

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040419\
 Data File : VU030665.D
 Acq On : 04 Apr 2019 06:30
 Operator : JC/SP
 Sample : K2246-04
 Misc : 5.41g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 04 08:08:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 04 07:55:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	566015	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	551661	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	261598	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	105363	23.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	46.26%#
7) Chloroethane-d5	1.64	69	69752	19.32	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	38.64%#
11) 1,1-Dichloroethene-d2	2.24	63	161549	18.70	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	37.40%#
21) 2-Butanone-d5	4.19	46	205416	47.97	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	47.97%
24) Chloroform-d	4.64	84	187648	23.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	47.82%#
26) 1,2-Dichloroethane-d4	5.30	65	128316	24.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	49.98%#
32) Benzene-d6	5.33	84	405028	25.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	51.20%#
36) 1,2-Dichloropropane-d6	6.32	67	135263	24.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	49.98%#
41) Toluene-d8	7.56	98	344387	24.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	48.48%#
43) trans-1,3-Dichloropropene-	7.85	79	55157	21.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	43.34%#
47) 2-Hexanone-d5	8.32	63	138740	47.30	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	47.30%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	193783	25.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	50.04%#
64) 1,2-Dichlorobenzene-d4	11.86	152	129559	24.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	49.44%#

Target Compounds

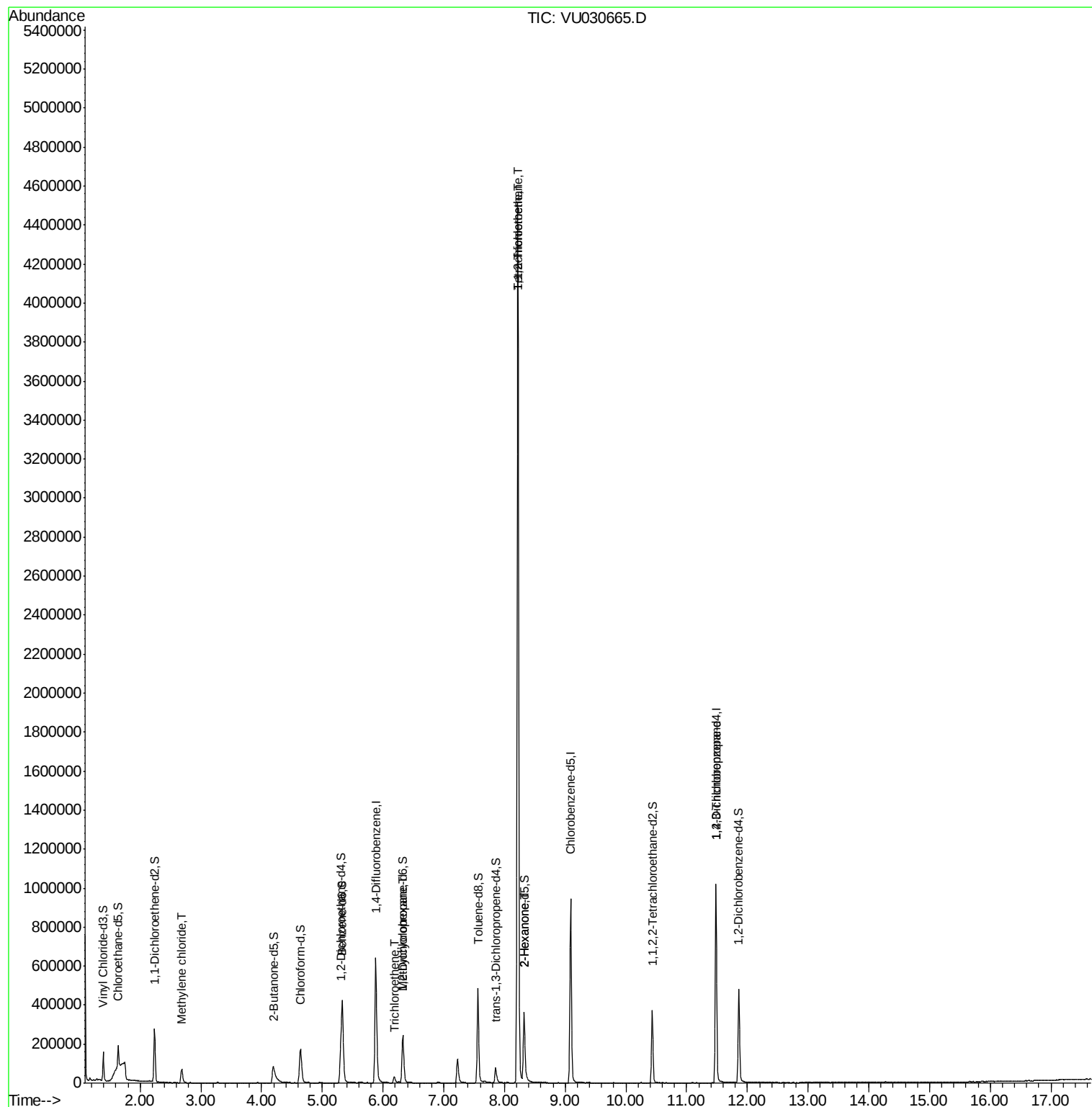
					Ovalue
16) Methylene chloride	2.68	84	34593	7.246 ug/L	98
34) Trichloroethene	6.19	95	11823	2.561 ug/L	94
35) Methylcyclohexane	6.32	83	28575	3.761 ug/L #	14
45) 1,1,2-Trichloroethane	8.22	97	8246	1.831 ug/L #	1
46) Tetrachloroethene	8.22	164	1003985	311.367 ug/L	98
48) 2-Hexanone	8.32	43	16895	2.303 ug/L #	71
59) 1,2,3-Trichloropropane	11.48	75	34146	5.264 ug/L #	87

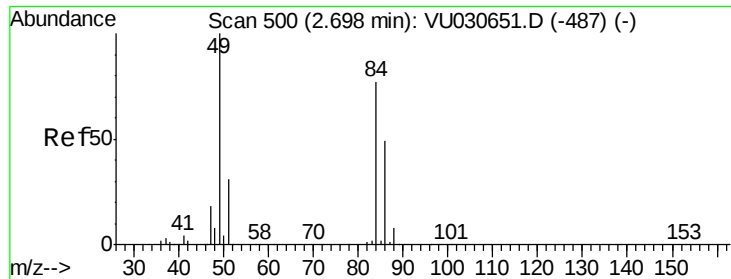
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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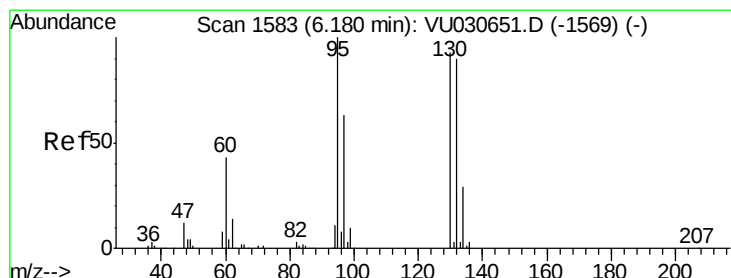
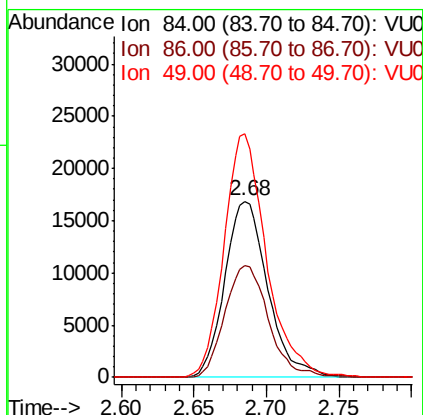
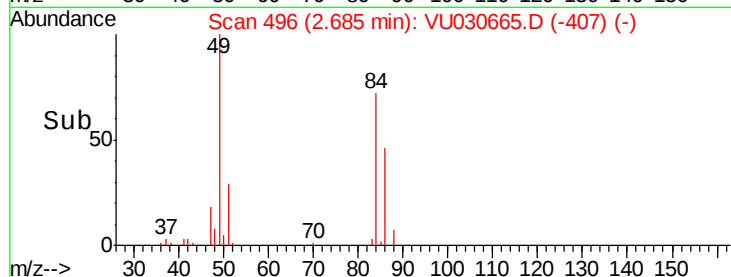
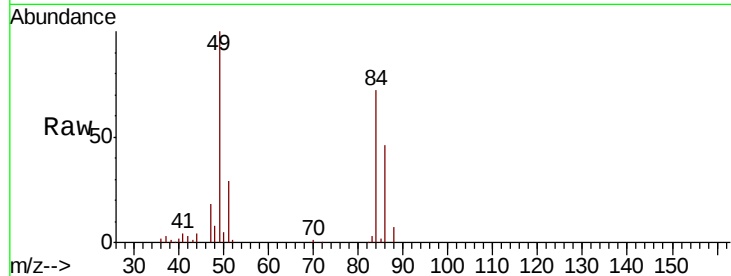




#16
Methvlene chloride
Concen: 7.246 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.01 min
Lab File: VU030665.D
Acq: 04 Apr 2019 06:30

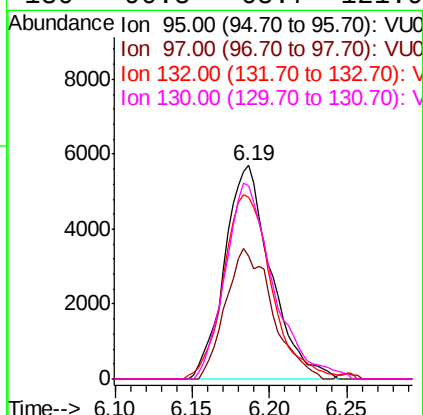
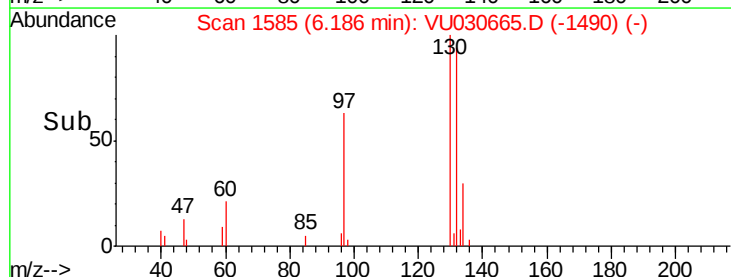
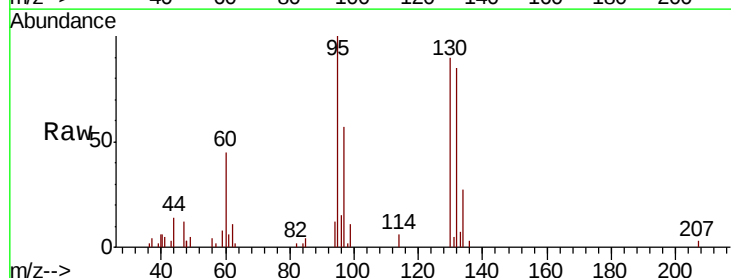
Instrument :
MSVOA_U
ClientSampleId :

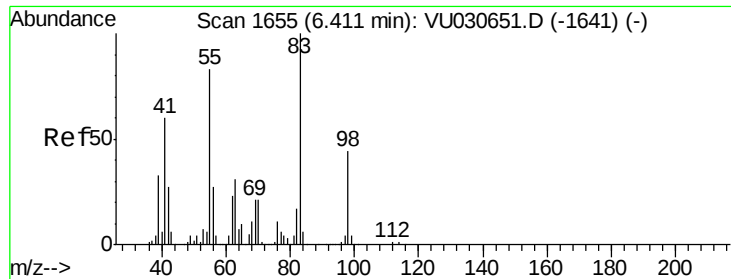
Tot Ion: 84 Resp: 34593
Ion Ratio Lower Upper
84 100
86 63.8 44.3 82.3
49 138.2 94.9 176.3



#34
Trichloroethene
Concen: 2.561 ug/L
RT: 6.19 min Scan# 1585
Delta R.T. 0.01 min
Lab File: VU030665.D
Acq: 04 Apr 2019 06:30

Tgt Ion: 95 Resp: 11823
Ion Ratio Lower Upper
95 100
97 57.3 45.7 84.9
132 84.8 63.8 118.4
130 90.5 65.7 121.9





#35

Methylcyclohexane

Concen: 3.761 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.09 min

Lab File: VU030665.D

Acq: 04 Apr 2019 06:30

Instrument :
MSVOA_U
ClientSampleId :

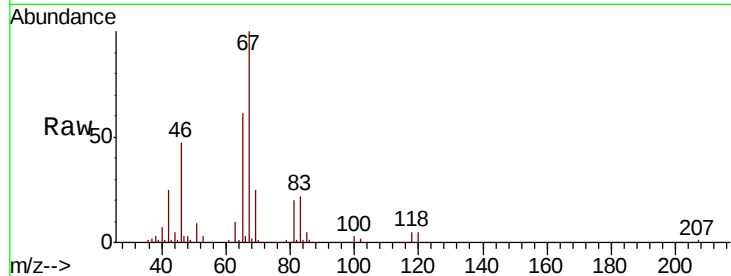
Tot Ion: 83 Resp: 28575

Ion Ratio Lower Upper

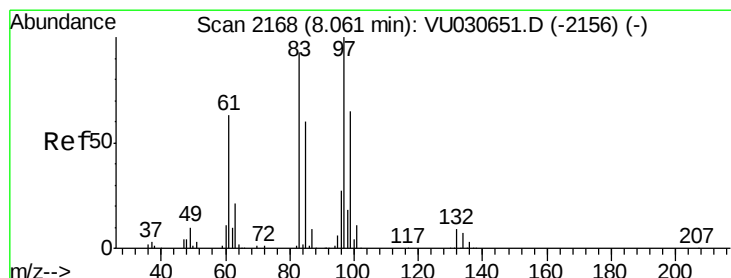
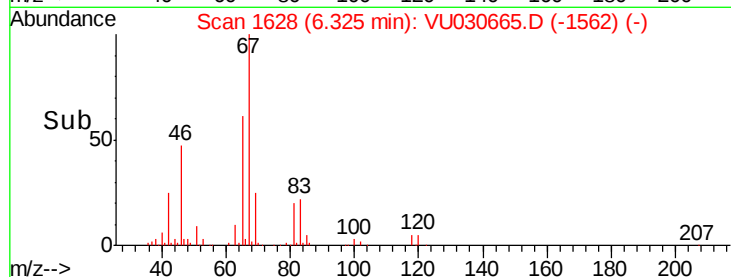
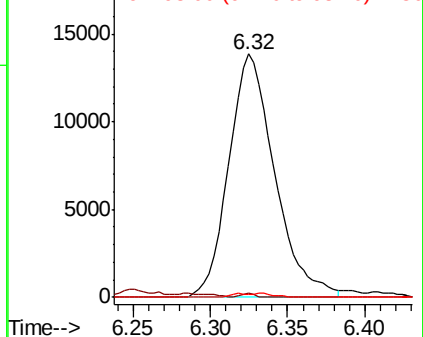
83 100

55 0.0 71.4 107.0#

98 0.8 36.0 54.0#



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#45

1,1,2-Trichloroethane

Concen: 1.831 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.16 min

Lab File: VU030665.D

Acq: 04 Apr 2019 06:30

Tgt Ion: 97 Resp: 8246

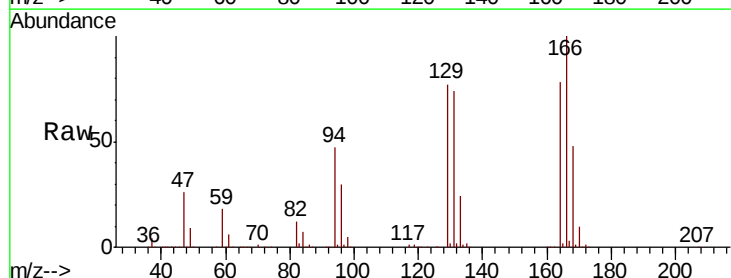
Ion Ratio Lower Upper

97 100

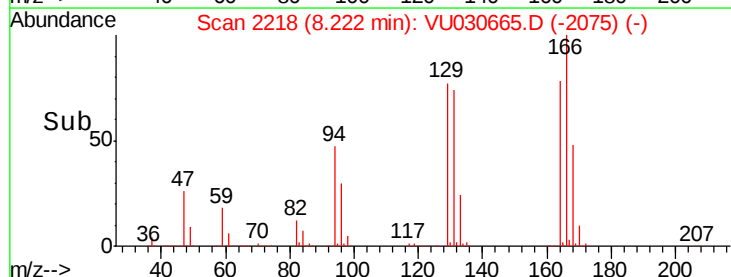
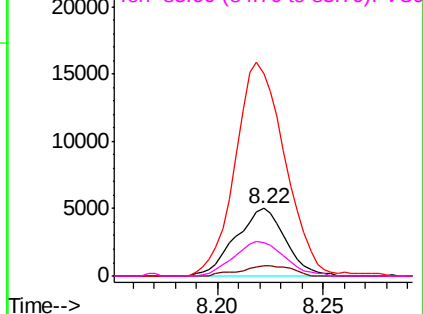
99 15.4 44.0 81.8#

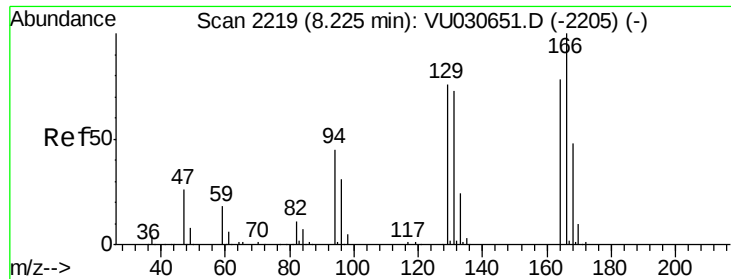
83 300.6 65.3 121.3#

85 49.4 41.8 77.6



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

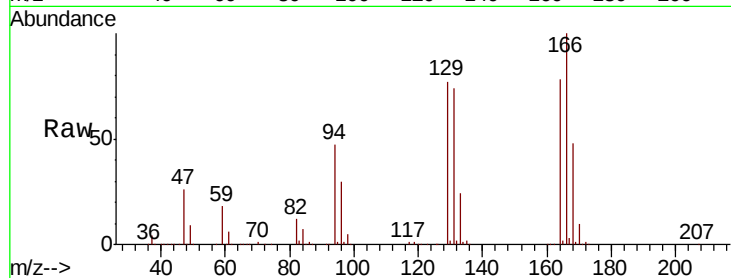




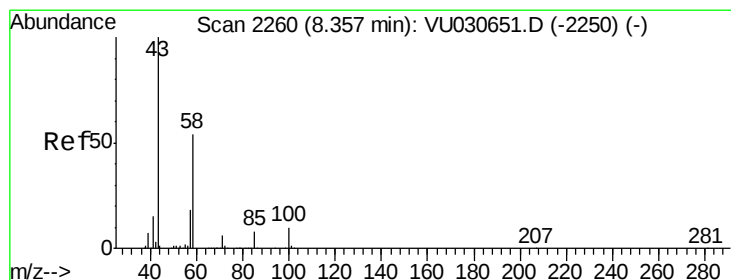
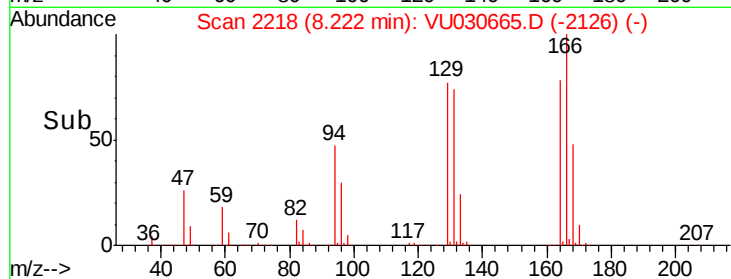
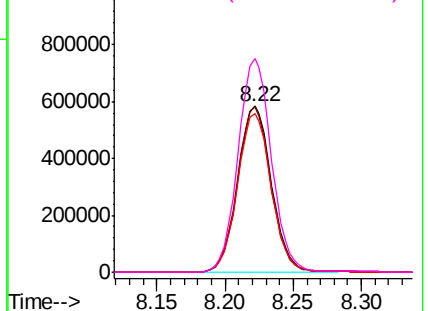
#46
Tetrachloroethene
Concen: 311.367 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU030665.D
Acq: 04 Apr 2019 06:30

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 1003985
Ion Ratio Lower Upper
164 100
129 99.3 68.1 126.5
131 95.8 67.7 125.7
166 128.7 92.4 171.6

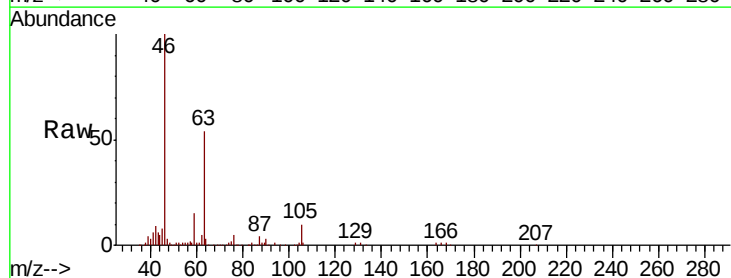


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

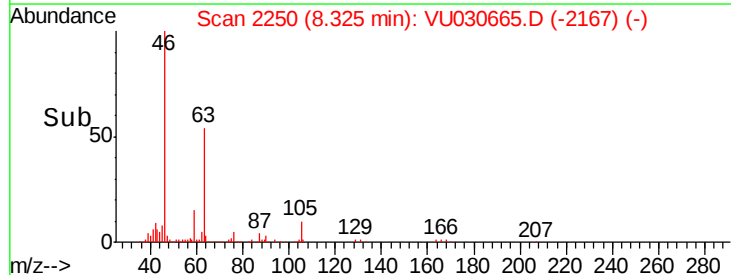
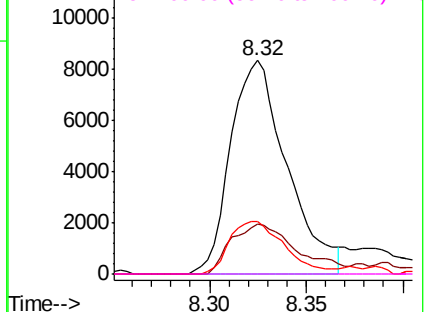


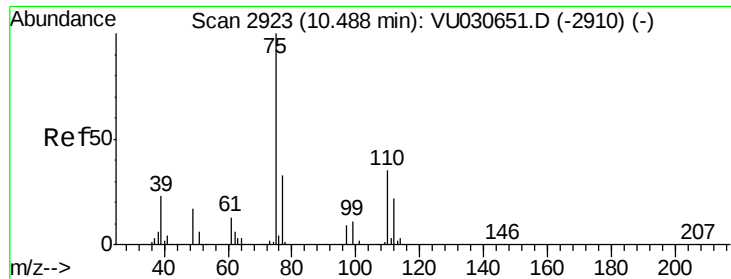
#48
2-Hexanone
Concen: 2.303 ug/L
RT: 8.32 min Scan# 2250
Delta R.T. -0.03 min
Lab File: VU030665.D
Acq: 04 Apr 2019 06:30

Tgt Ion: 43 Resp: 16895
Ion Ratio Lower Upper
43 100
58 27.2 42.5 63.7#
57 24.0 15.0 22.6#
100 0.0 7.4 11.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#59

1,2,3-Trichloropropane

Concen: 5.264 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030665.D

Acq: 04 Apr 2019 06:30

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 34146

Ion Ratio Lower Upper

75 100

77 39.3 25.4 38.2#

