

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
 Data File : VU030723.D
 Acq On : 05 Apr 2019 07:15
 Operator : JC/SP
 Sample : K2249-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD8

Quant Time: Apr 05 08:39:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 08:33:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	472617	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	471168	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	194234	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	227487	53.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.84%
7) Chloroethane-d5	1.68	69	178521	55.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.50%
11) 1,1-Dichloroethene-d2	2.27	63	311962	40.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.76%
21) 2-Butanone-d5	4.17	46	348974	104.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.37%
24) Chloroform-d	4.64	84	327717	50.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.70%
26) 1,2-Dichloroethane-d4	5.31	65	232528	52.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.76%
32) Benzene-d6	5.34	84	702484	51.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.14%
36) 1,2-Dichloropropane-d6	6.32	67	243288	51.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.22%
41) Toluene-d8	7.56	98	593173	48.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.30%
43) trans-1,3-Dichloropropene-	7.85	79	99242	46.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.34%
47) 2-Hexanone-d5	8.31	63	213229	98.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.97%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	314367	49.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	196991	51.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.14%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.28	96	7394	2.263	ug/L #	1
13) Acetone	2.32	43	14121	4.127	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	7745	2.233	ug/L	97
19) 1,1-Dichloroethane	3.44	63	48106	6.720	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	32905	8.591	ug/L	96
25) Chloroform	4.67	83	21942	3.050	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	75423	13.135	ug/L	99
31) Carbon tetrachloride	4.91	117	9635	1.947	ug/L	99
34) Trichloroethene	6.18	95	30720	8.123	ug/L	98
39) cis-1,3-Dichloropropene	7.22	75	5722	0.921	ug/L #	75
40) 4-Methyl-2-pentanone	7.47	43	3729	0.531	ug/L #	89
44) trans-1,3-Dichloropropene	7.85	75	3890	0.710	ug/L	84
46) Tetrachloroethene	8.22	164	66907	24.335	ug/L	99
48) 2-Hexanone	8.31	43	25686	4.689	ug/L #	77
59) 1,2,3-Trichloropropane	11.48	75	23902	4.571	ug/L	97

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Quant Title : VOC Analysis
QLast Update : Fri Apr 05 08:33:21 2019
Response via : Initial Calibration

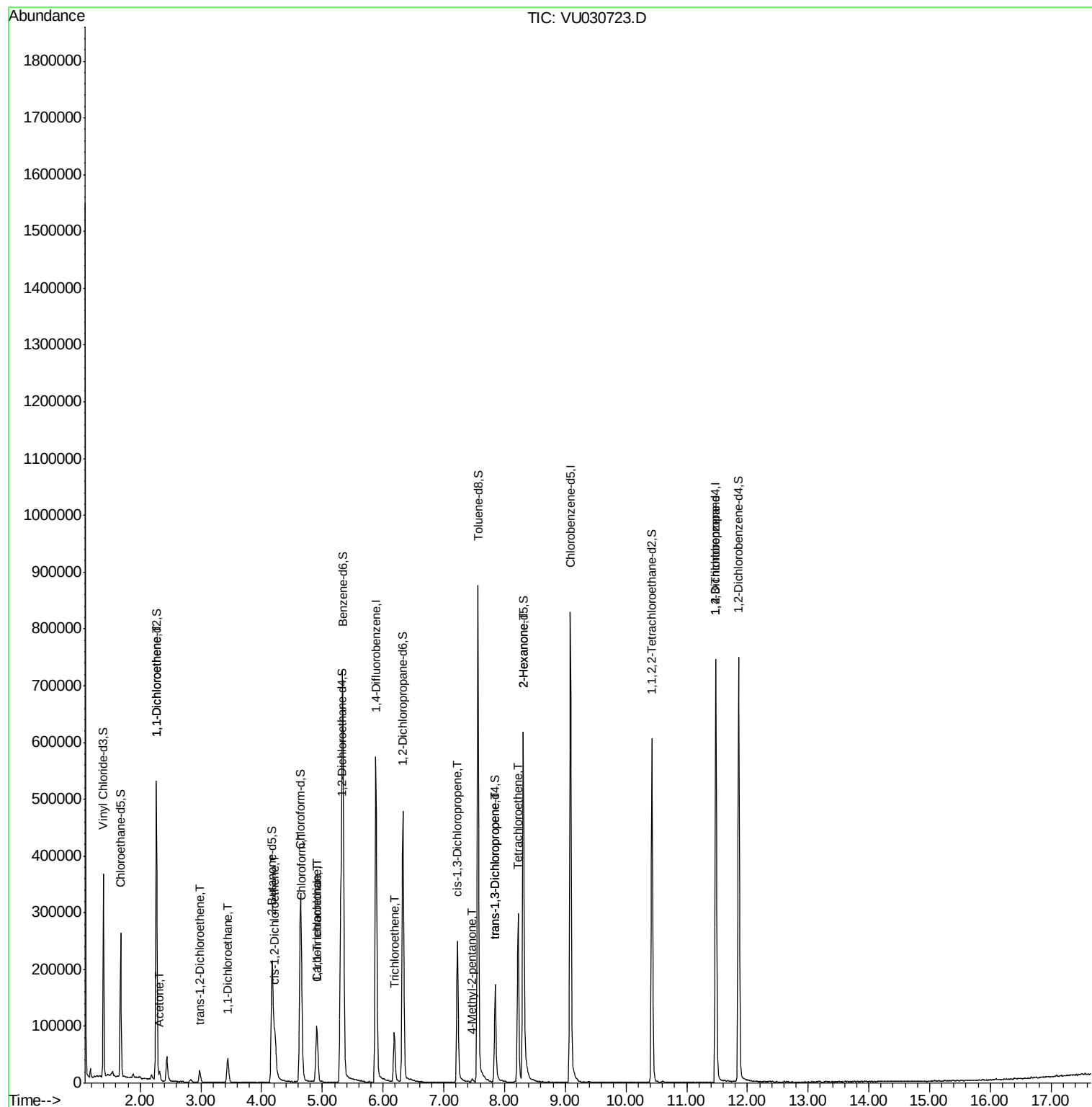
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

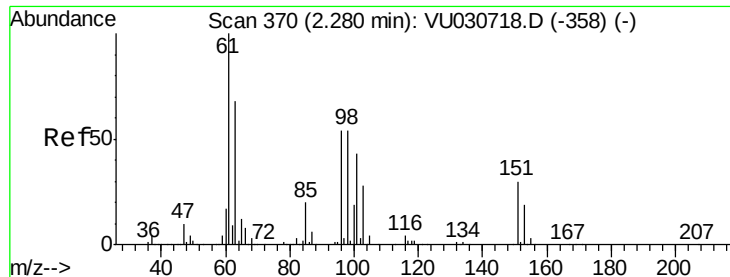
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU040519\
Data File : VU030723.D
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Instrument :
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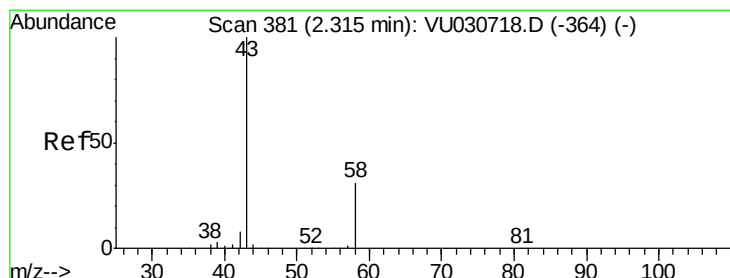
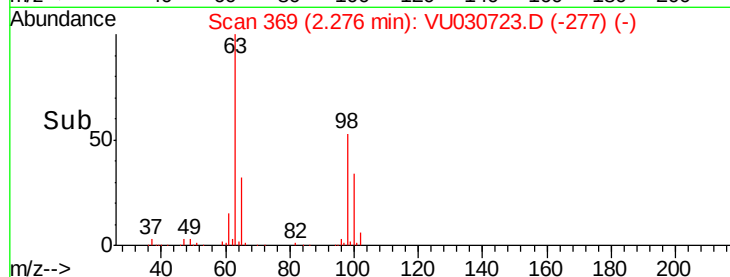
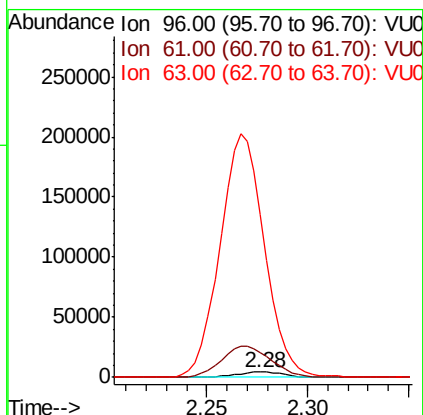
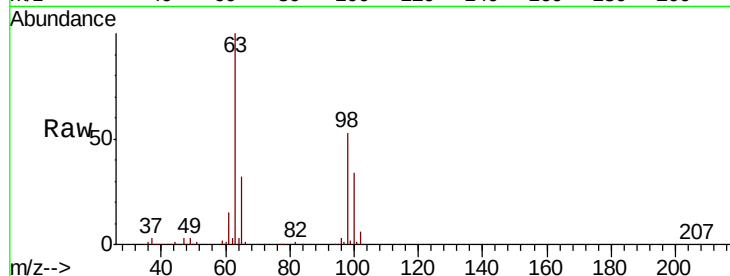




#12
 1,1-Dichloroethene
 Concen: 2.263 ug/L
 RT: 2.28 min Scan# 369
 Delta R.T. -0.00 min
 Lab File: VU030723.D
 Acq: 05 Apr 2019 07:15

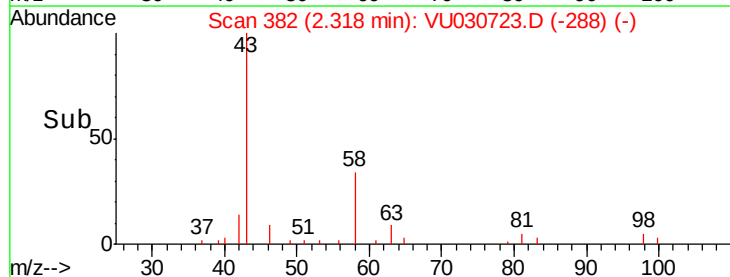
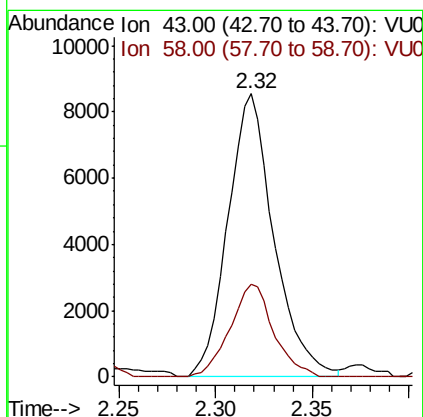
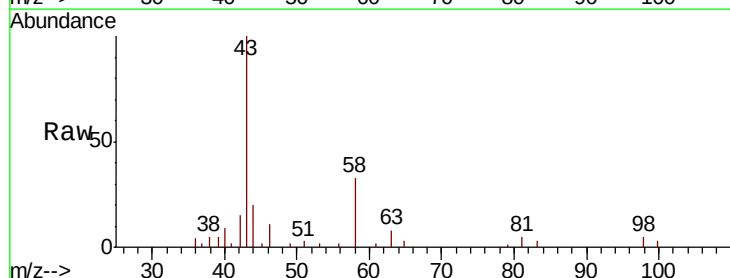
Instrument :
 MSVOA_U
 ClientSampled :
 E3YD8

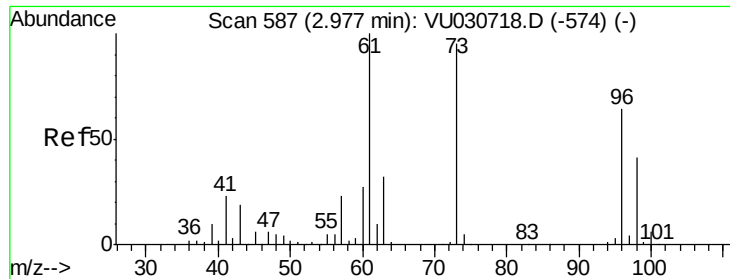
Tot Ion: 96 Resp: 7394
 Ion Ratio Lower Upper
 96 100
 61 466.4 132.0 245.2#
 63 3054.2 90.9 168.9#



#13
 Acetone
 Concen: 4.127 ug/L
 RT: 2.32 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VU030723.D
 Acq: 05 Apr 2019 07:15

Tgt Ion: 43 Resp: 14121
 Ion Ratio Lower Upper
 43 100
 58 31.0 0.0 64.0

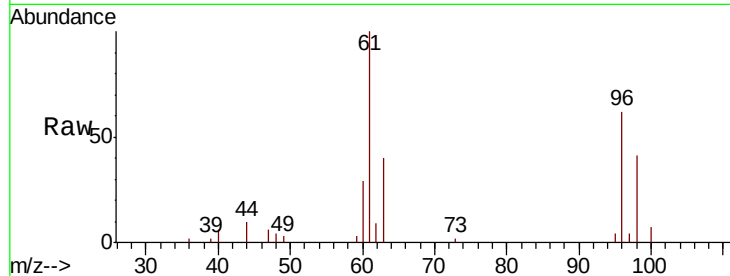




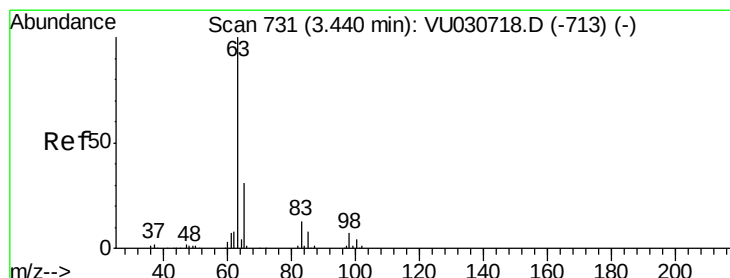
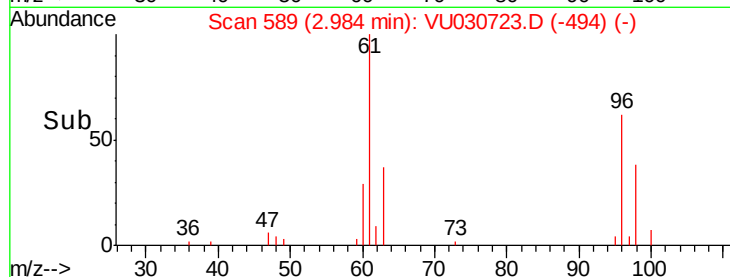
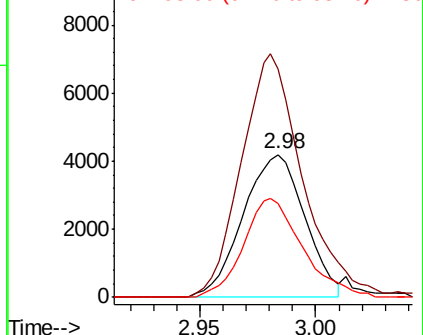
#17
 trans-1,2-Dichloroethene
 Concen: 2.233 ug/L
 RT: 2.98 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VU030723.D
 Acq: 05 Apr 2019 07:15

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD8

Tot Ion: 96 Resp: 7745
 Ion Ratio Lower Upper
 96 100
 61 160.2 109.5 203.3
 98 65.4 44.0 81.6

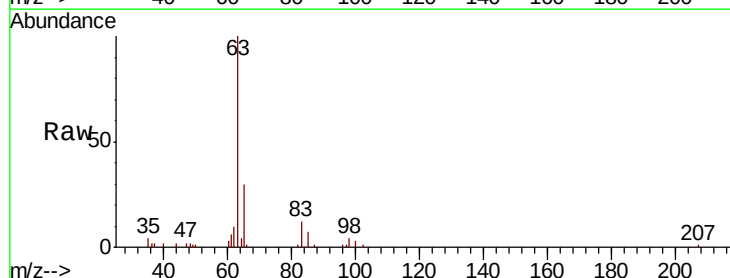


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

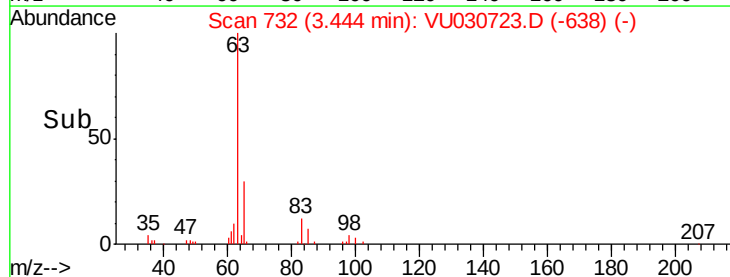
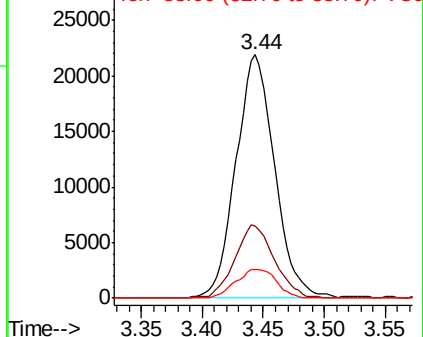


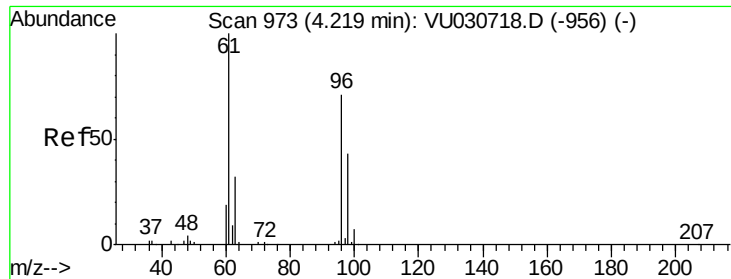
#19
 1,1-Dichloroethane
 Concen: 6.720 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU030723.D
 Acq: 05 Apr 2019 07:15

Tgt Ion: 63 Resp: 48106
 Ion Ratio Lower Upper
 63 100
 65 29.7 21.4 39.8
 83 11.7 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

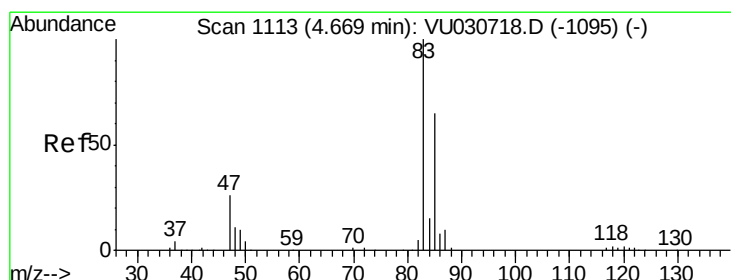
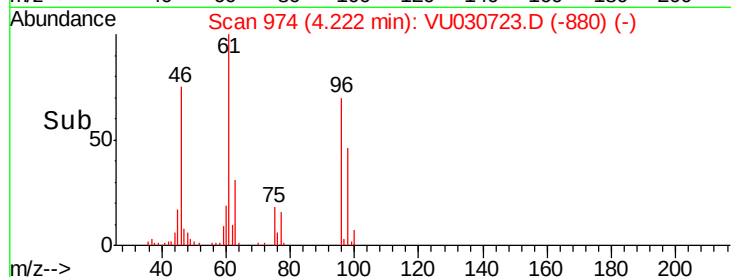
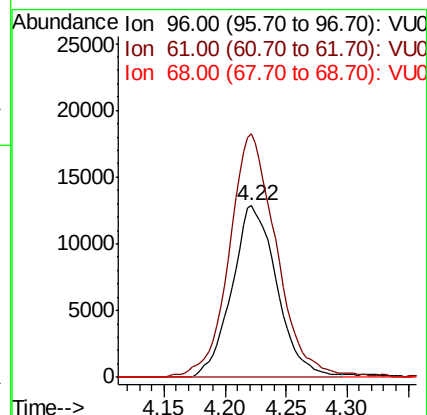
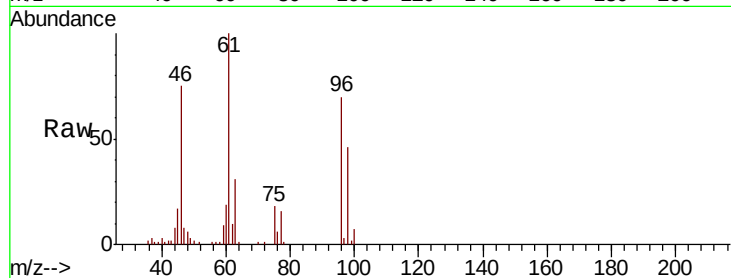




#20
 cis-1,2-Dichloroethene
 Concen: 8.591 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU030723.D
 Acq: 05 Apr 2019 07:15

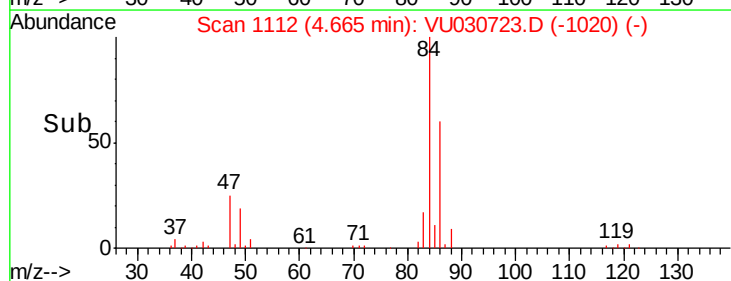
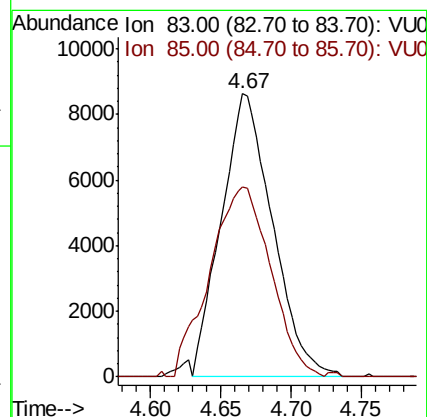
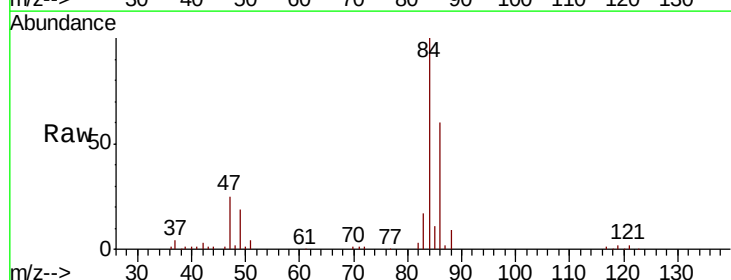
Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD8

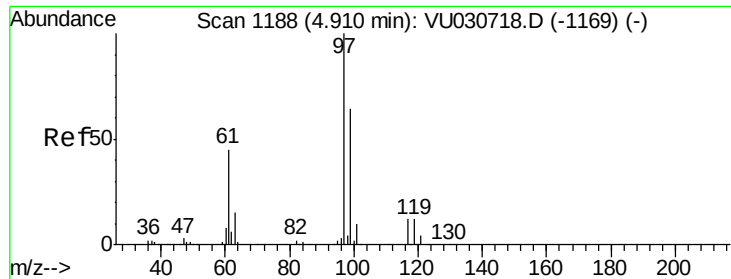
Tot Ion: 96 Resp: 32905
 Ion Ratio Lower Upper
 96 100
 61 142.1 102.9 191.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 3.050 ug/L
 RT: 4.67 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: VU030723.D
 Acq: 05 Apr 2019 07:15

Tgt Ion: 83 Resp: 21942
 Ion Ratio Lower Upper
 83 100
 85 67.2 45.8 85.0

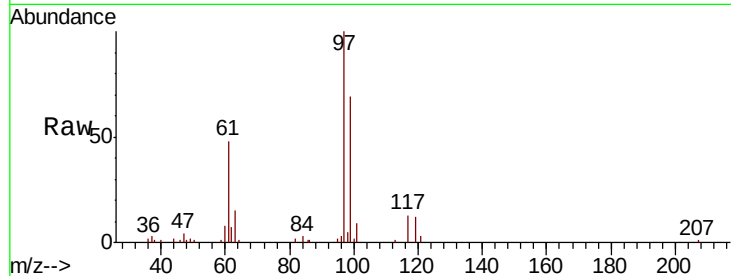




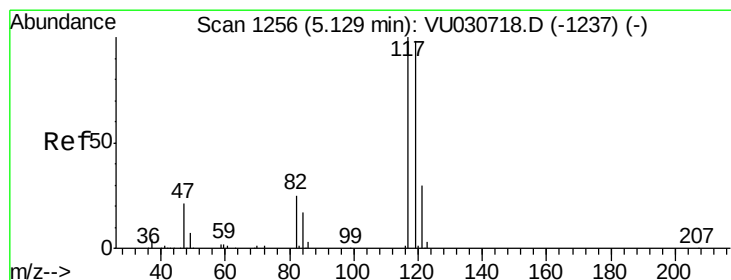
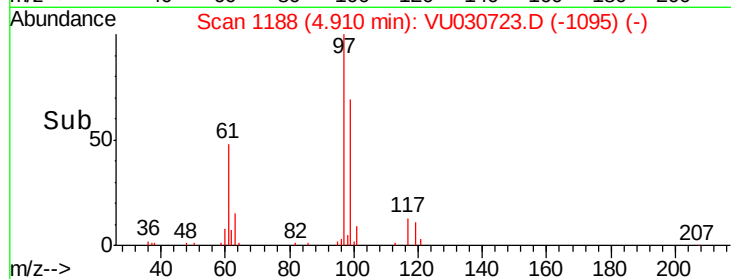
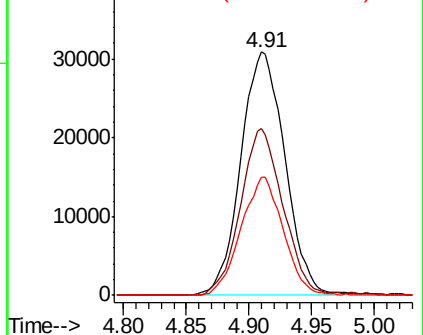
#30
 1,1,1-Trichloroethane
 Concen: 13.135 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU030723.D
 Acq: 05 Apr 2019 07:15

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD8

Tot Ion: 97 Resp: 75423
 Ion Ratio Lower Upper
 97 100
 99 66.1 51.4 77.2
 61 46.6 37.1 55.7

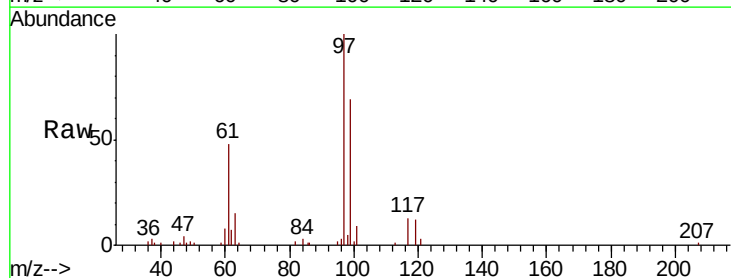


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

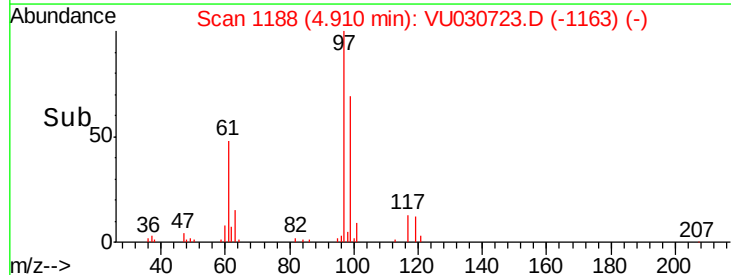
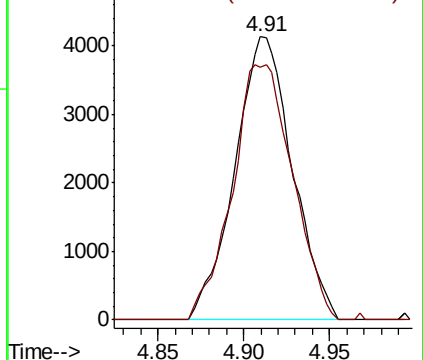


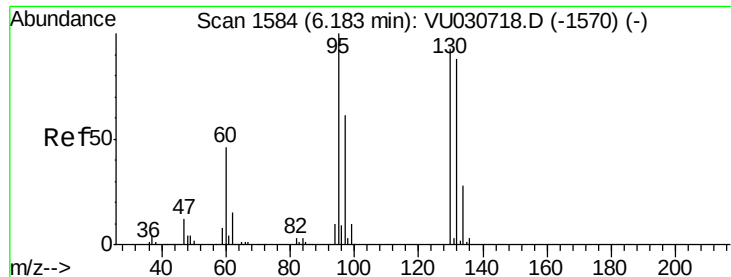
#31
 Carbon tetrachloride
 Concen: 1.947 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.22 min
 Lab File: VU030723.D
 Acq: 05 Apr 2019 07:15

Tgt Ion: 117 Resp: 9635
 Ion Ratio Lower Upper
 117 100
 119 94.3 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#34

Trichloroethene

Concen: 8.123 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU030723.D

Acq: 05 Apr 2019 07:15

Instrument :

MSVOA_U

ClientSampleId :

E3YD8

Tot Ion: 95 Resp: 30720

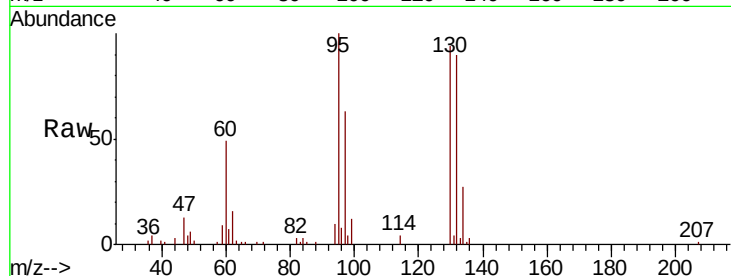
Ion Ratio Lower Upper

95 100

97 63.4 44.5 82.7

132 90.3 61.5 114.1

130 94.3 64.9 120.5



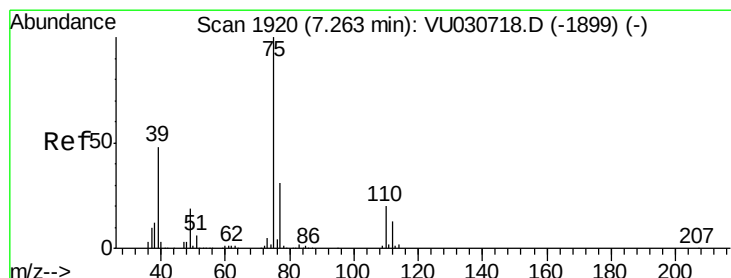
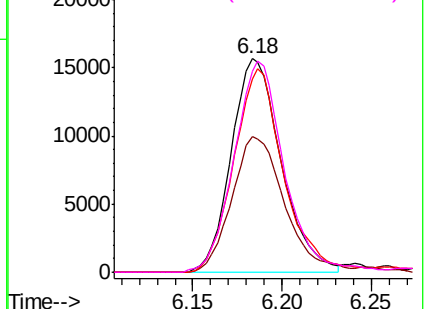
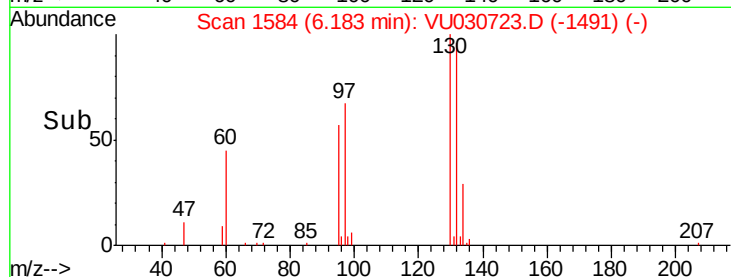
Abundance

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



#39

cis-1,3-Dichloropropene

Concen: 0.921 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU030723.D

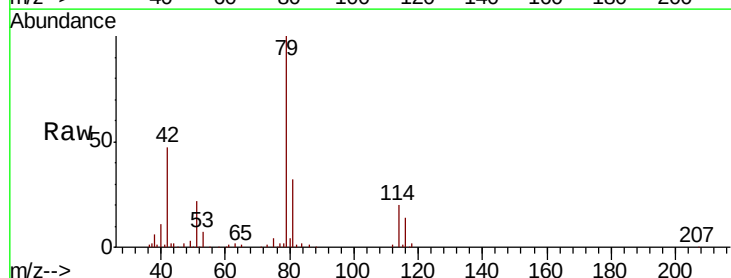
Acq: 05 Apr 2019 07:15

Tgt Ion: 75 Resp: 5722

Ion Ratio Lower Upper

75 100

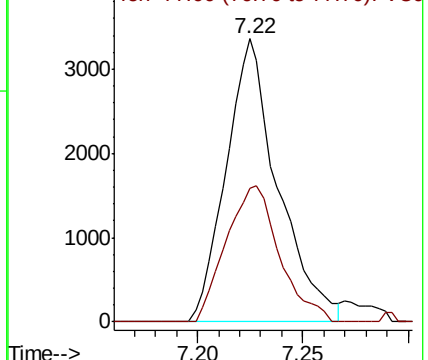
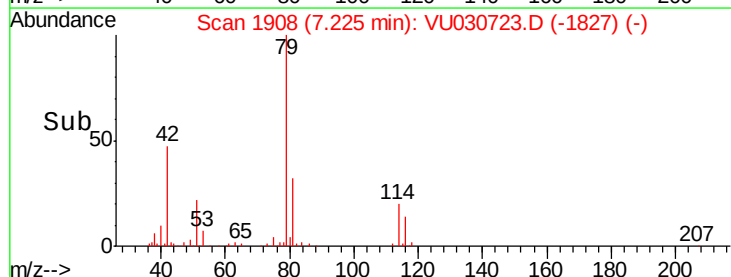
77 47.1 23.1 42.9#

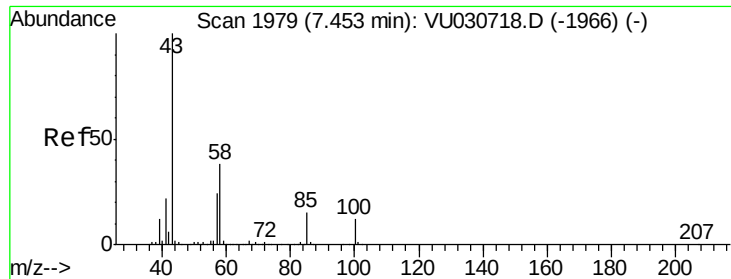


Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

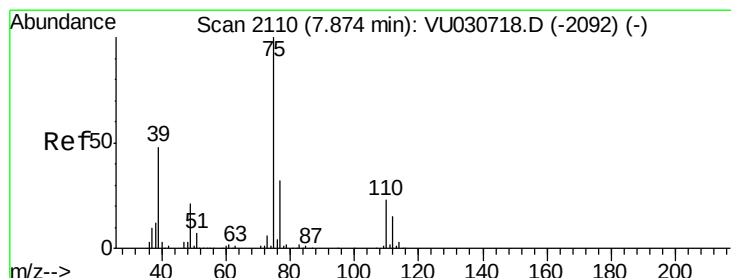
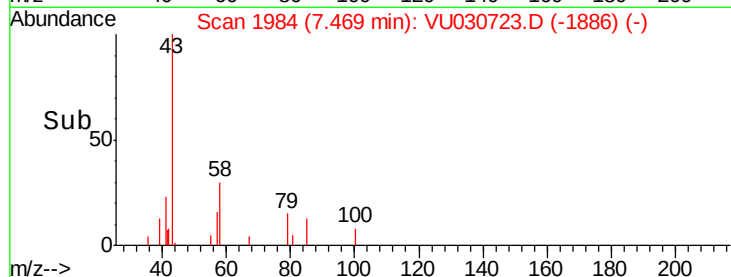
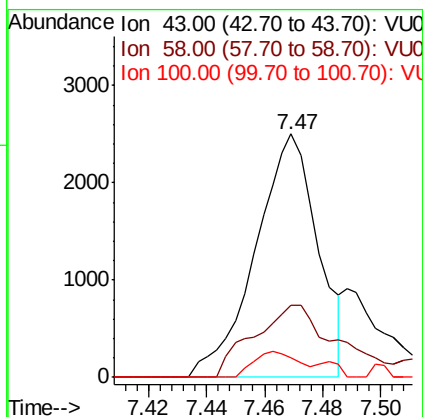
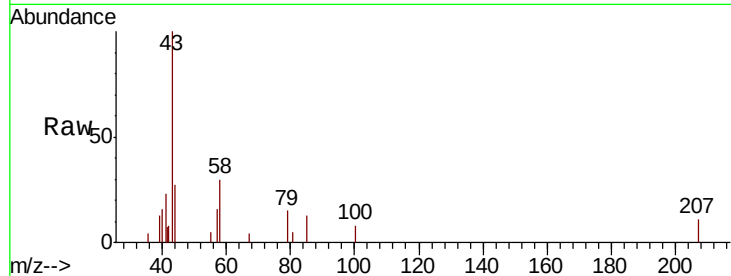




#40
4-Methyl-2-pentanone
Concen: 0.531 ug/L
RT: 7.47 min Scan# 1984
Delta R.T. 0.02 min
Lab File: VU030723.D
Acq: 05 Apr 2019 07:15

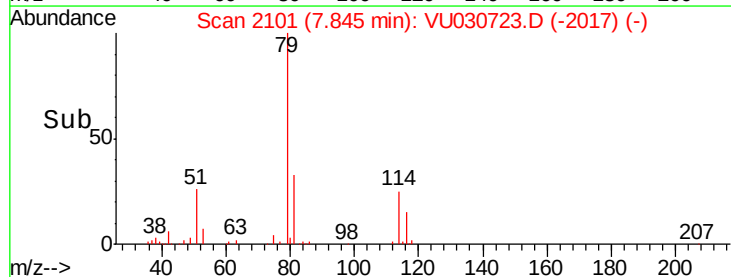
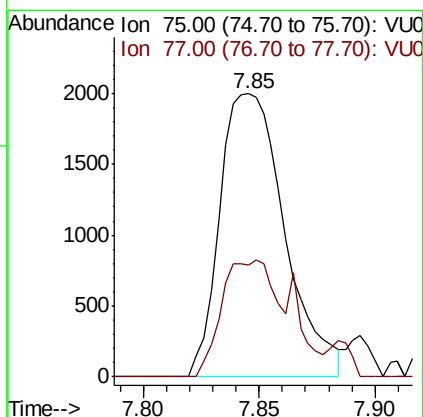
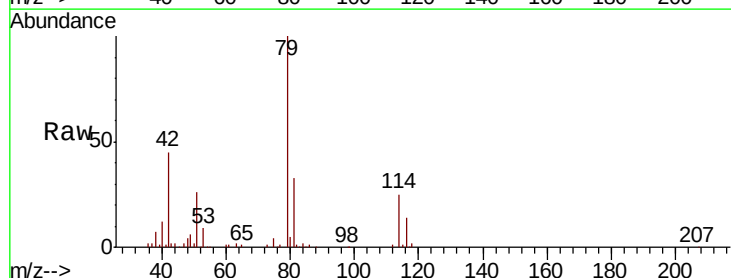
Instrument :
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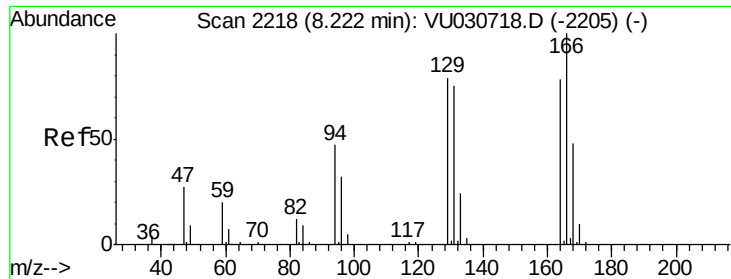
Tot Ion: 43 Resp: 3729
Ion Ratio Lower Upper
43 100
58 30.5 29.7 44.5
100 7.6 9.8 14.6#



#44
trans-1,3-Dichloropropene
Concen: 0.710 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU030723.D
Acq: 05 Apr 2019 07:15

Tgt Ion: 75 Resp: 3890
Ion Ratio Lower Upper
75 100
77 39.4 21.6 40.0

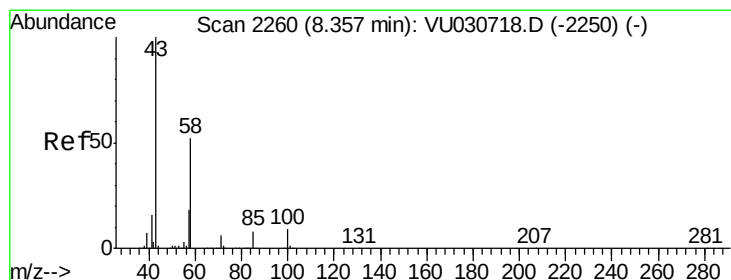
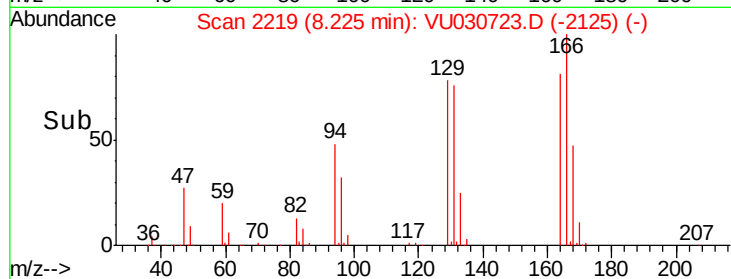
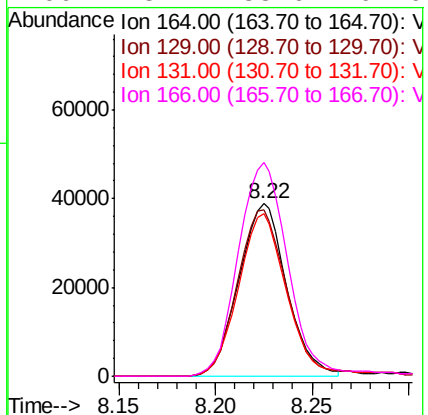
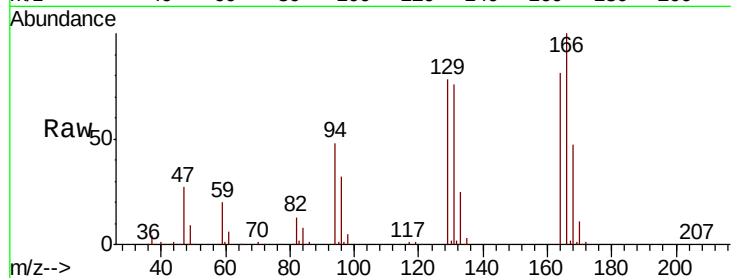




#46
Tetrachloroethene
Concen: 24.335 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU030723.D
Acq: 05 Apr 2019 07:15

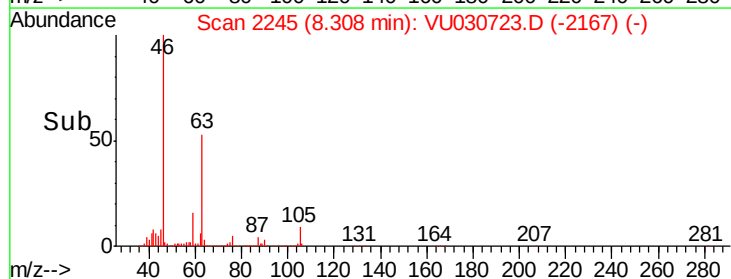
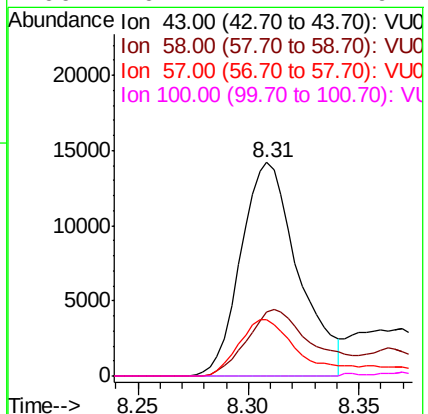
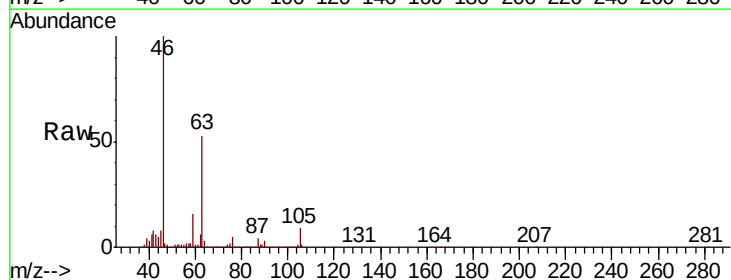
Instrument :
MSVOA_U
ClientSampleId :
E3YD8

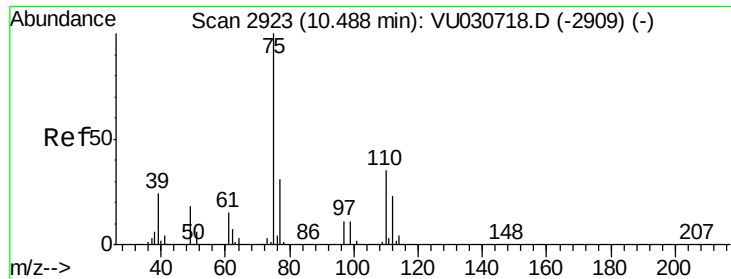
Tot Ion:	164	Resp:	66907
Ion	Ratio	Lower	Upper
164	100		
129	96.5	67.4	125.2
131	94.3	65.9	122.5
166	123.7	88.6	164.6



#48
2-Hexanone
Concen: 4.689 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU030723.D
Acq: 05 Apr 2019 07:15

Tgt Ion:	43	Resp:	25686
Ion	Ratio	Lower	Upper
43	100		
58	35.7	41.9	62.9#
57	27.7	14.3	21.5#
100	0.4	7.1	10.7#





#59

1,2,3-Trichloropropane

Concen: 4.571 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030723.D

Acq: 05 Apr 2019 07:15

Instrument :

MSVOA_U

ClientSampleId :

E3YD8

Tot Ion: 75 Resp: 23902

Ion Ratio Lower Upper

75 100

77 34.5 26.1 39.1

