

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080619\
 Data File : VU033610.D
 Acq On : 06 Aug 2019 15:46
 Operator : JC/SP
 Sample : K4187-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB9G7

Quant Time: Aug 07 05:31:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 07 05:27:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	308085	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	302836	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	137637	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	97013	49.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.54%
7) Chloroethane-d5	1.67	69	88643	40.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.78%
11) 1,1-Dichloroethene-d2	2.26	63	130386	34.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.40%
21) 2-Butanone-d5	4.15	46	176144	110.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.43%
24) Chloroform-d	4.62	84	183842	49.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.10%
26) 1,2-Dichloroethane-d4	5.29	65	122643	51.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.78%
32) Benzene-d6	5.32	84	357660	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.58%
36) 1,2-Dichloropropane-d6	6.31	67	120700	50.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.84%
41) Toluene-d8	7.55	98	301026	43.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.36%
43) trans-1,3-Dichloropropene-	7.83	79	52865	44.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.68%
47) 2-Hexanone-d5	8.29	63	120852	104.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.25%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	191442	52.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.54%
64) 1,2-Dichlorobenzene-d4	11.85	152	131806	53.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.66%

Target Compounds

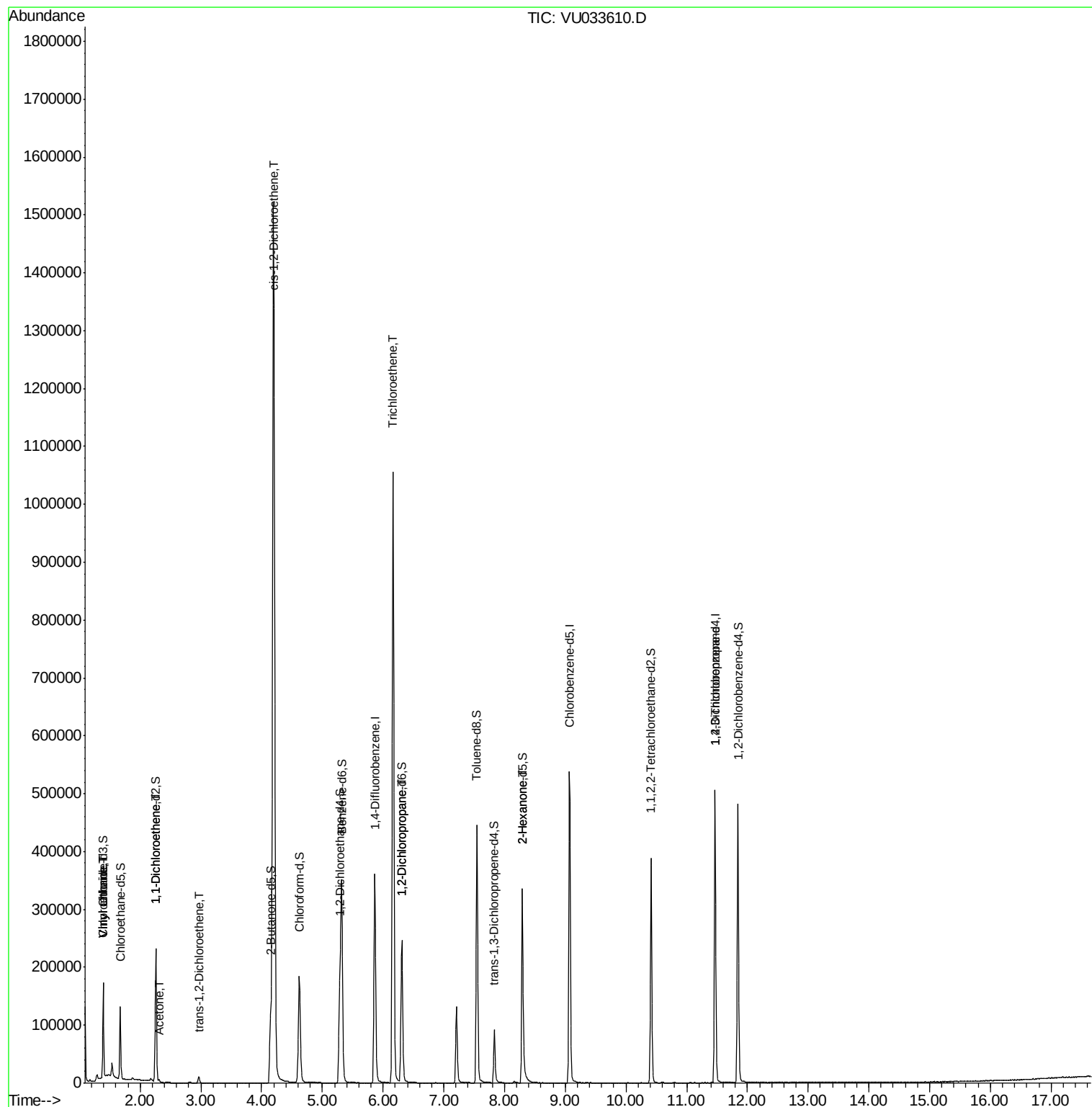
					Qvalue
5) Vinyl chloride	1.40	62	8593	2.751 ug/L #	1
8) Chloroethane	1.40	64	7203	2.932 ug/L	88
12) 1,1-Dichloroethene	2.27	96	2285	1.136 ug/L #	1
13) Acetone	2.31	43	3210	2.020 ug/L	92
17) trans-1,2-Dichloroethene	2.96	96	4453	2.074 ug/L	94
20) cis-1,2-Dichloroethene	4.20	96	848870	358.498 ug/L	97
34) Trichloroethene	6.16	95	365157	157.259 ug/L	98
37) 1,2-Dichloropropane	6.31	63	12764	5.184 ug/L #	88
48) 2-Hexanone	8.29	43	13447	4.779 ug/L #	67
59) 1,2,3-Trichloropropane	11.47	75	15649	4.853 ug/L #	88

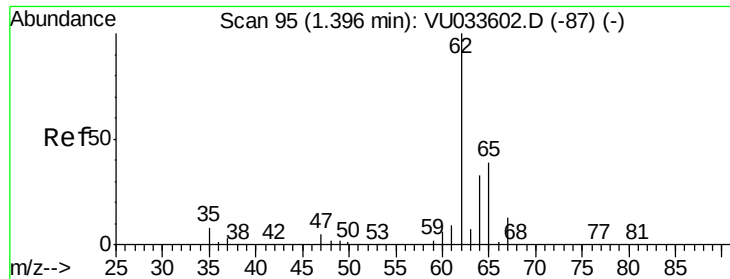
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.751 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033610.D

Acq: 06 Aug 2019 15:46

Instrument :

MSVOA_U

ClientSampleId :

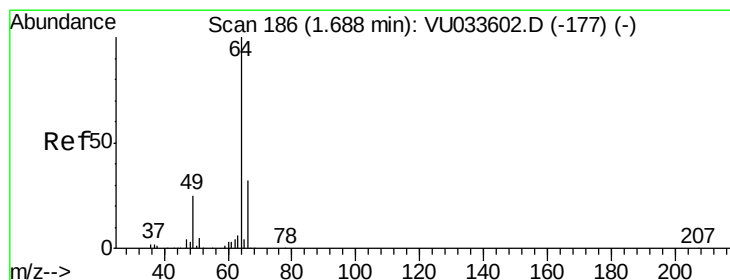
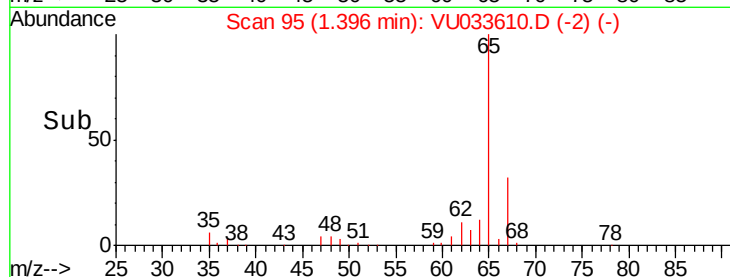
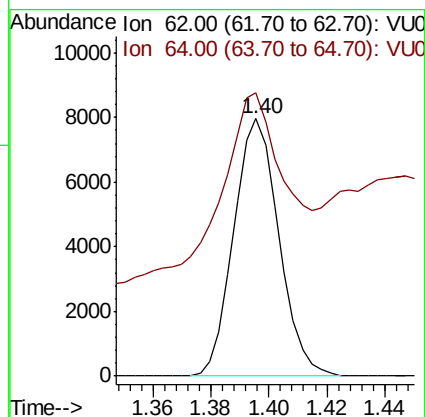
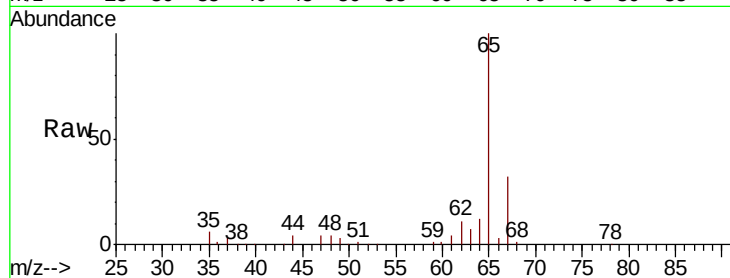
DB9G7

Tgt Ion: 62 Resp: 8593

Ion Ratio Lower Upper

62 100

64 110.0 23.8 44.2#



#8

Chloroethane

Concen: 2.932 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.29 min

Lab File: VU033610.D

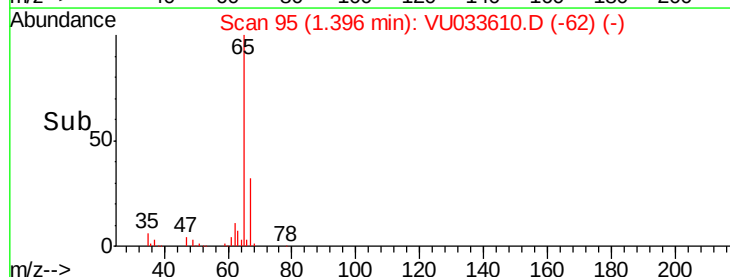
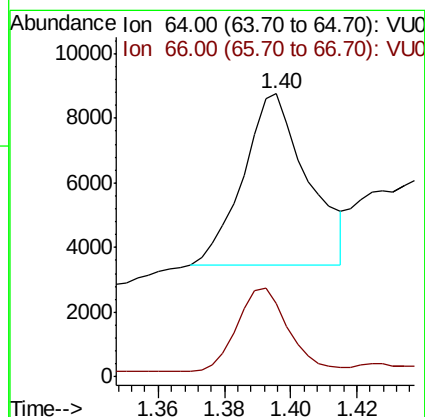
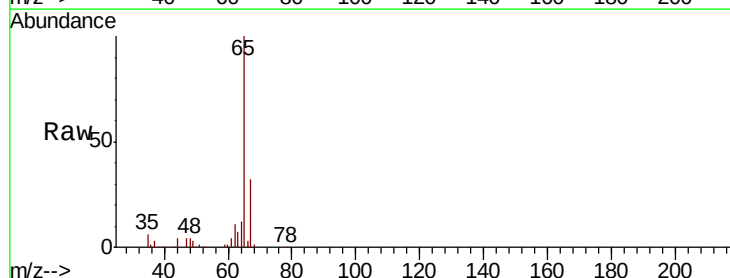
Acq: 06 Aug 2019 15:46

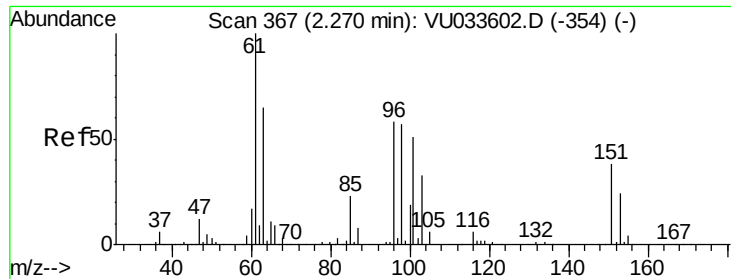
Tgt Ion: 64 Resp: 7203

Ion Ratio Lower Upper

64 100

66 25.9 22.9 42.5





#12

1,1-Dichloroethene

Concen: 1.136 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033610.D

Acq: 06 Aug 2019 15:46

Instrument :

MSVOA_U

ClientSampleId :

DB9G7

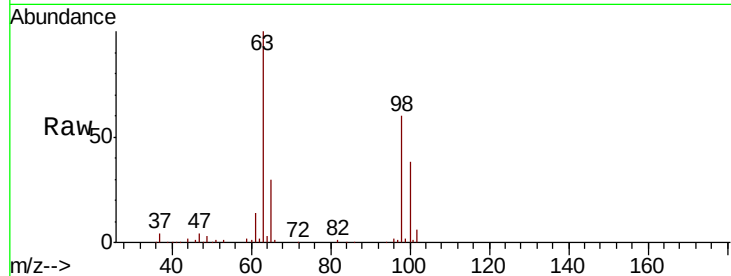
Tgt Ion: 96 Resp: 2285

Ion Ratio Lower Upper

96 100

61 645.6 119.1 221.3#

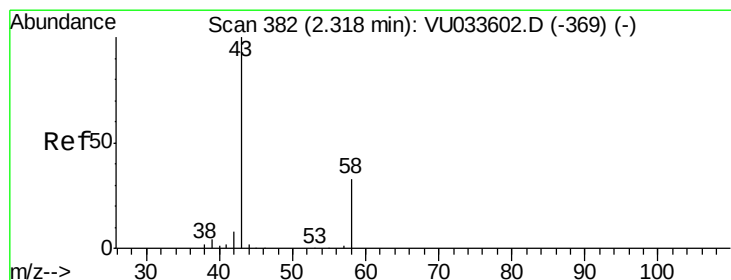
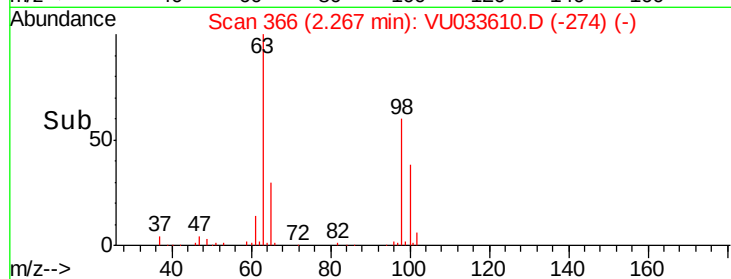
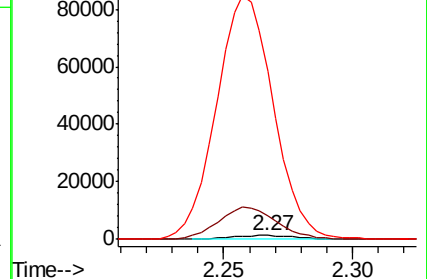
63 4519.1 77.9 144.7#



Abundance Ion 96.00 (95.70 to 96.70): VU033610.D (-274) (-)

Ion 61.00 (60.70 to 61.70): VU033610.D (-274) (-)

Ion 63.00 (62.70 to 63.70): VU033610.D (-274) (-)



#13

Acetone

Concen: 2.020 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

Lab File: VU033610.D

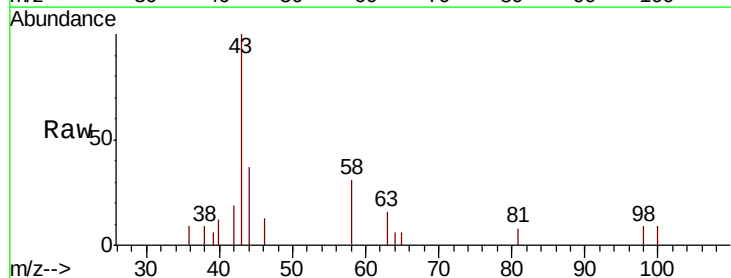
Acq: 06 Aug 2019 15:46

Tgt Ion: 43 Resp: 3210

Ion Ratio Lower Upper

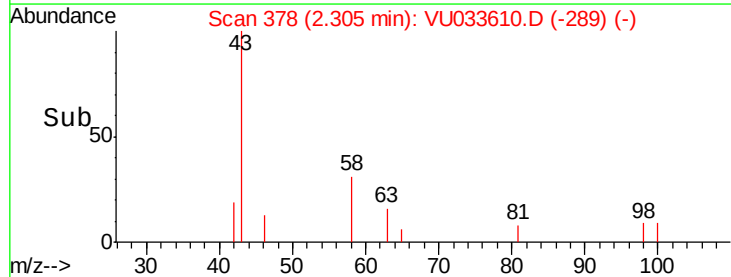
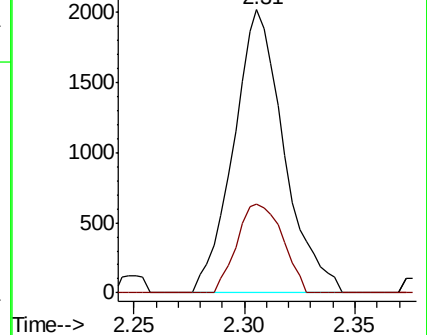
43 100

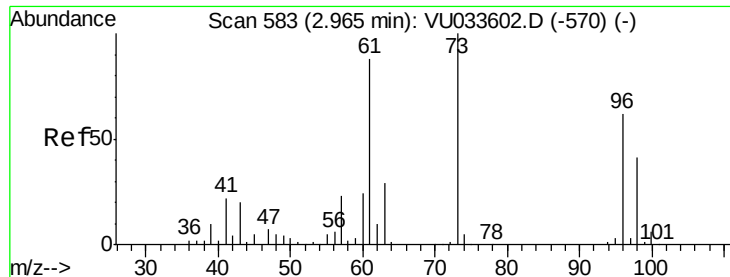
58 28.3 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033610.D (-289) (-)

Ion 58.00 (57.70 to 58.70): VU033610.D (-289) (-)





#17

trans-1,2-Dichloroethene

Concen: 2.074 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033610.D

Acq: 06 Aug 2019 15:46

Instrument :

MSVOA_U

ClientSampleId :

DB9G7

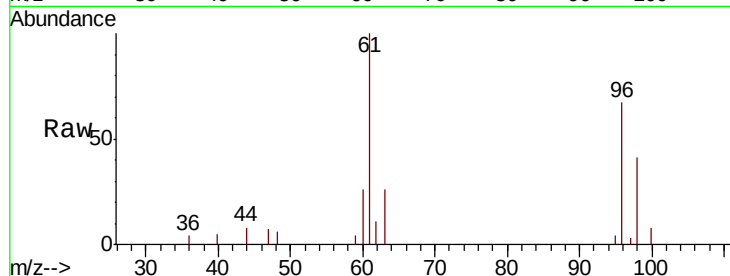
Tgt Ion: 96 Resp: 4453

Ion Ratio Lower Upper

96 100

61 149.7 98.8 183.4

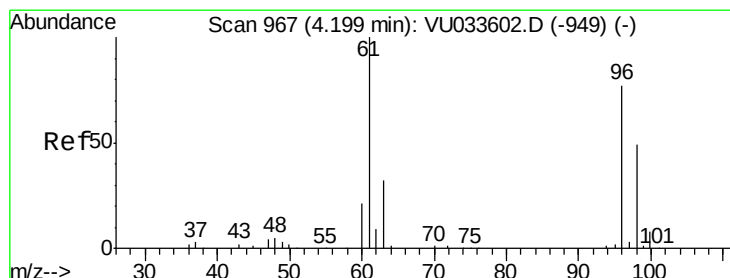
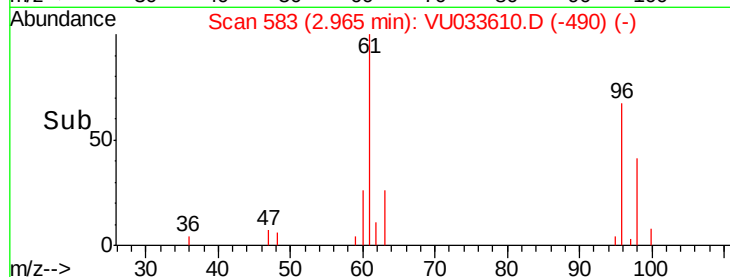
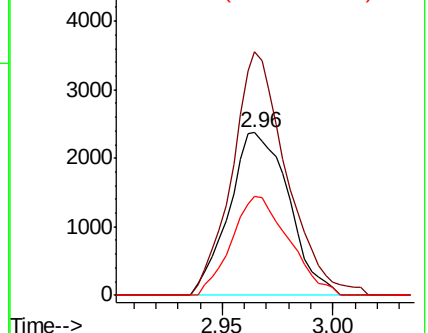
98 61.2 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU033610.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU033610.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU033610.D (-490) (-)



#20

cis-1,2-Dichloroethene

Concen: 358.498 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033610.D

Acq: 06 Aug 2019 15:46

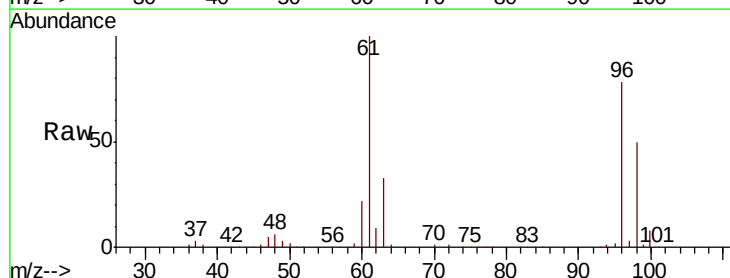
Tgt Ion: 96 Resp: 848870

Ion Ratio Lower Upper

96 100

61 128.9 88.2 163.8

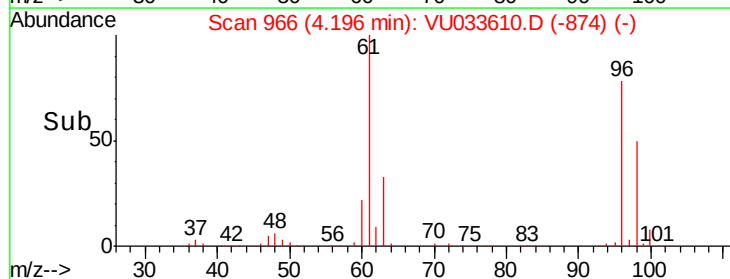
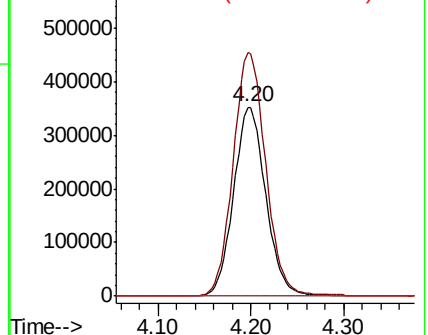
68 0.0 0.0 0.0

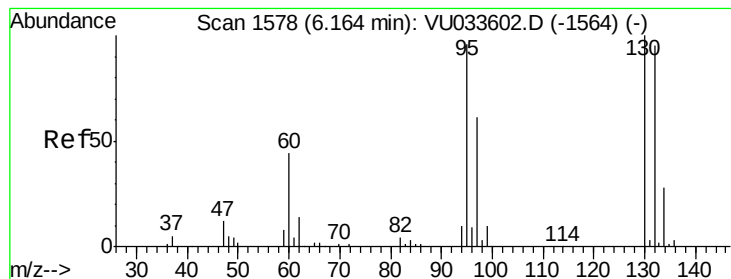


Abundance Ion 96.00 (95.70 to 96.70): VU033610.D (-874) (-)

Ion 61.00 (60.70 to 61.70): VU033610.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VU033610.D (-874) (-)





#34

Trichloroethene

Concen: 157.259 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033610.D

Acq: 06 Aug 2019 15:46

Instrument :

MSVOA_U

ClientSampled :

DB9G7

Tgt Ion: 95 Resp: 365157

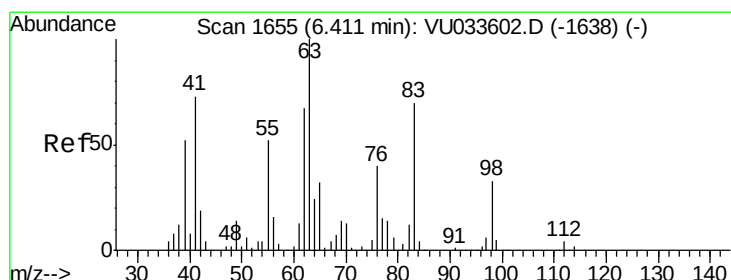
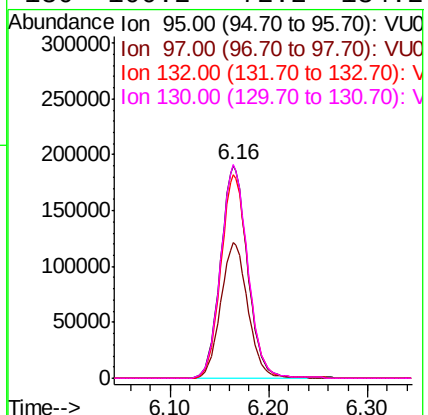
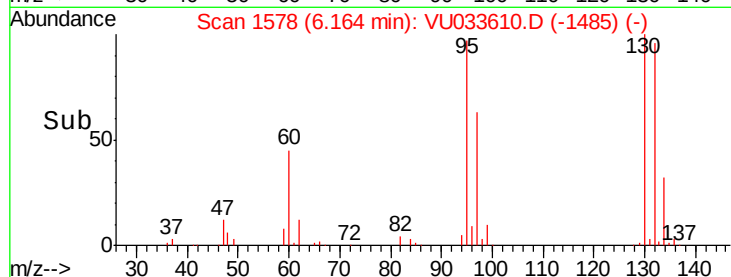
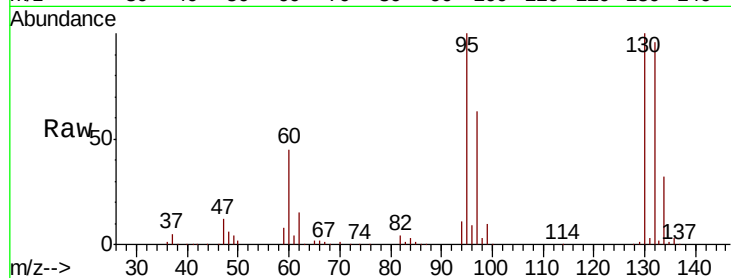
Ion Ratio Lower Upper

95 100

97 63.6 43.8 81.4

132 95.8 68.6 127.4

130 100.2 72.2 134.2



#37

1,2-Dichloropropane

Concen: 5.184 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.10 min

Lab File: VU033610.D

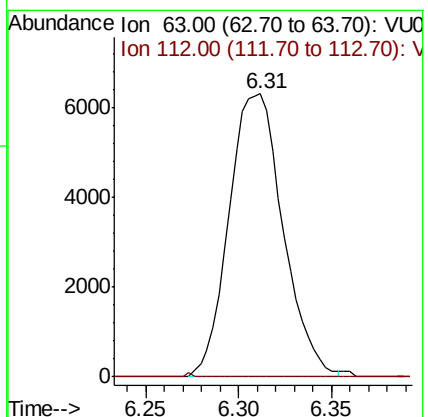
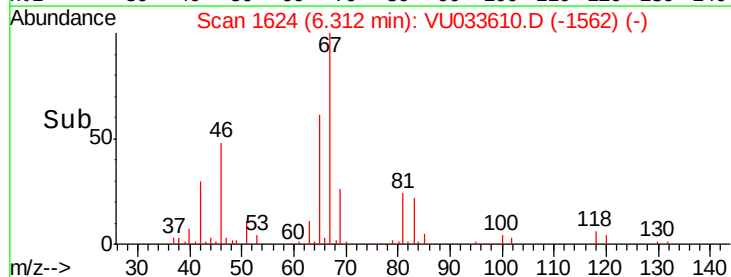
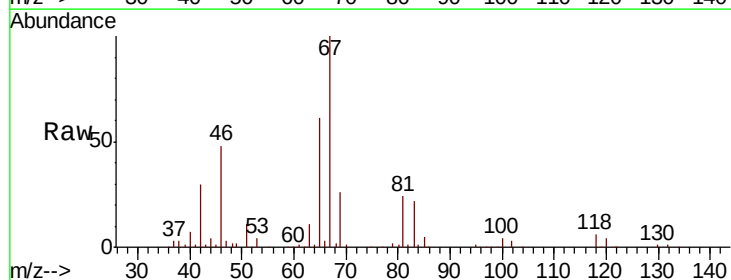
Acq: 06 Aug 2019 15:46

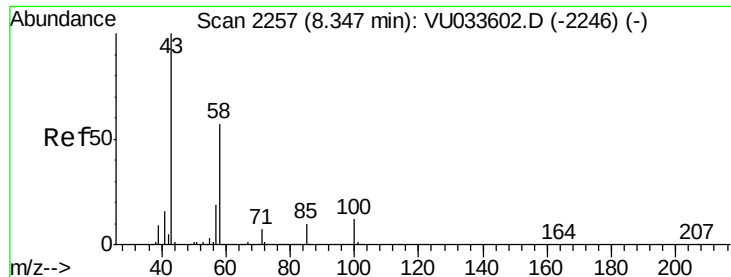
Tgt Ion: 63 Resp: 12764

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#

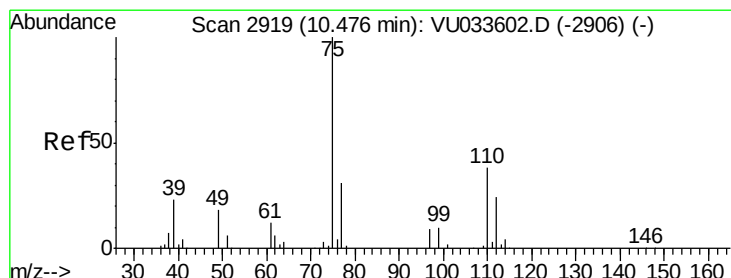
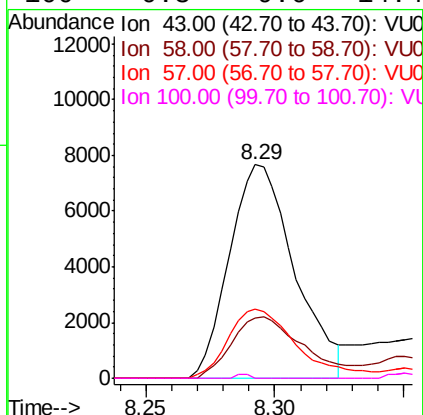
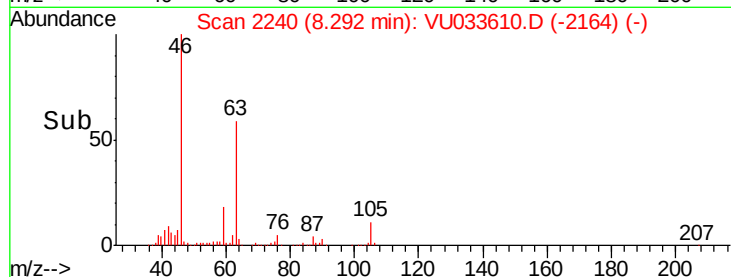
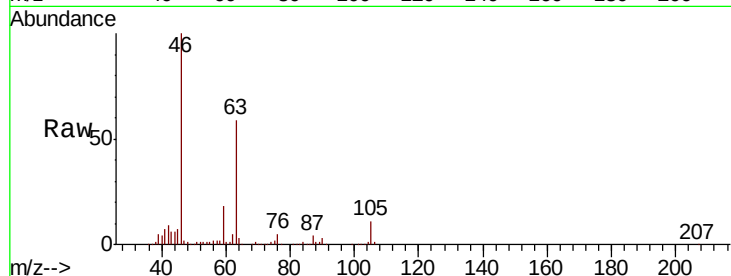




#48
2-Hexanone
Concen: 4.779 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.05 min
Lab File: VU033610.D
Acq: 06 Aug 2019 15:46

Instrument :
MSVOA_U
ClientSampleId :
DB9G7

Tgt Ion:	43	Resp:	13447
Ion	Ratio	Lower	Upper
43	100		
58	31.8	45.2	67.8#
57	34.4	15.4	23.2#
100	0.3	9.6	14.4#



#59
1,2,3-Trichloropropane
Concen: 4.853 ug/L
RT: 11.47 min Scan# 3227
Delta R.T. 0.99 min
Lab File: VU033610.D
Acq: 06 Aug 2019 15:46

Tgt Ion:	75	Resp:	15649
Ion	Ratio	Lower	Upper
75	100		
77	38.9	25.7	38.5#

