

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
 Data File : VU030739.D
 Acq On : 05 Apr 2019 13:32
 Operator : JC/SP
 Sample : K2249-07 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE0

Quant Time: Apr 05 23:46:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 23:39:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	426055	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	409227	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	171901	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	202069	53.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.26%
7) Chloroethane-d5	1.68	69	150980	52.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.60%
11) 1,1-Dichloroethene-d2	2.27	63	273213	39.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.44%
21) 2-Butanone-d5	4.17	46	320715	106.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.40%
24) Chloroform-d	4.85	84	187	0.03	ug/L	0.21
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.06%#
26) 1,2-Dichloroethane-d4	5.31	65	202685	51.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.26%
32) Benzene-d6	5.33	84	613809	51.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.76%
36) 1,2-Dichloropropane-d6	6.32	67	213631	52.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.36%
41) Toluene-d8	7.56	98	525410	49.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.24%
43) trans-1,3-Dichloropropene-	7.85	79	85123	45.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.20%
47) 2-Hexanone-d5	8.31	63	190065	101.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.57%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	272784	49.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.78%
64) 1,2-Dichlorobenzene-d4	11.86	152	170247	50.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.72%

Target Compounds

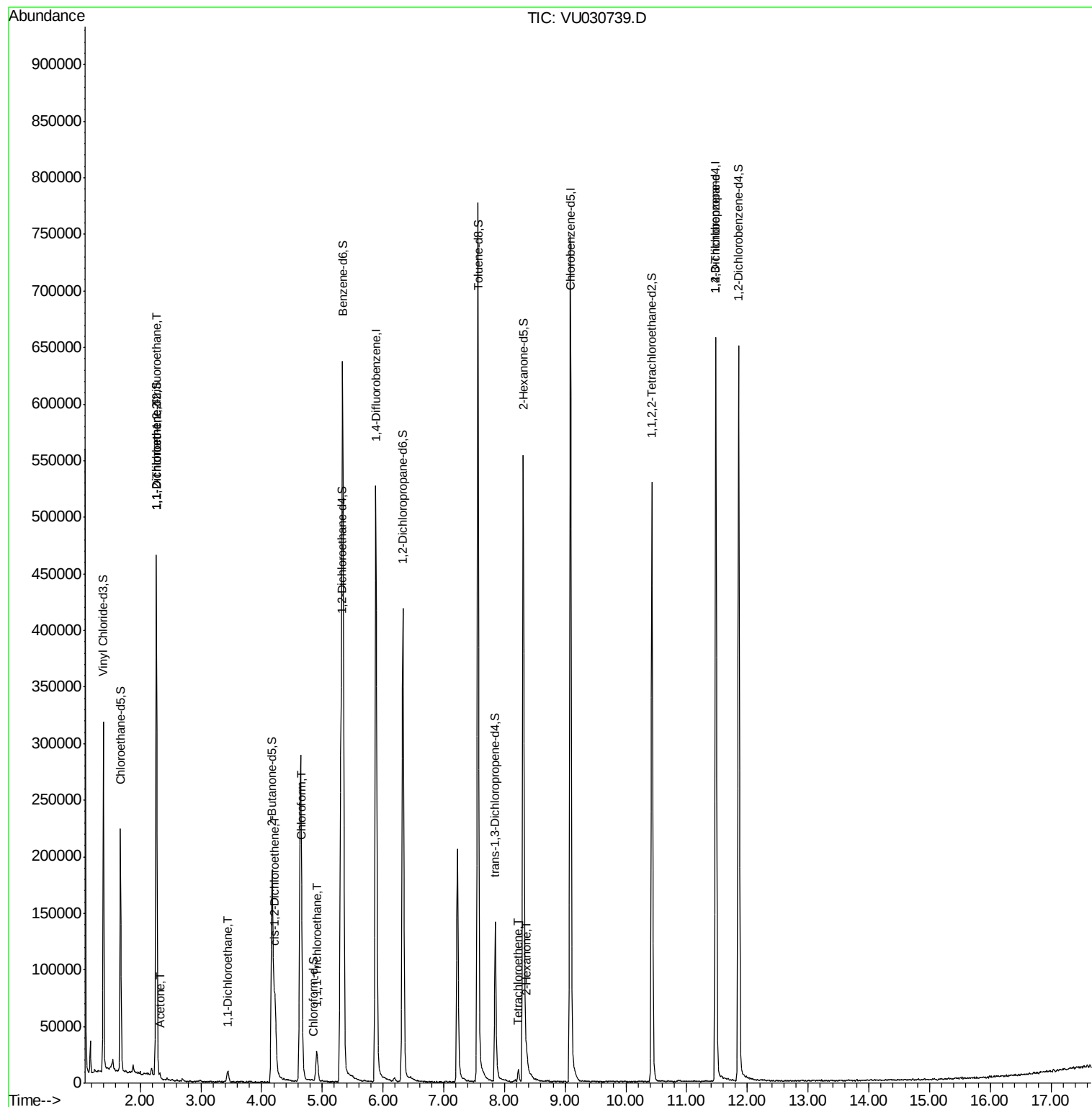
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2441	0.800	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	3203	1.088	ug/L #	1
13) Acetone	2.32	43	1491	0.483	ug/L	94
19) 1,1-Dichloroethane	3.44	63	11849	1.836	ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	28875	8.363	ug/L	95
25) Chloroform	4.67	83	17340	2.673	ug/L	85
30) 1,1,1-Trichloroethane	4.91	97	20541	4.119	ug/L	95
46) Tetrachloroethene	8.23	164	2442	1.023	ug/L	77
48) 2-Hexanone	8.36	43	5633	1.184	ug/L #	87
59) 1,2,3-Trichloropropane	11.48	75	21862	4.814	ug/L	90

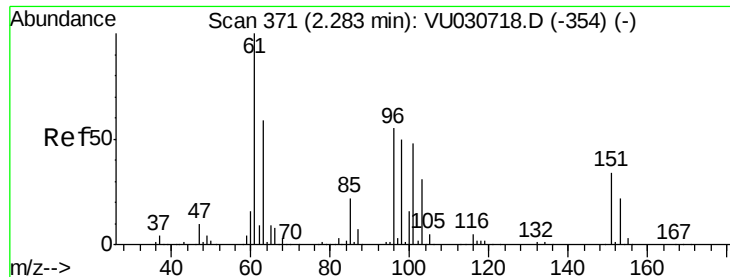
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 05 23:39:17 2019
Response via : Initial Calibration





#10

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

Concen: 0.800 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030739.D

Acq: 05 Apr 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

E3YE0

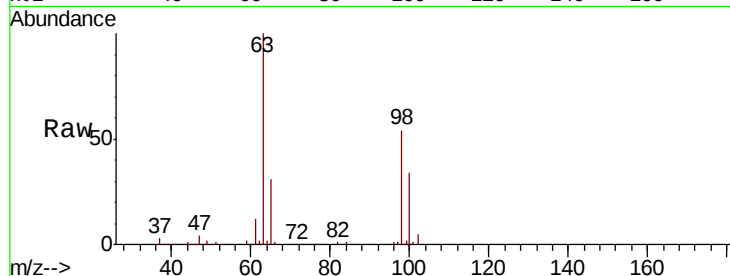
Tot Ion:101 Resp: 2441

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

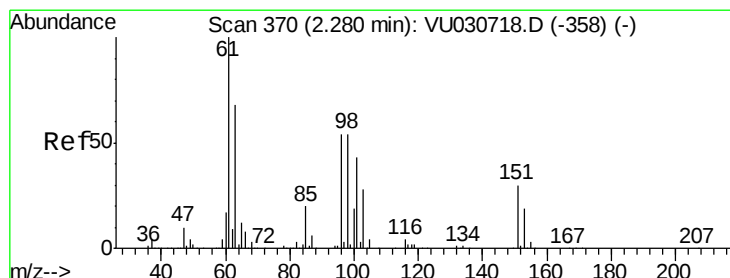
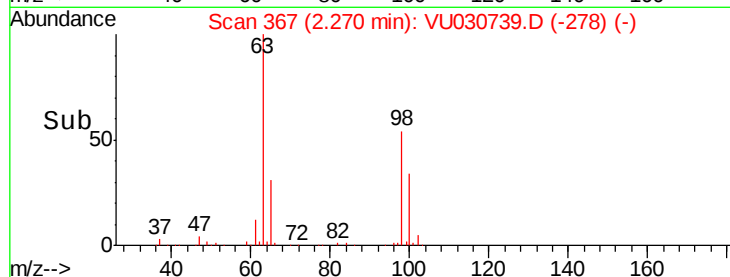
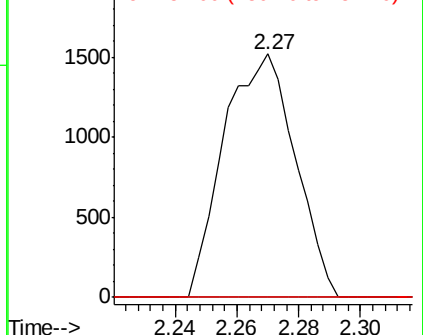
151 0.0 57.4 86.0#



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: 1.088 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU030739.D

Acq: 05 Apr 2019 13:32

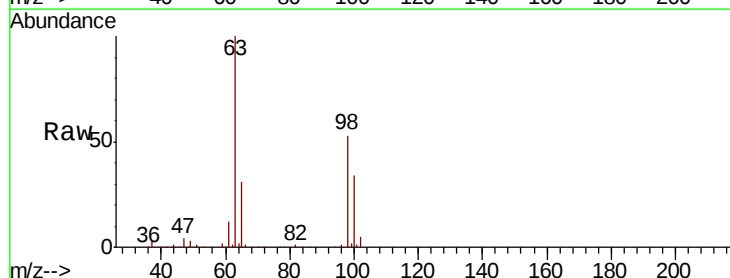
Tgt Ion: 96 Resp: 3203

Ion Ratio Lower Upper

96 100

61 1159.1 132.0 245.2#

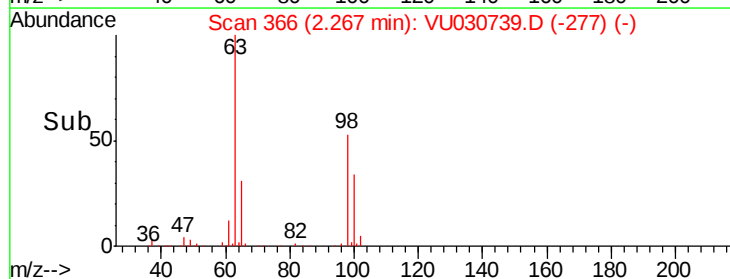
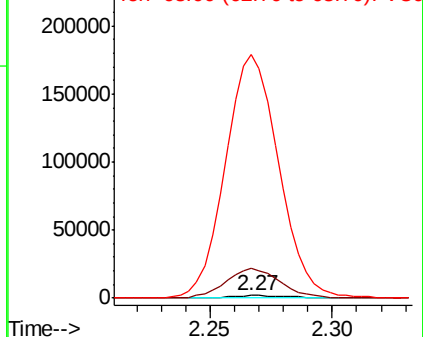
63 9641.4 90.9 168.9#

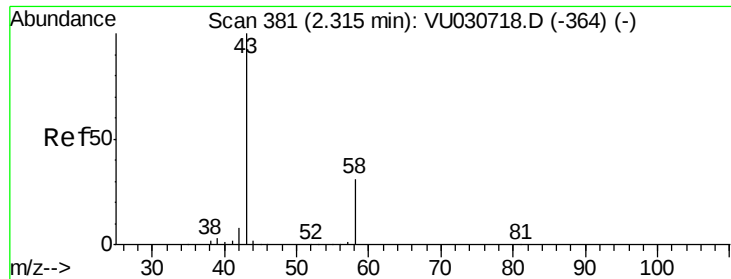


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.483 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030739.D

Acq: 05 Apr 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

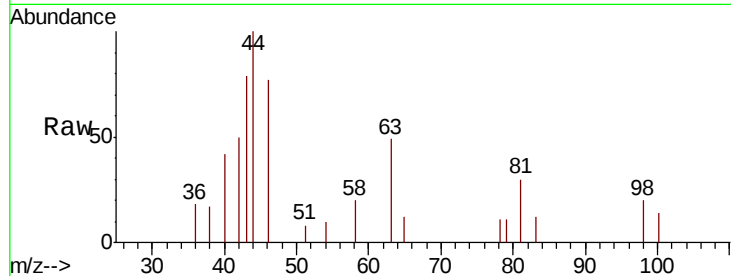
E3YE0

Tot Ion: 43 Resp: 1491

Ion Ratio Lower Upper

43 100

58 28.4 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU030739.D (-364) (-)

Ion 58.00 (57.70 to 58.70): VU030739.D (-364) (-)

2.32

1000

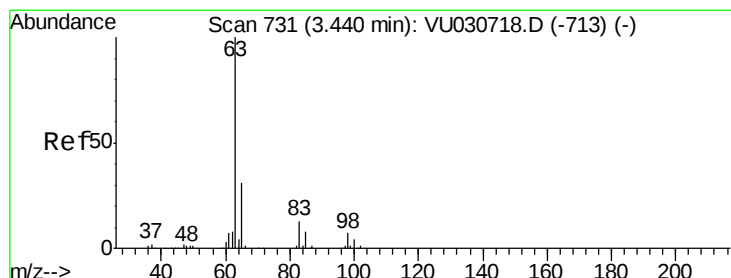
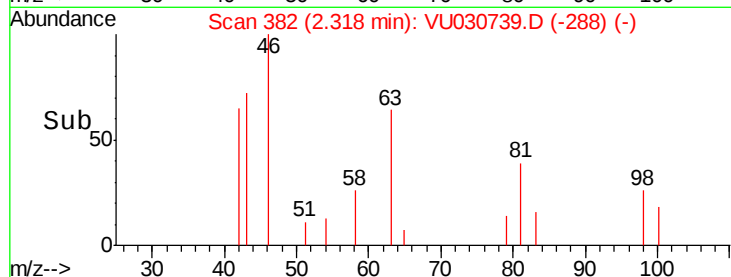
500

0

Time-->

2.30

2.35



#19

1,1-Dichloroethane

Concen: 1.836 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU030739.D

Acq: 05 Apr 2019 13:32

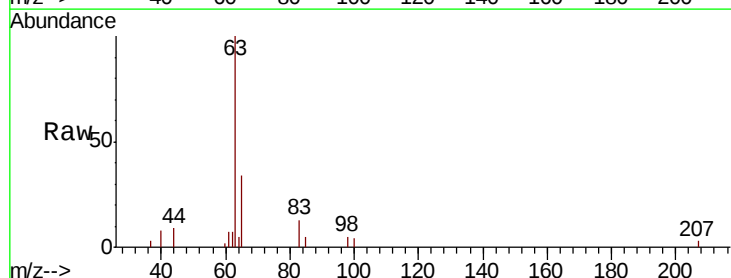
Tgt Ion: 63 Resp: 11849

Ion Ratio Lower Upper

63 100

65 34.4 21.4 39.8

83 12.7 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU030739.D (-713) (-)

Ion 65.00 (64.70 to 65.70): VU030739.D (-713) (-)

Ion 83.00 (82.70 to 83.70): VU030739.D (-713) (-)

3.44

6000

4000

2000

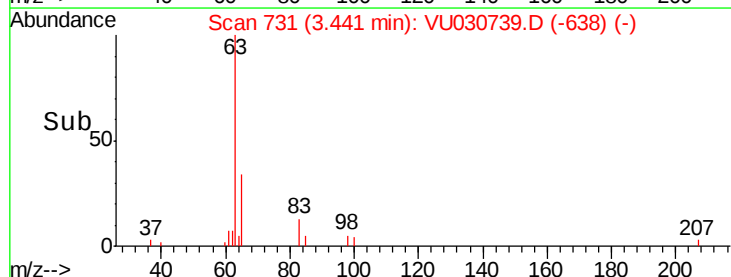
0

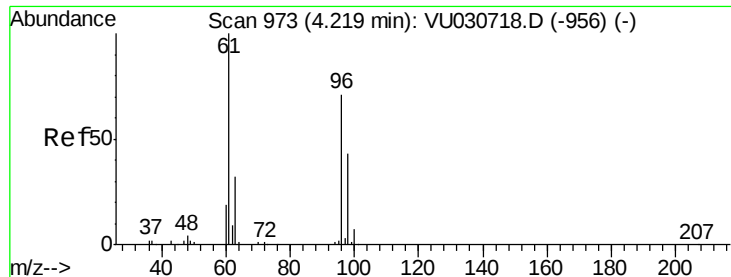
Time-->

3.40

3.45

3.50



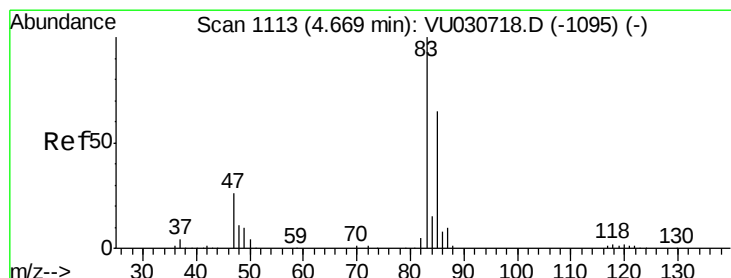
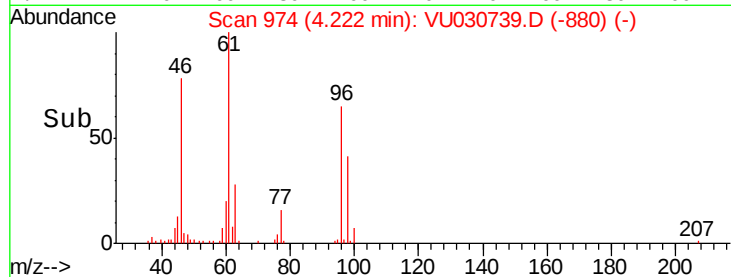
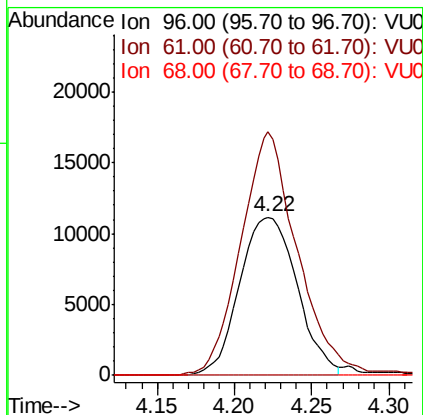
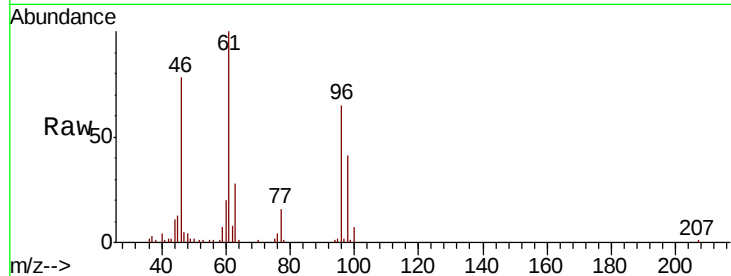


#20

cis-1,2-Dichloroethene
 Concen: 8.363 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU030739.D
 Acq: 05 Apr 2019 13:32

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE0

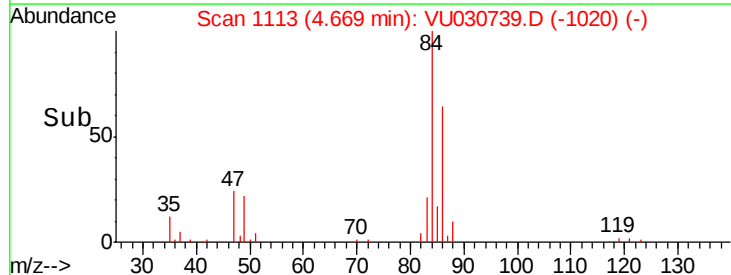
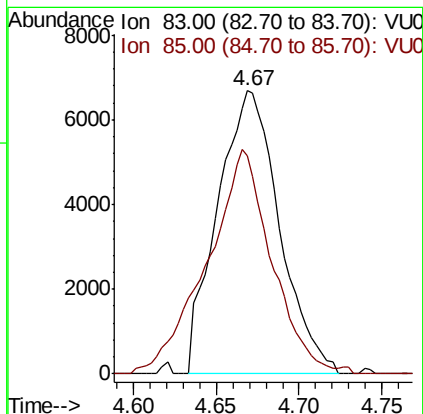
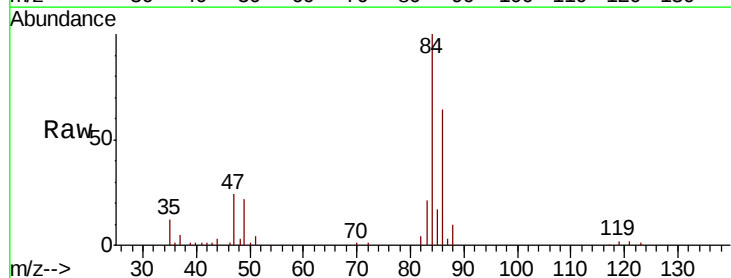
Tot Ion: 96 Resp: 28875
 Ion Ratio Lower Upper
 96 100
 61 153.7 102.9 191.1
 68 0.0 0.0 0.0

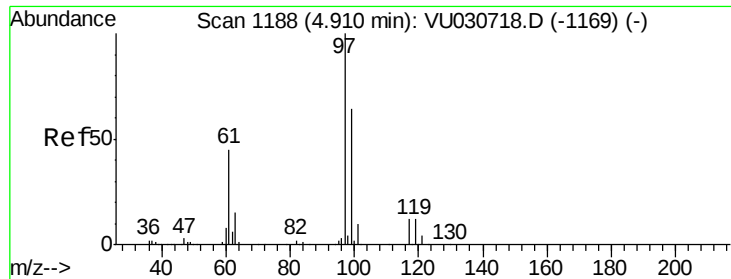


#25

Chloroform
 Concen: 2.673 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VU030739.D
 Acq: 05 Apr 2019 13:32

Tgt Ion: 83 Resp: 17340
 Ion Ratio Lower Upper
 83 100
 85 77.1 45.8 85.0

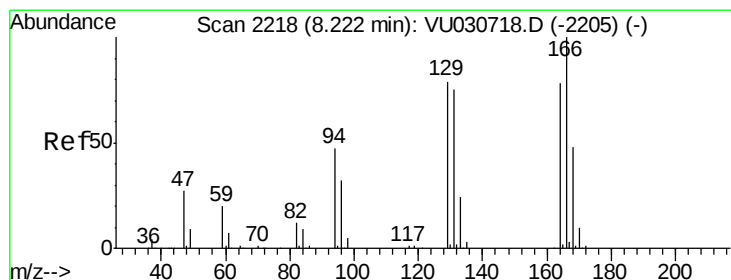
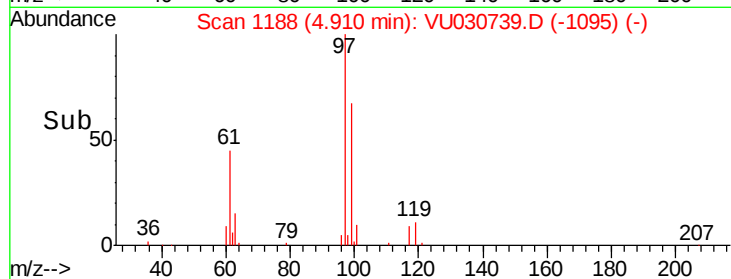
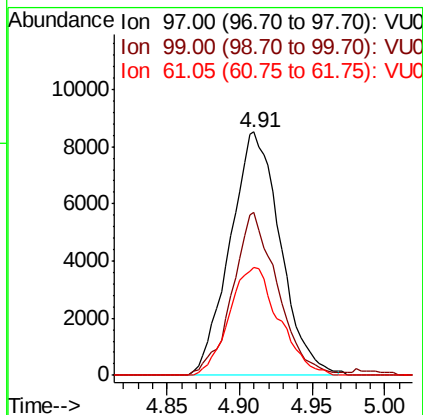
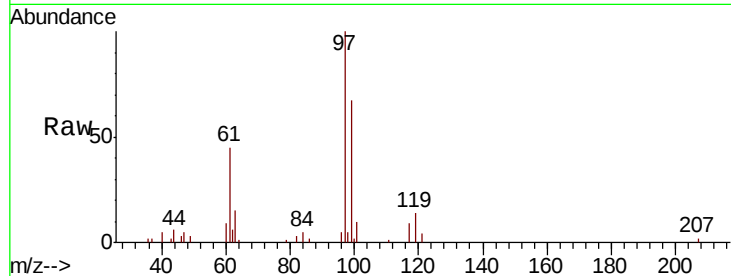




#30
 1,1,1-Trichloroethane
 Concen: 4.119 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU030739.D
 Acq: 05 Apr 2019 13:32

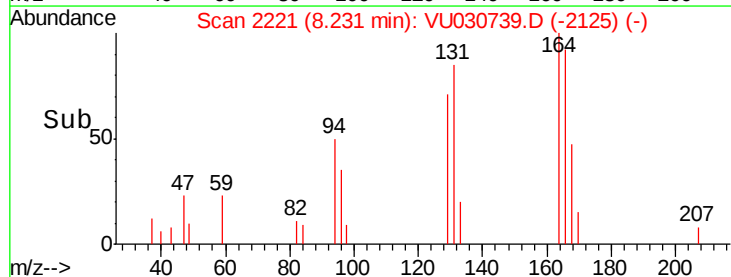
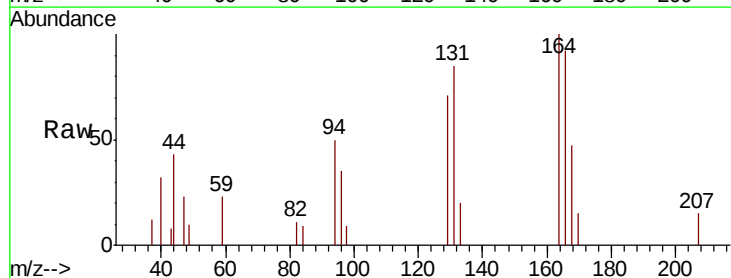
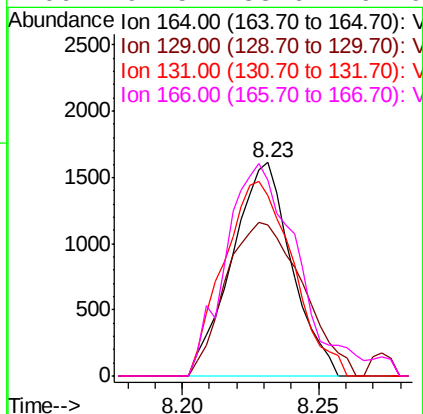
Instrument :
 MSVOA_U
 ClientSampled :
 E3YE0

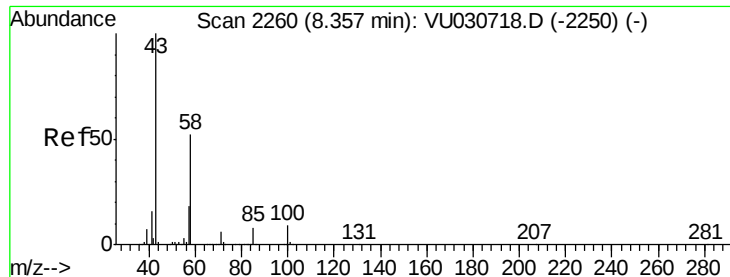
Tot Ion: 97 Resp: 20541
 Ion Ratio Lower Upper
 97 100
 99 59.9 51.4 77.2
 61 43.8 37.1 55.7



#46
 Tetrachloroethene
 Concen: 1.023 ug/L
 RT: 8.23 min Scan# 2221
 Delta R.T. 0.01 min
 Lab File: VU030739.D
 Acq: 05 Apr 2019 13:32

Tgt Ion: 164 Resp: 2442
 Ion Ratio Lower Upper
 164 100
 129 70.8 67.4 125.2
 131 84.6 65.9 122.5
 166 91.5 88.6 164.6

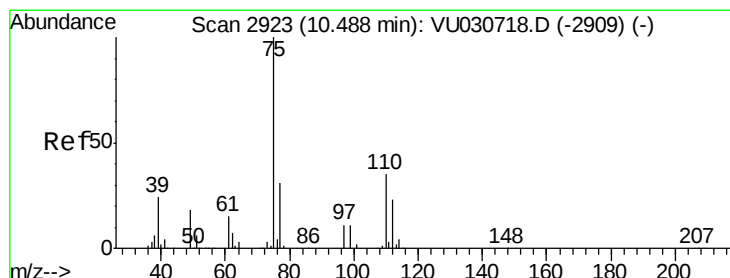
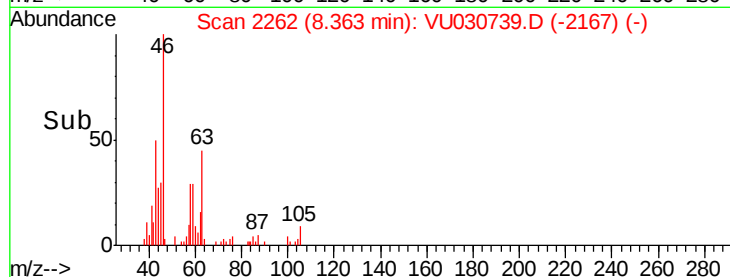
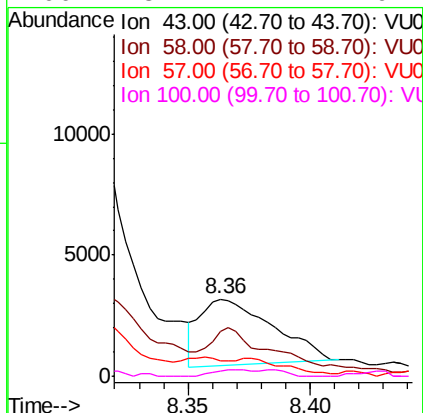
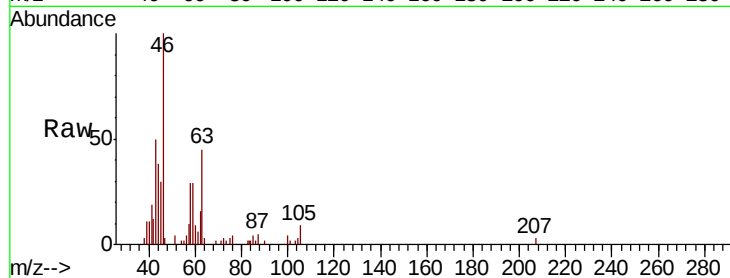




#48
2-Hexanone
Concen: 1.184 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU030739.D
Acq: 05 Apr 2019 13:32

Instrument :
MSVOA_U
ClientSampled :
E3YE0

Tot Ion: 43 Resp: 5633
Ion Ratio Lower Upper
43 100
58 44.8 41.9 62.9
57 9.5 14.3 21.5#
100 5.2 7.1 10.7#



#59
1,2,3-Trichloropropane
Concen: 4.814 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU030739.D
Acq: 05 Apr 2019 13:32

Tgt Ion: 75 Resp: 21862
Ion Ratio Lower Upper
75 100
77 37.9 26.1 39.1

