

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041019\
 Data File : VU031006.D
 Acq On : 10 Apr 2019 12:41
 Operator : JC/SP
 Sample : K2248-21DL2 2000X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD4DL2

Quant Time: Apr 11 02:11:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 11 02:07:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	208724	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	222840	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	89811	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	54432	3.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.20%
7) Chloroethane-d5	1.68	69	53578	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.40%
11) 1,1-Dichloroethene-d2	2.27	63	84799	2.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.00%#
20) 2-Butanone-d5	4.19	46	250746	61.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.02%
24) Chloroform-d	4.64	84	105273	3.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.80%
26) 1,2-Dichloroethane-d4	5.31	65	72353	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.33	84	204285	3.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.00%#
36) 1,2-Dichloropropane-d6	6.33	67	77255	3.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.40%
41) Toluene-d8	7.56	98	148043	2.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	56.60%#
43) trans-1,3-Dichloropropene-	7.86	79	24678	3.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.60%
46) 2-Hexanone-d5	8.31	63	150942	47.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.98%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	75795	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	64889	4.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.40%

Target Compounds

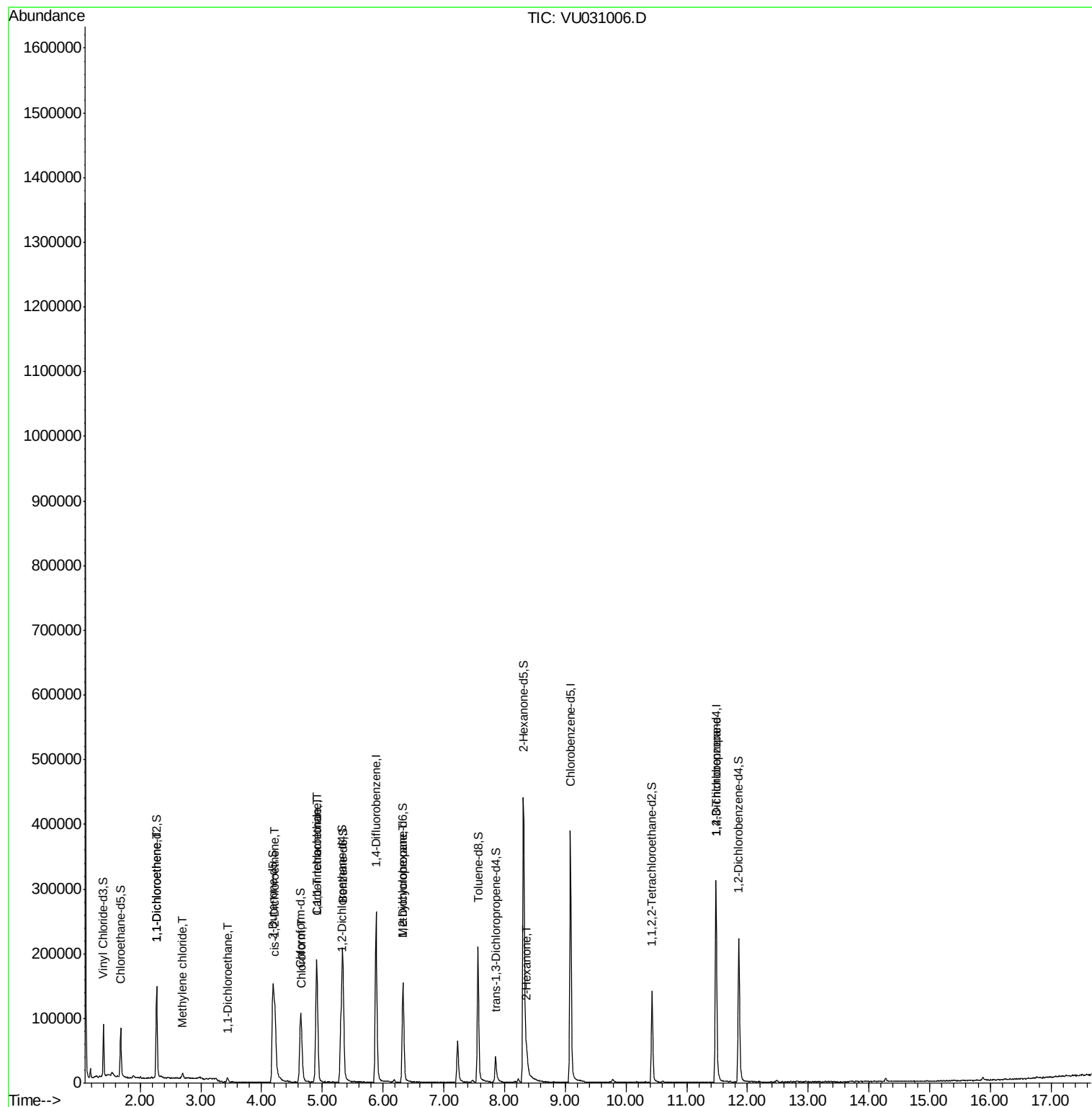
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.28	96	2519	0.165	ug/L #	1
16) Methylene chloride	2.70	84	3564	0.201	ug/L	92
19) 1,1-Dichloroethane	3.44	63	7103	0.209	ug/L	89
22) cis-1,2-Dichloroethene	4.22	96	40857	2.383	ug/L	97
25) Chloroform	4.67	83	17671	0.570	ug/L	92
29) 1,1,1-Trichloroethane	4.91	97	151761	5.346	ug/L	99
31) Carbon tetrachloride	4.91	117	19672	0.825	ug/L	100
35) Methylcyclohexane	6.32	83	17882	0.594	ug/L #	15
48) 2-Hexanone	8.37	43	16450	1.835	ug/L #	88
59) 1,2,3-Trichloropropane	11.48	75	11269	0.972	ug/L	94

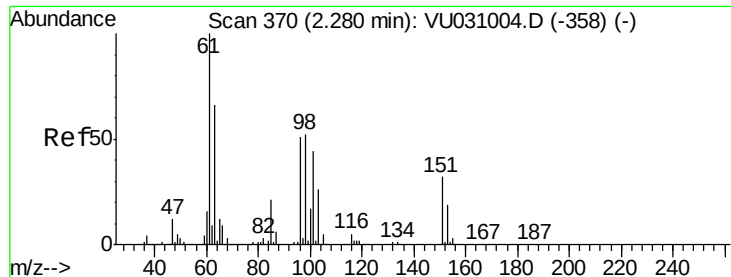
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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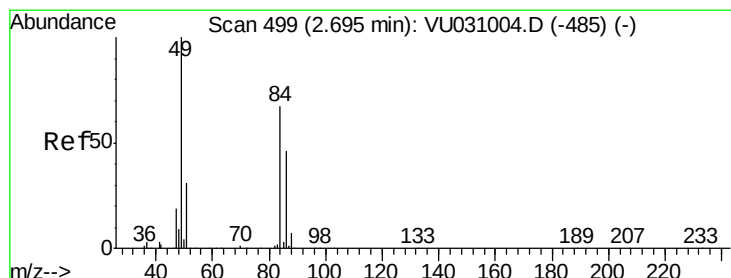
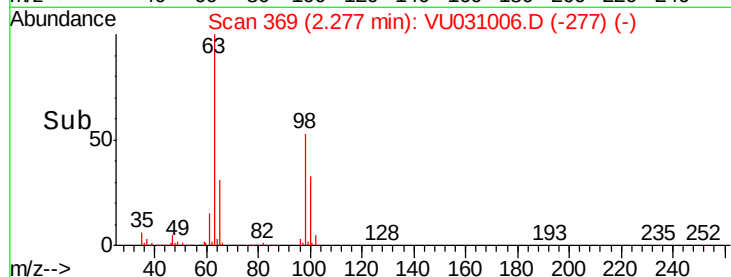
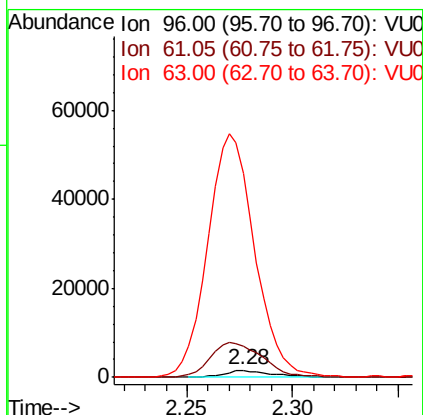
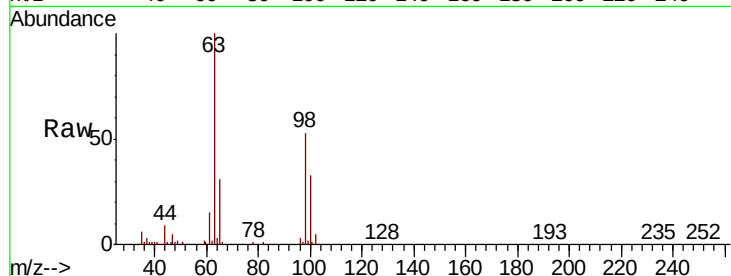




#12
 1,1-Dichloroethene
 Concen: 0.165 ug/L
 RT: 2.28 min Scan# 369
 Delta R.T. -0.00 min
 Lab File: VU031006.D
 Acq: 10 Apr 2019 12:41

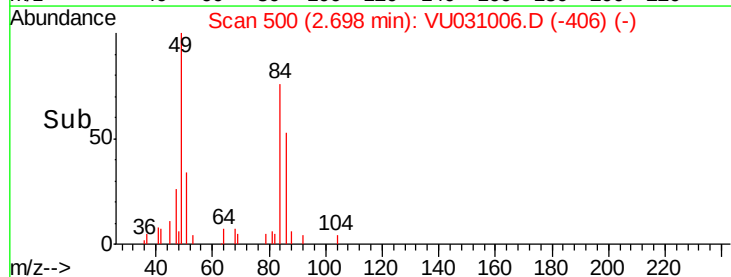
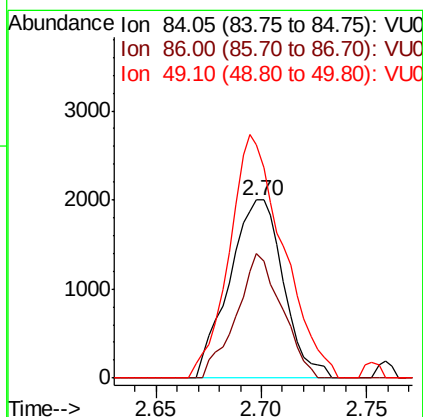
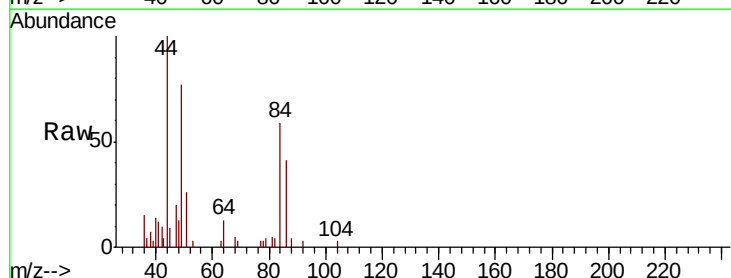
Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD4DL2

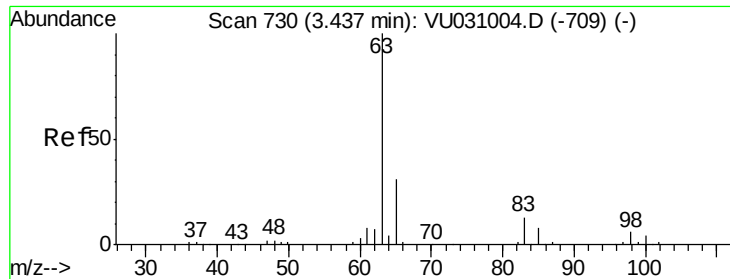
Tot Ion: 96 Resp: 2519
 Ion Ratio Lower Upper
 96 100
 61 452.3 136.9 254.3#
 63 2997.0 107.7 200.1#



#16
 Methylene chloride
 Concen: 0.201 ug/L
 RT: 2.70 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VU031006.D
 Acq: 10 Apr 2019 12:41

Tgt Ion: 84 Resp: 3564
 Ion Ratio Lower Upper
 84 100
 86 69.9 43.4 80.6
 49 131.3 98.5 182.9

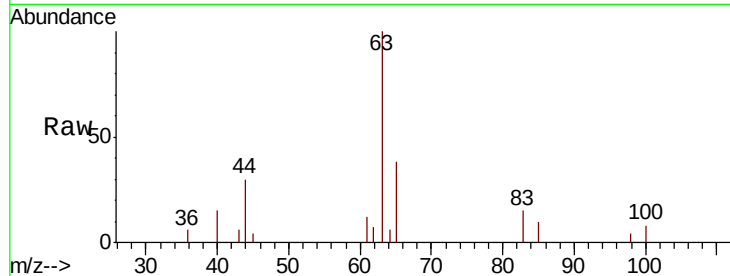




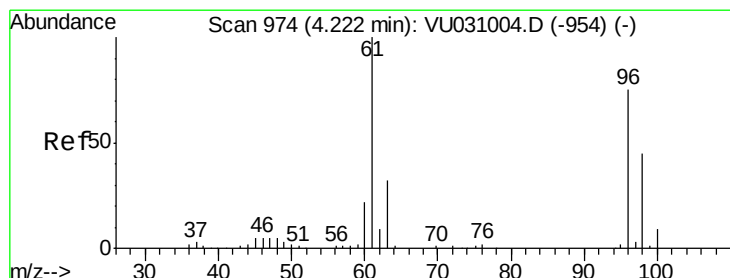
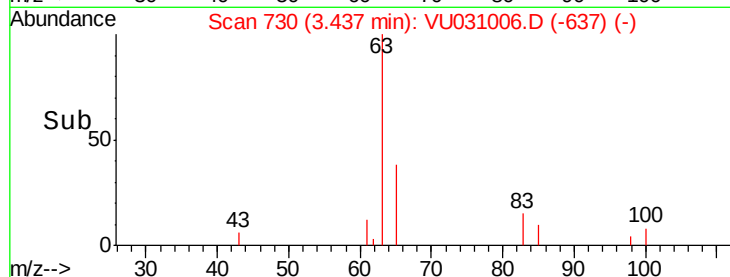
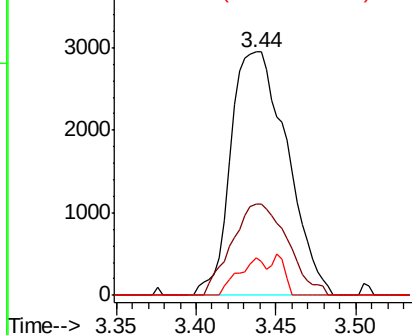
#19
 1,1-Dichloroethane
 Concen: 0.209 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU031006.D
 Acq: 10 Apr 2019 12:41

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD4DL2

Tot Ion: 63 Resp: 7103
 Ion Ratio Lower Upper
 63 100
 65 37.7 21.6 40.0
 83 15.4 9.1 16.9

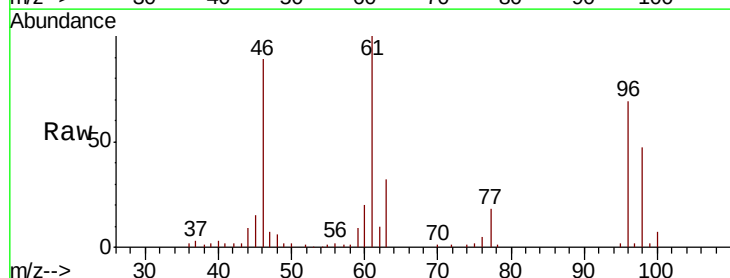


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

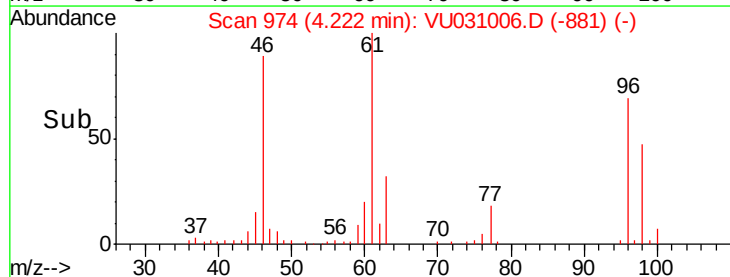
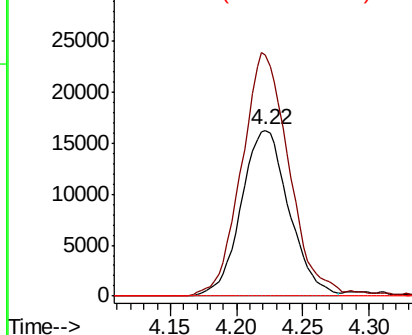


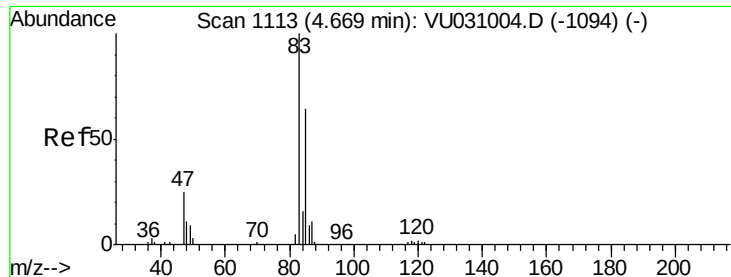
#22
 cis-1,2-Dichloroethene
 Concen: 2.383 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU031006.D
 Acq: 10 Apr 2019 12:41

Tgt Ion: 96 Resp: 40857
 Ion Ratio Lower Upper
 96 100
 61 144.9 98.9 183.7
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

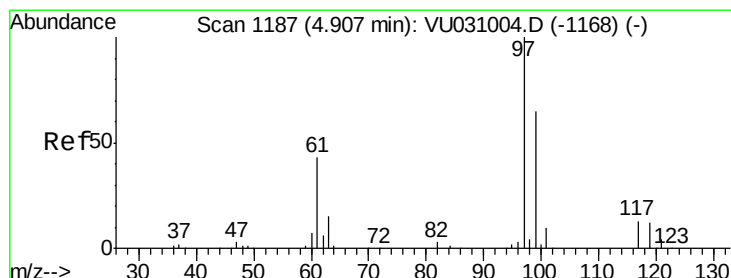
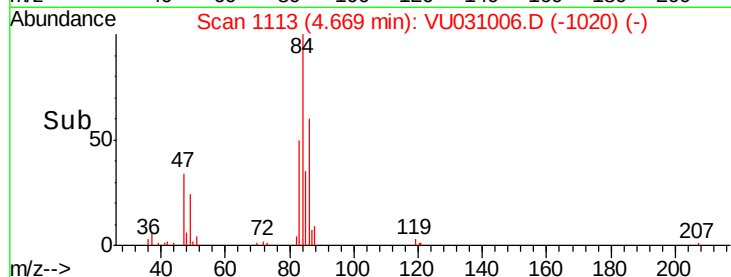
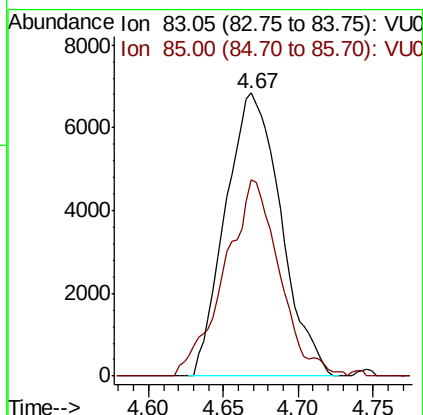
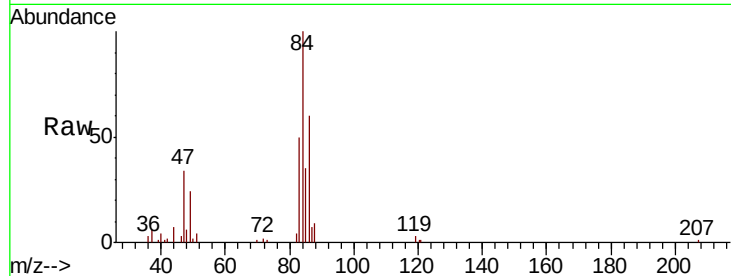




#25
Chloroform
Concen: 0.570 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU031006.D
Acq: 10 Apr 2019 12:41

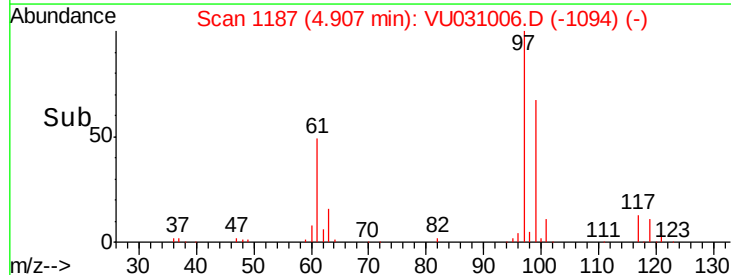
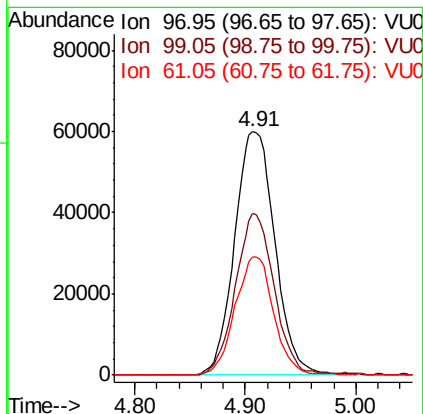
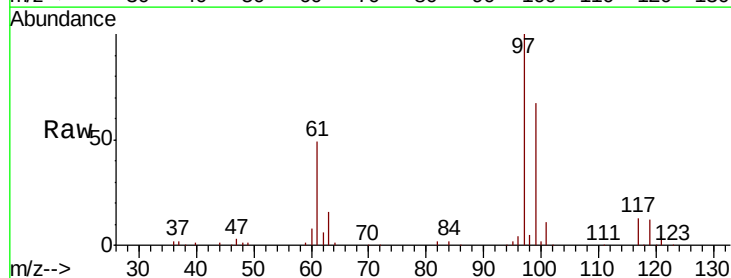
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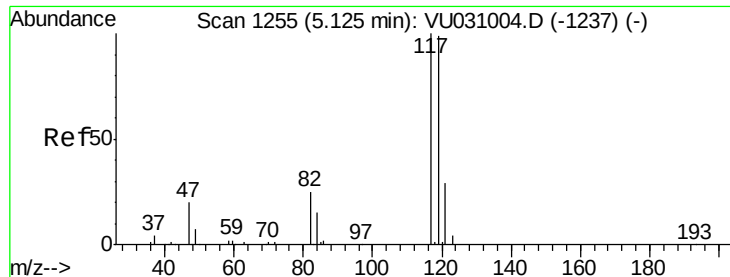
Tot Ion: 83 Resp: 17671
Ion Ratio Lower Upper
83 100
85 69.3 44.2 82.2



#29
1,1,1-Trichloroethane
Concen: 5.346 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU031006.D
Acq: 10 Apr 2019 12:41

Tgt Ion: 97 Resp: 151761
Ion Ratio Lower Upper
97 100
99 63.6 51.8 77.6
61 46.9 38.1 57.1





#31

Carbon tetrachloride

Concen: 0.825 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. -0.22 min

Lab File: VU031006.D

Acq: 10 Apr 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

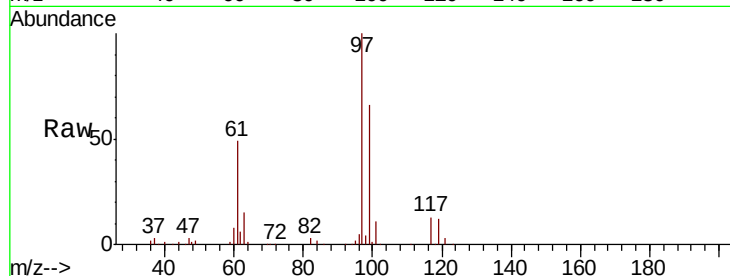
E3YD4DL2

Tot Ion:117 Resp: 19672

Ion Ratio Lower Upper

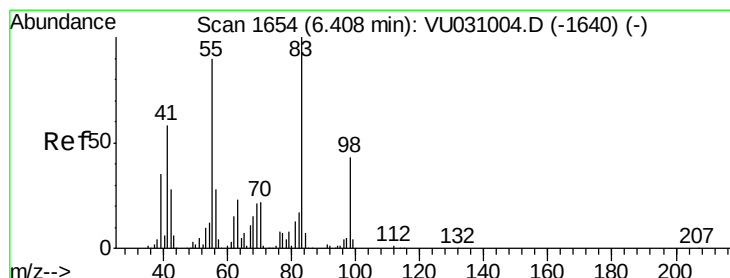
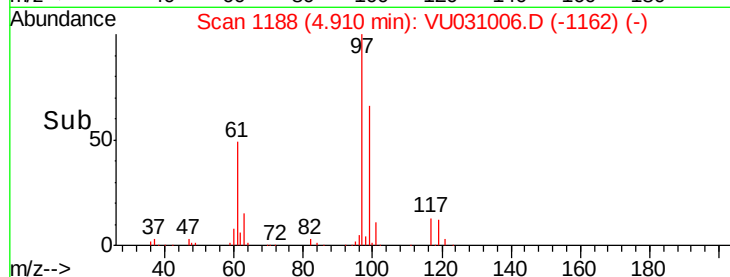
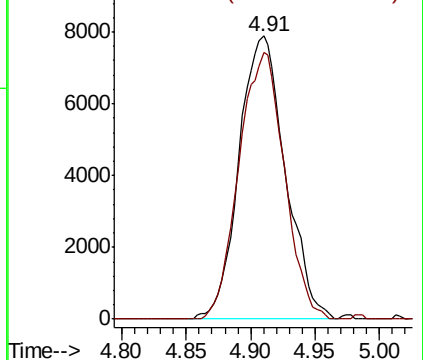
117 100

119 92.5 73.7 110.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#35

Methylcyclohexane

Concen: 0.594 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU031006.D

Acq: 10 Apr 2019 12:41

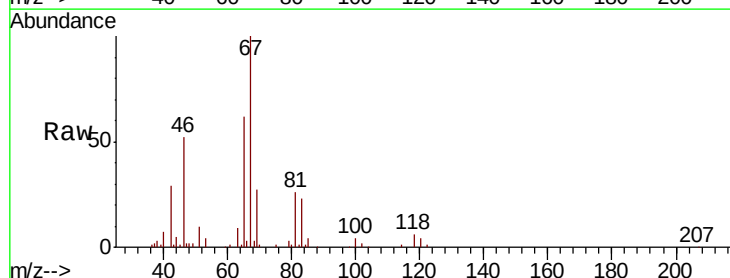
Tgt Ion: 83 Resp: 17882

Ion Ratio Lower Upper

83 100

55 0.6 72.6 108.8#

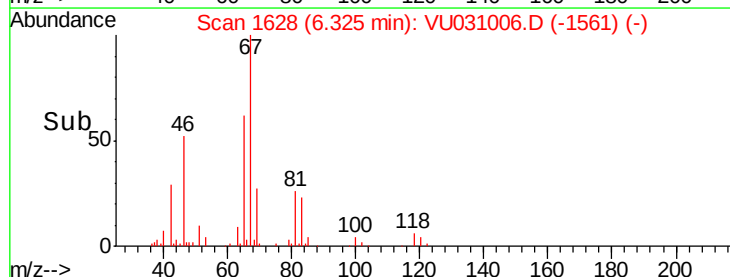
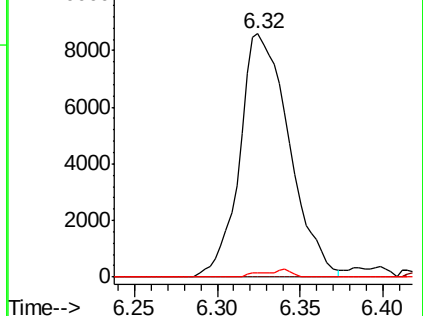
98 1.8 35.0 52.6#

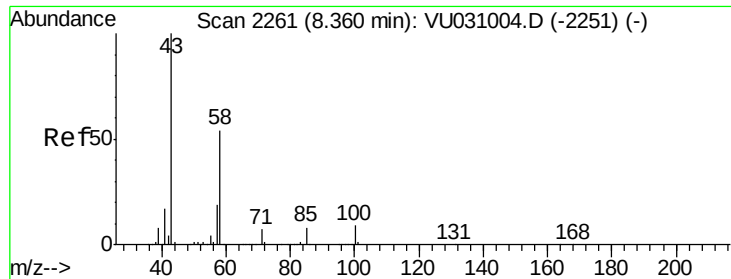


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

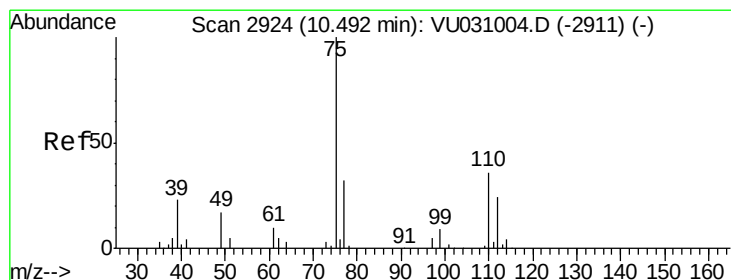
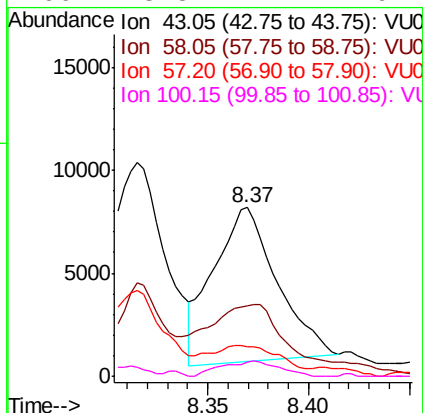
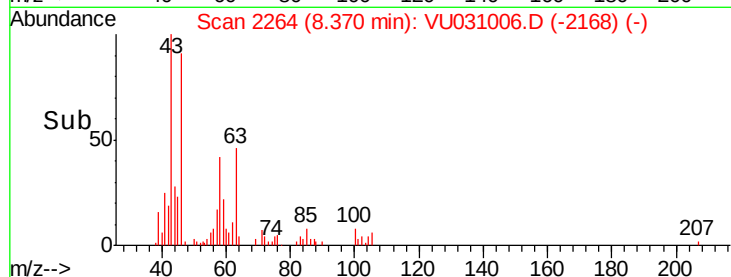
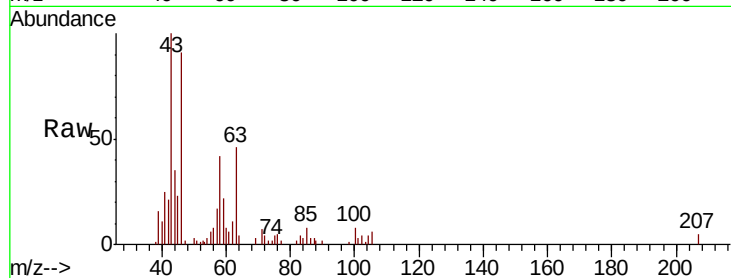




#48
 2-Hexanone
 Concen: 1.835 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. 0.01 min
 Lab File: VU031006.D
 Acq: 10 Apr 2019 12:41

Instrument :
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Tot Ion: 43 Resp: 16450
 Ion Ratio Lower Upper
 43 100
 58 64.9 42.5 63.7#
 57 16.4 13.9 20.9
 100 8.8 7.1 10.7



#59
 1,2,3-Trichloropropane
 Concen: 0.972 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU031006.D
 Acq: 10 Apr 2019 12:41

Tgt Ion: 75 Resp: 11269
 Ion Ratio Lower Upper
 75 100
 77 35.4 25.6 38.4

