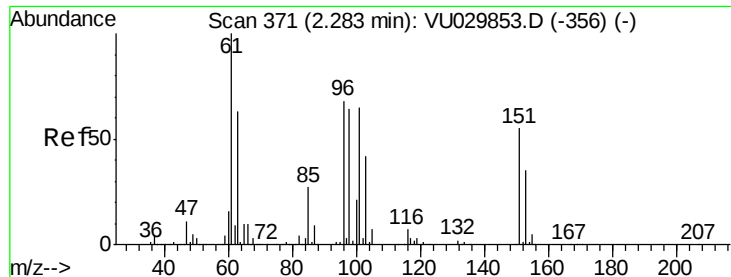
Tgt Ion: 62 Resp: 9524

Ion Ratio Lower Upper

62 100

64 85.3 23.7 43.9#





#10

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

Concen: 3.245 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029863.D

Acq: 07 Mar 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

BF1B0

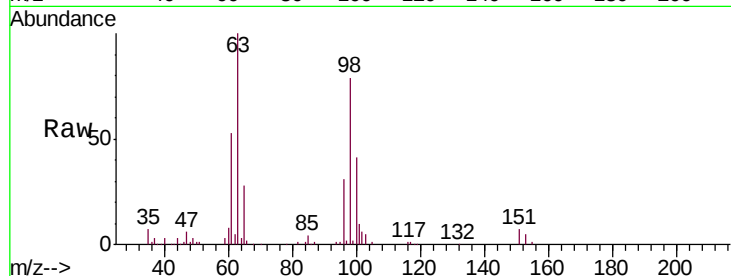
Tgt Ion: 101 Resp: 10886

Ion Ratio Lower Upper

101 100

85 34.2 33.0 49.6

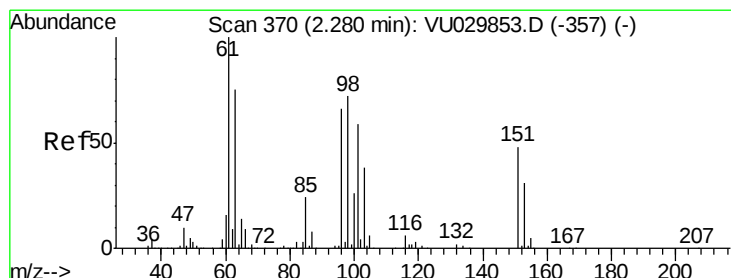
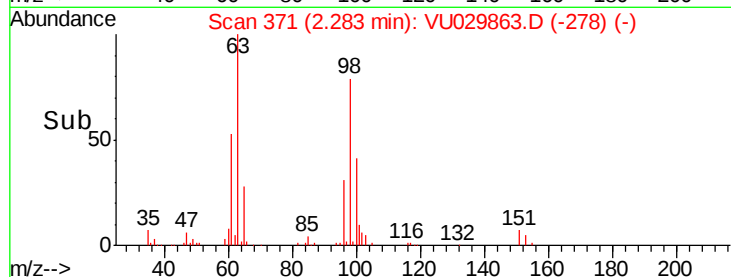
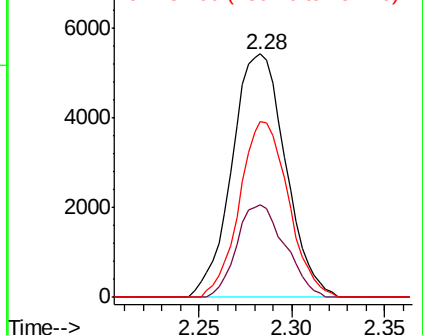
151 65.7 65.7 98.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 9.041 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU029863.D

Acq: 07 Mar 2019 19:25

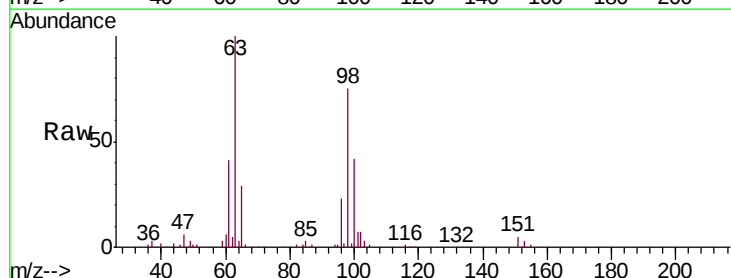
Tgt Ion: 96 Resp: 28835

Ion Ratio Lower Upper

96 100

61 182.1 114.0 211.8

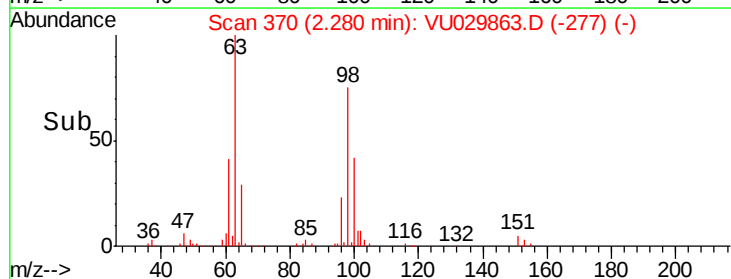
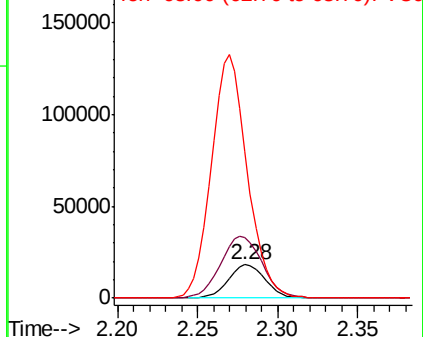
63 440.2 98.7 183.3#

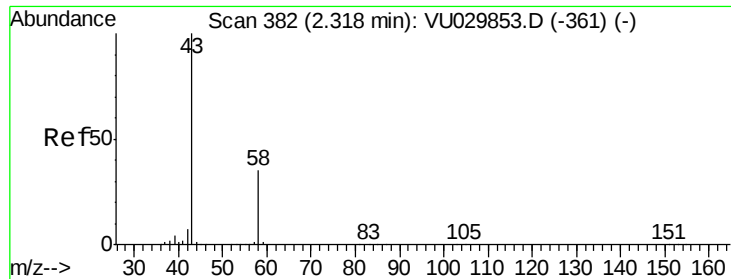


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.343 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029863.D

Acq: 07 Mar 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

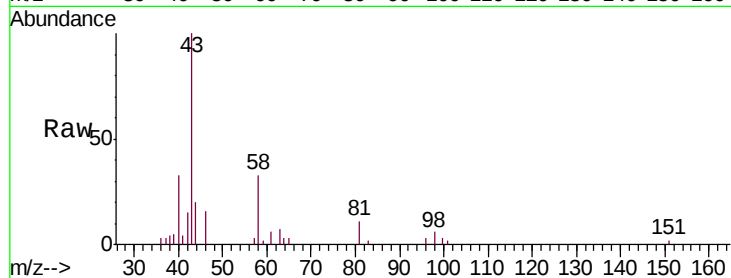
BF1B0

Tgt Ion: 43 Resp: 7671

Ion Ratio Lower Upper

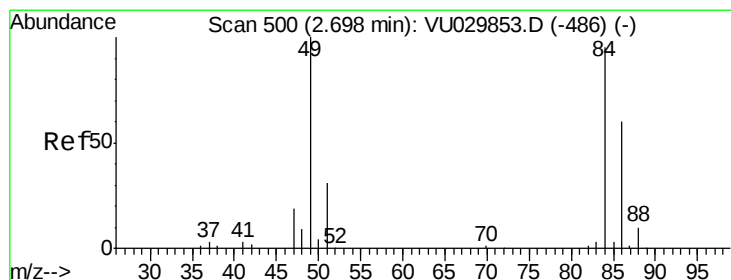
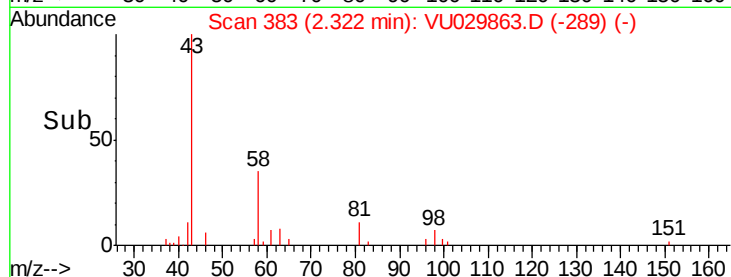
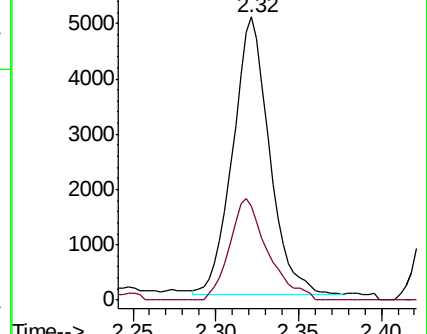
43 100

58 38.2 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#16

Methylene chloride

Concen: 1.204 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU029863.D

Acq: 07 Mar 2019 19:25

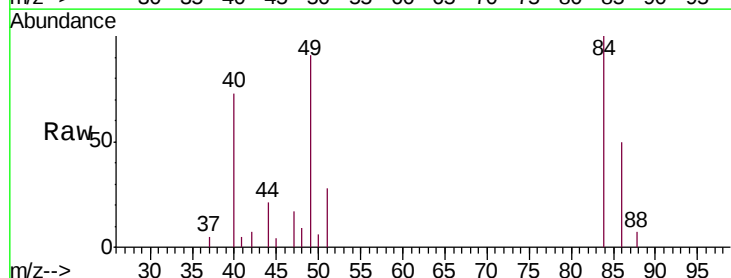
Tgt Ion: 84 Resp: 3716

Ion Ratio Lower Upper

84 100

86 50.3 45.8 85.0

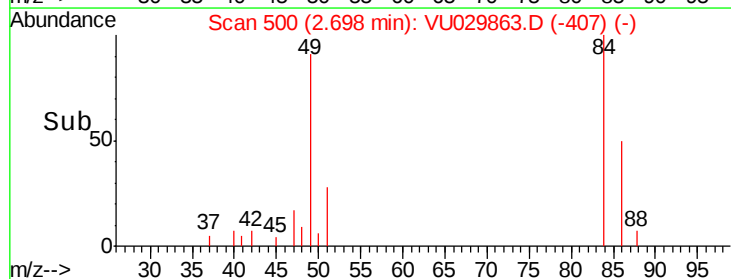
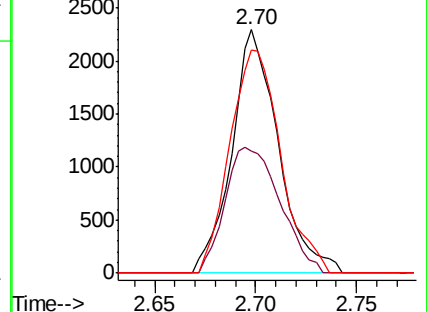
49 91.5 75.1 139.5

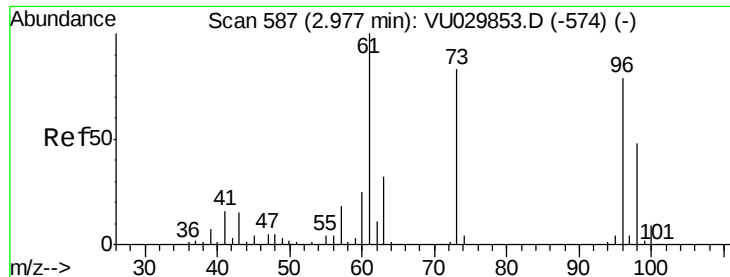


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

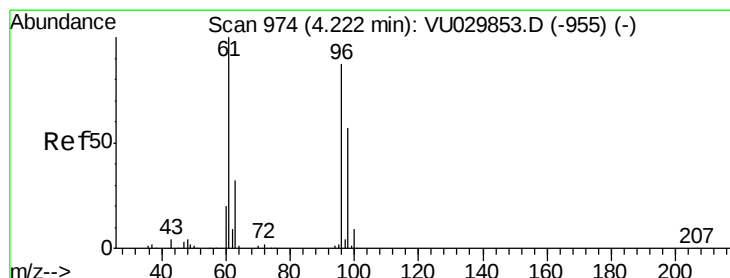
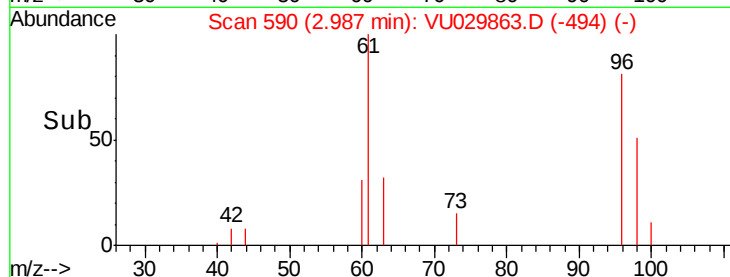
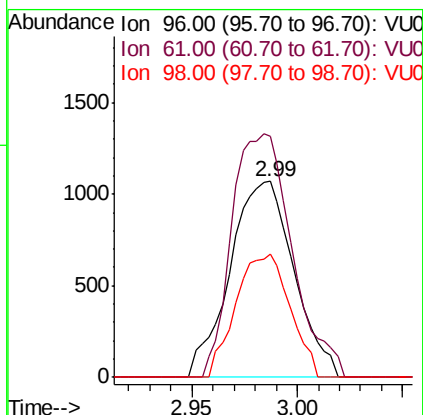
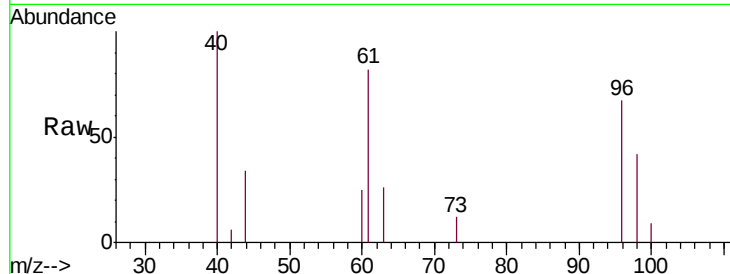




#17
trans-1,2-Dichloroethene
Concen: 0.768 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.01 min
Lab File: VU029863.D
Acq: 07 Mar 2019 19:25

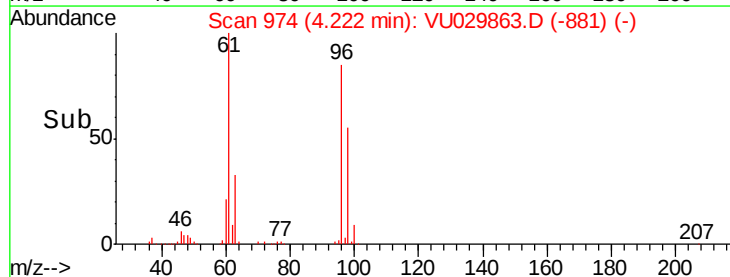
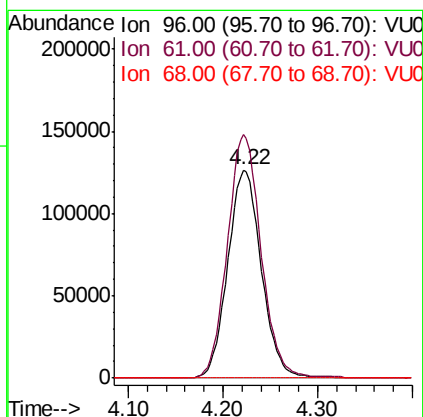
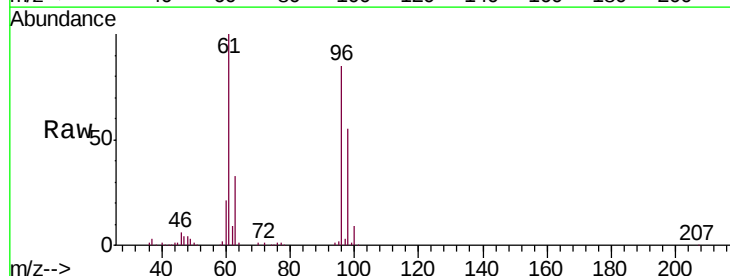
Instrument :
MSVOA_U
ClientSampled :
BF1B0

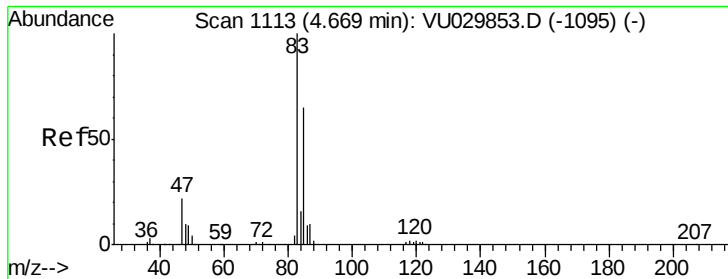
Tgt Ion: 96 Resp: 2262
Ion Ratio Lower Upper
96 100
61 122.7 88.3 163.9
98 62.7 44.8 83.2



#20
cis-1,2-Dichloroethene
Concen: 91.200 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029863.D
Acq: 07 Mar 2019 19:25

Tgt Ion: 96 Resp: 311948
Ion Ratio Lower Upper
96 100
61 117.1 83.9 155.7
68 0.0 0.0 0.0





#25

Chloroform

Concen: 2.278 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029863.D

Acq: 07 Mar 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

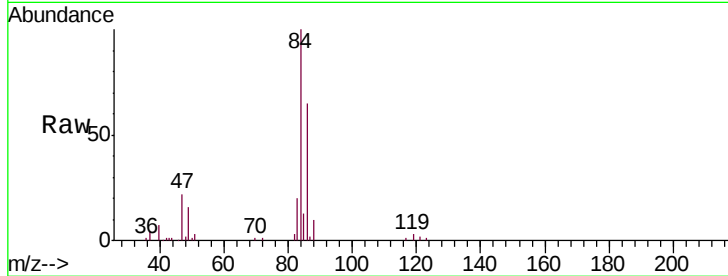
BF1B0

Tgt Ion: 83 Resp: 12936

Ion Ratio Lower Upper

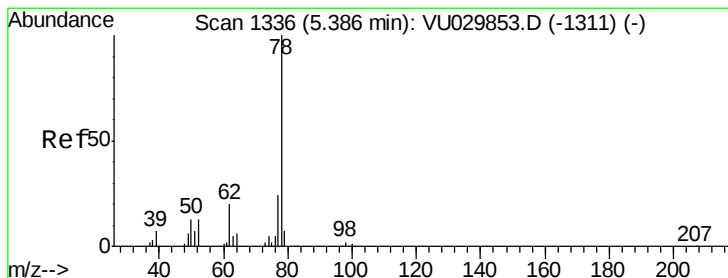
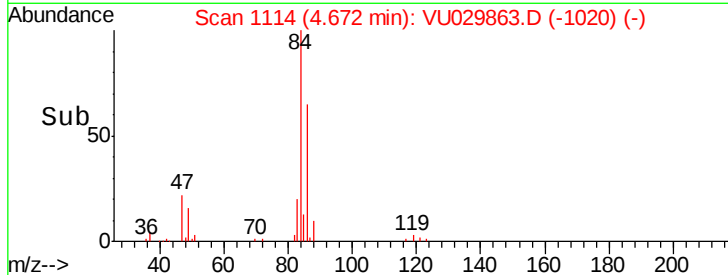
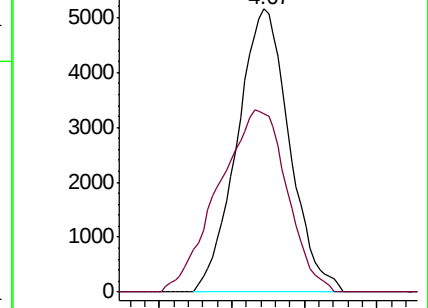
83 100

85 63.1 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#33

Benzene

Concen: 0.454 ug/L

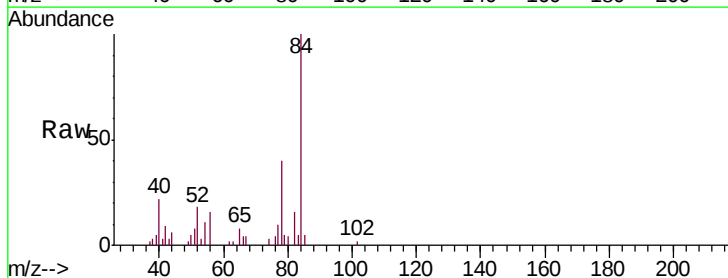
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

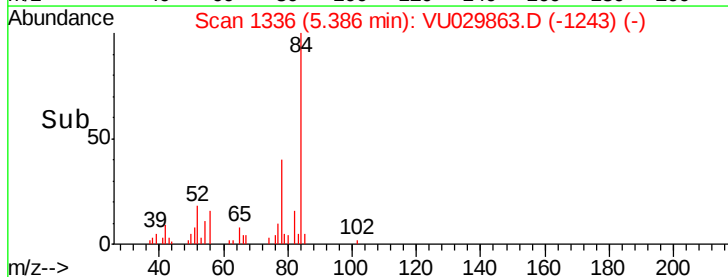
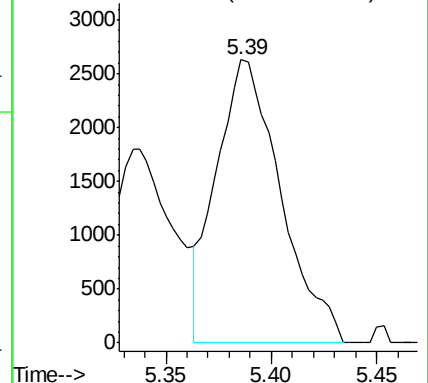
Lab File: VU029863.D

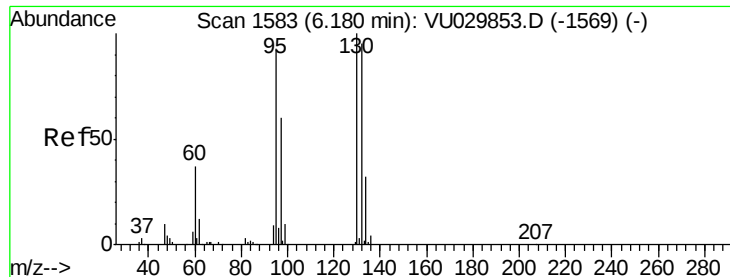
Acq: 07 Mar 2019 19:25

Tgt Ion: 78 Resp: 5576



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 61.805 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029863.D

Acq: 07 Mar 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

BF1B0

Tgt Ion: 95 Resp: 204533

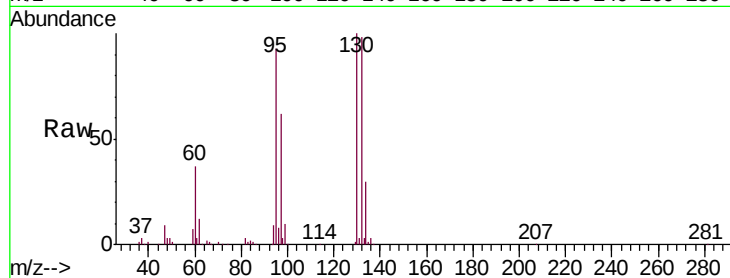
Ion Ratio Lower Upper

95 100

97 65.9 44.6 82.8

132 104.9 74.6 138.6

130 107.0 77.2 143.4

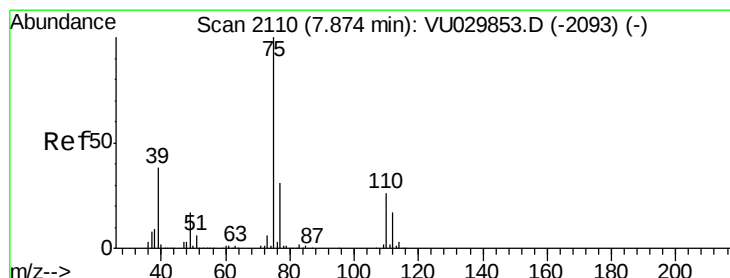
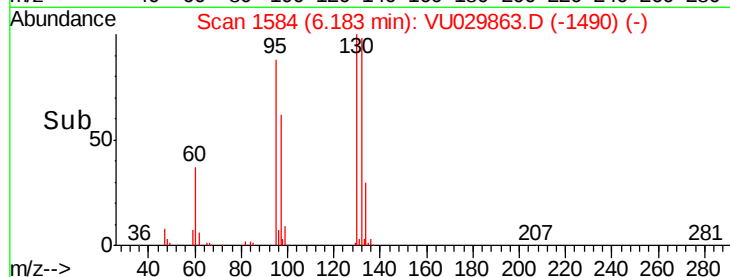
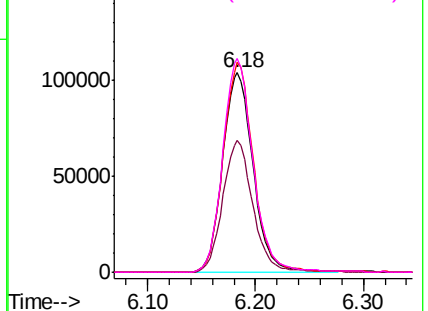


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#44

trans-1,3-Dichloropropene

Concen: 0.659 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU029863.D

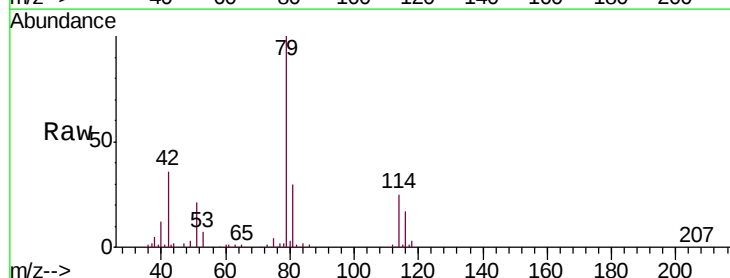
Acq: 07 Mar 2019 19:25

Tgt Ion: 75 Resp: 3231

Ion Ratio Lower Upper

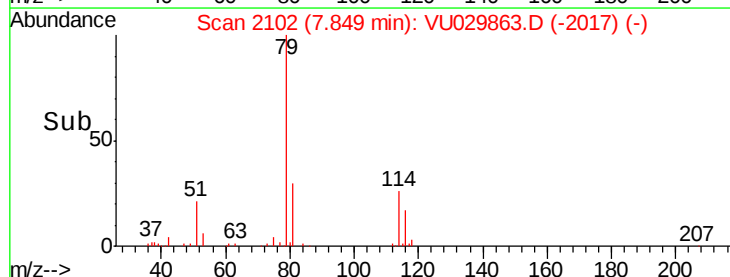
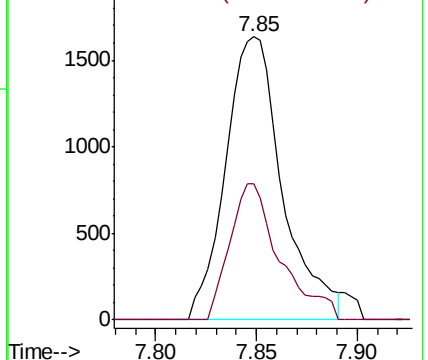
75 100

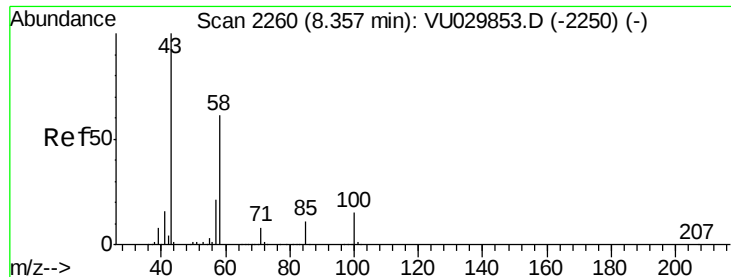
77 48.3 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

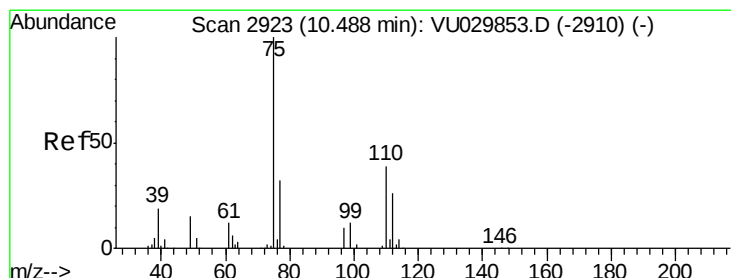
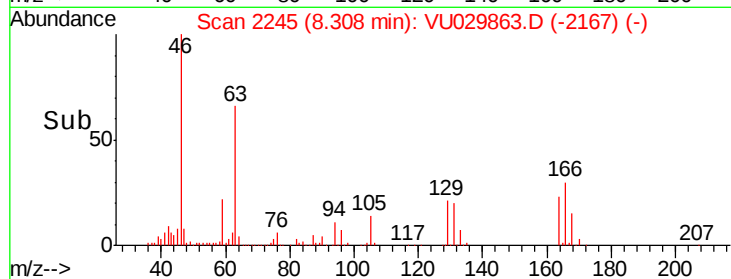
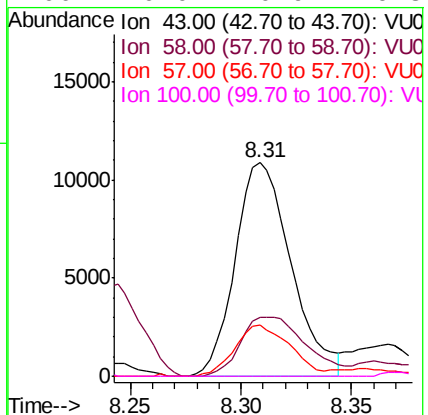
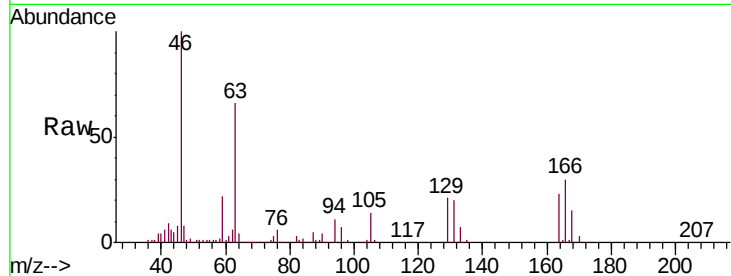




#48
2-Hexanone
Concen: 4.838 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU029863.D
Acq: 07 Mar 2019 19:25

Instrument :
MSVOA_U
ClientSampleId :
BF1B0

Tgt Ion: 43 Resp: 19164
Ion Ratio Lower Upper
43 100
58 32.3 46.4 69.6#
57 23.4 15.7 23.5
100 0.0 10.9 16.3#



#59
1,2,3-Trichloropropane
Concen: 5.644 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU029863.D
Acq: 07 Mar 2019 19:25

Tgt Ion: 75 Resp: 25951
Ion Ratio Lower Upper
75 100
77 32.4 25.7 38.5

