

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031519\
 Data File : VU030022.D
 Acq On : 13 Mar 2019 11:41
 Operator : JC/SP
 Sample : K1763-04RE 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0959RE

Quant Time: Mar 14 01:39:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 14 01:36:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	491292	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	476035	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	235684	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	184	0.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	0.12%#
7) Chloroethane-d5	1.68	69	127981	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.58%
11) 1,1-Dichloroethene-d2	2.27	63	23365	3.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	7.96%#
21) 2-Butanone-d5	4.17	46	238184	97.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.83%
24) Chloroform-d	4.65	84	303130	52.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.31	65	170324	50.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.16%
32) Benzene-d6	5.34	84	597614	48.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.54%
36) 1,2-Dichloropropane-d6	6.33	67	189383	50.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.00%
41) Toluene-d8	7.57	98	5151	0.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	0.90%#
43) trans-1,3-Dichloropropene-	7.85	79	10690	5.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	11.76%#
47) 2-Hexanone-d5	8.31	63	191661	91.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.33%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	282423	49.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	232370	50.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

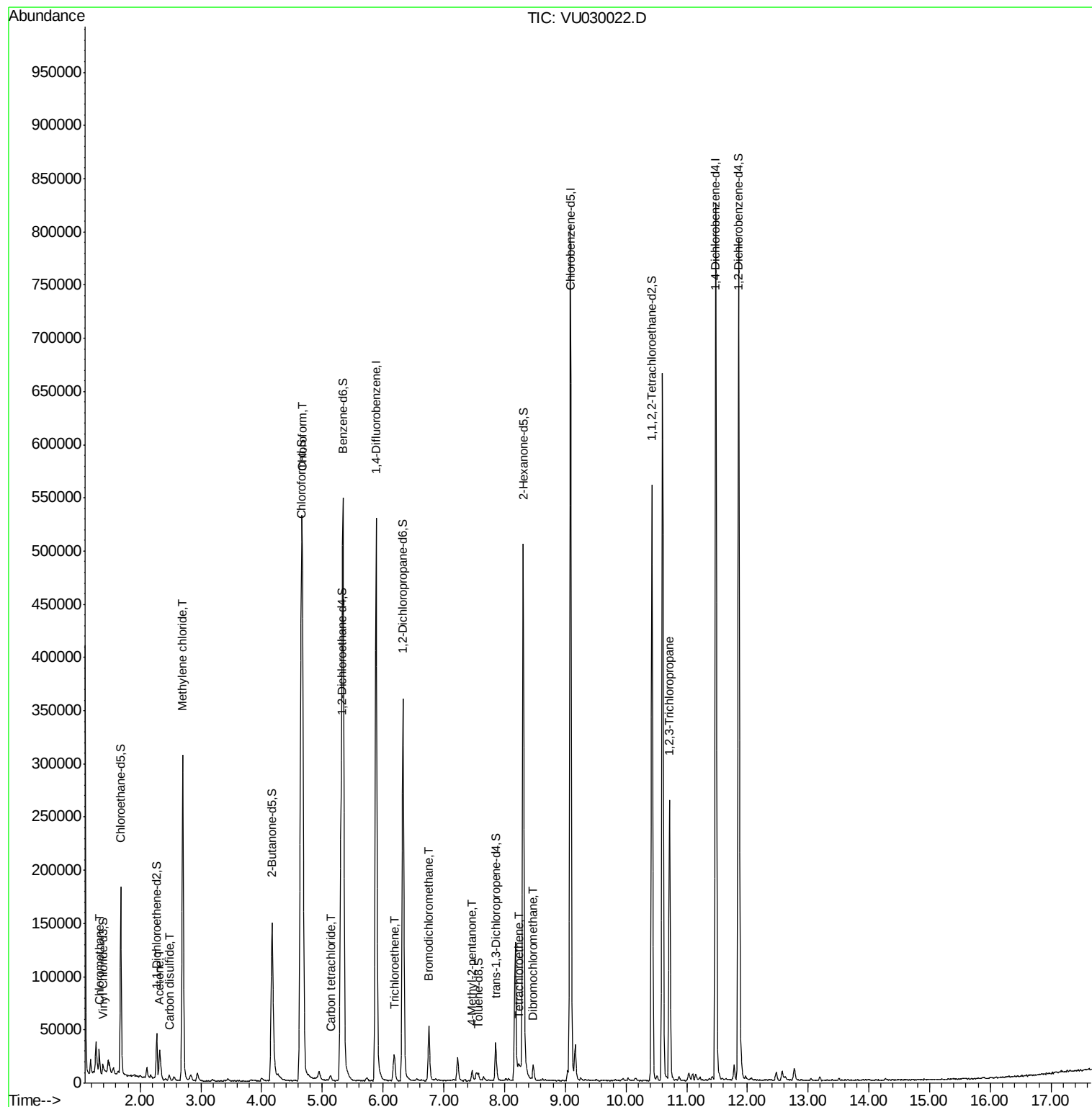
					Qvalue
3) Chloromethane	1.33	50	14512	4.237	ug/L 98
13) Acetone	2.32	43	27324	9.598	ug/L 98
14) Carbon disulfide	2.48	76	7165	0.751	ug/L # 90
16) Methylene chloride	2.70	84	146961	40.418	ug/L 99
25) Chloroform	4.67	83	443406	73.375	ug/L 99
31) Carbon tetrachloride	5.13	117	3283	0.715	ug/L 99
34) Trichloroethene	6.19	95	7447	2.086	ug/L 99
38) Bromodichloromethane	6.76	83	35156	7.890	ug/L 96
40) 4-Methyl-2-pentanone	7.46	43	9407	1.944	ug/L # 45
46) Tetrachloroethene	8.23	164	1473	0.471	ug/L 88
49) Dibromochloromethane	8.48	129	5704	1.425	ug/L 98
59) 1,2,3-Trichloropropane	10.72	75	3856	0.826	ug/L 92

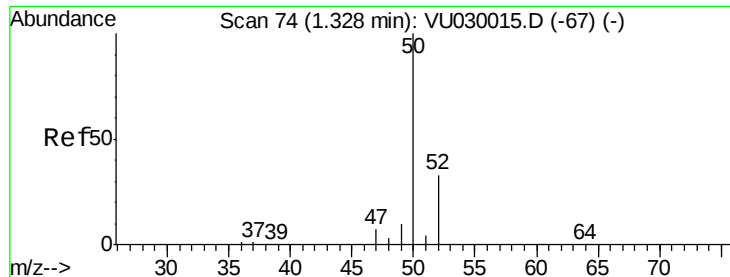
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Mar 14 01:36:14 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 4.237 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU030022.D

Acq: 13 Mar 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

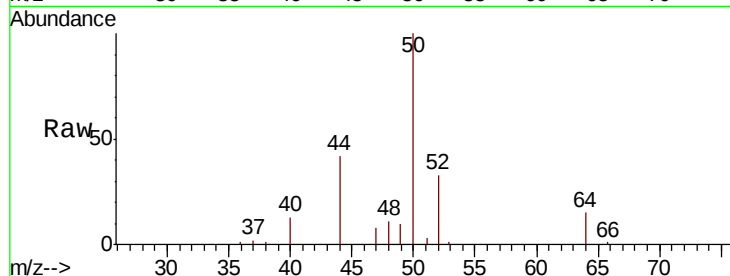
C0959RE

Tgt Ion: 50 Resp: 14512

Ion Ratio Lower Upper

50 100

52 32.6 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VU030015.D (-67) (-)

Ion 52.00 (51.70 to 52.70): VU030015.D (-67) (-)

1.33

15000

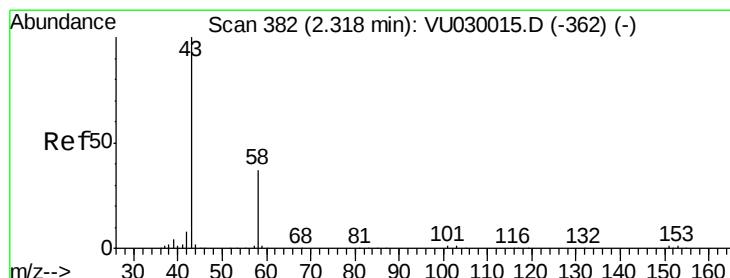
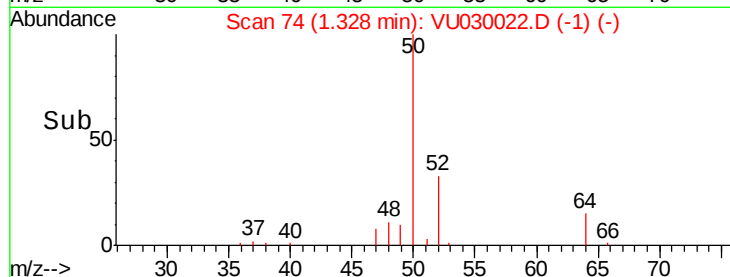
10000

5000

0

Time-->

1.30 1.35



#13

Acetone

Concen: 9.598 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030022.D

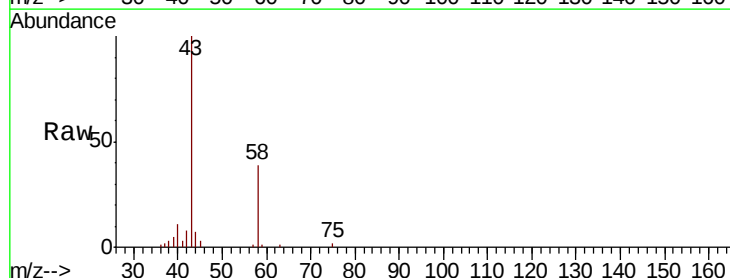
Acq: 13 Mar 2019 11:41

Tgt Ion: 43 Resp: 27324

Ion Ratio Lower Upper

43 100

58 37.5 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VU030015.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030015.D (-362) (-)

2.32

15000

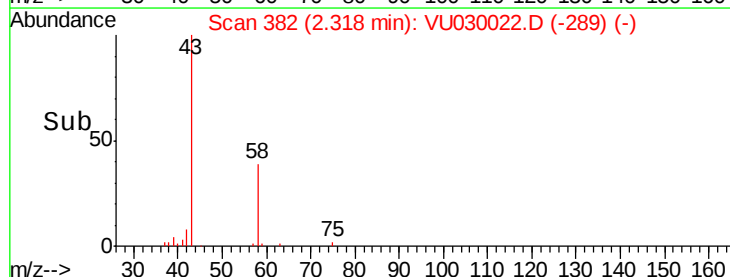
10000

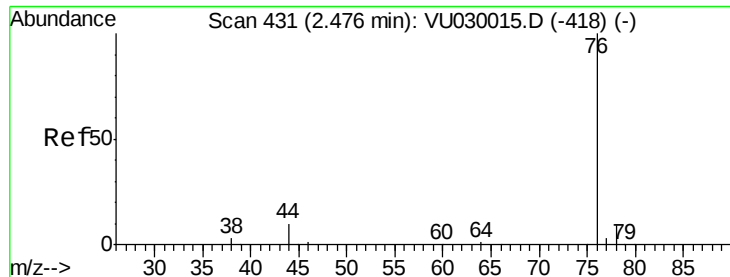
5000

0

Time-->

2.25 2.30 2.35 2.40





#14

Carbon disulfide

Concen: 0.751 ug/L

RT: 2.48 min Scan# 432

Delta R.T. 0.00 min

Lab File: VU030022.D

Acq: 13 Mar 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

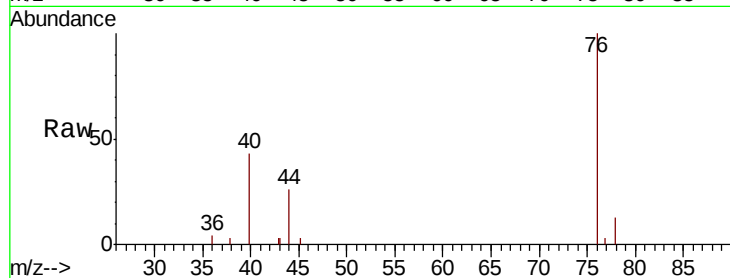
C0959RE

Tgt Ion: 76 Resp: 7165

Ion Ratio Lower Upper

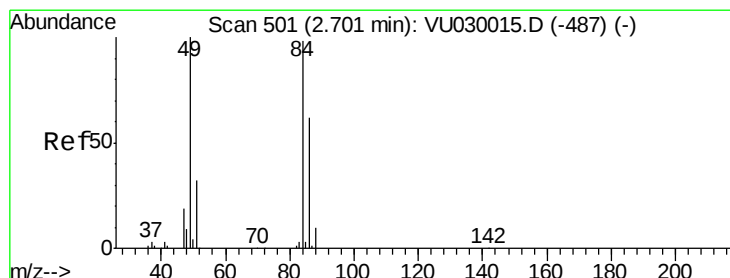
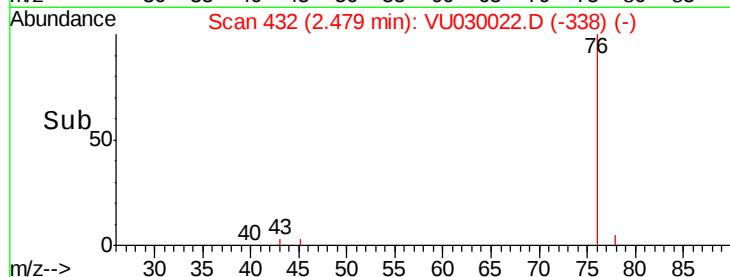
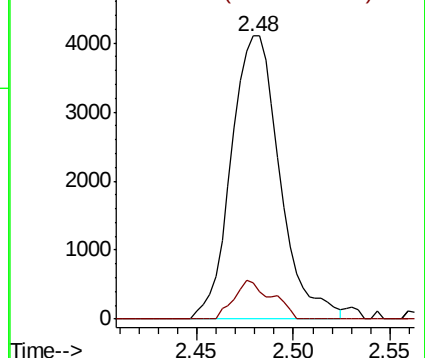
76 100

78 12.8 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VU030015.D (-418) (-)

Ion 78.00 (77.70 to 78.70): VU030015.D (-418) (-)



#16

Methylene chloride

Concen: 40.418 ug/L

RT: 2.70 min Scan# 501

Delta R.T. 0.00 min

Lab File: VU030022.D

Acq: 13 Mar 2019 11:41

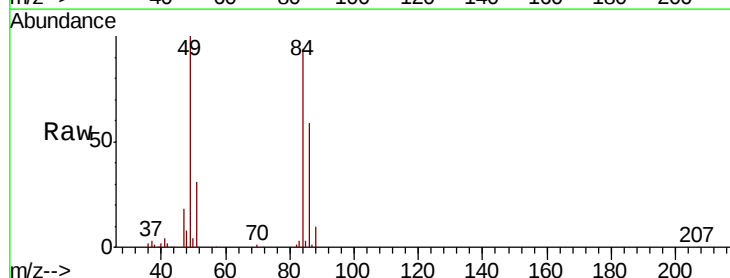
Tgt Ion: 84 Resp: 146961

Ion Ratio Lower Upper

84 100

86 63.1 45.2 84.0

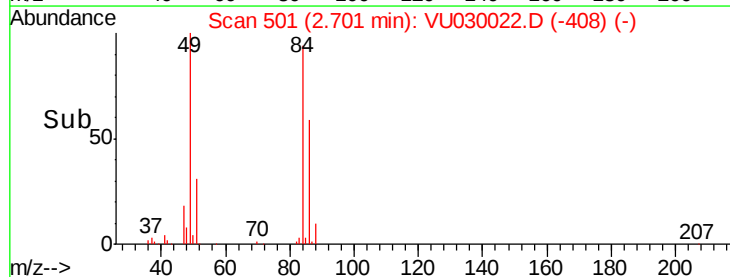
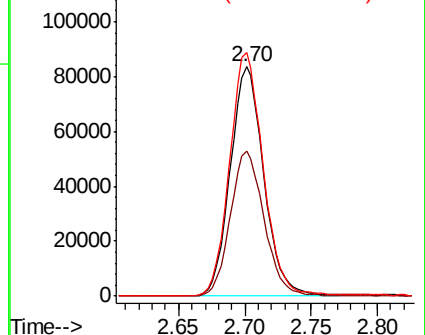
49 106.3 73.6 136.6

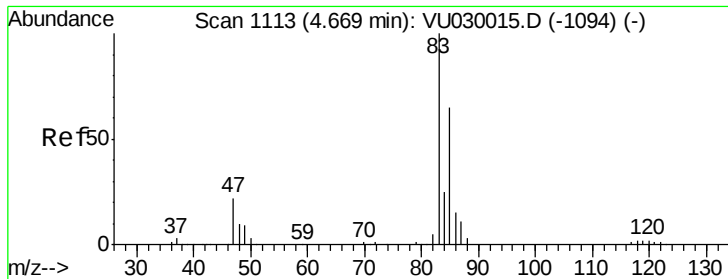


Abundance Ion 84.00 (83.70 to 84.70): VU030015.D (-487) (-)

Ion 86.00 (85.70 to 86.70): VU030015.D (-487) (-)

Ion 49.00 (48.70 to 49.70): VU030015.D (-487) (-)

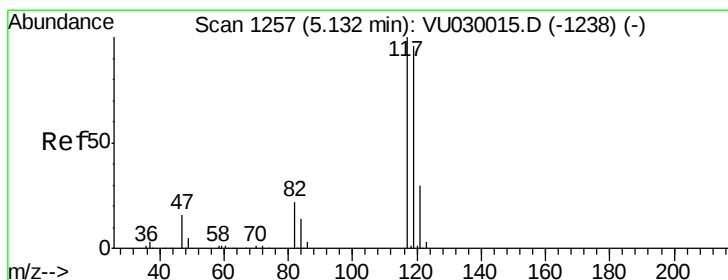
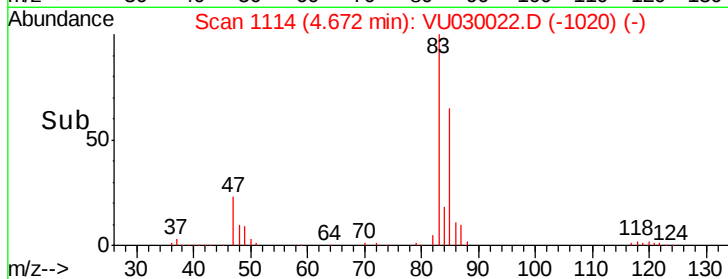
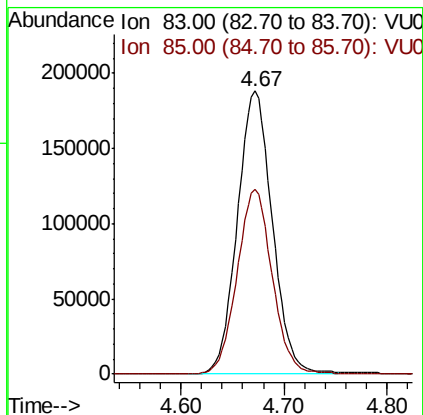
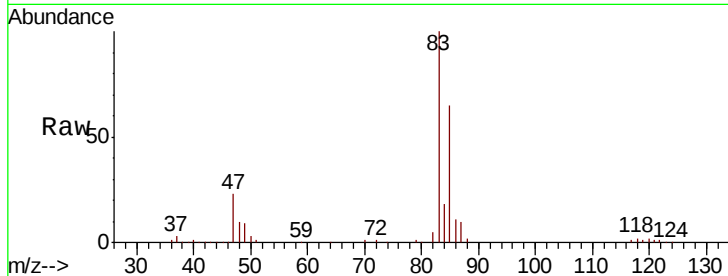




#25
Chloroform
Concen: 73.375 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU030022.D
Acq: 13 Mar 2019 11:41

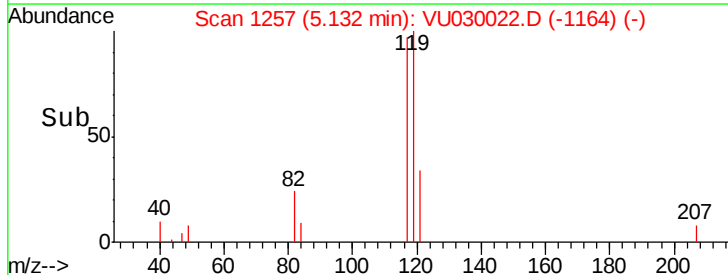
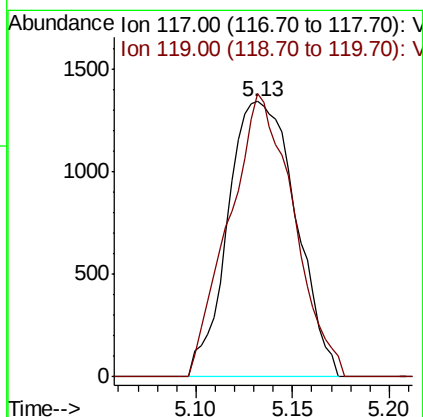
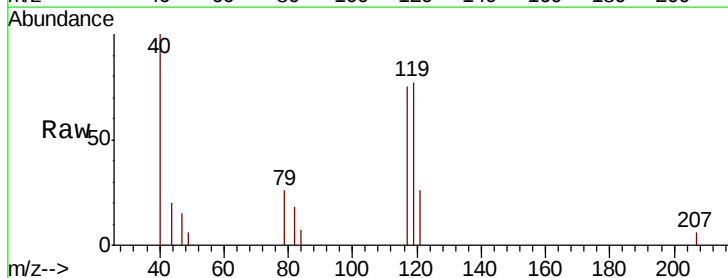
Instrument :
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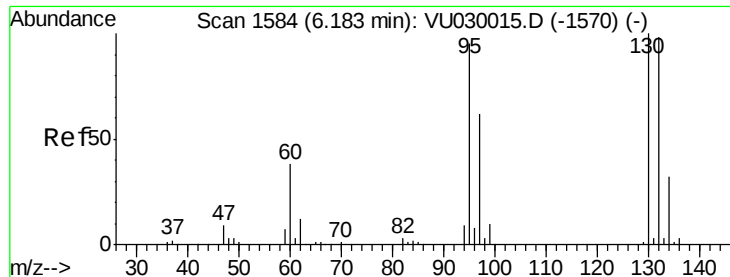
Tgt Ion: 83 Resp: 443406
Ion Ratio Lower Upper
83 100
85 65.1 44.9 83.5



#31
Carbon tetrachloride
Concen: 0.715 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VU030022.D
Acq: 13 Mar 2019 11:41

Tgt Ion: 117 Resp: 3283
Ion Ratio Lower Upper
117 100
119 97.7 77.3 115.9





#34

Trichloroethene

Concen: 2.086 ug/L

RT: 6.19 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VU030022.D

Acq: 13 Mar 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

C0959RE

Tgt Ion: 95 Resp: 7447

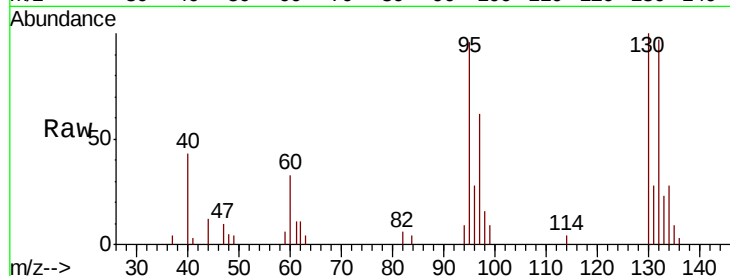
Ion Ratio Lower Upper

95 100

97 65.3 45.5 84.5

132 101.2 71.5 132.7

130 104.6 73.5 136.5

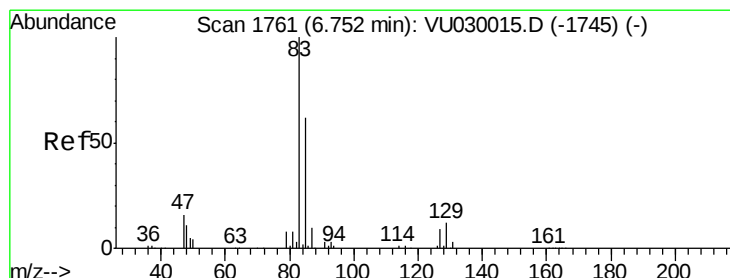
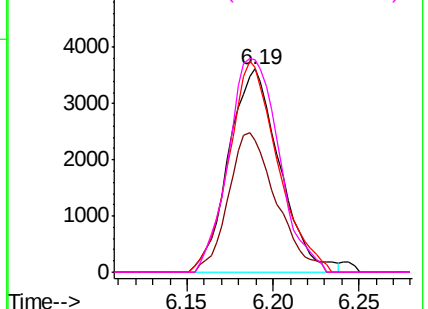
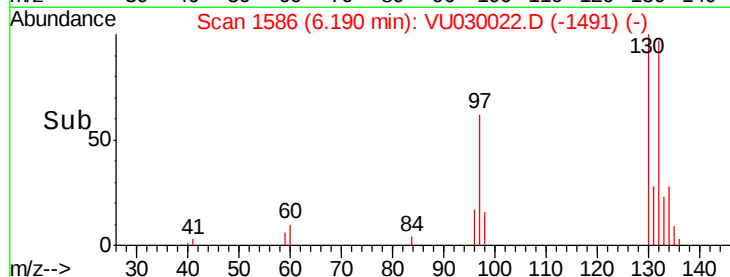


Abundance Ion 95.00 (94.70 to 95.70): VU030015.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU030015.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU030015.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU030015.D (-1570) (-)



#38

Bromodichloromethane

Concen: 7.890 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU030022.D

Acq: 13 Mar 2019 11:41

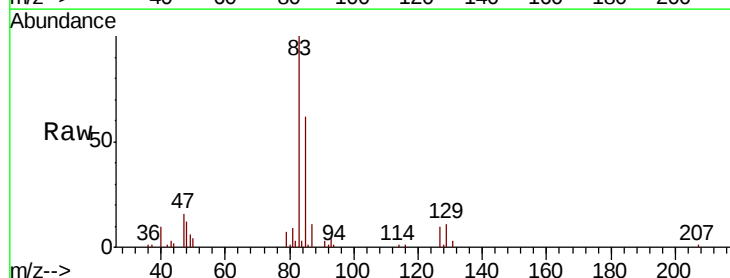
Tgt Ion: 83 Resp: 35156

Ion Ratio Lower Upper

83 100

85 62.0 45.7 84.9

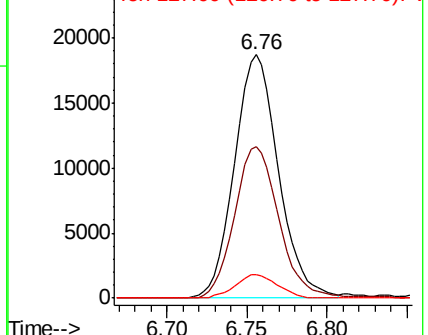
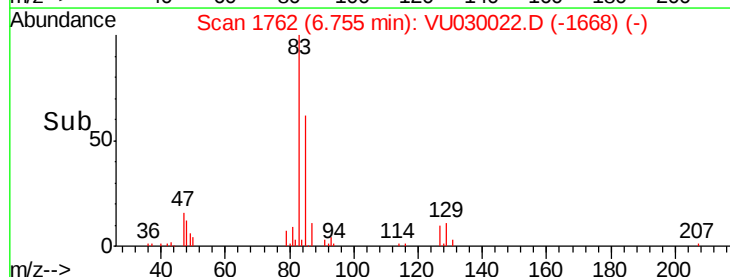
127 9.8 7.7 11.5

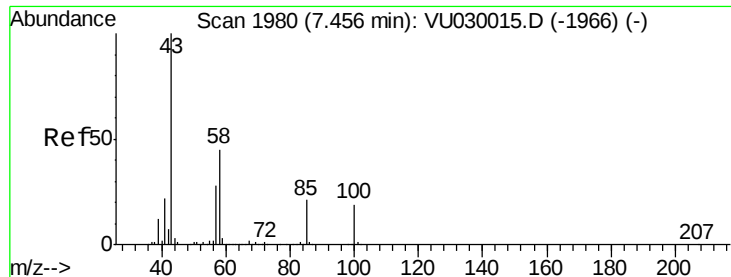


Abundance Ion 83.00 (82.70 to 83.70): VU030015.D (-1745) (-)

Ion 85.00 (84.70 to 85.70): VU030015.D (-1745) (-)

Ion 127.00 (126.70 to 127.70): VU030015.D (-1745) (-)

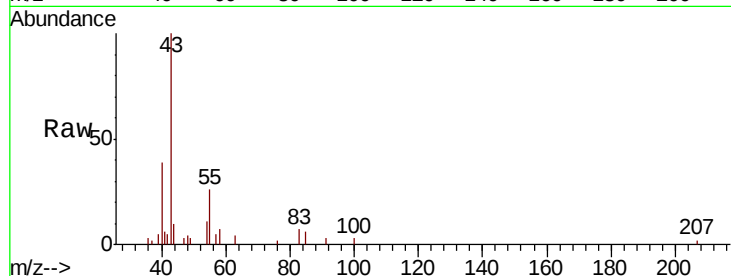




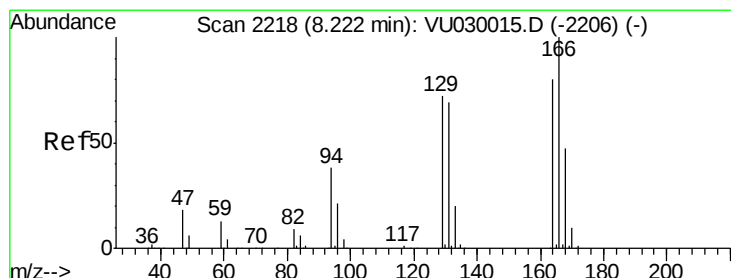
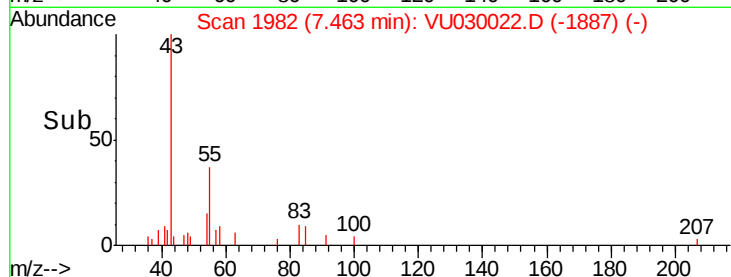
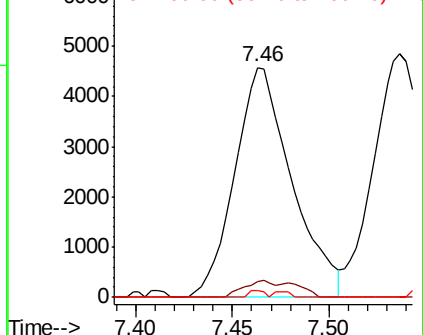
#40
4-Methyl-2-pentanone
Concen: 1.944 ug/L
RT: 7.46 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VU030022.D
Acq: 13 Mar 2019 11:41

Instrument :
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Tgt Ion: 43 Resp: 9407
Ion Ratio Lower Upper
43 100
58 3.9 35.1 52.7#
100 0.8 14.4 21.6#

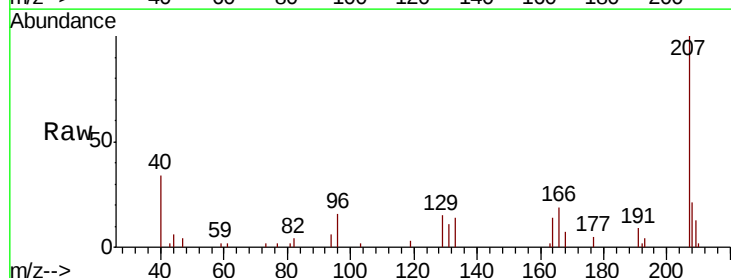


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

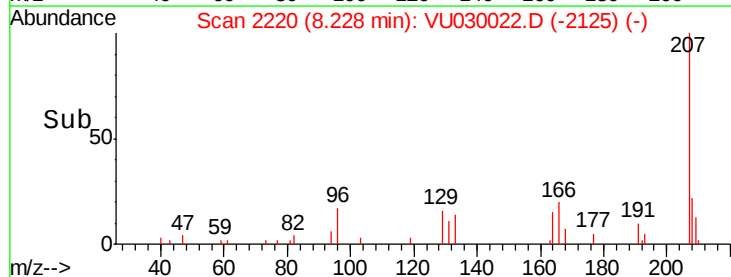
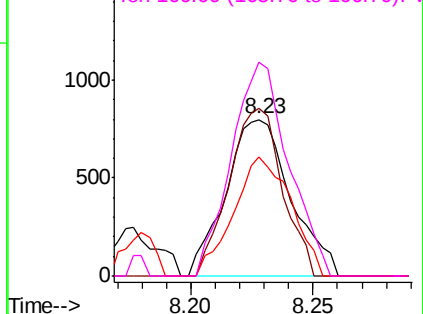


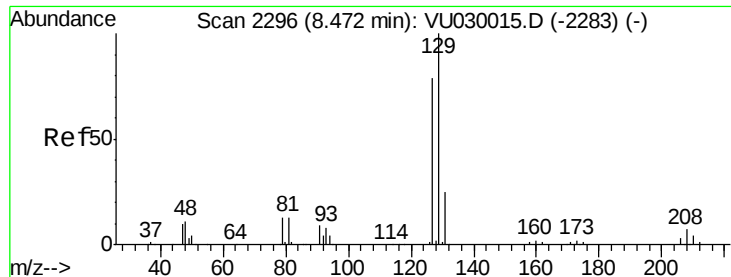
#46
Tetrachloroethene
Concen: 0.471 ug/L
RT: 8.23 min Scan# 2220
Delta R.T. 0.01 min
Lab File: VU030022.D
Acq: 13 Mar 2019 11:41

Tgt Ion: 164 Resp: 1473
Ion Ratio Lower Upper
164 100
129 107.1 63.3 117.7
131 76.3 62.0 115.2
166 136.4 90.5 168.1



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V





#49

Dibromochloromethane

Concen: 1.425 ug/L

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU030022.D

Acq: 13 Mar 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

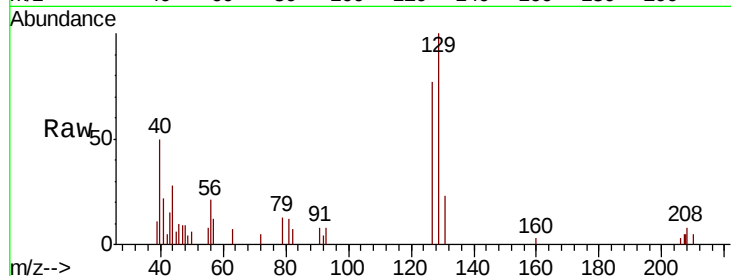
C0959RE

Tgt Ion:129 Resp: 5704

Ion Ratio Lower Upper

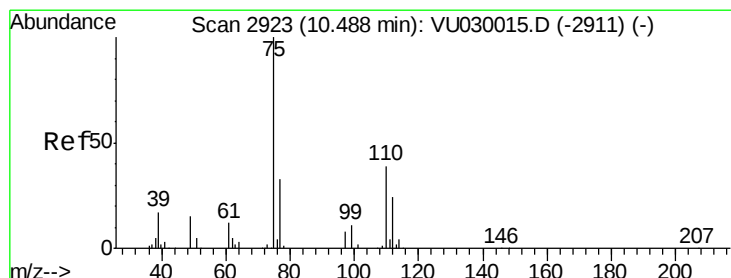
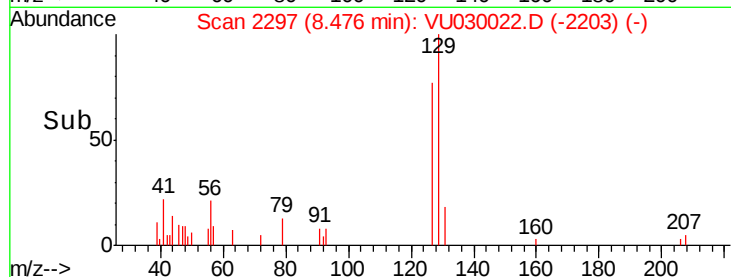
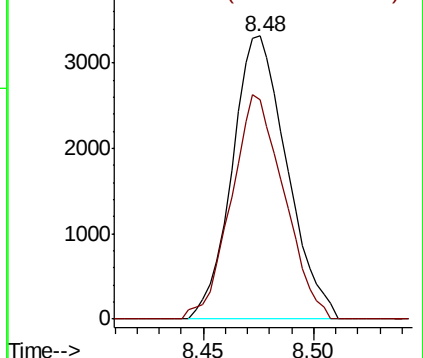
129 100

127 77.4 55.2 102.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 0.826 ug/L

RT: 10.72 min Scan# 2995

Delta R.T. 0.23 min

Lab File: VU030022.D

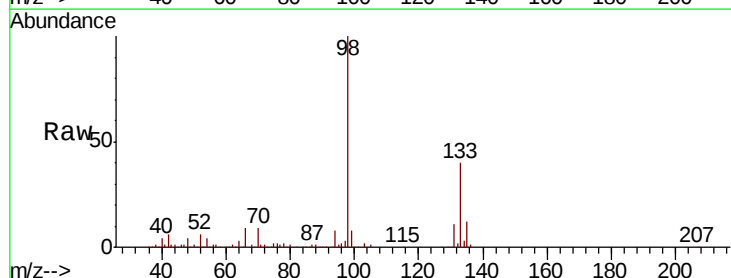
Acq: 13 Mar 2019 11:41

Tgt Ion: 75 Resp: 3856

Ion Ratio Lower Upper

75 100

77 36.9 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

