

Data File : VU033529.D
Acq On : 31 Jul 2019 16:51
Operator : JC/SP
Sample : VIBLK41
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK41

Quant Time: Aug 01 07:26:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 01 07:20:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	303280	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	306653	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	138746	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	102623	46.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.08%
7) Chloroethane-d5	1.67	69	92310	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.58%
11) 1,1-Dichloroethene-d2	2.26	63	142680	35.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.30%
21) 2-Butanone-d5	4.15	46	157259	107.68	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.68%
24) Chloroform-d	4.62	84	173320	46.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.78%
26) 1,2-Dichloroethane-d4	5.29	65	125756	53.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.46%
32) Benzene-d6	5.32	84	383273	50.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.84%
36) 1,2-Dichloropropane-d6	6.31	67	126088	52.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.82%
41) Toluene-d8	7.55	98	342274	48.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.10%
43) trans-1,3-Dichloropropene-	7.83	79	57605	48.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.46%
47) 2-Hexanone-d5	8.29	63	117456	103.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.82%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	189148	51.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.96%
64) 1,2-Dichlorobenzene-d4	11.85	152	138470	54.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.00%

Target Compounds

					Qvalue	
8) Chloroethane	1.54	64	1853	0.987	ug/L #	58
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1471	0.718	ug/L #	19
12) 1,1-Dichloroethene	2.26	96	1162	0.592	ug/L #	1
20) cis-1,2-Dichloroethene	4.20	96	1587	0.687	ug/L	88
25) Chloroform	4.65	83	21003	5.167	ug/L	99
33) Benzene	5.32	78	3484	0.394	ug/L	100
34) Trichloroethene	6.17	95	6830	2.927	ug/L	96
35) Methylcyclohexane	6.31	83	29057	7.979	ug/L #	19
37) 1,2-Dichloropropane	6.31	63	13469	5.688	ug/L #	89
44) trans-1,3-Dichloropropene	7.84	75	2475	0.741	ug/L	91
59) 1,2,3-Trichloropropane	11.47	75	16444	5.261	ug/L #	86

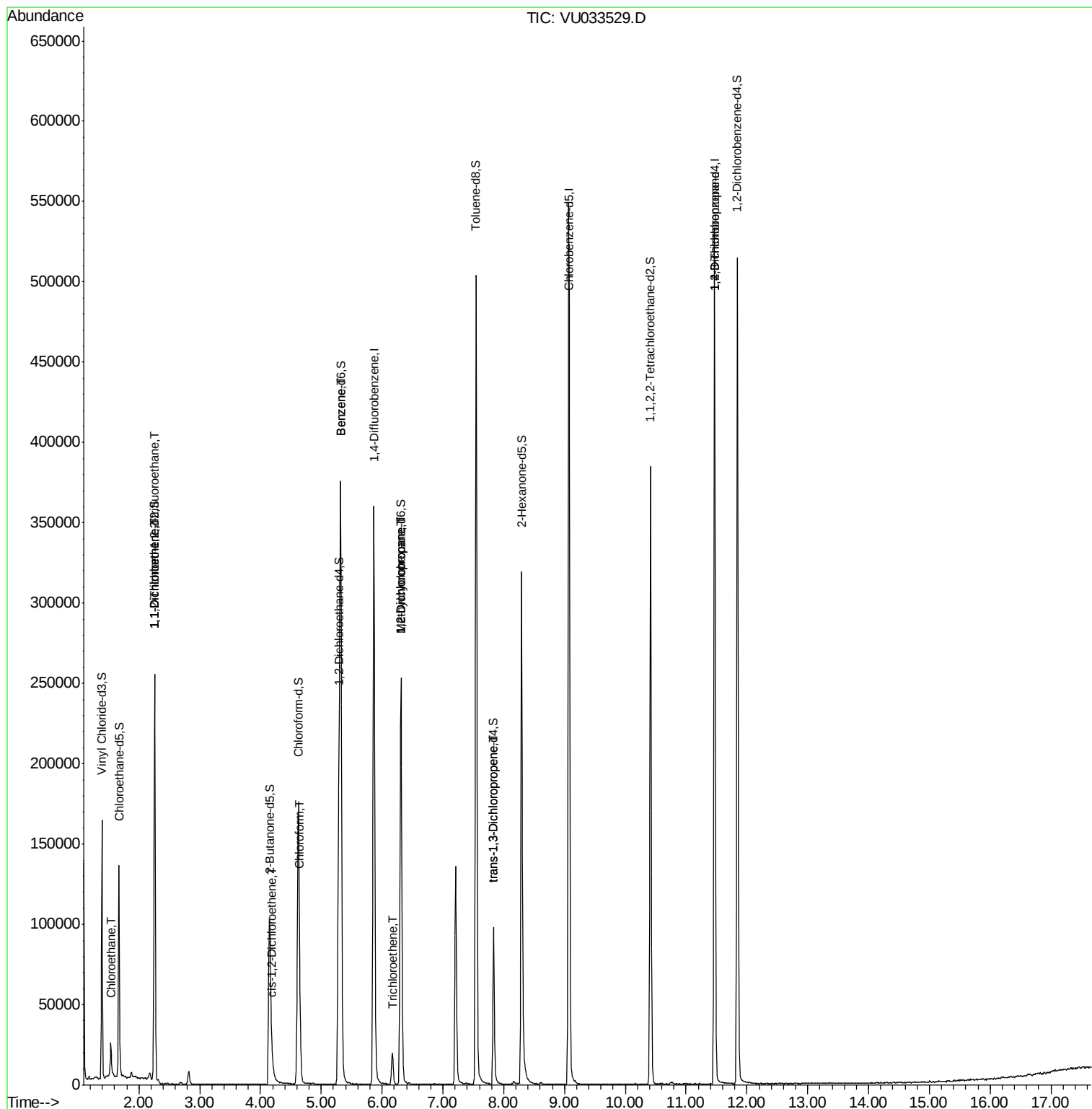
(#) = qualifier out of range (m) = manual integration (+) = signals summed

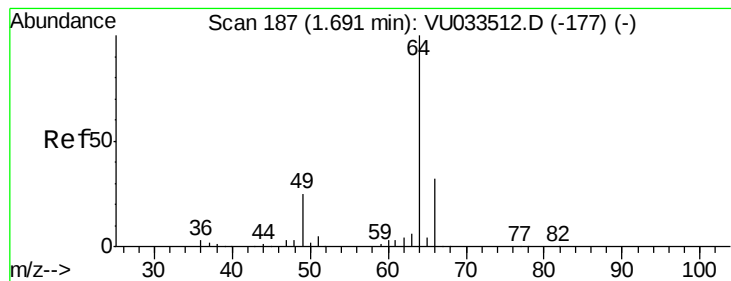
Data File : VU033529.D

```
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Quant Title : VOC Analysis
QLast Update : Thu Aug 01 07:20:33 2019
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.987 ug/L

RT: 1.54 min Scan# 141

Delta R.T. -0.15 min

Lab File: VU033529.D

Acq: 31 Jul 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

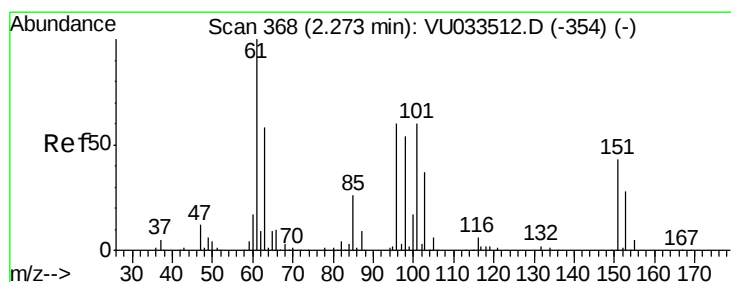
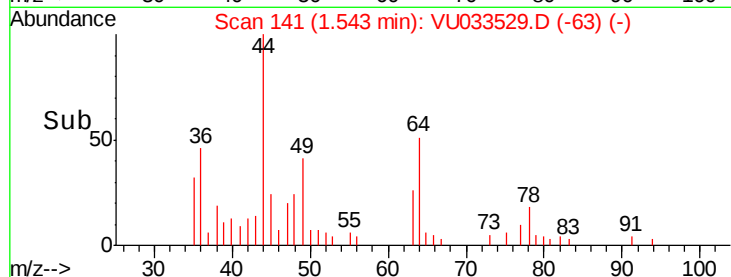
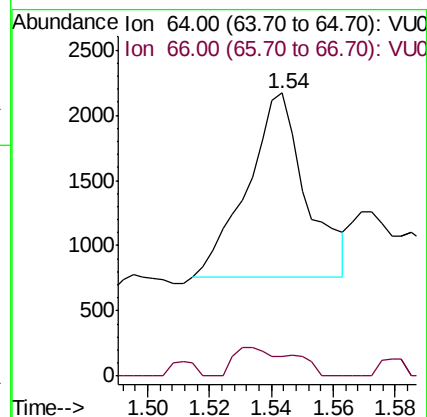
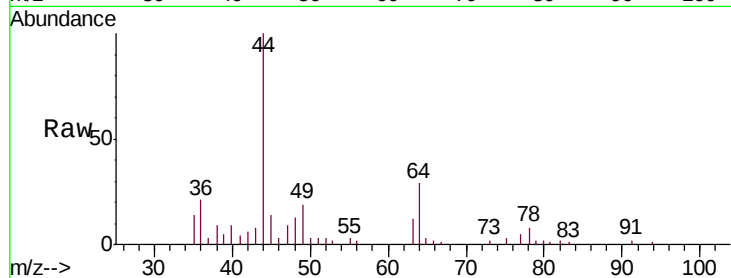
VIBLK41

Tgt Ion: 64 Resp: 1853

Ion Ratio Lower Upper

64 100

66 7.1 21.1 39.3#



#10

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

Concen: 0.718 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033529.D

Acq: 31 Jul 2019 16:51

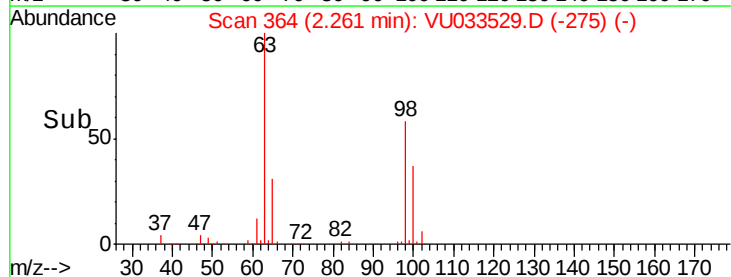
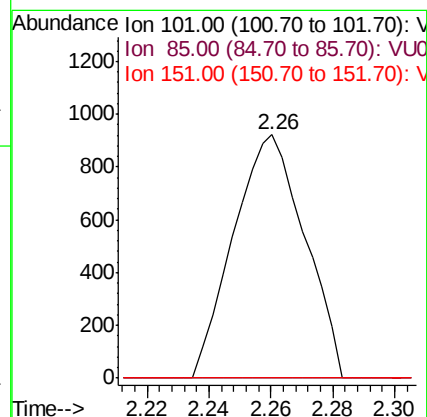
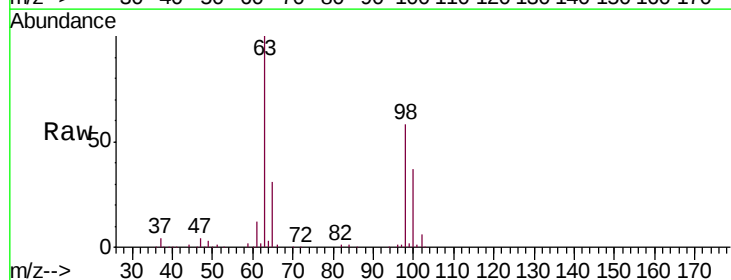
Tgt Ion: 101 Resp: 1471

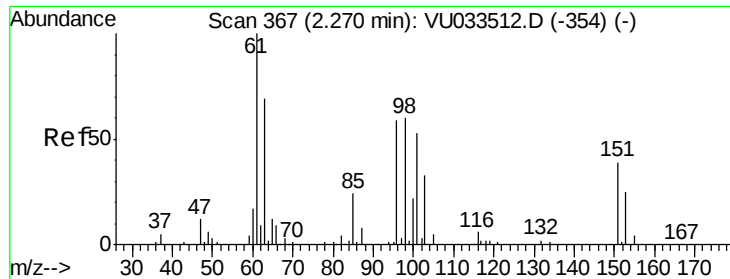
Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

151 0.0 60.1 90.1#





#12

1,1-Dichloroethene

Concen: 0.592 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033529.D

Acq: 31 Jul 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

VIBLK41

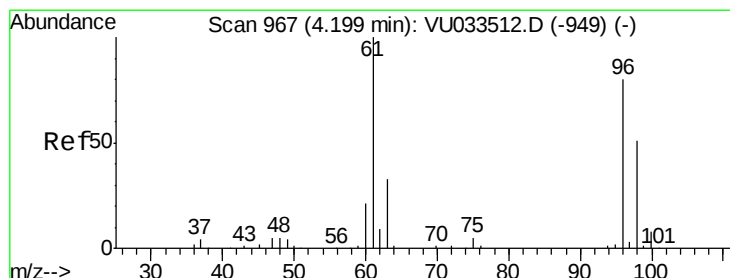
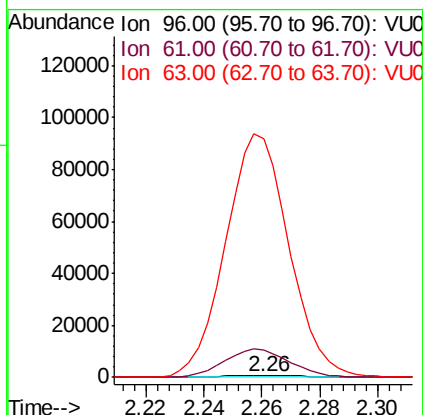
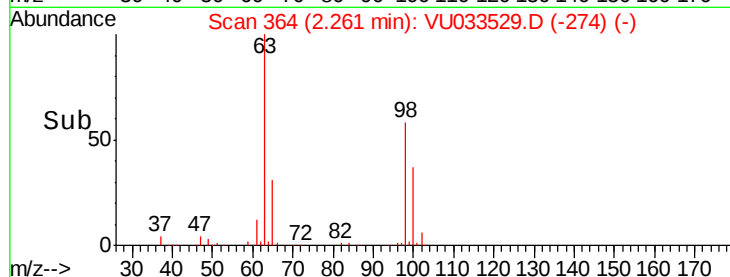
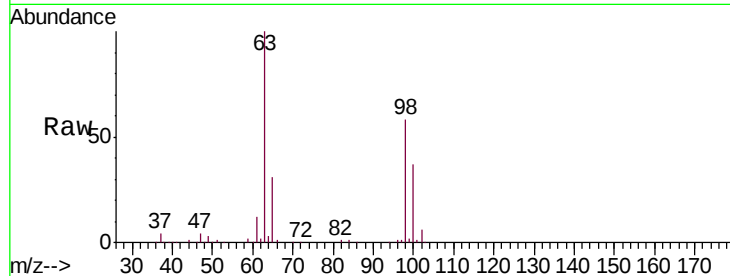
Tgt Ion: 96 Resp: 1162

Ion Ratio Lower Upper

96 100

61 1685.1 119.3 221.5#

63 14653.0 86.6 160.8#



#20

cis-1,2-Dichloroethene

Concen: 0.687 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033529.D

Acq: 31 Jul 2019 16:51

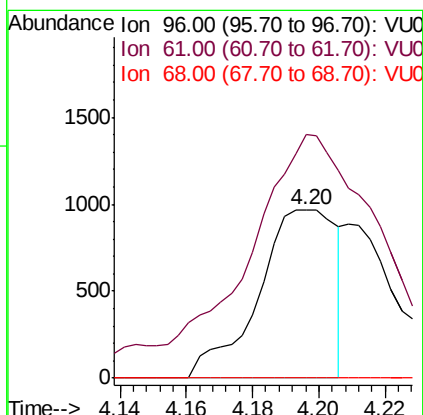
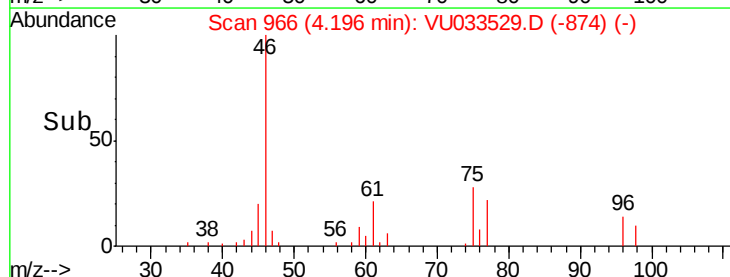
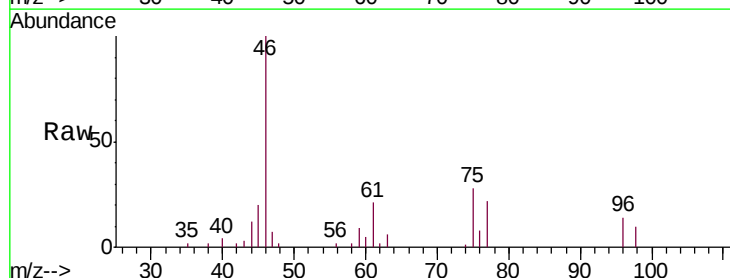
Tgt Ion: 96 Resp: 1587

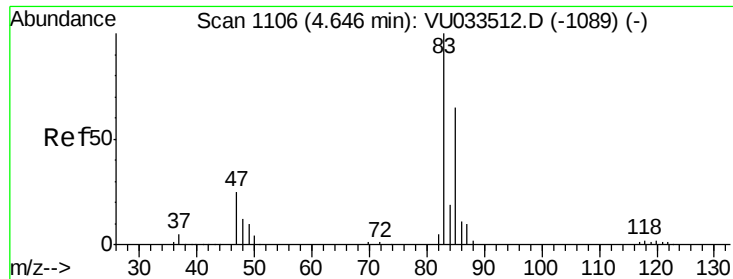
Ion Ratio Lower Upper

96 100

61 144.4 91.3 169.6

68 0.0 0.0 0.0

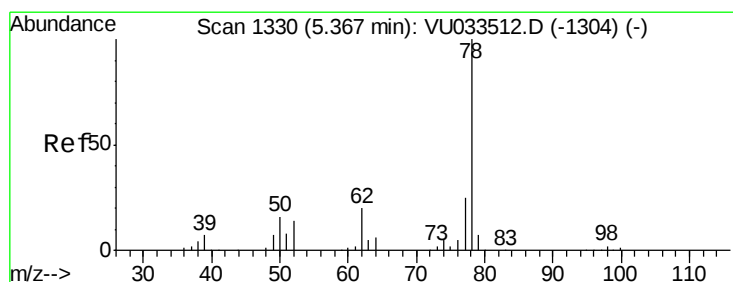
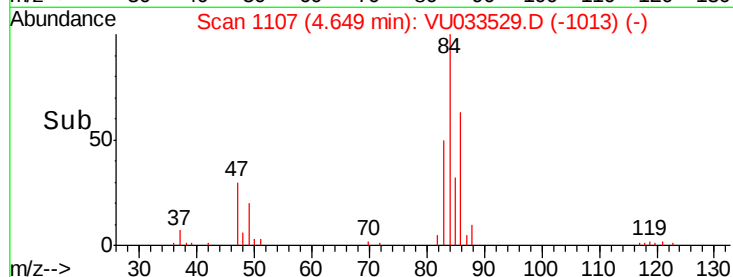
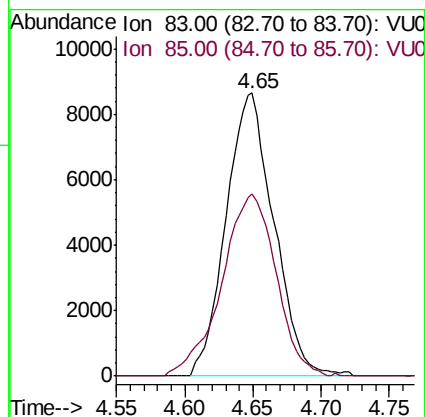
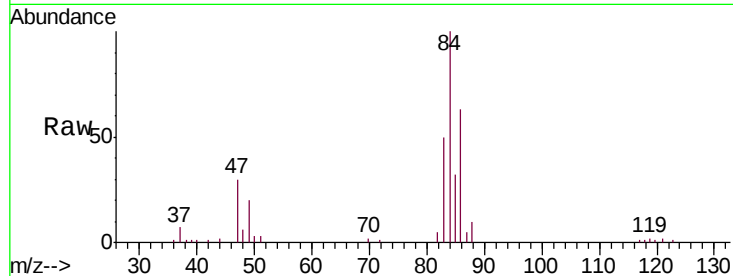




#25
Chloroform
Concen: 5.167 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033529.D
Acq: 31 Jul 2019 16:51

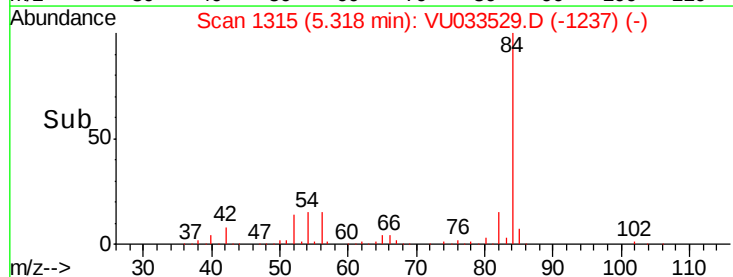
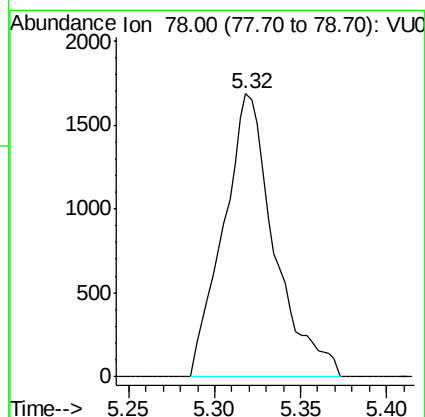
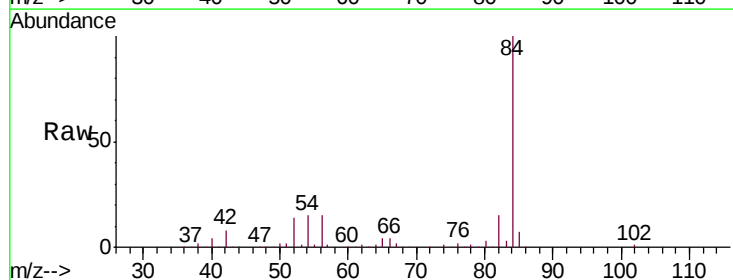
Instrument :
MSVOA_U
ClientSampleId :
VIBLK41

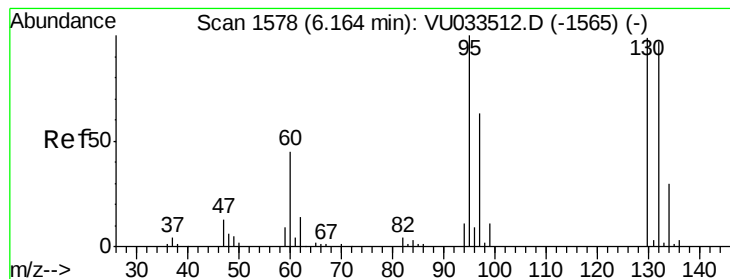
Tgt Ion: 83 Resp: 21003
Ion Ratio Lower Upper
83 100
85 64.3 45.6 84.8



#33
Benzene
Concen: 0.394 ug/L
RT: 5.32 min Scan# 1315
Delta R.T. -0.05 min
Lab File: VU033529.D
Acq: 31 Jul 2019 16:51

Tgt Ion: 78 Resp: 3484





#34

Trichloroethene

Concen: 2.927 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033529.D

Acq: 31 Jul 2019 16:51

Instrument :

MSVOA_U

ClientSampled :

VIBLK41

Tgt Ion: 95 Resp: 6830

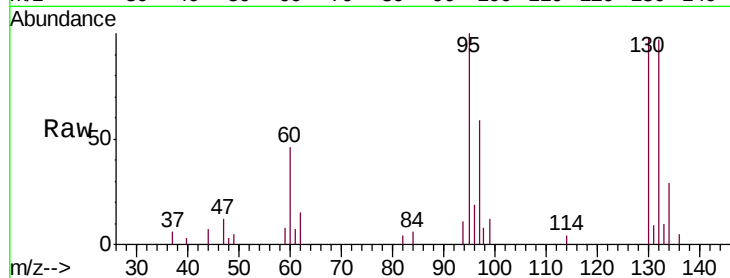
Ion Ratio Lower Upper

95 100

97 59.0 44.7 83.1

132 97.3 66.8 124.0

130 97.6 71.6 133.0

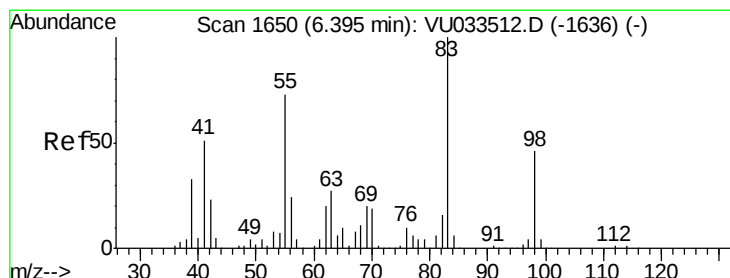
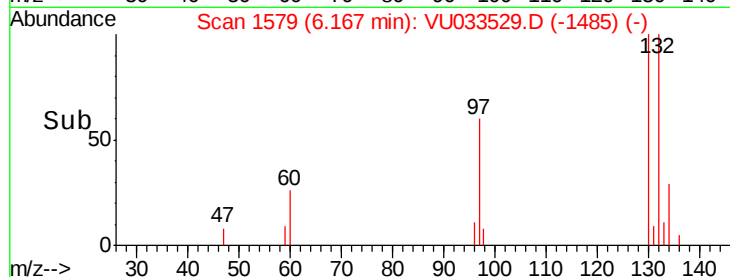
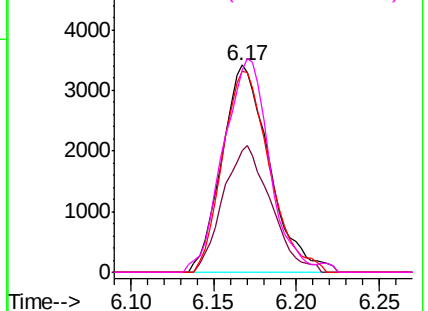


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 7.979 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.09 min

Lab File: VU033529.D

Acq: 31 Jul 2019 16:51

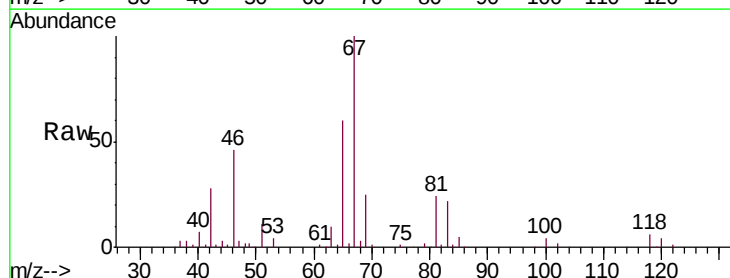
Tgt Ion: 83 Resp: 29057

Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.4#

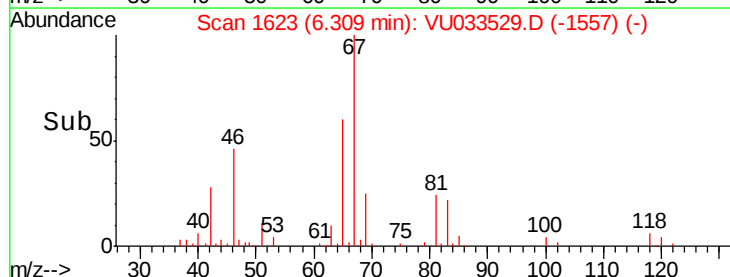
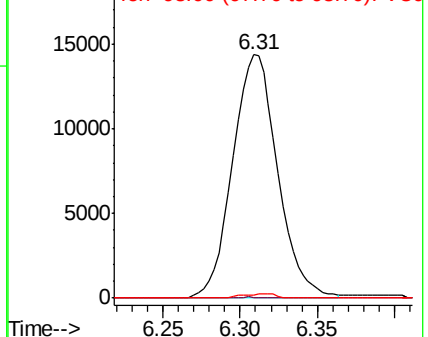
98 0.6 36.5 54.7#

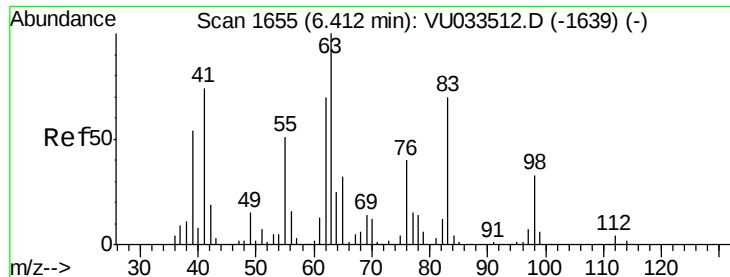


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

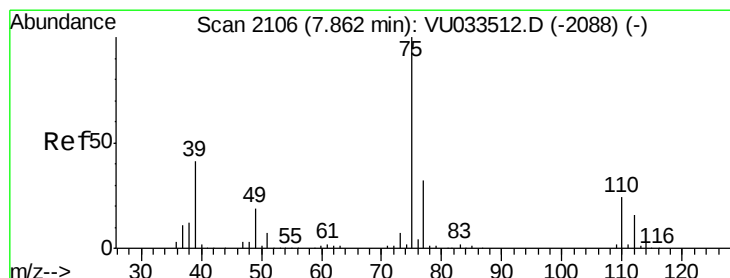
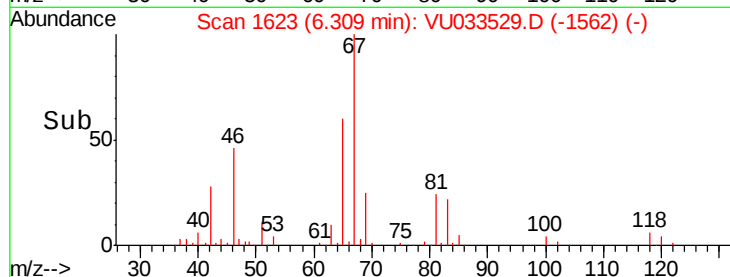
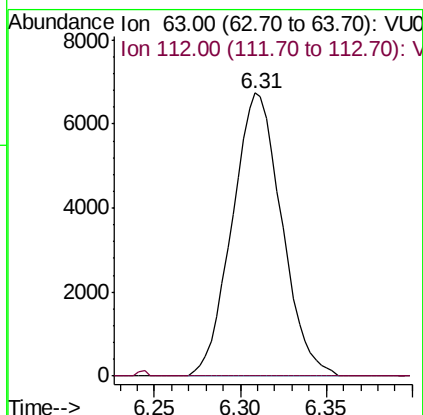
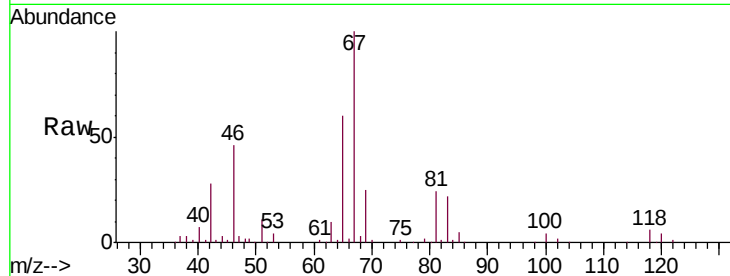




#37
 1,2-Dichloropropane
 Concen: 5.688 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.10 min
 Lab File: VU033529.D
 Acq: 31 Jul 2019 16:51

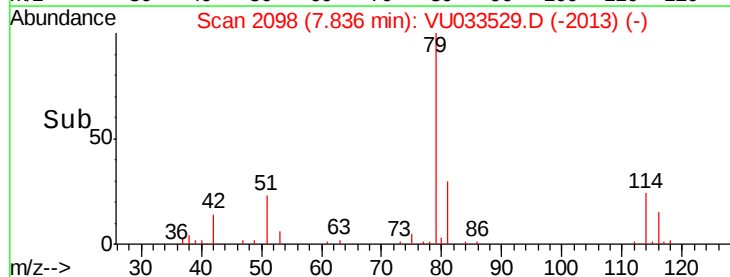
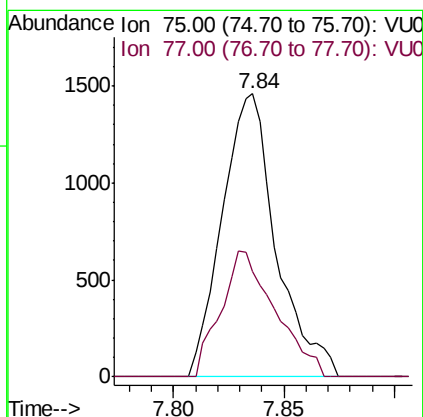
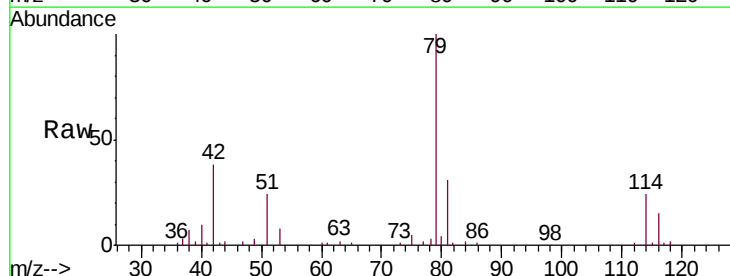
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK41

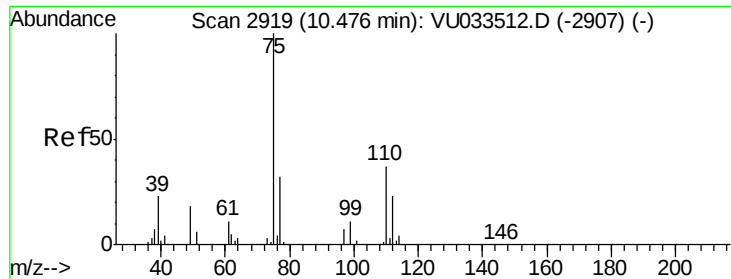
Tgt Ion: 63 Resp: 13469
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.0 4.6#



#44
 trans-1,3-Dichloropropene
 Concen: 0.741 ug/L
 RT: 7.84 min Scan# 2098
 Delta R.T. -0.03 min
 Lab File: VU033529.D
 Acq: 31 Jul 2019 16:51

Tgt Ion: 75 Resp: 2475
 Ion Ratio Lower Upper
 75 100
 77 37.2 22.7 42.1





#59

1,2,3-Trichloropropane

Concen: 5.261 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033529.D

Acq: 31 Jul 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

VIBLK41

Tgt Ion: 75 Resp: 16444

Ion Ratio Lower Upper

75 100

77 40.1 25.8 38.6#

