

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
 Data File : VU035246.D
 Acq On : 18 Oct 2019 06:03
 Operator : JC/SP
 Sample : K5419-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 18 07:34:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 07:32:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	349304	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	345495	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	131174	5.00	ug/L	0.00

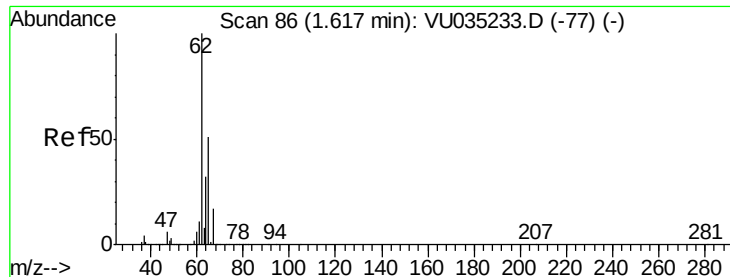
System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	115456	5.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.40%
7) Chloroethane-d5	1.94	69	99440	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.60	63	153347	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.80%
20) 2-Butanone-d5	4.71	46	285293	46.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.22%
24) Chloroform-d	5.11	84	183567	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.75	65	111951	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.77	84	405504	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.74	67	130202	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.93	98	390987	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
43) trans-1,3-Dichloropropene-	8.22	79	54714	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.70	63	239217	44.55	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.10%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	105086	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	12.23	152	122510	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	778950	25.720	ug/L	100
12) 1,1-Dichloroethene	2.61	96	7434	0.331	ug/L #	1
18) trans-1,2-Dichloroethene	3.39	96	51143	2.112	ug/L	97
19) 1,1-Dichloroethane	3.93	63	3620	0.083	ug/L #	96
22) cis-1,2-Dichloroethene	4.72	96	419634	15.677	ug/L	100
25) Chloroform	5.14	83	16968	0.353	ug/L	89
34) Trichloroethene	6.58	95	16843	0.616	ug/L	95
37) 1,2-Dichloropropane	6.74	63	14739	0.571	ug/L #	86
48) 2-Hexanone	8.70	43	22095	1.808	ug/L #	67
59) 1,2,3-Trichloropropane	11.85	75	16519	0.919	ug/L	94

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



#5

Vinyl chloride

Concen: 25.720 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VU035246.D

Acq: 18 Oct 2019 06:03

Instrument :

MSVOA_U

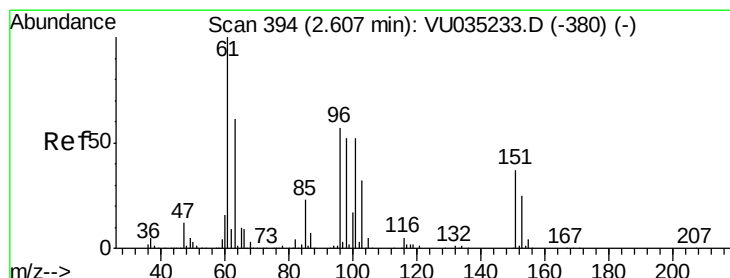
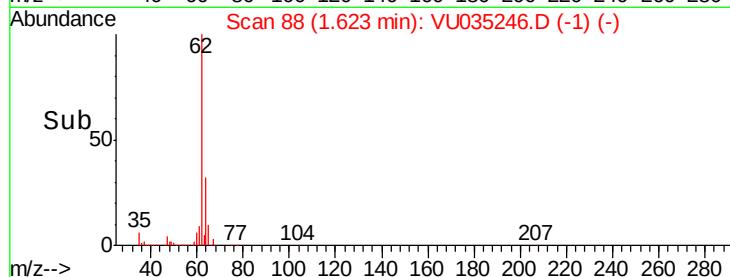
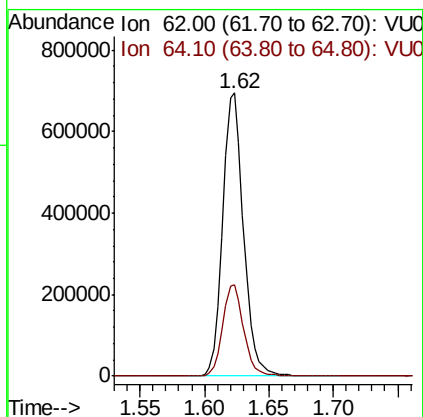
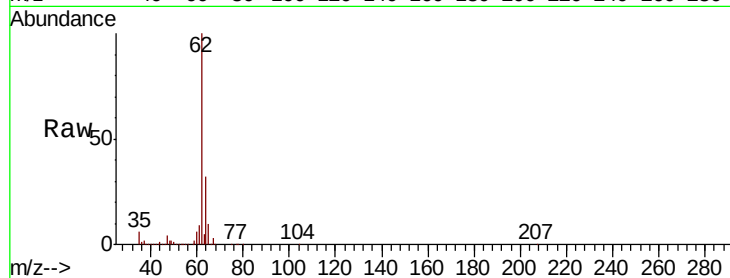
ClientSampleId :

Tot Ion: 62 Resp: 778950

Ion Ratio Lower Upper

62 100

64 32.5 22.9 42.5



#12

1,1-Dichloroethene

Concen: 0.331 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035246.D

Acq: 18 Oct 2019 06:03

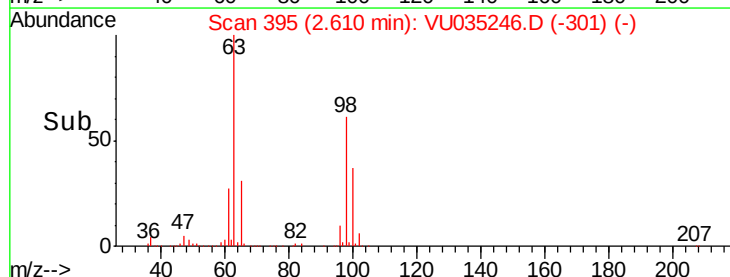
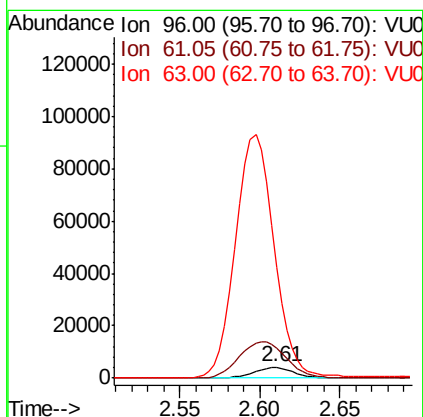
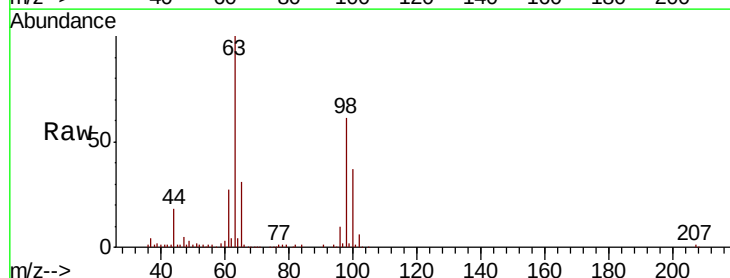
Tgt Ion: 96 Resp: 7434

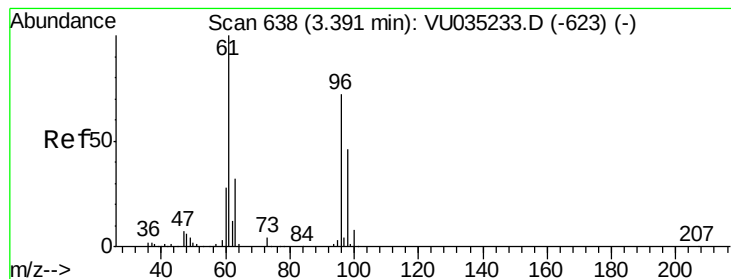
Ion Ratio Lower Upper

96 100

61 272.0 120.6 224.0#

63 1016.8 86.8 161.2#





#18

trans-1,2-Dichloroethene

Concen: 2.112 ug/L

RT: 3.39 min Scan# 639

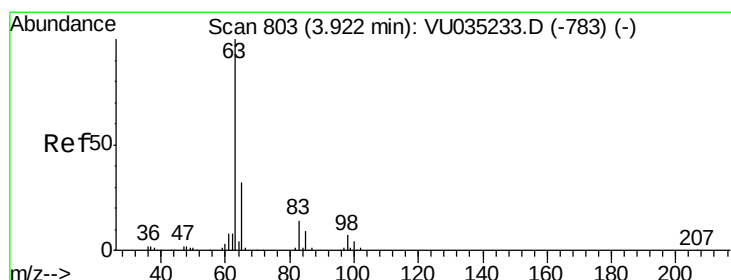
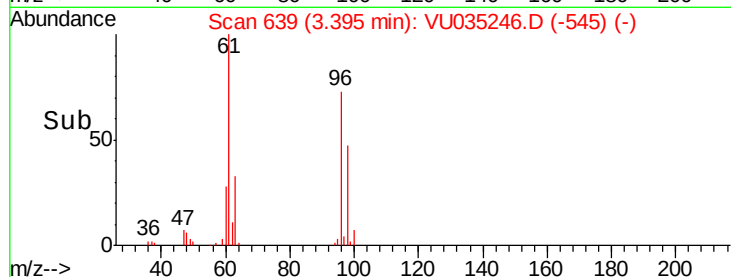
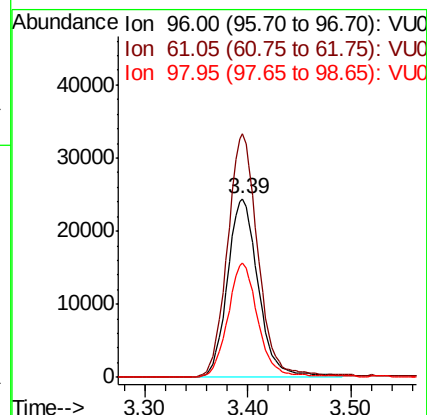
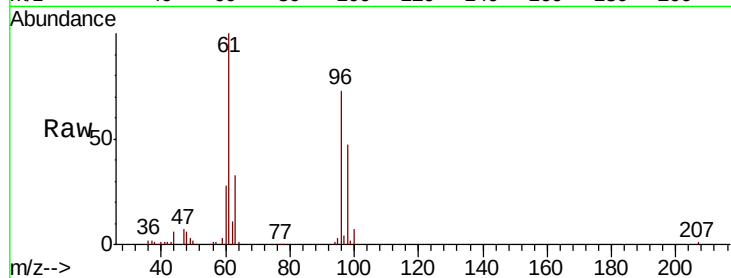
Delta R.T. 0.00 min

Lab File: VU035246.D

Acq: 18 Oct 2019 06:03

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	96	Resp:	51143
Ion	Ratio	Lower	Upper
96	100		
61	136.3	93.0	172.6
98	63.8	43.7	81.1



#19

1,1-Dichloroethane

Concen: 0.083 ug/L

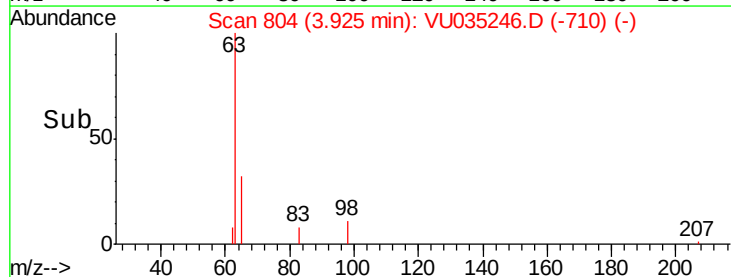
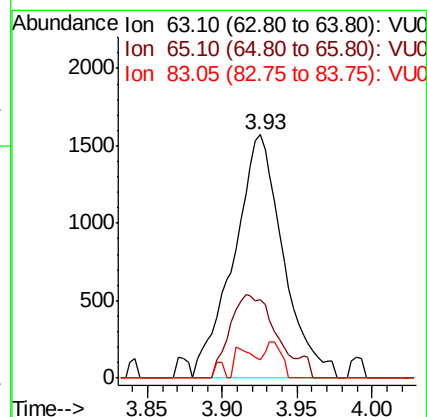
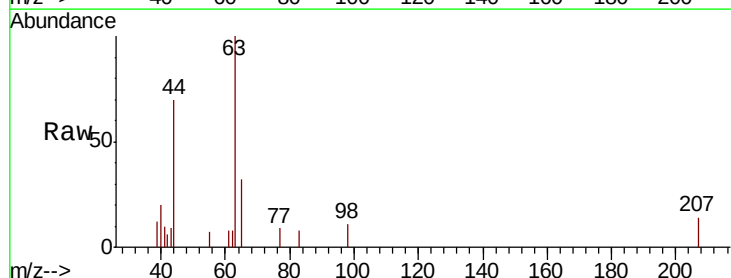
RT: 3.93 min Scan# 804

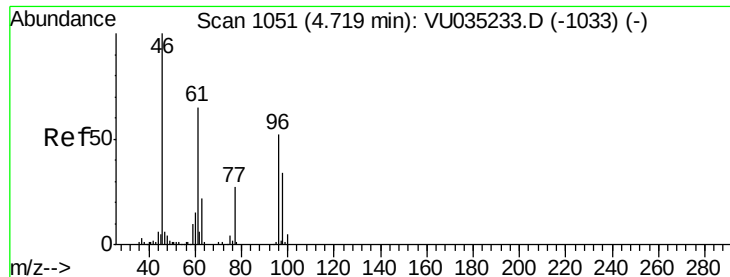
Delta R.T. 0.00 min

Lab File: VU035246.D

Acq: 18 Oct 2019 06:03

Tgt Ion:	63	Resp:	3620
Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.4	41.6
83	7.8	9.3	17.3#





#22

cis-1,2-Dichloroethene

Concen: 15.677 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VU035246.D

Acq: 18 Oct 2019 06:03

Instrument :

MSVOA_U

ClientSampled :

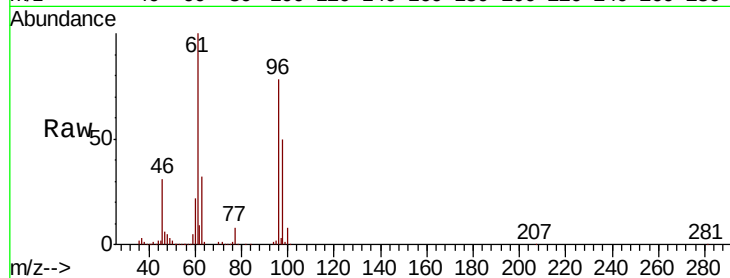
Tot Ion: 96 Resp: 419634

Ion Ratio Lower Upper

96 100

61 128.4 89.7 166.5

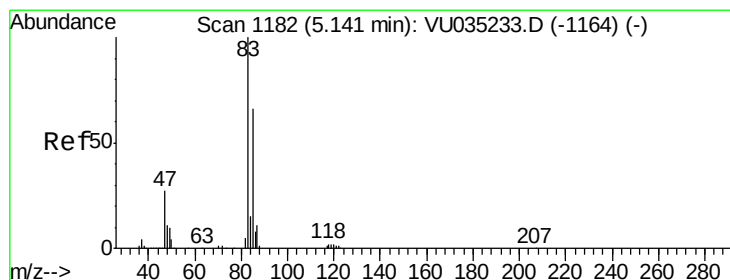
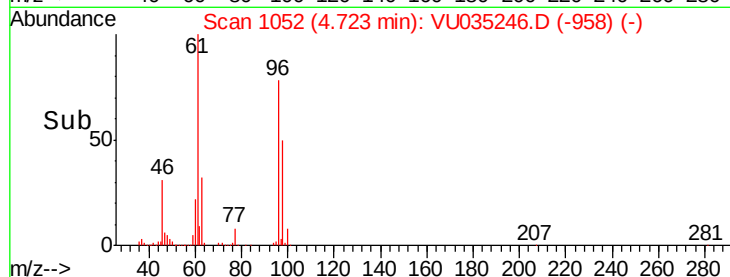
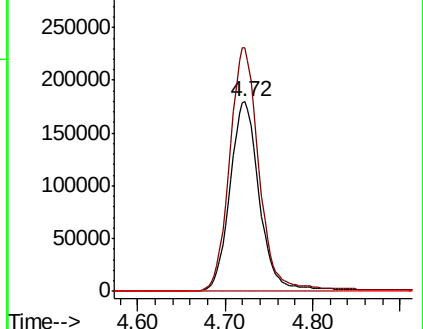
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035233.D (-1033) (-)

Ion 61.05 (60.75 to 61.75): VU035233.D (-1033) (-)

Ion 68.15 (67.85 to 68.85): VU035233.D (-1033) (-)



#25

Chloroform

Concen: 0.353 ug/L

RT: 5.14 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU035246.D

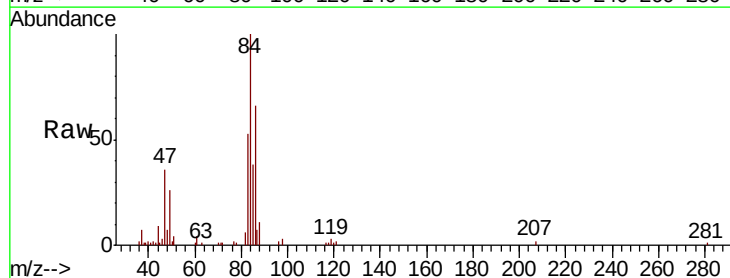
Acq: 18 Oct 2019 06:03

Tgt Ion: 83 Resp: 16968

Ion Ratio Lower Upper

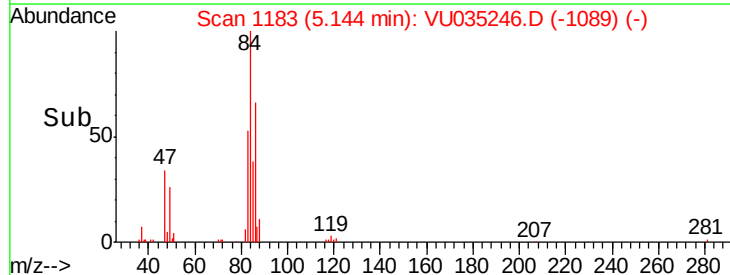
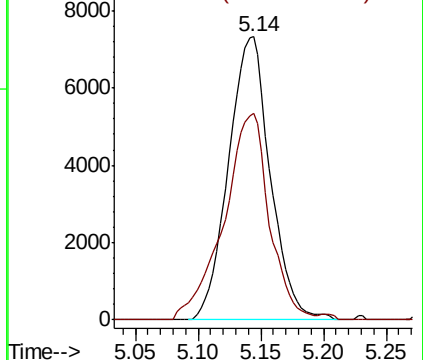
83 100

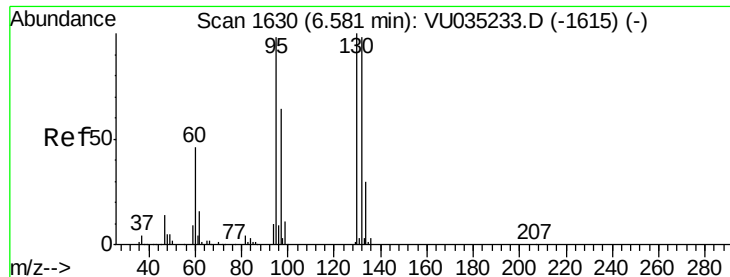
85 72.9 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU035233.D (-1164) (-)

Ion 85.00 (84.70 to 85.70): VU035233.D (-1164) (-)





#34

Trichloroethene

Concen: 0.616 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035246.D

Acq: 18 Oct 2019 06:03

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 16843

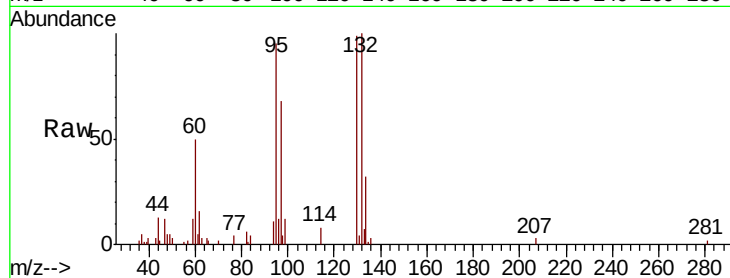
Ion Ratio Lower Upper

95 100

97 71.6 46.6 86.6

132 104.9 68.7 127.7

130 104.1 73.9 137.3

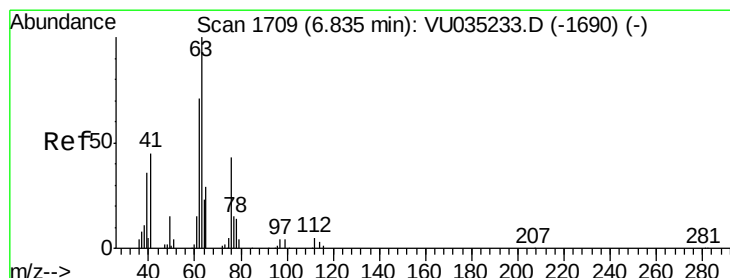
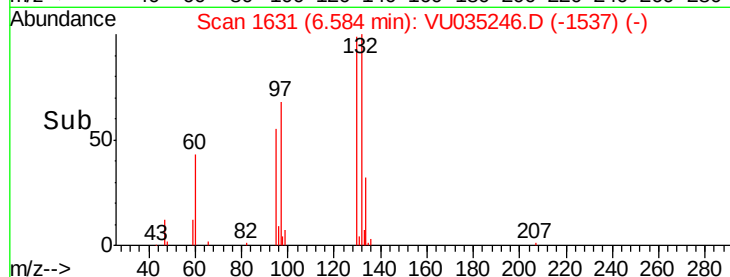
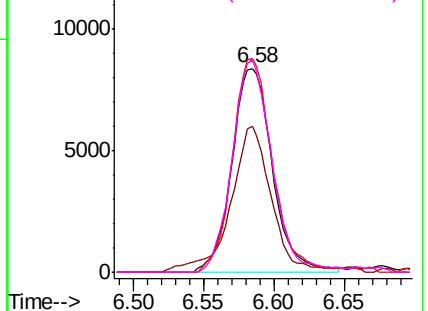


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#37

1,2-Dichloropropane

Concen: 0.571 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035246.D

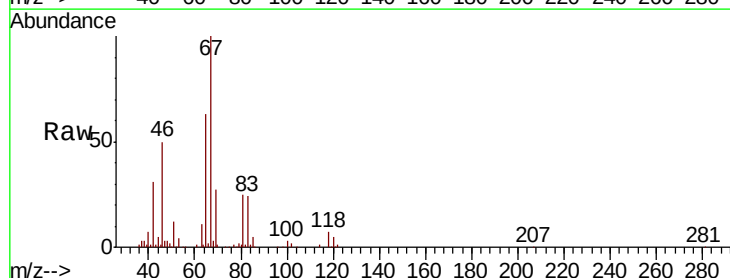
Acq: 18 Oct 2019 06:03

Tgt Ion: 63 Resp: 14739

Ion Ratio Lower Upper

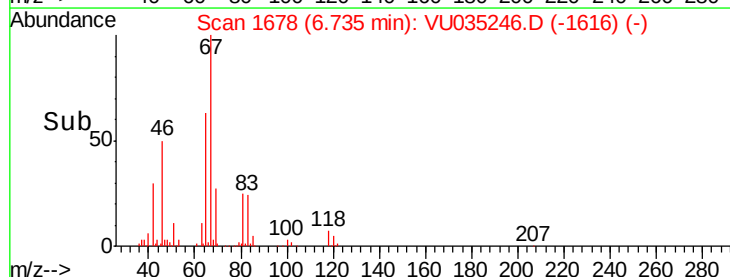
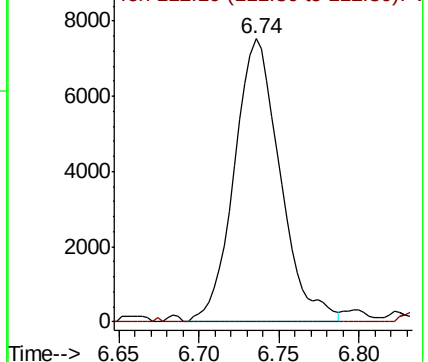
63 100

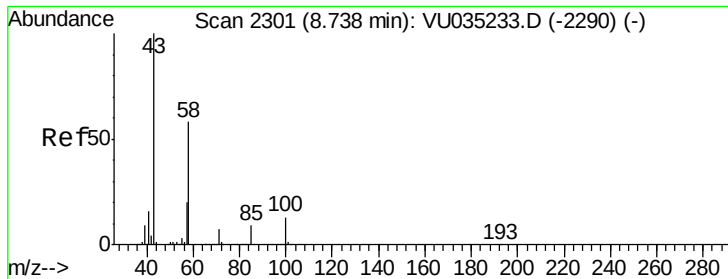
112 0.1 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

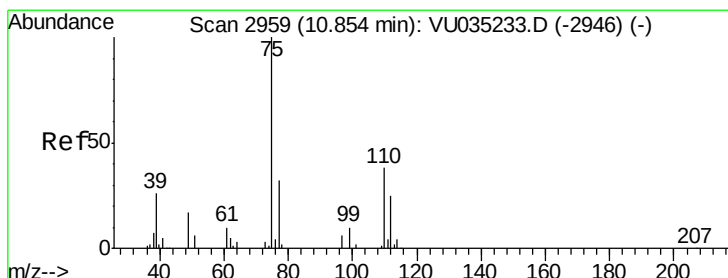
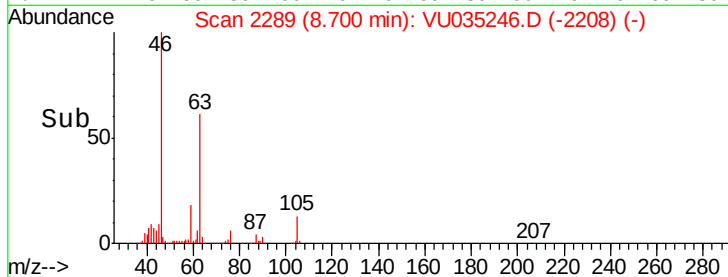
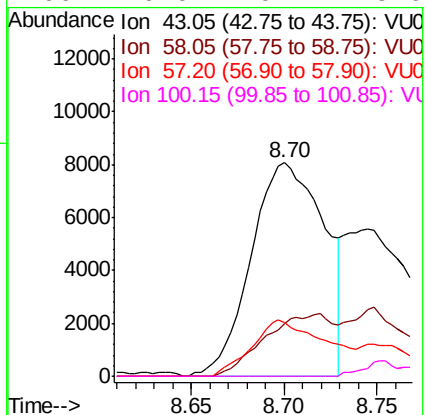
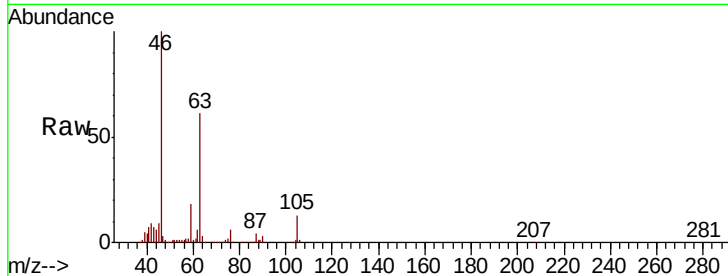




#48
 2-Hexanone
 Concen: 1.808 ug/L
 RT: 8.70 min Scan# 2289
 Delta R.T. -0.04 min
 Lab File: VU035246.D
 Acq: 18 Oct 2019 06:03

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 43 Resp: 22095
 Ion Ratio Lower Upper
 43 100
 58 27.6 45.1 67.7#
 57 26.9 16.0 24.0#
 100 0.0 10.4 15.6#



#59
 1,2,3-Trichloropropane
 Concen: 0.919 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.99 min
 Lab File: VU035246.D
 Acq: 18 Oct 2019 06:03

Tgt Ion: 75 Resp: 16519
 Ion Ratio Lower Upper
 75 100
 77 36.1 26.2 39.2

