

Data File : VU033427.D
Acq On : 25 Jul 2019 22:14
Operator : JC/SP
Sample : K3976-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0CA7

Quant Time: Jul 26 05:54:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 26 05:48:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	271577	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	280256	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	119067	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	120173	58.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	116.90%
7) Chloroethane-d5	1.67	69	107837	61.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	122.80%
11) 1,1-Dichloroethene-d2	2.26	63	159969	42.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.80%
21) 2-Butanone-d5	4.15	46	146578	112.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.53%
24) Chloroform-d	4.62	84	197627	57.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.72%
26) 1,2-Dichloroethane-d4	5.29	65	129799	58.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.48%
32) Benzene-d6	5.32	84	390822	56.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.70%
36) 1,2-Dichloropropane-d6	6.31	67	126741	57.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	115.10%
41) Toluene-d8	7.55	98	351481	54.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.42%
43) trans-1,3-Dichloropropene-	7.83	79	54773	50.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.44%
47) 2-Hexanone-d5	8.30	63	102234	102.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.97%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	185059	55.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.04%
64) 1,2-Dichlorobenzene-d4	11.85	152	133085	62.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	125.36%#

Target Compounds

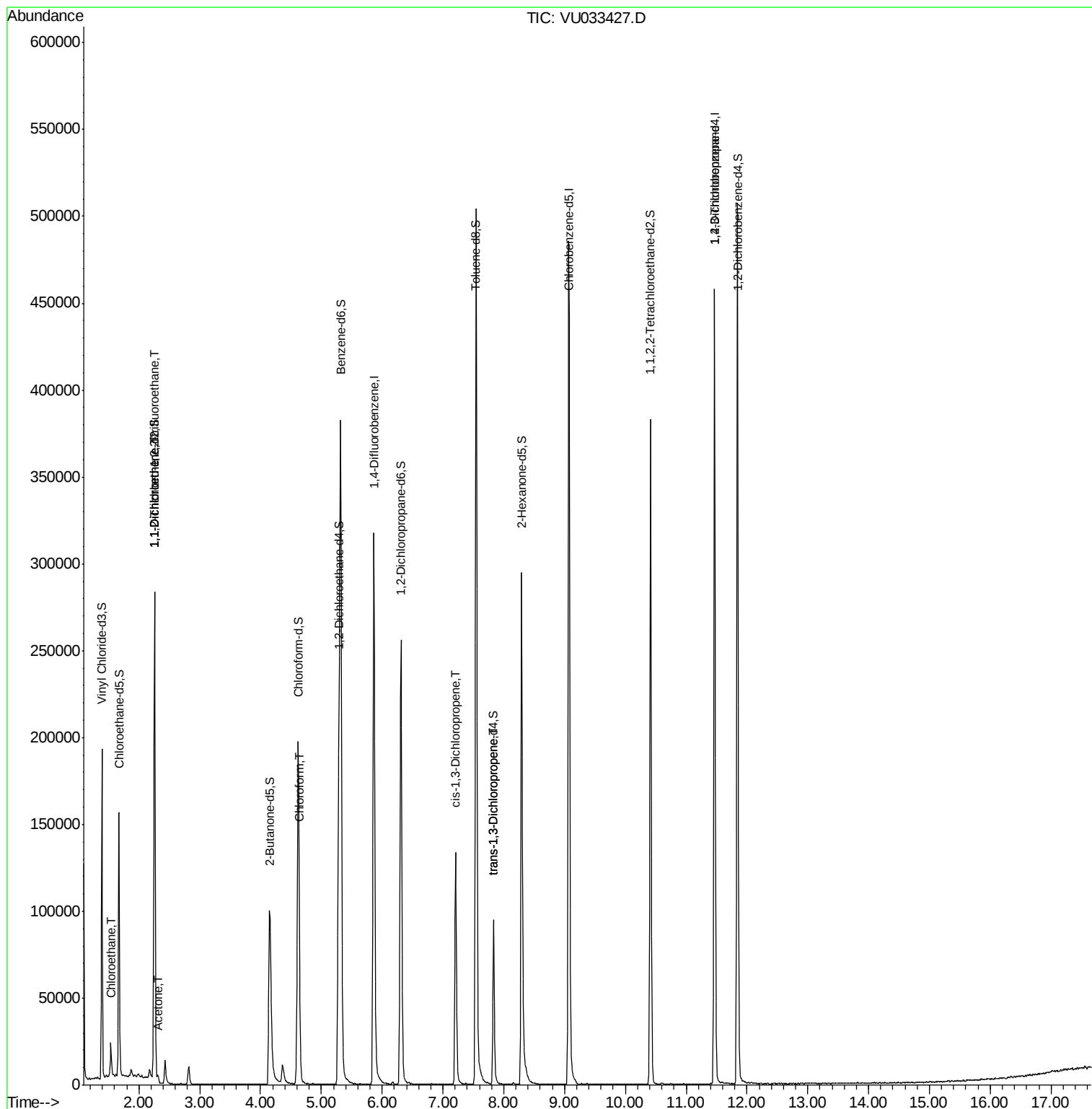
					Qvalue
8) Chloroethane	1.54	64	863	0.466 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	1646	0.888 ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1362	0.751 ug/L #	1
13) Acetone	2.31	43	3009	1.849 ug/L	97
25) Chloroform	4.65	83	2115	0.552 ug/L	84
39) cis-1,3-Dichloropropene	7.21	75	3722	1.095 ug/L #	79
44) trans-1,3-Dichloropropene	7.83	75	2574	0.840 ug/L	95
59) 1,2,3-Trichloropropane	11.47	75	14964	5.186 ug/L	94

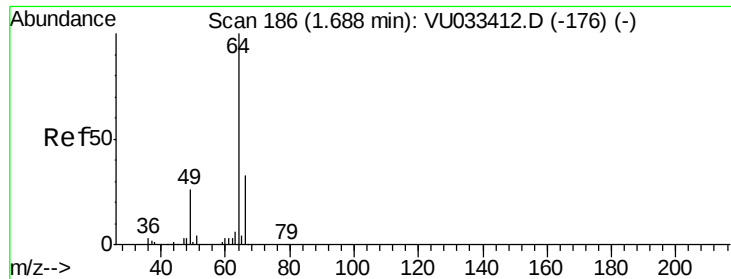
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Jul 26 05:48:12 2019
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.466 ug/L

RT: 1.54 min Scan# 140

Delta R.T. -0.15 min

Lab File: VU033427.D

Acq: 25 Jul 2019 22:14

Instrument :

MSVOA_U

ClientSampleId :

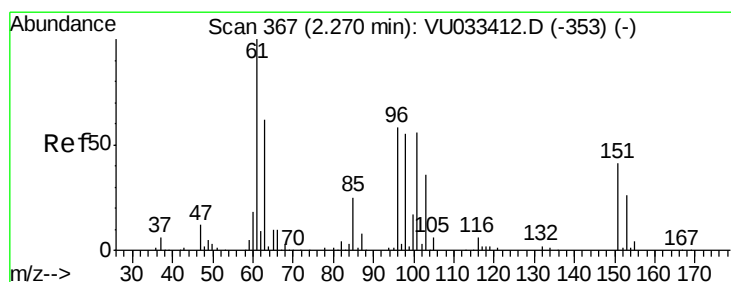
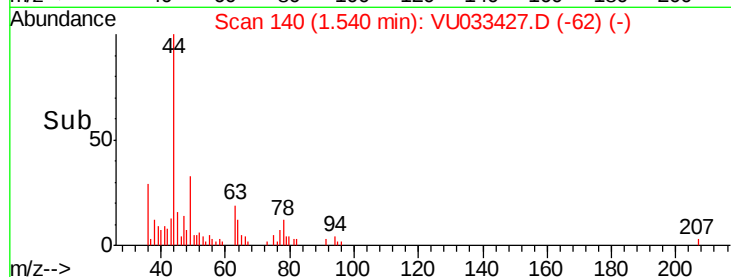
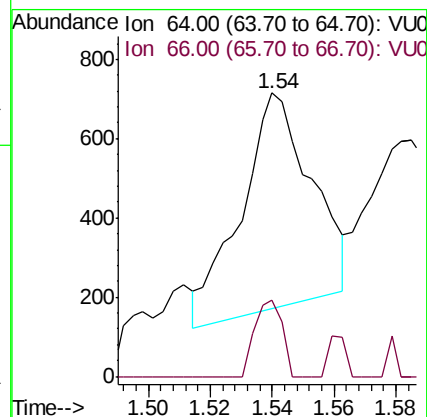
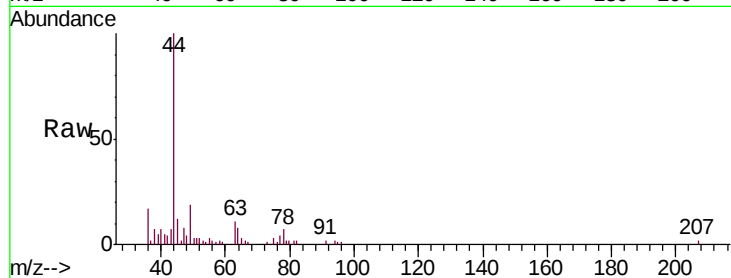
C0CA7

Tgt Ion: 64 Resp: 863

Ion Ratio Lower Upper

64 100

66 27.1 21.6 40.0



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.888 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU033427.D

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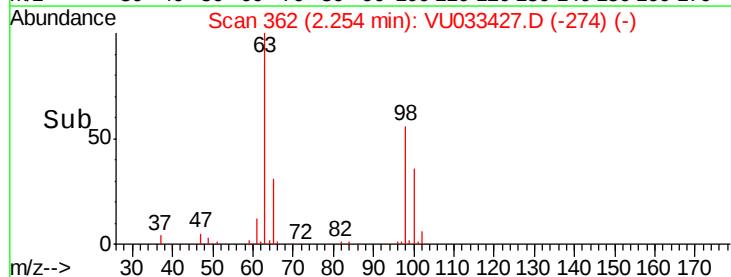
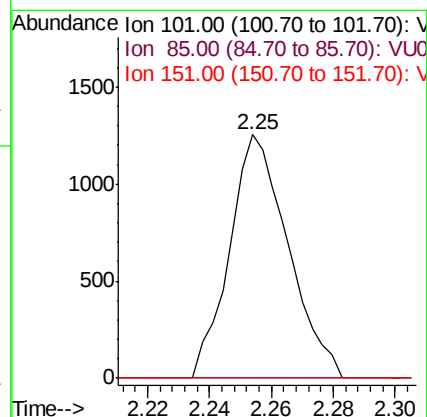
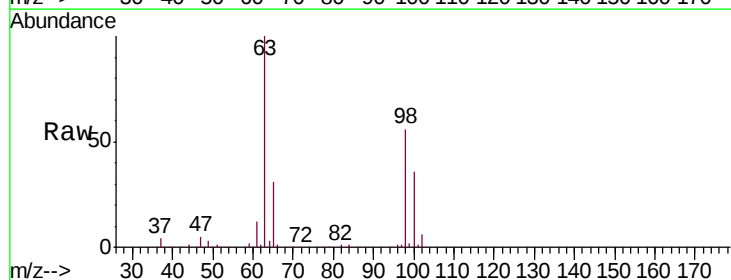
Tgt Ion: 101 Resp: 1646

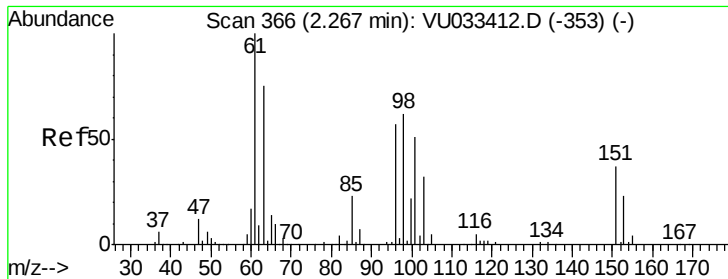
Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

151 0.0 56.7 85.1#





#12

1,1-Dichloroethene

Concen: 0.751 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033427.D

Acq: 25 Jul 2019 22:14

Instrument :

MSVOA_U

ClientSampleId :

C0CA7

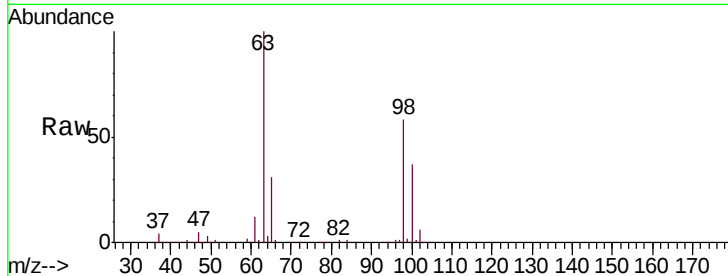
Tgt Ion: 96 Resp: 1362

Ion Ratio Lower Upper

96 100

61 1485.7 126.1 234.1#

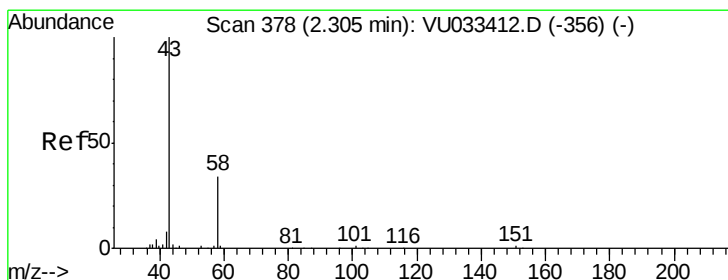
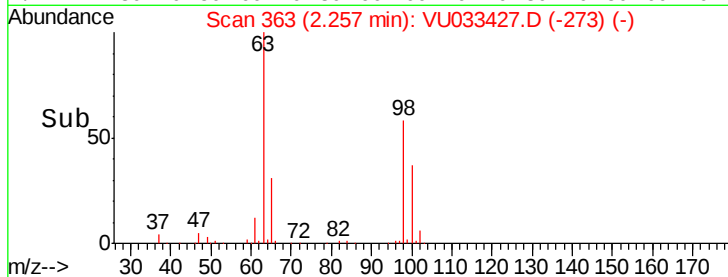
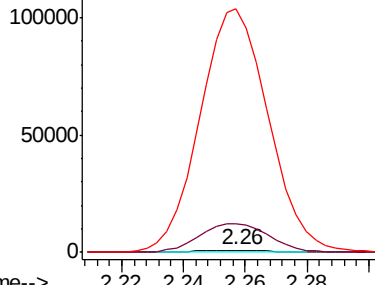
63 12386.1 96.8 179.8#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 1.849 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033427.D

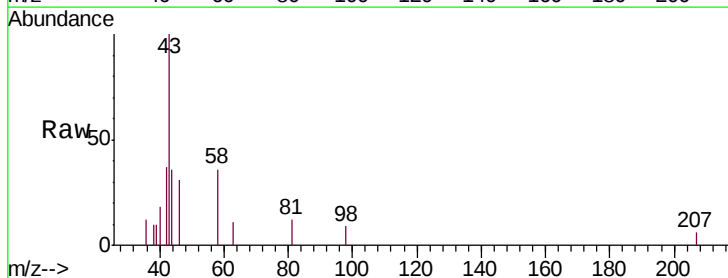
Acq: 25 Jul 2019 22:14

Tgt Ion: 43 Resp: 3009

Ion Ratio Lower Upper

43 100

58 34.2 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2000

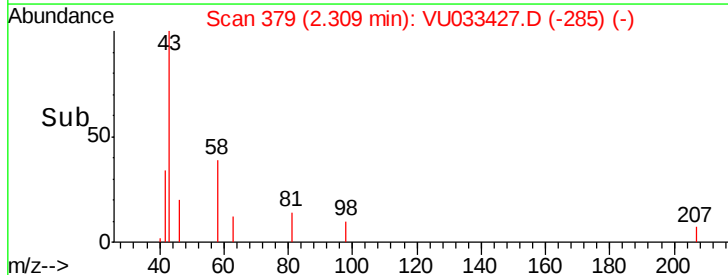
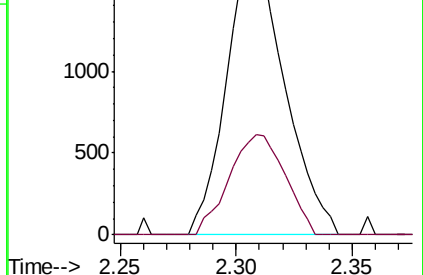
1500

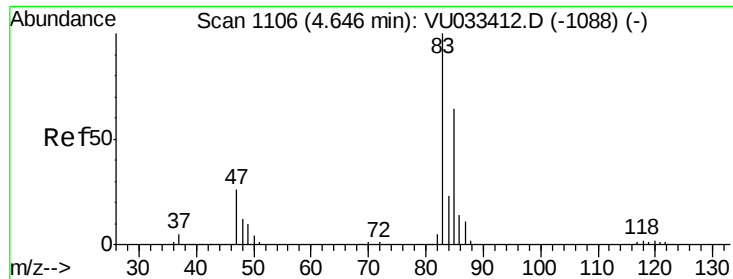
1000

500

0

2.25 2.30 2.35

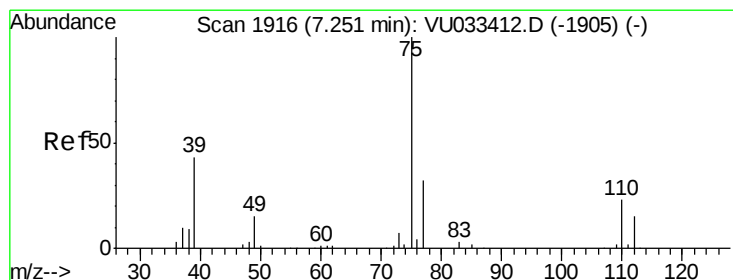
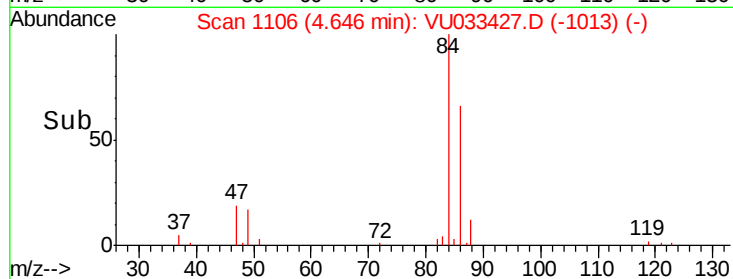
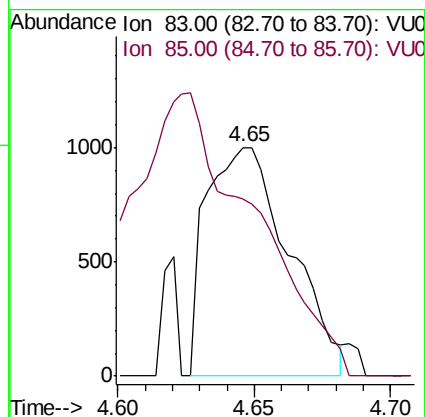
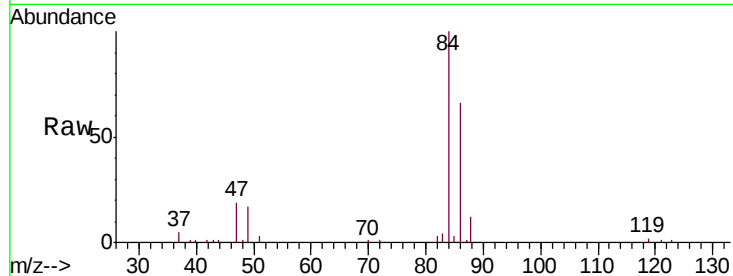




#25
Chloroform
Concen: 0.552 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033427.D
Acq: 25 Jul 2019 22:14

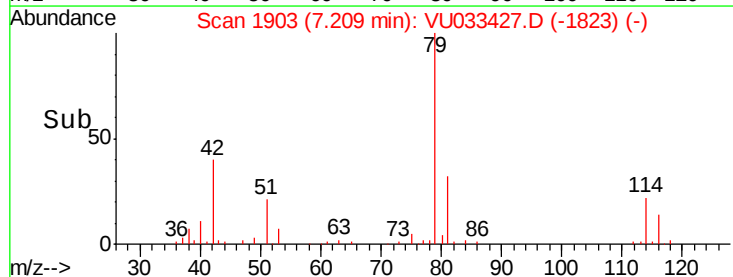
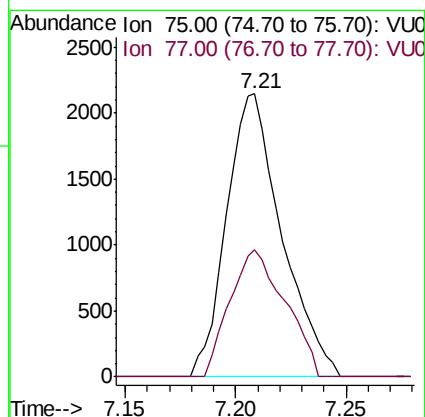
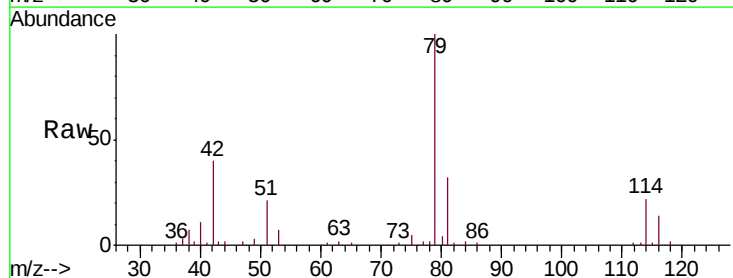
Instrument :
MSVOA_U
ClientSampled :
C0CA7

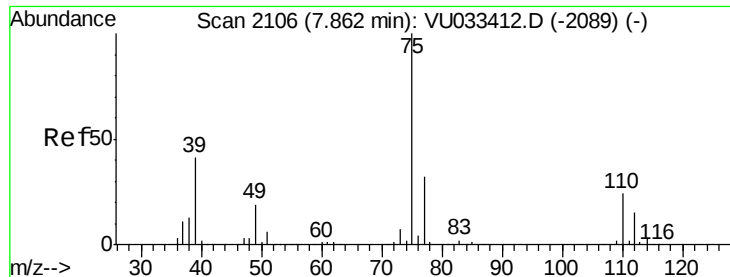
Tgt Ion: 83 Resp: 2115
Ion Ratio Lower Upper
83 100
85 77.5 45.4 84.4



#39
cis-1,3-Dichloropropene
Concen: 1.095 ug/L
RT: 7.21 min Scan# 1903
Delta R.T. -0.04 min
Lab File: VU033427.D
Acq: 25 Jul 2019 22:14

Tgt Ion: 75 Resp: 3722
Ion Ratio Lower Upper
75 100
77 45.0 23.1 42.9#





#44

trans-1,3-Dichloropropene

Concen: 0.840 ug/L

RT: 7.83 min Scan# 2096

Delta R.T. -0.03 min

Lab File: VU033427.D

Acq: 25 Jul 2019 22:14

Instrument :

MSVOA_U

ClientSampleId :

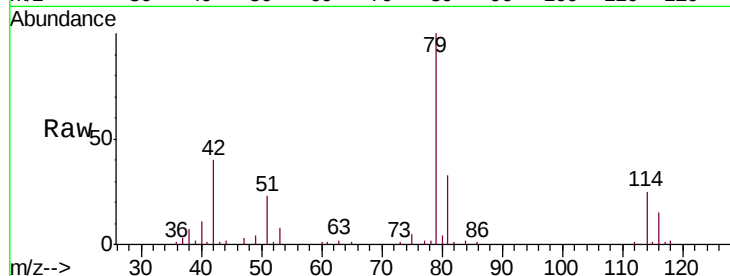
C0CA7

Tgt Ion: 75 Resp: 2574

Ion Ratio Lower Upper

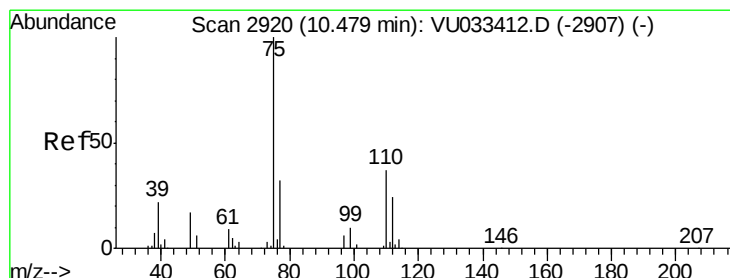
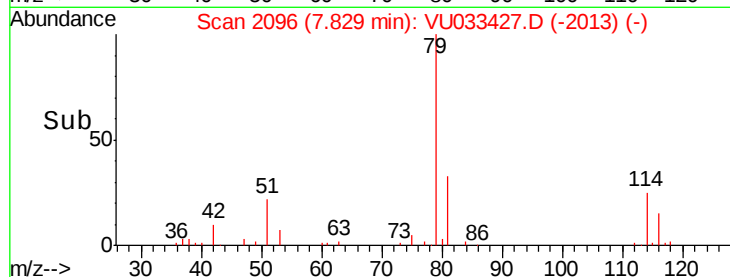
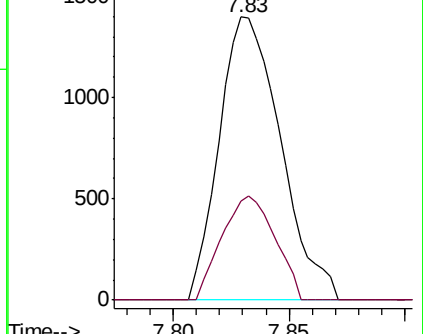
75 100

77 34.9 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 5.186 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033427.D

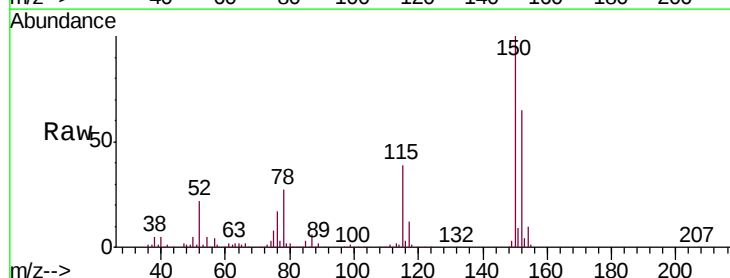
Acq: 25 Jul 2019 22:14

Tgt Ion: 75 Resp: 14964

Ion Ratio Lower Upper

75 100

77 36.1 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

