

Data File : VU029986.D
Acq On : 11 Mar 2019 23:24
Operator : JC/SP
Sample : K1763-04 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0959

Quant Time: Mar 12 07:10:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 12 07:07:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	523038	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	565466	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	260394	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	561	0.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	0.32%#
7) Chloroethane-d5	1.68	69	143753	51.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.94%
11) 1,1-Dichloroethene-d2	2.27	63	1099	0.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.36%#
21) 2-Butanone-d5	4.17	46	253970	97.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.98%
24) Chloroform-d	4.65	84	327621	52.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.58%
26) 1,2-Dichloroethane-d4	5.31	65	184580	51.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.96%
32) Benzene-d6	5.34	84	594495	40.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.68%
36) 1,2-Dichloropropane-d6	6.33	67	206566	46.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.74%
41) Toluene-d8	7.57	98	2811	0.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	0.42%#
43) trans-1,3-Dichloropropene-	7.87	79	617	0.29	ug/L	0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.58%#
47) 2-Hexanone-d5	8.31	63	202048	81.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	299573	43.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	258465	51.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.48%

Target Compounds

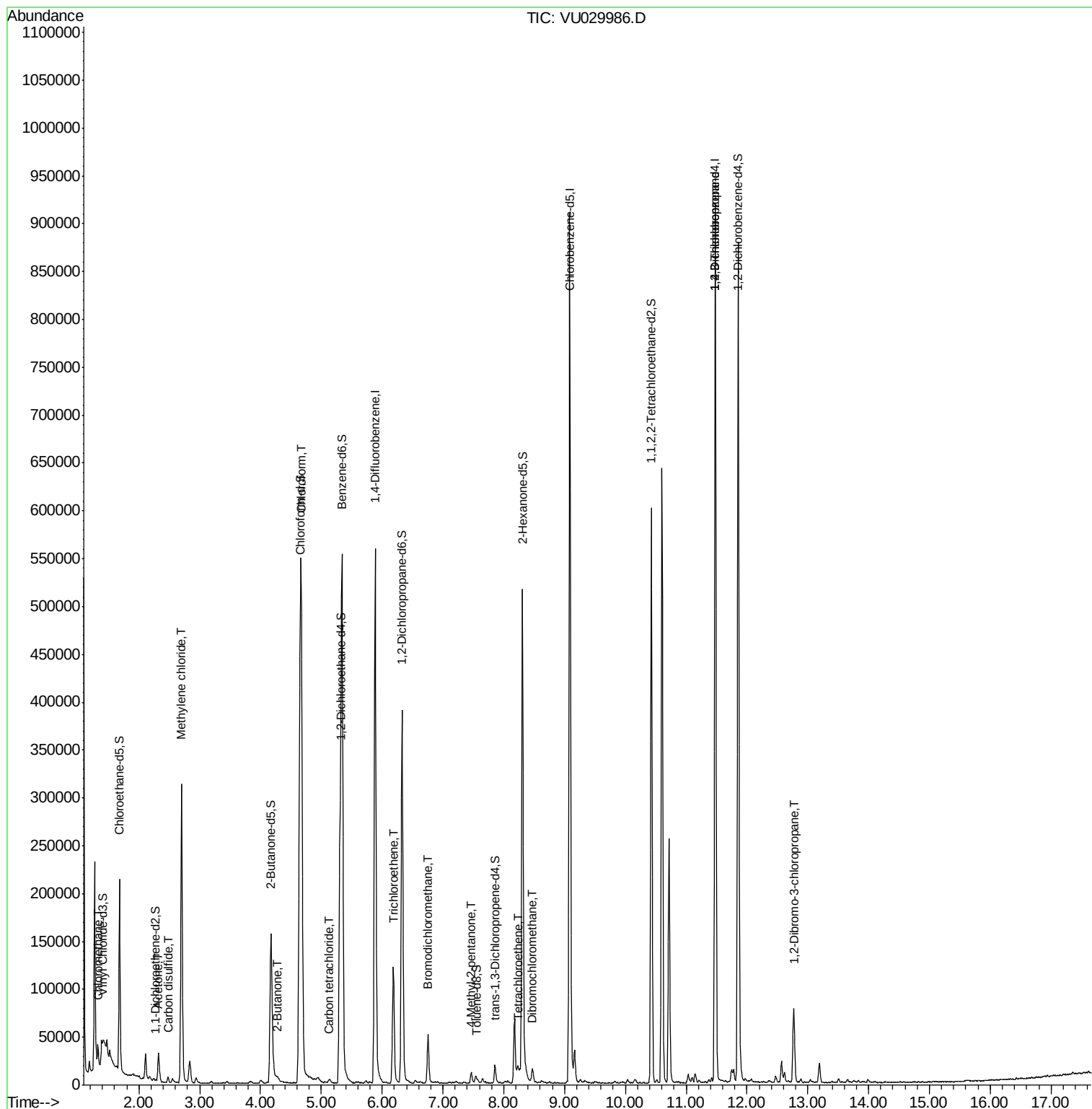
					Qvalue
3) Chloromethane	1.33	50	13646	3.743 ug/L	98
13) Acetone	2.32	43	30676	10.122 ug/L	99
14) Carbon disulfide	2.48	76	7912	0.779 ug/L #	93
16) Methylene chloride	2.70	84	147568	38.121 ug/L	98
22) 2-Butanone	4.28	43	7056	2.045 ug/L #	69
25) Chloroform	4.67	83	443430	68.925 ug/L	100
31) Carbon tetrachloride	5.13	117	3063	0.562 ug/L #	51
34) Trichloroethene	6.19	95	43525	10.263 ug/L	98
38) Bromodichloromethane	6.76	83	34363	6.493 ug/L	97
40) 4-Methyl-2-pentanone	7.47	43	10997	1.914 ug/L #	46
46) Tetrachloroethene	8.22	164	1672	0.451 ug/L	96
49) Dibromochloromethane	8.47	129	5275	1.109 ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	27499	4.961 ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.77	75	2580	1.876 ug/L #	1

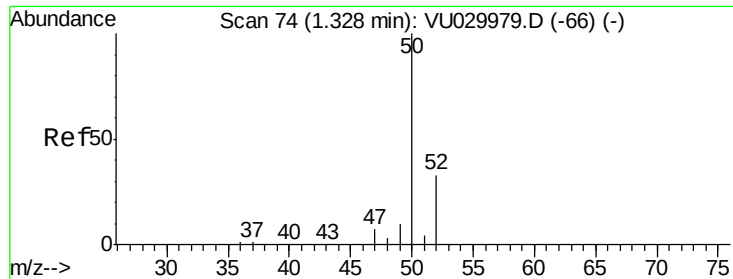
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 3.743 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029986.D

Acq: 11 Mar 2019 23:24

Instrument :

MSVOA_U

ClientSampleId :

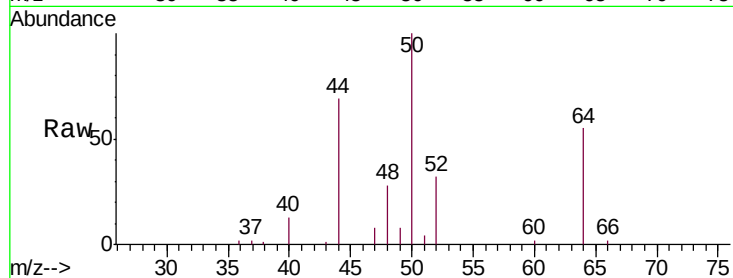
C0959

Tgt Ion: 50 Resp: 13646

Ion Ratio Lower Upper

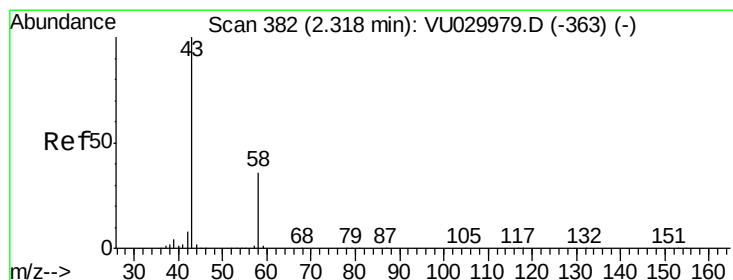
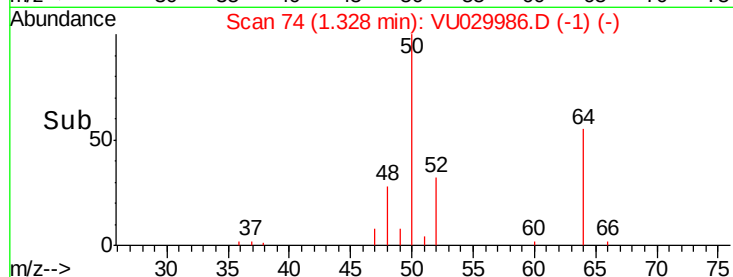
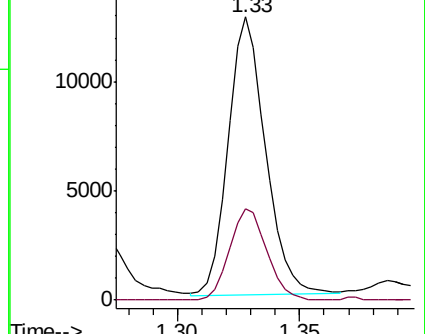
50 100

52 32.2 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#13

Acetone

Concen: 10.122 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU029986.D

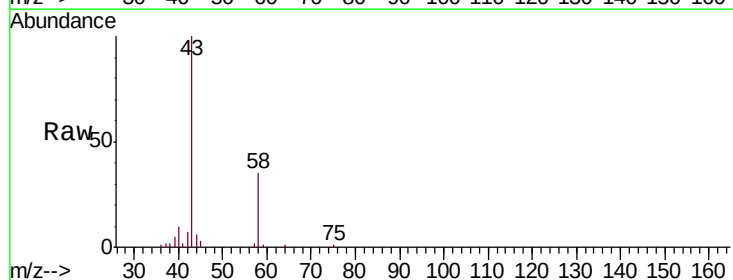
Acq: 11 Mar 2019 23:24

Tgt Ion: 43 Resp: 30676

Ion Ratio Lower Upper

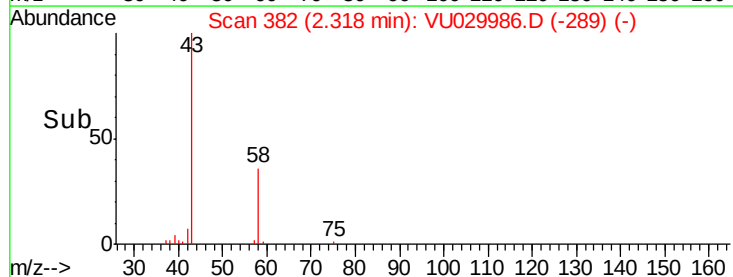
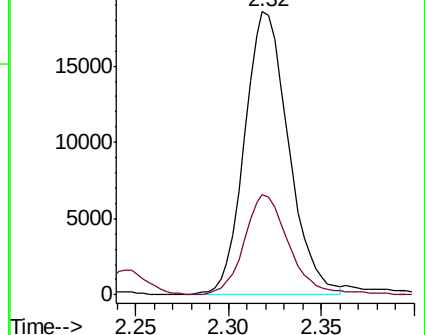
43 100

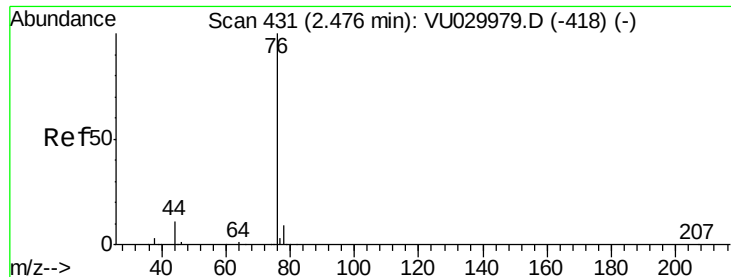
58 35.9 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

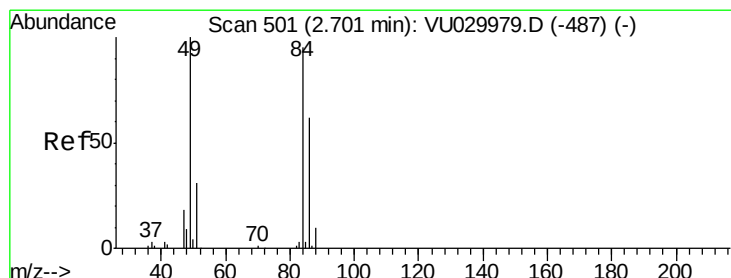
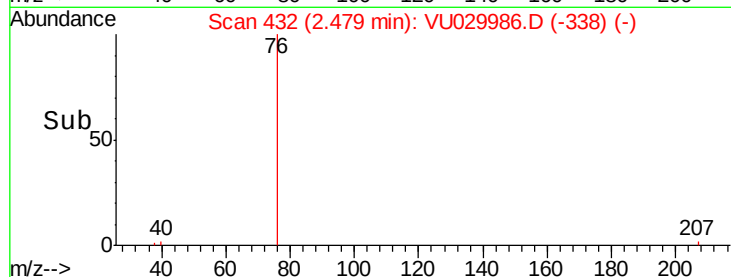
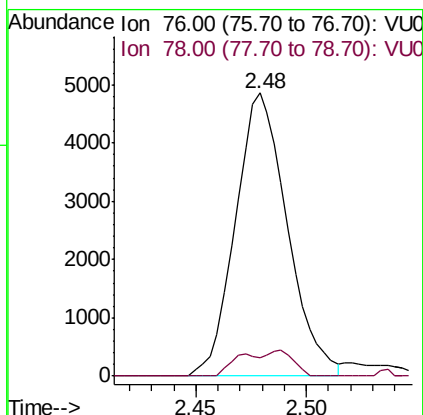
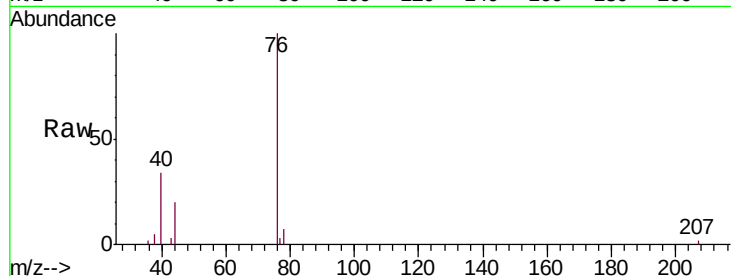




#14
Carbon disulfide
Concen: 0.779 ug/L
RT: 2.48 min Scan# 432
Delta R.T. 0.00 min
Lab File: VU029986.D
Acq: 11 Mar 2019 23:24

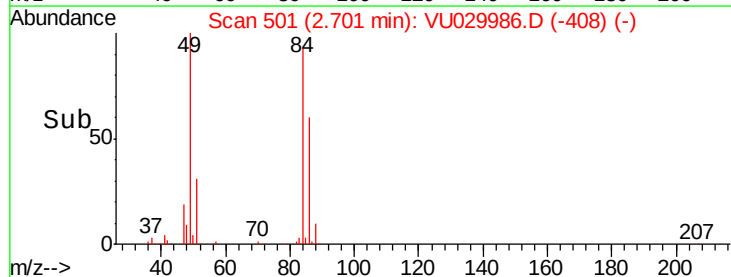
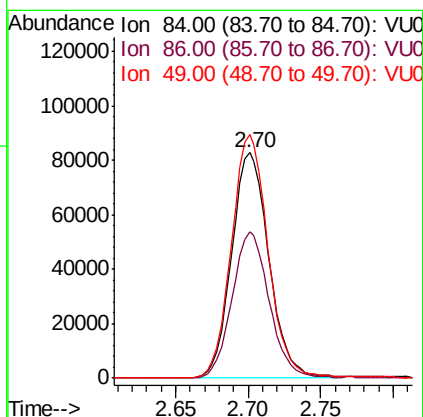
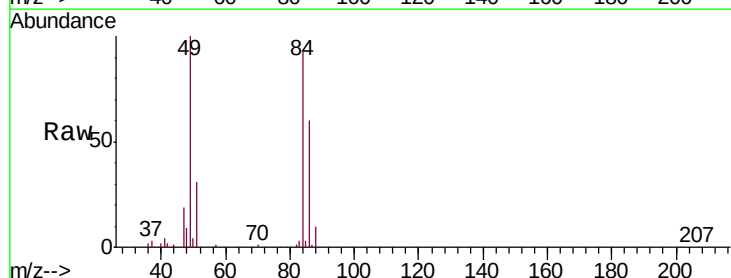
Instrument :
MSVOA_U
ClientSampled :
C0959

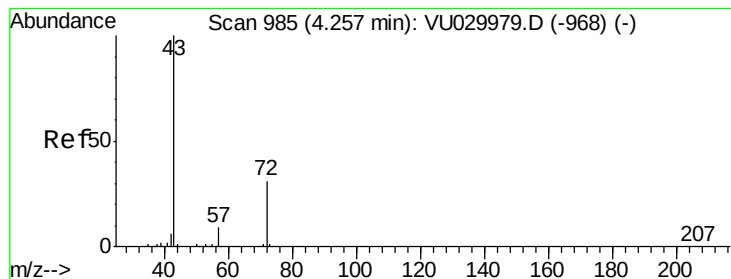
Tgt Ion: 76 Resp: 7912
Ion Ratio Lower Upper
76 100
78 6.5 7.3 10.9#



#16
Methylene chloride
Concen: 38.121 ug/L
RT: 2.70 min Scan# 501
Delta R.T. -0.00 min
Lab File: VU029986.D
Acq: 11 Mar 2019 23:24

Tgt Ion: 84 Resp: 147568
Ion Ratio Lower Upper
84 100
86 64.8 45.2 84.0
49 108.1 73.6 136.6





#22

2-Butanone

Concen: 2.045 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.02 min

Lab File: VU029986.D

Acq: 11 Mar 2019 23:24

Instrument :

MSVOA_U

ClientSampled :

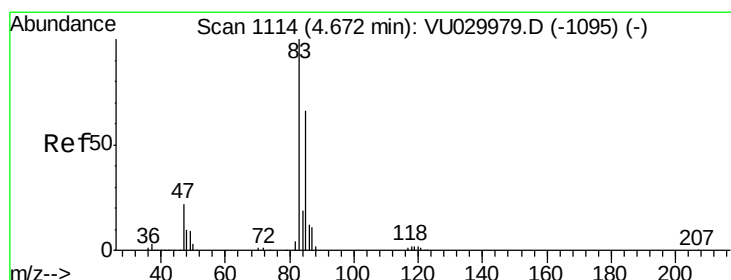
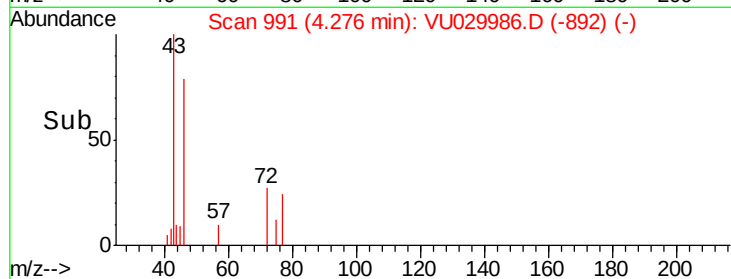
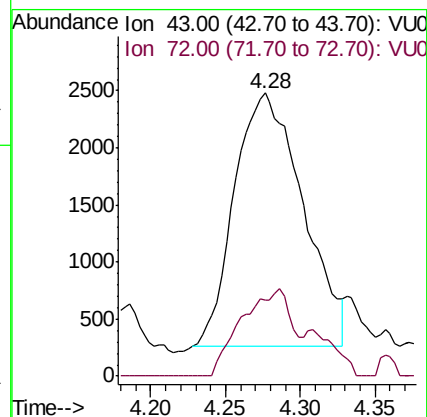
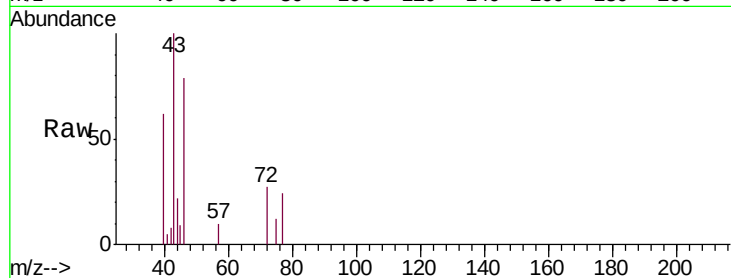
C0959

Tgt Ion: 43 Resp: 7056

Ion Ratio Lower Upper

43 100

72 13.6 15.3 45.9#



#25

Chloroform

Concen: 68.925 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VU029986.D

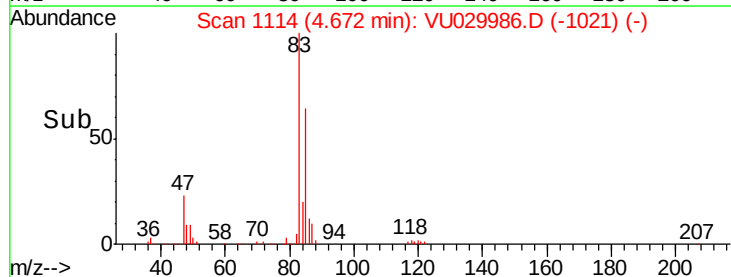
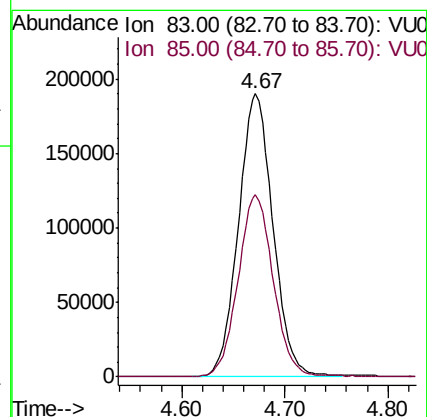
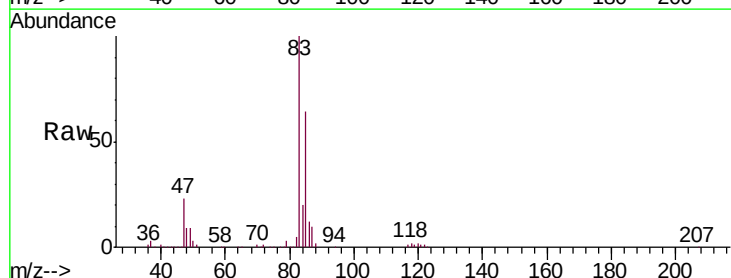
Acq: 11 Mar 2019 23:24

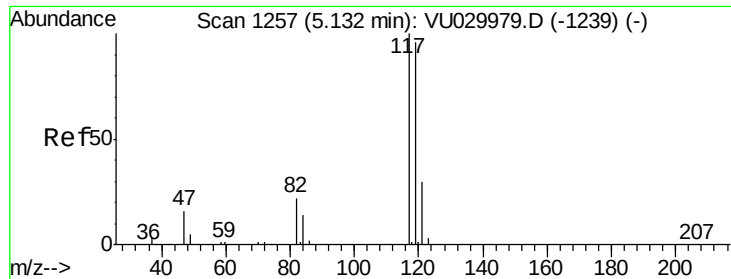
Tgt Ion: 83 Resp: 443430

Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.5





#31

Carbon tetrachloride

Concen: 0.562 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VU029986.D

Acq: 11 Mar 2019 23:24

Instrument :

MSVOA_U

ClientSampleId :

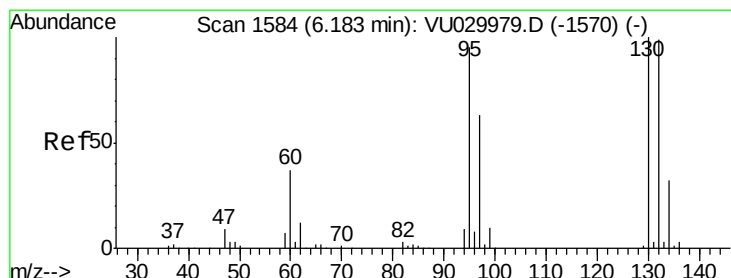
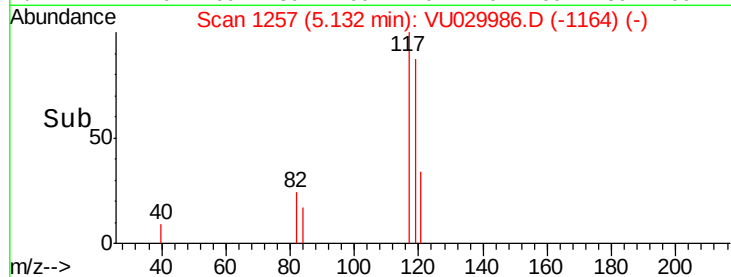
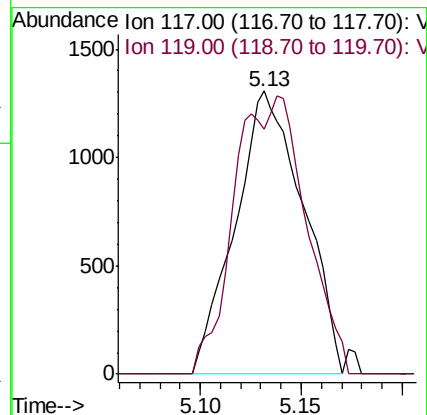
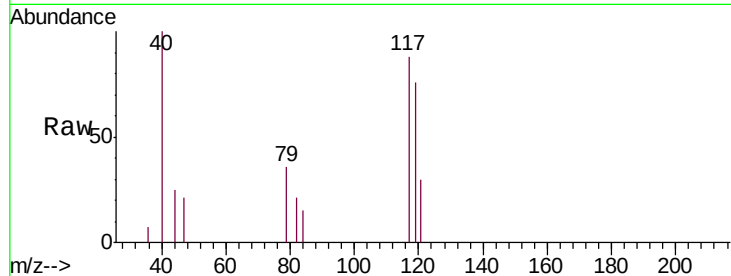
C0959

Tgt Ion:117 Resp: 3063

Ion Ratio Lower Upper

117 100

119 48.4 77.3 115.9#



#34

Trichloroethene

Concen: 10.263 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU029986.D

Acq: 11 Mar 2019 23:24

Tgt Ion: 95 Resp: 43525

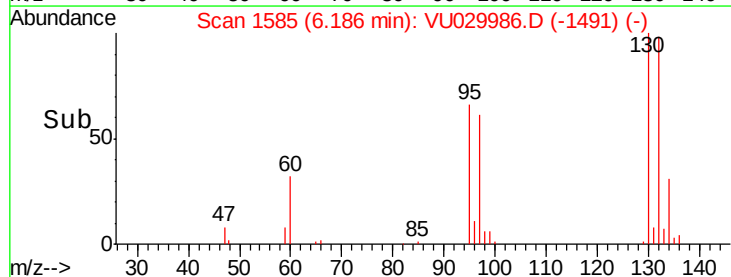
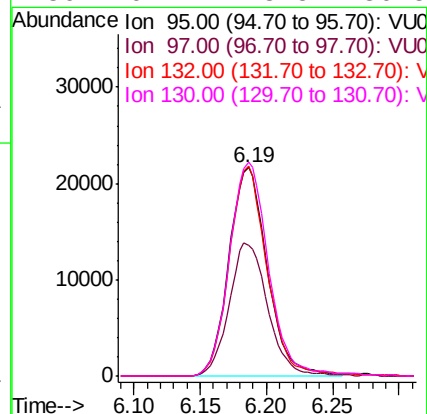
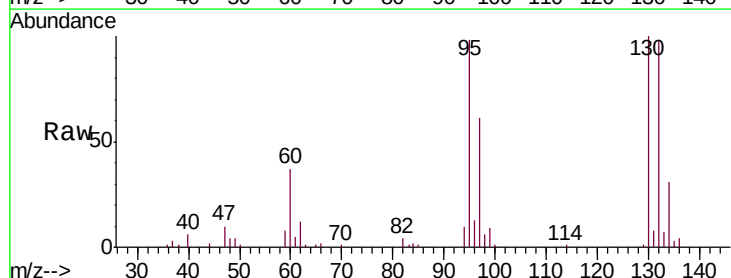
Ion Ratio Lower Upper

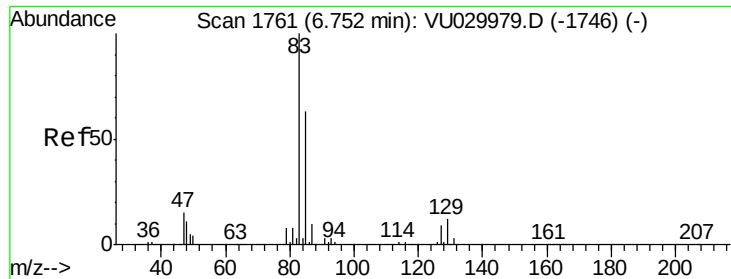
95 100

97 62.7 45.5 84.5

132 100.7 71.5 132.7

130 102.4 73.5 136.5

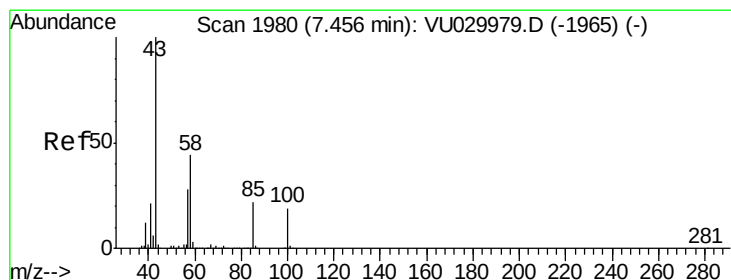
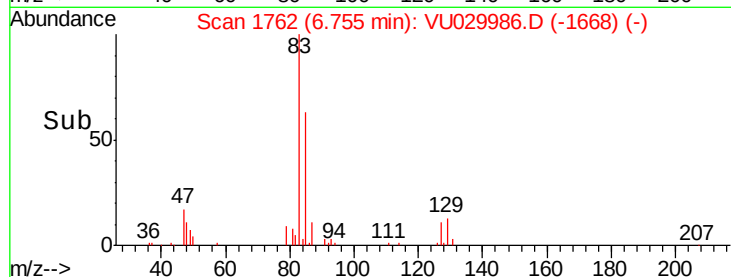
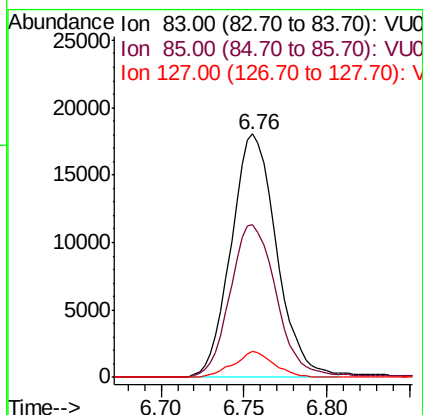
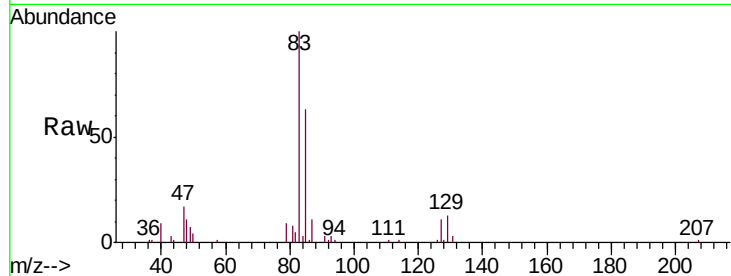




#38
 Bromodichloromethane
 Concen: 6.493 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU029986.D
 Acq: 11 Mar 2019 23:24

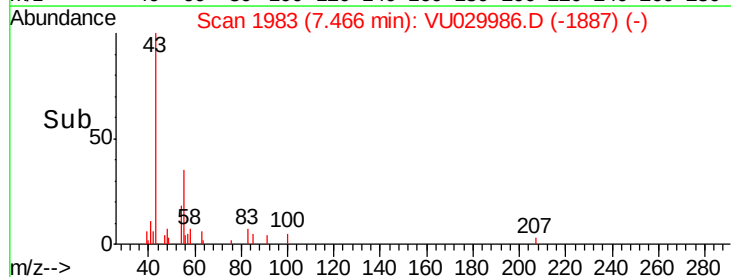
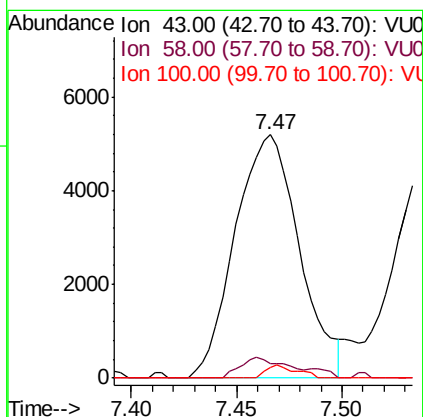
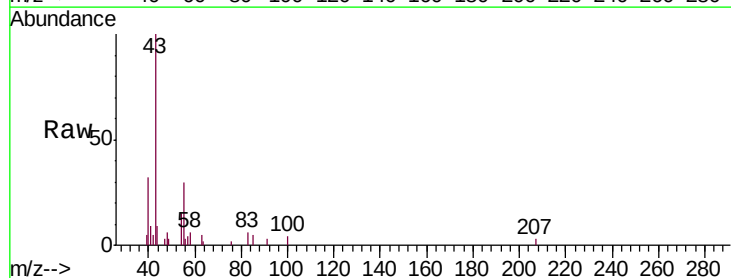
Instrument :
 MSVOA_U
 ClientSampleId :
 C0959

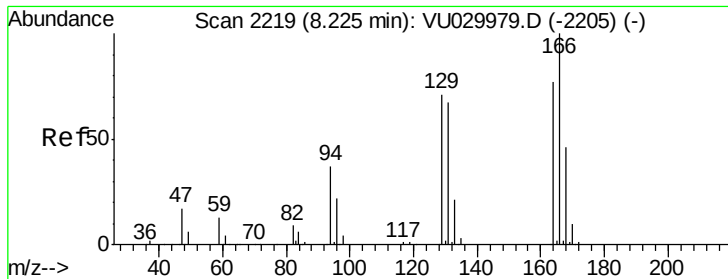
Tgt Ion: 83 Resp: 34363
 Ion Ratio Lower Upper
 83 100
 85 62.8 45.7 84.9
 127 10.9 7.7 11.5



#40
 4-Methyl-2-pentanone
 Concen: 1.914 ug/L
 RT: 7.47 min Scan# 1983
 Delta R.T. 0.01 min
 Lab File: VU029986.D
 Acq: 11 Mar 2019 23:24

Tgt Ion: 43 Resp: 10997
 Ion Ratio Lower Upper
 43 100
 58 4.3 35.1 52.7#
 100 2.1 14.4 21.6#

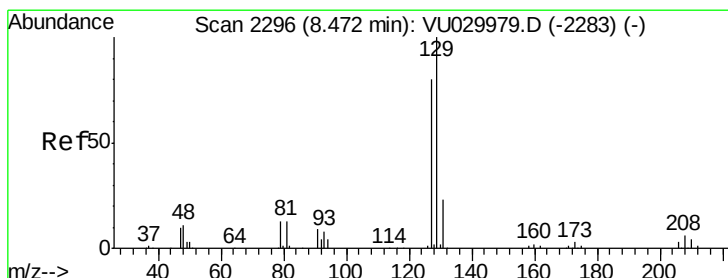
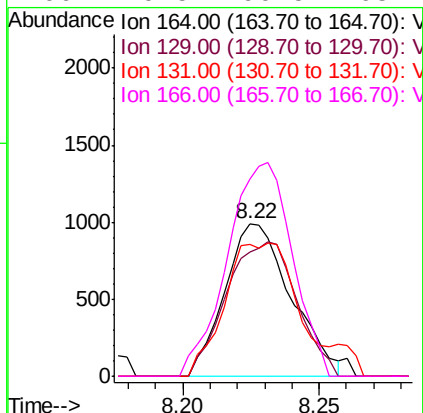
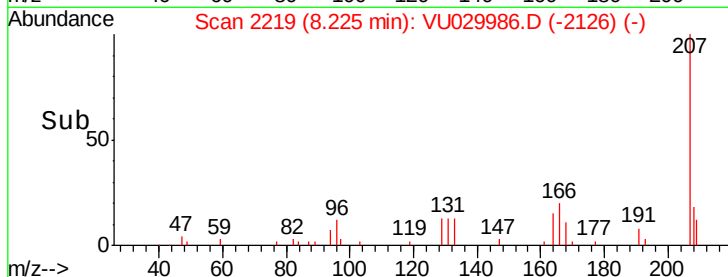
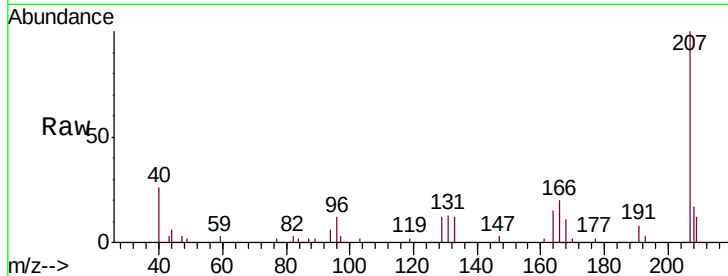




#46
Tetrachloroethene
Concen: 0.451 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.00 min
Lab File: VU029986.D
Acq: 11 Mar 2019 23:24

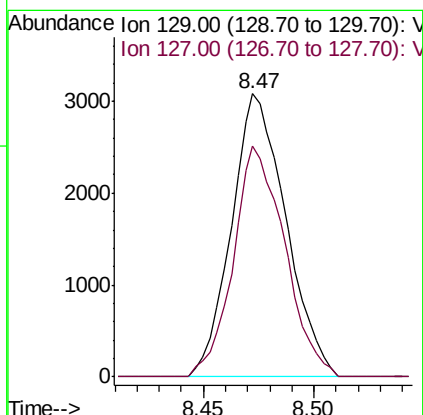
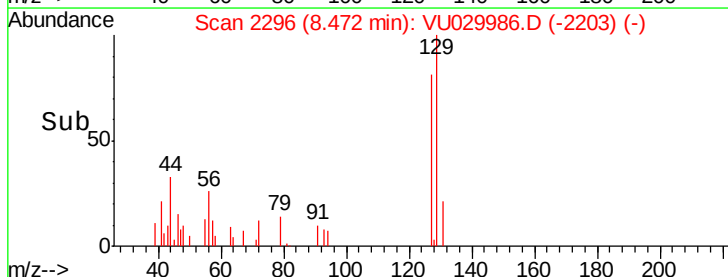
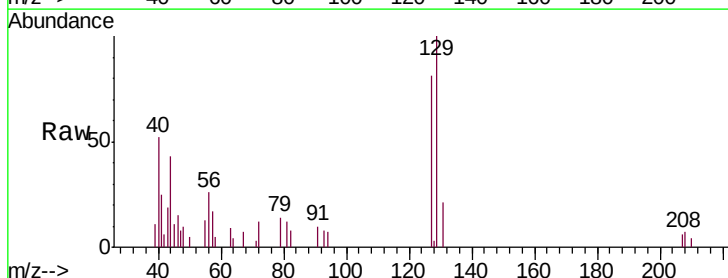
Instrument :
MSVOA_U
ClientSampleId :
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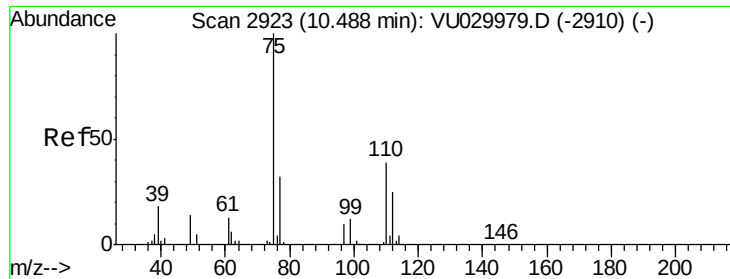
Tgt Ion:164 Resp: 1672
Ion Ratio Lower Upper
164 100
129 81.1 63.3 117.7
131 86.2 62.0 115.2
166 129.5 90.5 168.1



#49
Dibromochloromethane
Concen: 1.109 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU029986.D
Acq: 11 Mar 2019 23:24

Tgt Ion:129 Resp: 5275
Ion Ratio Lower Upper
129 100
127 81.4 55.2 102.4

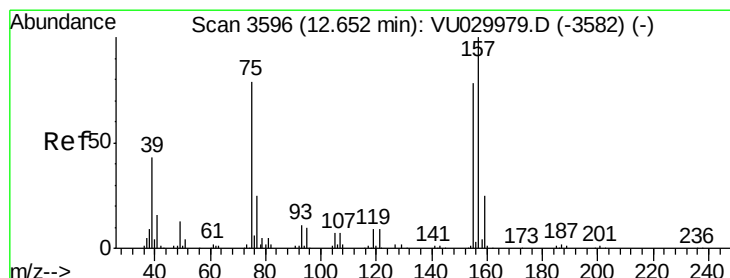
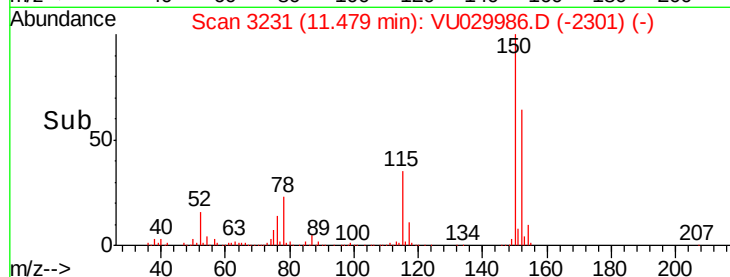
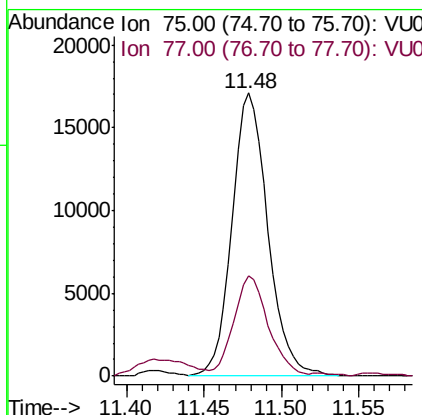
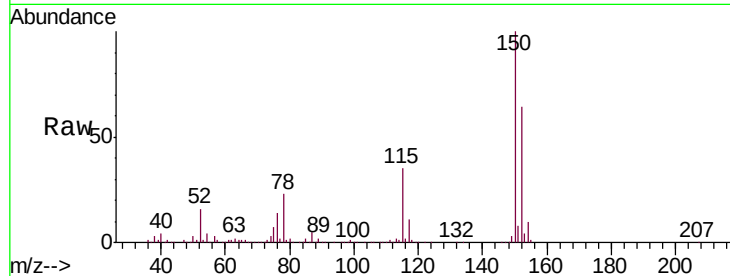




#59
 1,2,3-Trichloropropane
 Concen: 4.961 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU029986.D
 Acq: 11 Mar 2019 23:24

Instrument :
 MSVOA_U
 ClientSampleId :
 C0959

Tgt Ion: 75 Resp: 27499
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.8 38.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.876 ug/L
 RT: 12.77 min Scan# 3634
 Delta R.T. 0.12 min
 Lab File: VU029986.D
 Acq: 11 Mar 2019 23:24

Tgt Ion: 75 Resp: 2580
 Ion Ratio Lower Upper
 75 100
 155 0.0 80.9 121.3#
 157 0.0 104.6 156.8#

