

Data File : VU033881.D
Acq On : 21 Aug 2019 18:58
Operator : JC/SP
Sample : K4420-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2C06

Quant Time: Aug 22 07:22:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 07:18:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	391737	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	398531	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	164151	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	162127	46.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.00%
7) Chloroethane-d5	1.67	69	147699	44.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.62%
11) 1,1-Dichloroethene-d2	2.25	63	221958	37.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.36%
21) 2-Butanone-d5	4.15	46	194072	105.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.00%
24) Chloroform-d	4.62	84	270513	47.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.36%
26) 1,2-Dichloroethane-d4	5.29	65	180183	50.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.56%
32) Benzene-d6	5.32	84	543465	48.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.90%
36) 1,2-Dichloropropane-d6	6.31	67	178947	49.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.88%
41) Toluene-d8	7.55	98	470916	45.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.28%
43) trans-1,3-Dichloropropene-	7.83	79	73230	43.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.78%
47) 2-Hexanone-d5	8.30	63	128389	96.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.31%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	252024	50.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.76%
64) 1,2-Dichlorobenzene-d4	11.84	152	171381	52.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.76%

Target Compounds

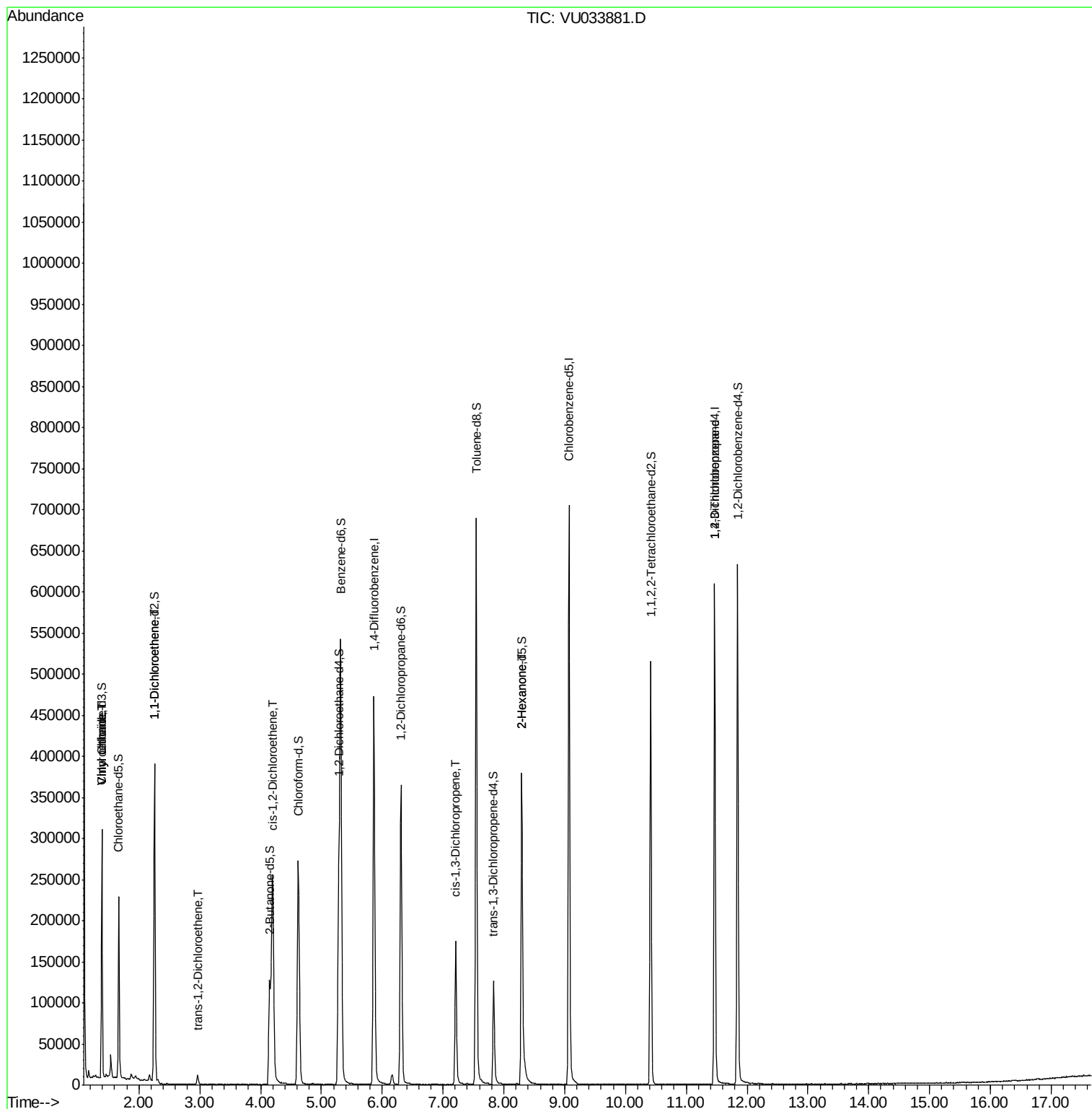
					Qvalue
5) Vinyl chloride	1.40	62	34780	7.905 ug/L	90
8) Chloroethane	1.39	64	13825	4.536 ug/L	92
12) 1,1-Dichloroethene	2.26	96	2424	0.895 ug/L #	1
17) trans-1,2-Dichloroethene	2.96	96	4285	1.518 ug/L	94
20) cis-1,2-Dichloroethene	4.20	96	138923	45.503 ug/L	97
39) cis-1,3-Dichloropropene	7.21	75	4611	0.960 ug/L #	44
48) 2-Hexanone	8.30	43	16282	5.366 ug/L #	76
59) 1,2,3-Trichloropropane	11.47	75	19292	4.831 ug/L	91

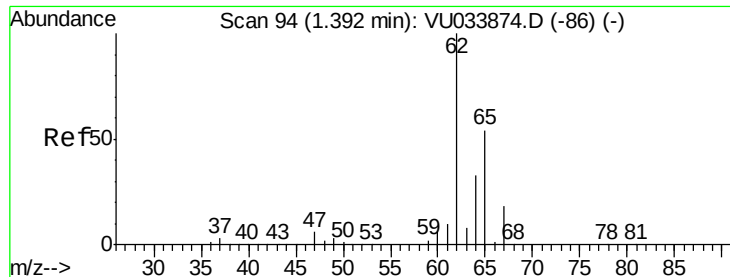
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 7.905 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

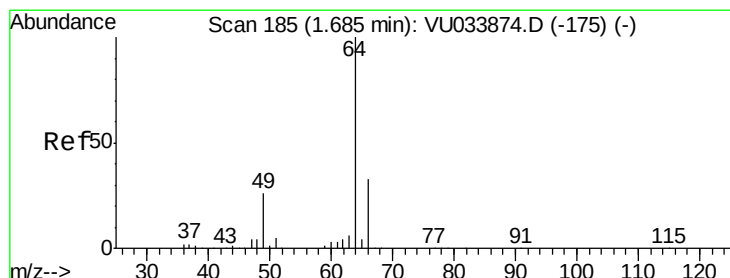
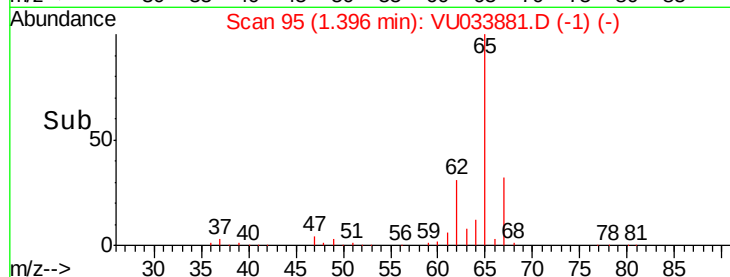
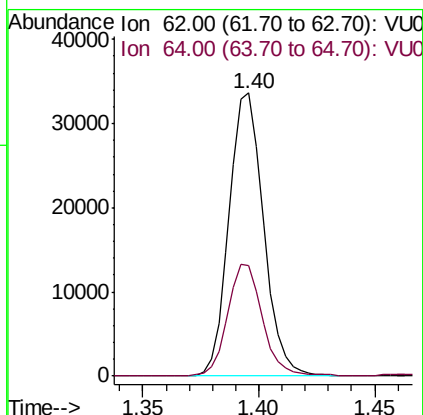
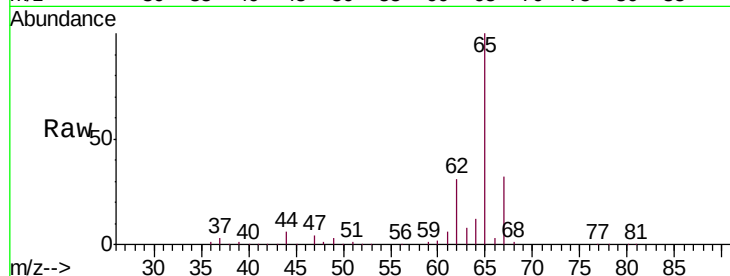
F2C06

Tgt Ion: 62 Resp: 34780

Ion Ratio Lower Upper

62 100

64 38.9 23.3 43.3



#8

Chloroethane

Concen: 4.536 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.29 min

Lab File: VU033881.D

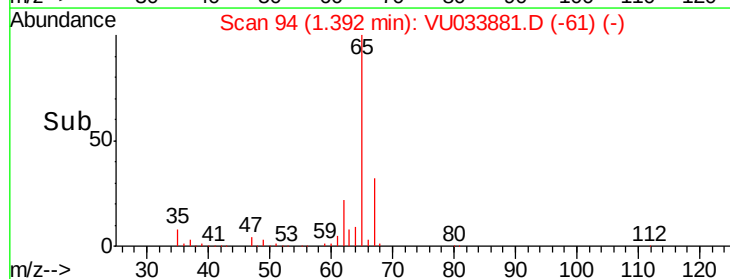
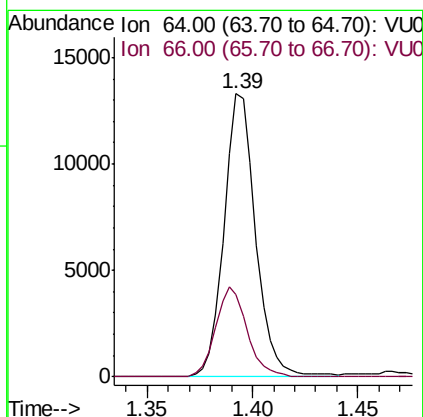
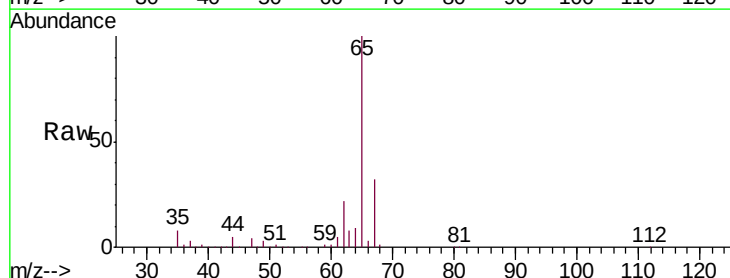
Acq: 21 Aug 2019 18:58

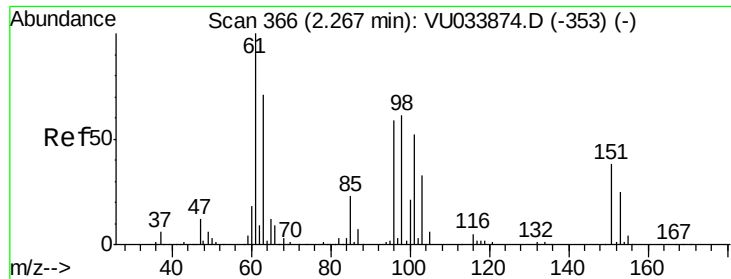
Tgt Ion: 64 Resp: 13825

Ion Ratio Lower Upper

64 100

66 29.2 23.9 44.3

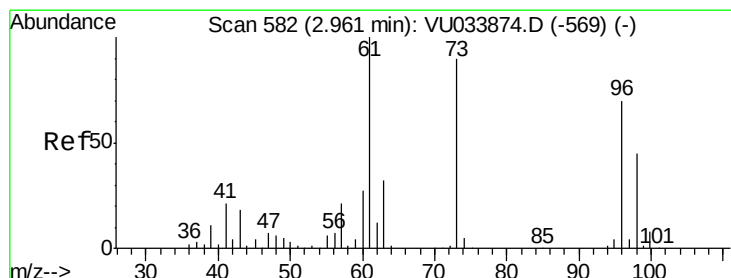
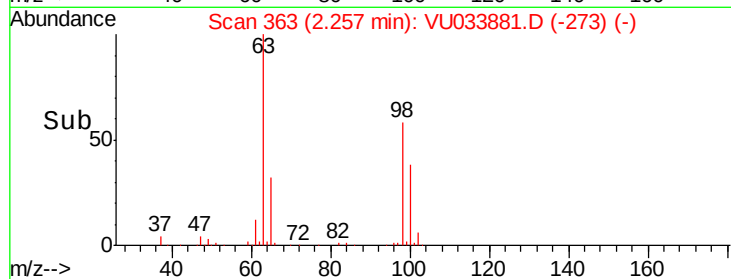
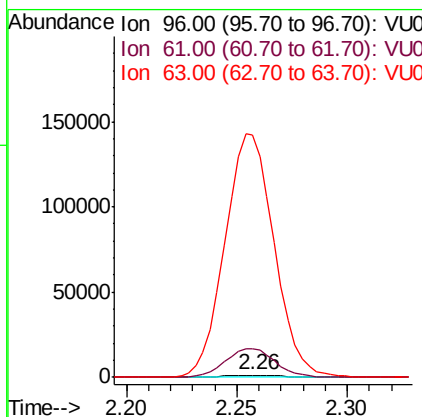
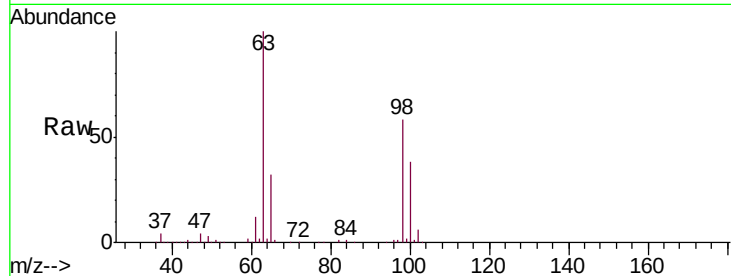




#12
 1,1-Dichloroethene
 Concen: 0.895 ug/L
 RT: 2.26 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VU033881.D
 Acq: 21 Aug 2019 18:58

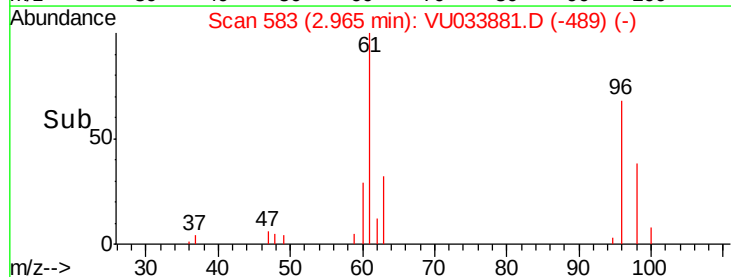
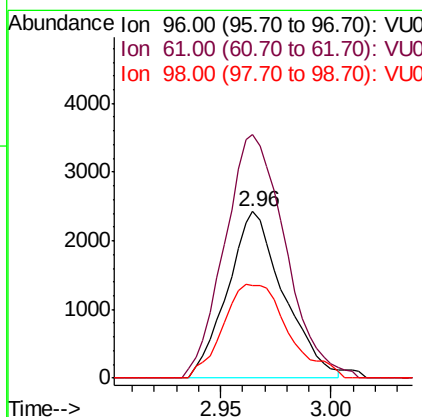
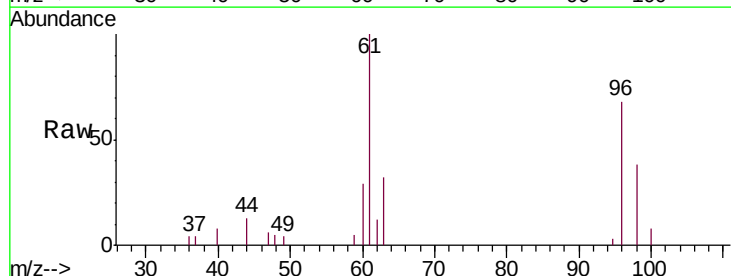
Instrument :
 MSVOA_U
 ClientSampleId :
 F2C06

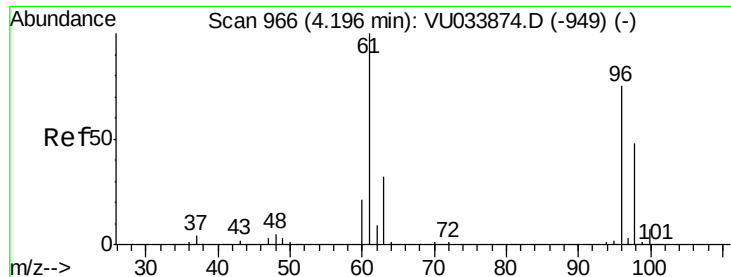
Tgt Ion: 96 Resp: 2424
 Ion Ratio Lower Upper
 96 100
 61 1317.1 123.7 229.7#
 63 11006.0 91.2 169.4#



#17
 trans-1,2-Dichloroethene
 Concen: 1.518 ug/L
 RT: 2.96 min Scan# 583
 Delta R.T. 0.00 min
 Lab File: VU033881.D
 Acq: 21 Aug 2019 18:58

Tgt Ion: 96 Resp: 4285
 Ion Ratio Lower Upper
 96 100
 61 146.2 98.6 183.2
 98 55.8 43.8 81.3

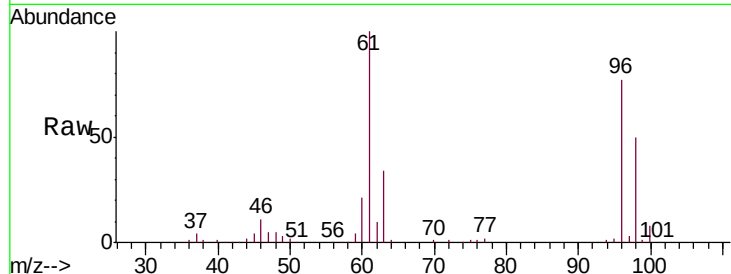




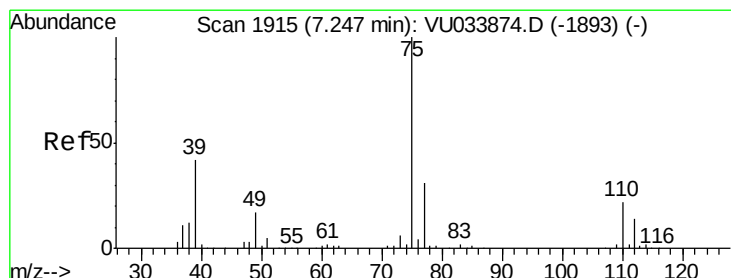
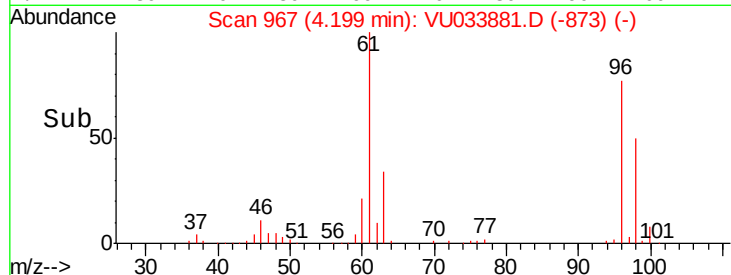
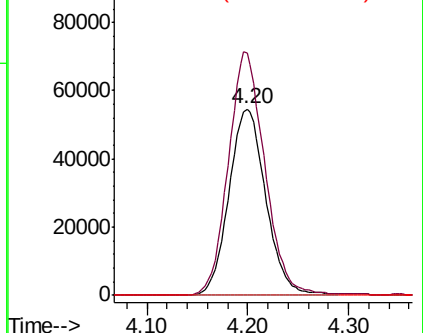
#20
 cis-1,2-Dichloroethene
 Concen: 45.503 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033881.D
 Acq: 21 Aug 2019 18:58

Instrument :
 MSVOA_U
 ClientSampleId :
 F2C06

Tgt Ion: 96 Resp: 138923
 Ion Ratio Lower Upper
 96 100
 61 130.0 88.2 163.8
 68 0.0 0.0 0.0

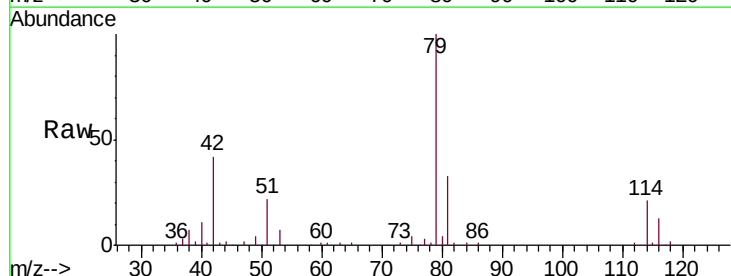


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

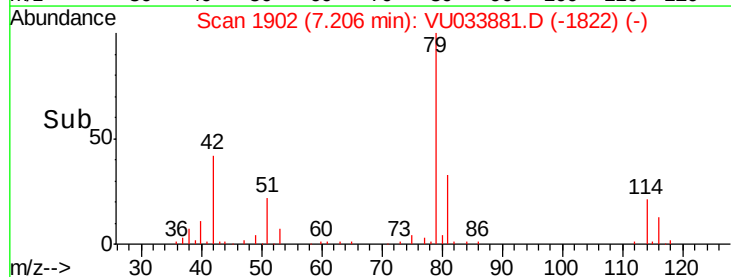
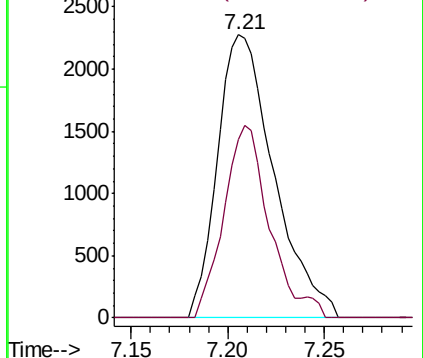


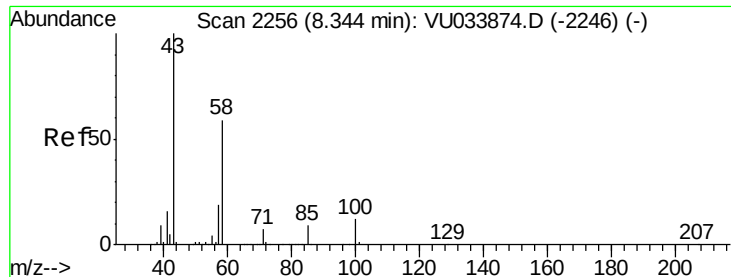
#39
 cis-1,3-Dichloropropene
 Concen: 0.960 ug/L
 RT: 7.21 min Scan# 1902
 Delta R.T. -0.04 min
 Lab File: VU033881.D
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Tgt Ion: 75 Resp: 4611
 Ion Ratio Lower Upper
 75 100
 77 63.1 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

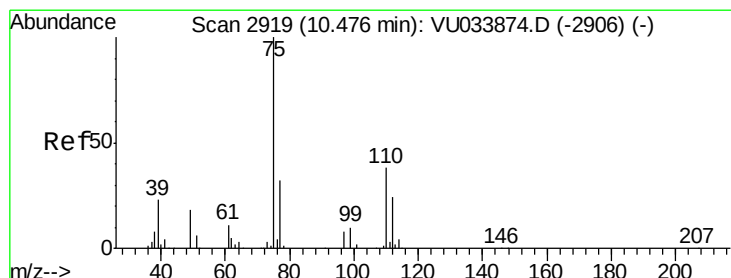
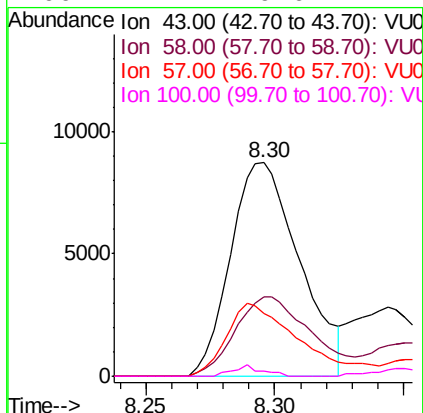
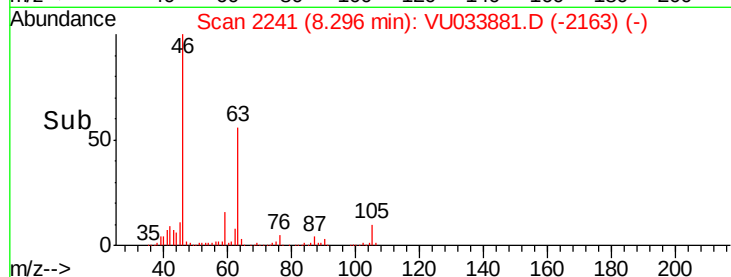
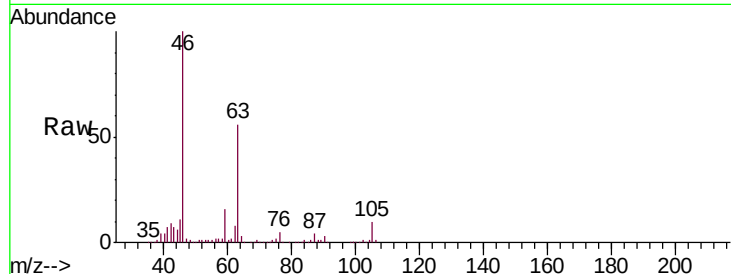




#48
 2-Hexanone
 Concen: 5.366 ug/L
 RT: 8.30 min Scan# 2241
 Delta R.T. -0.05 min
 Lab File: VU033881.D
 Acq: 21 Aug 2019 18:58

Instrument :
 MSVOA_U
 ClientSampled :
 F2C06

Tgt Ion:	43	Resp:	16282
Ion	Ratio	Lower	Upper
43	100		
58	41.2	45.0	67.4#
57	34.7	15.4	23.0#
100	2.1	9.6	14.4#



#59
 1,2,3-Trichloropropane
 Concen: 4.831 ug/L
 RT: 11.47 min Scan# 3227
 Delta R.T. 0.99 min
 Lab File: VU033881.D
 Acq: 21 Aug 2019 18:58

Tgt Ion:	75	Resp:	19292
Ion	Ratio	Lower	Upper
75	100		
77	37.4	26.0	39.0

