

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080719\
 Data File : VU033619.D
 Acq On : 07 Aug 2019 16:08
 Operator : JC/SP
 Sample : K4202-02 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B01

Quant Time: Aug 08 03:17:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 08 03:14:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	312814	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	312436	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	142245	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	98627	49.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.66%
7) Chloroethane-d5	1.67	69	91863	41.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.46%
11) 1,1-Dichloroethene-d2	2.26	63	130092	33.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.22%
21) 2-Butanone-d5	4.15	46	188634	116.47	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.47%
24) Chloroform-d	4.62	84	189732	49.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.72%
26) 1,2-Dichloroethane-d4	5.29	65	127628	53.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.36%
32) Benzene-d6	5.32	84	363666	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.18%
36) 1,2-Dichloropropane-d6	6.31	67	125859	51.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.94%
41) Toluene-d8	7.55	98	308063	43.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.66%
43) trans-1,3-Dichloropropene-	7.83	79	56206	46.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.42%
47) 2-Hexanone-d5	8.30	63	128450	107.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.40%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	197493	52.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.54%
64) 1,2-Dichlorobenzene-d4	11.85	152	138222	54.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.22%

Target Compounds

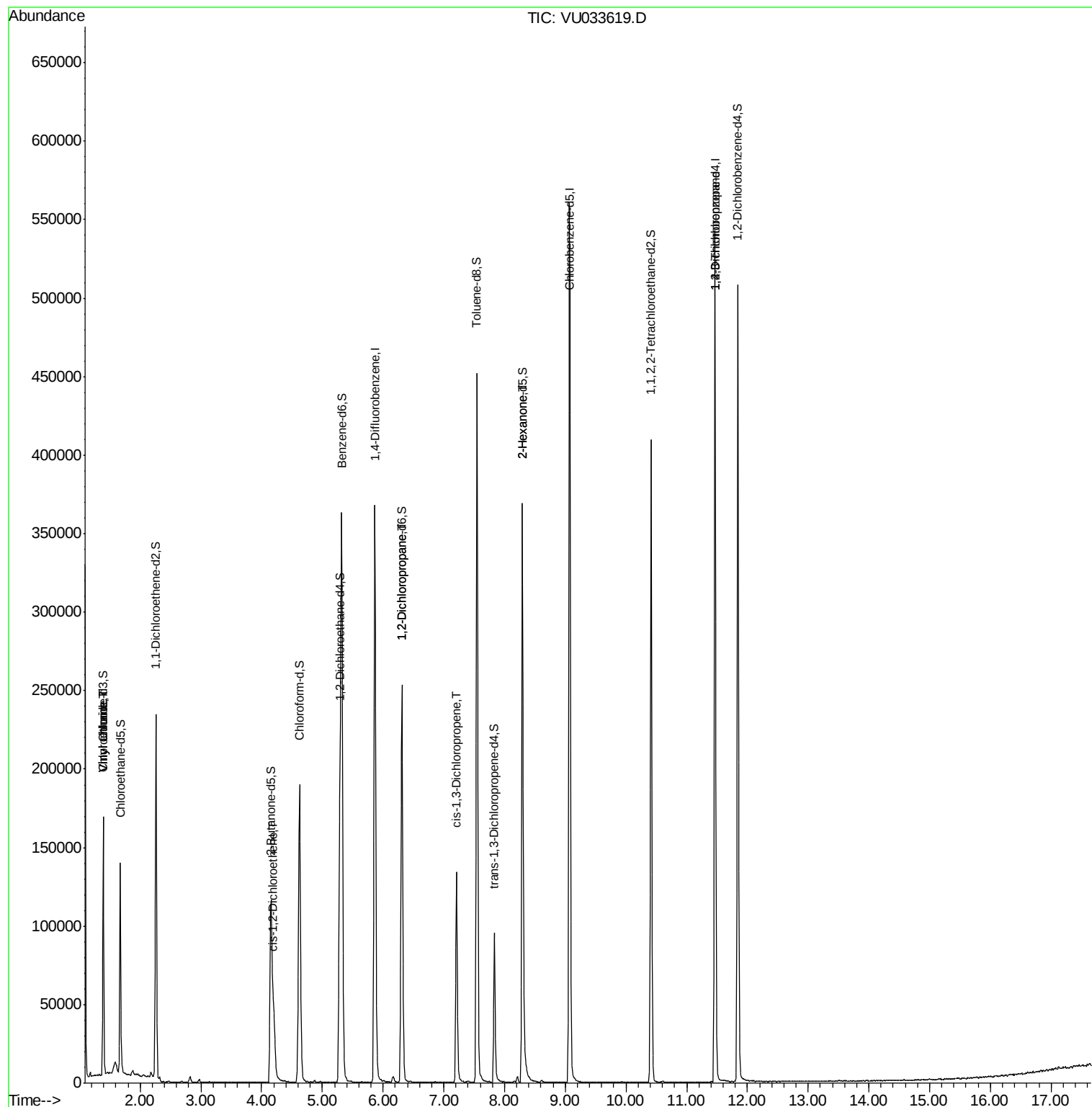
					Qvalue
5) Vinyl chloride	1.40	62	15977	5.037 ug/L	83
8) Chloroethane	1.40	64	9462	3.793 ug/L	100
20) cis-1,2-Dichloroethene	4.20	96	18336	7.627 ug/L	89
37) 1,2-Dichloropropane	6.31	63	13362	5.260 ug/L #	89
39) cis-1,3-Dichloropropene	7.21	75	3557	0.921 ug/L #	78
48) 2-Hexanone	8.30	43	14906	5.135 ug/L #	73
59) 1,2,3-Trichloropropane	11.47	75	16595	4.988 ug/L	92

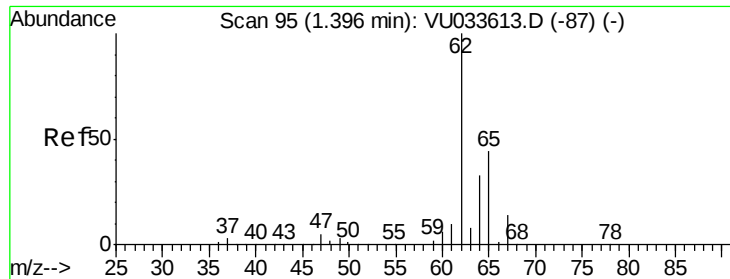
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 08 03:14:38 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.037 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033619.D

Acq: 07 Aug 2019 16:08

Instrument :

MSVOA_U

ClientSampleId :

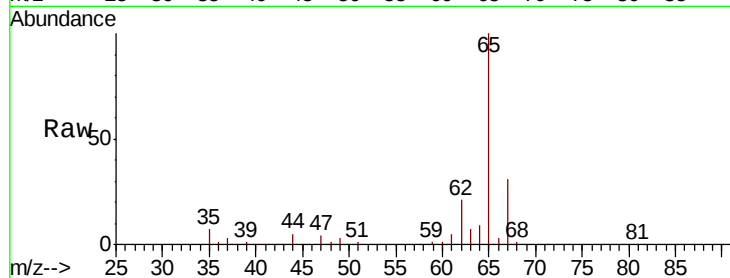
F2B01

Tgt Ion: 62 Resp: 15977

Ion Ratio Lower Upper

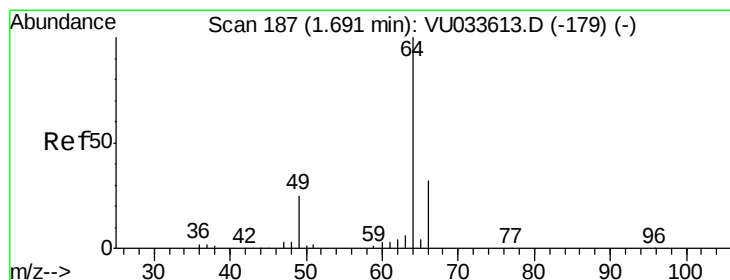
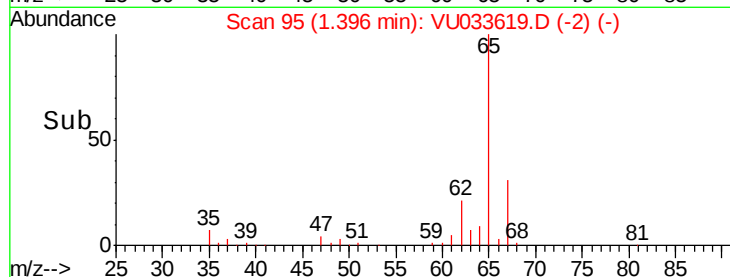
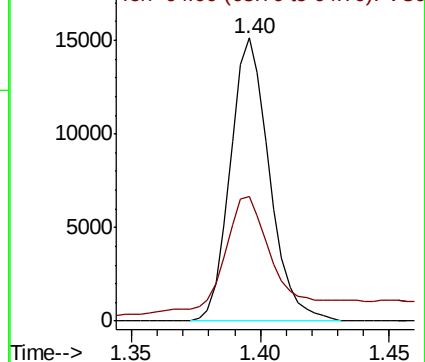
62 100

64 44.0 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#8

Chloroethane

Concen: 3.793 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU033619.D

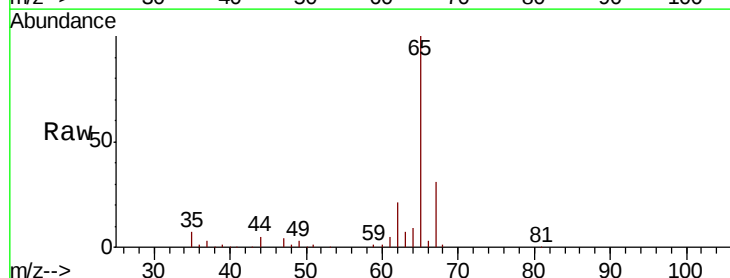
Acq: 07 Aug 2019 16:08

Tgt Ion: 64 Resp: 9462

Ion Ratio Lower Upper

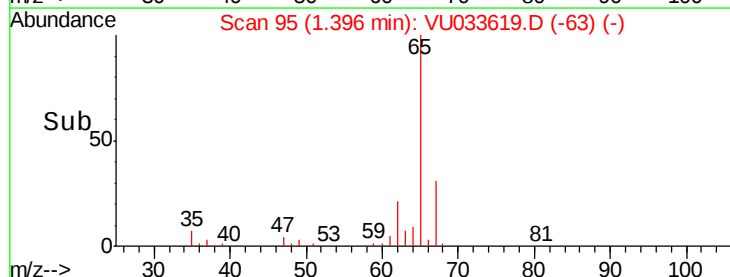
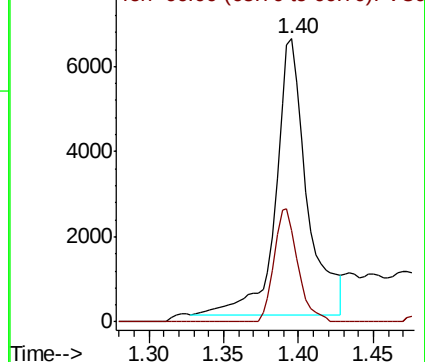
64 100

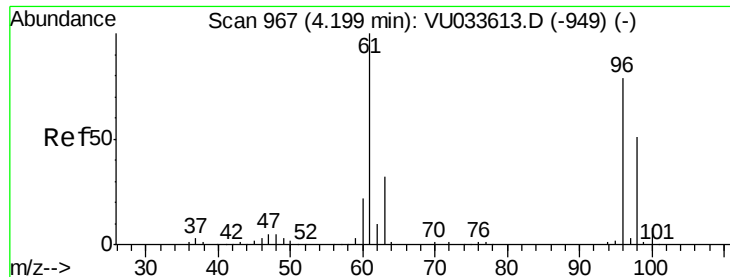
66 32.5 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

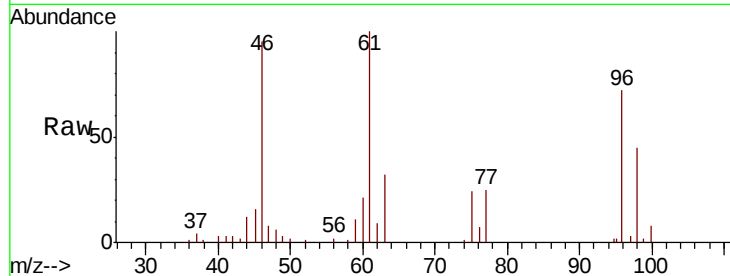




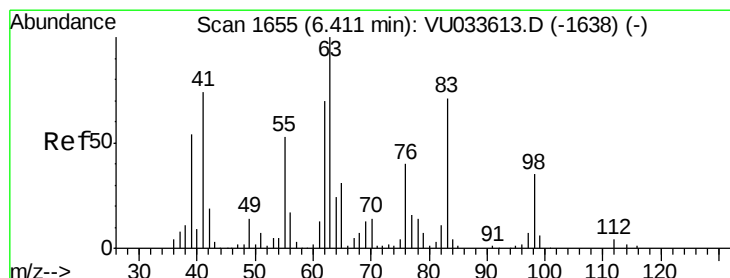
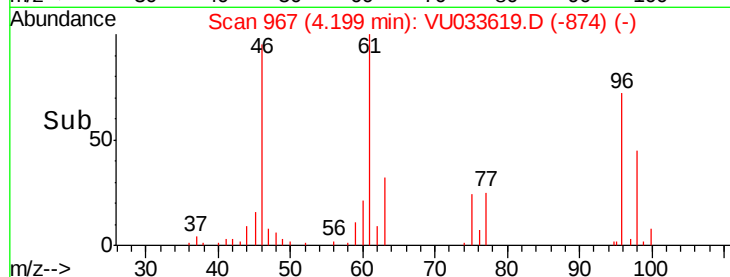
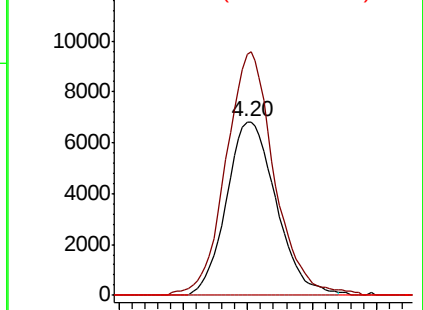
#20
 cis-1,2-Dichloroethene
 Concen: 7.627 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU033619.D
 Acq: 07 Aug 2019 16:08

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B01

Tgt Ion: 96 Resp: 18336
 Ion Ratio Lower Upper
 96 100
 61 138.8 88.2 163.8
 68 0.0 0.0 0.0

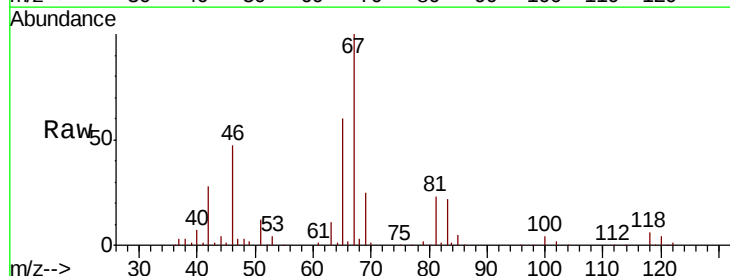


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

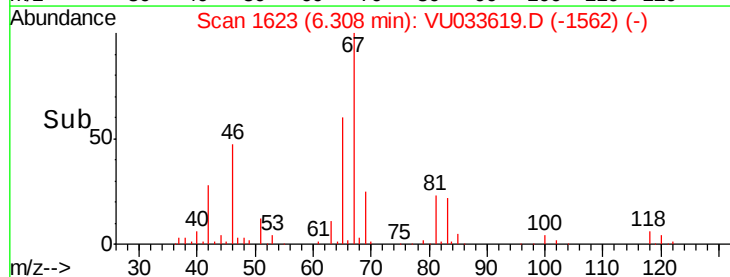
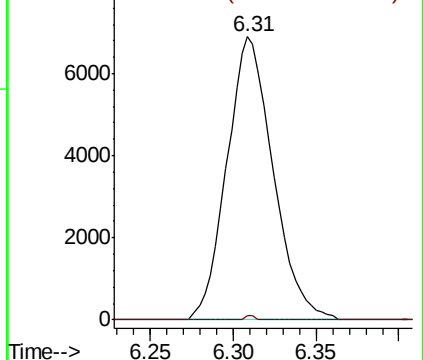


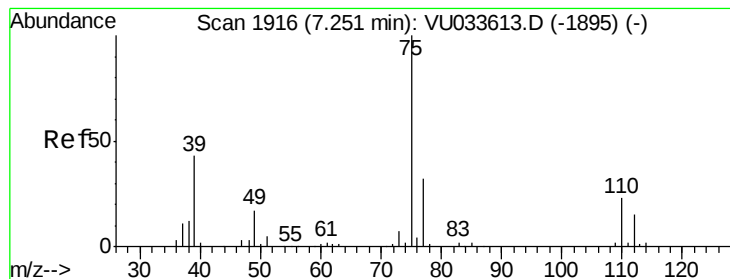
#37
 1,2-Dichloropropane
 Concen: 5.260 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.10 min
 Lab File: VU033619.D
 Acq: 07 Aug 2019 16:08

Tgt Ion: 63 Resp: 13362
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 112.00 (111.70 to 112.70): V



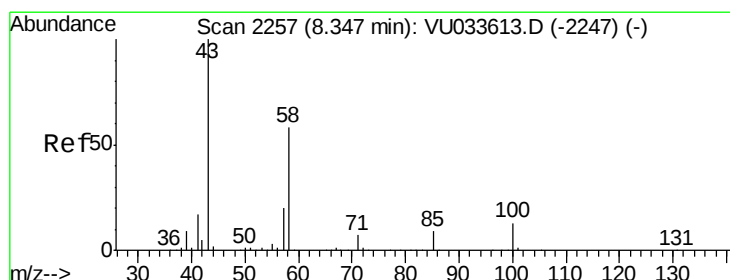
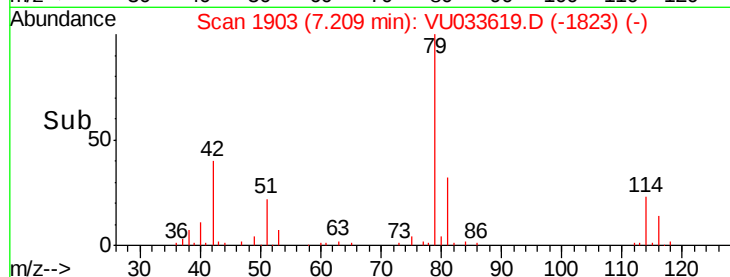
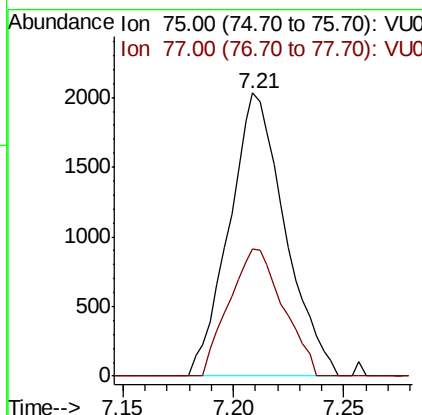
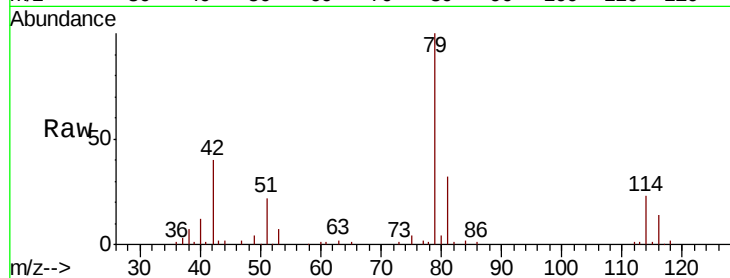


#39

cis-1,3-Dichloropropene
 Concen: 0.921 ug/L
 RT: 7.21 min Scan# 1903
 Delta R.T. -0.04 min
 Lab File: VU033619.D
 Acq: 07 Aug 2019 16:08

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B01

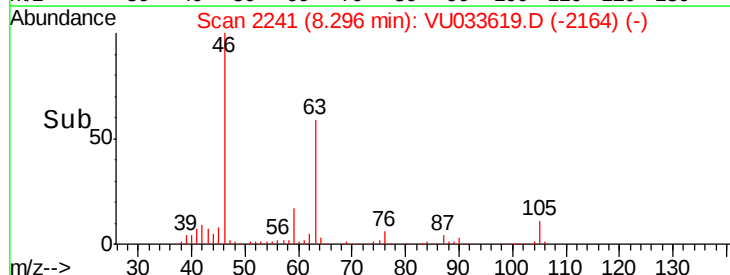
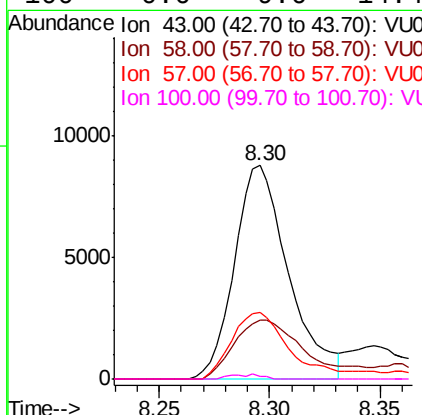
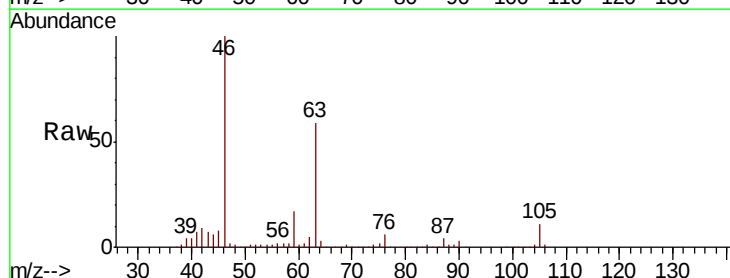
Tgt Ion: 75 Resp: 3557
 Ion Ratio Lower Upper
 75 100
 77 44.9 22.7 42.3#

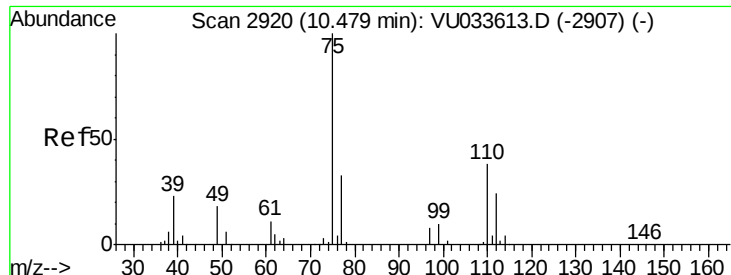


#48

2-Hexanone
 Concen: 5.135 ug/L
 RT: 8.30 min Scan# 2241
 Delta R.T. -0.05 min
 Lab File: VU033619.D
 Acq: 07 Aug 2019 16:08

Tgt Ion: 43 Resp: 14906
 Ion Ratio Lower Upper
 43 100
 58 37.3 45.2 67.8#
 57 32.9 15.4 23.2#
 100 0.6 9.6 14.4#





#59

1,2,3-Trichloropropane

Concen: 4.988 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033619.D

Acq: 07 Aug 2019 16:08

Instrument :

MSVOA_U

ClientSampleId :

F2B01

Tgt Ion: 75 Resp: 16595

Ion Ratio Lower Upper

75 100

77 36.6 25.7 38.5

