

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052019\
 Data File : VU032169.D
 Acq On : 20 May 2019 21:08
 Operator : JC/SP
 Sample : K2889-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 21 08:40:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 21 08:29:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	351844	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	361258	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	142421	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	98779	3.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.60%
7) Chloroethane-d5	1.68	69	85733	3.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	67.80%
11) 1,1-Dichloroethene-d2	2.27	63	137795	2.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.40%#
20) 2-Butanone-d5	4.20	46	246812	42.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.84%
24) Chloroform-d	4.64	84	211412	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.20%
26) 1,2-Dichloroethane-d4	5.31	65	108821	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
32) Benzene-d6	5.33	84	411200	3.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.60%
36) 1,2-Dichloropropane-d6	6.32	67	124077	3.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.00%
41) Toluene-d8	7.56	98	338787	3.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.80%#
43) trans-1,3-Dichloropropene-	7.85	79	41630	3.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.80%
46) 2-Hexanone-d5	8.31	63	216312	41.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.62%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	110772	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	133194	4.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.20%

Target Compounds

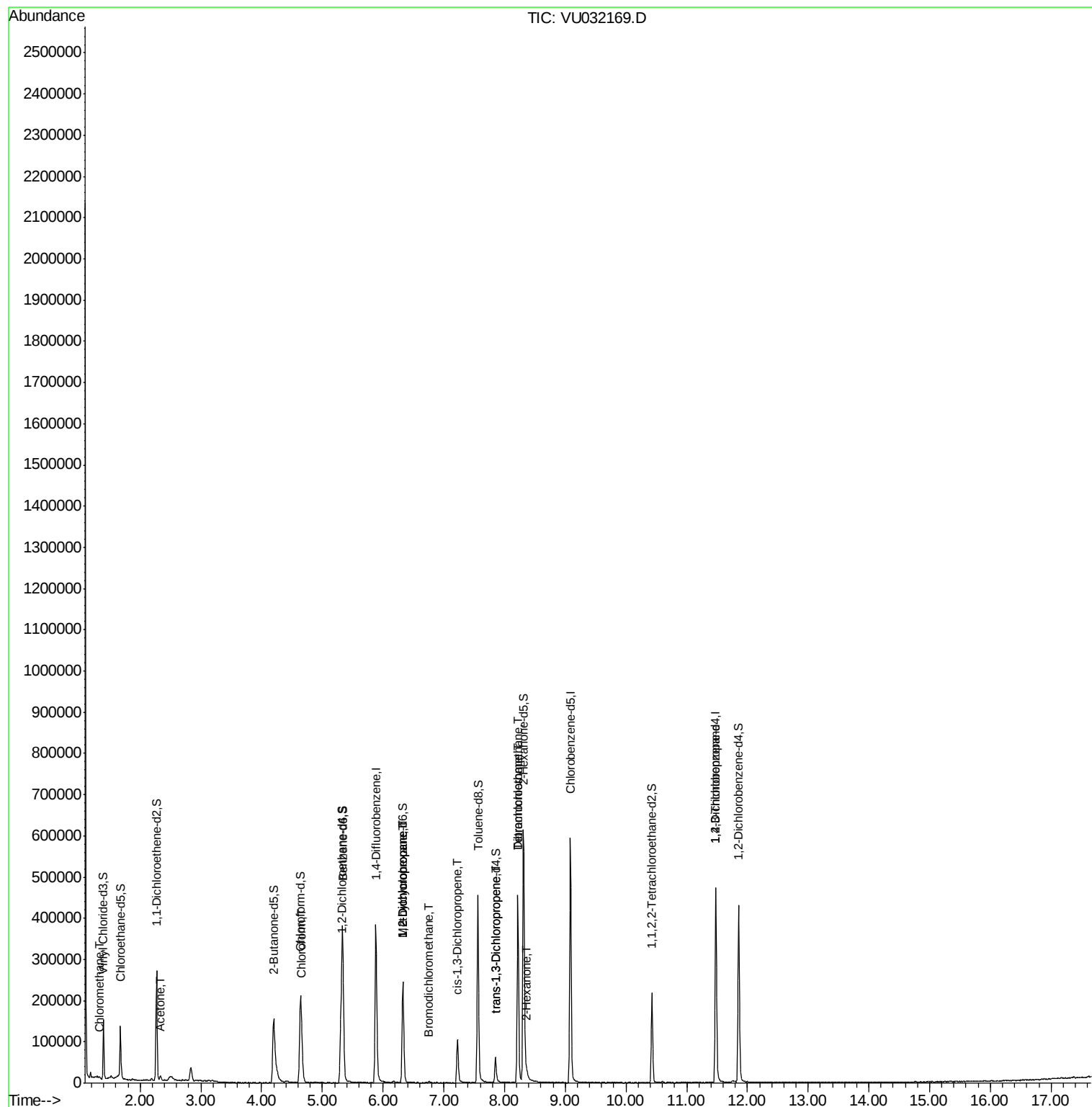
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.32	50	2897	0.171	ug/L	90
13) Acetone	2.33	43	7009	3.669	ug/L	91
25) Chloroform	4.67	83	43650	1.701	ug/L	93
35) Methylcyclohexane	6.32	83	31813	1.468	ug/L #	20
37) 1,2-Dichloropropane	6.33	63	13243	0.976	ug/L #	87
38) Bromodichloromethane	6.76	83	2608	0.150	ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	2833	0.151	ug/L #	72
44) trans-1,3-Dichloropropene	7.85	75	1551	0.106	ug/L	90
47) Tetrachloroethene	8.22	164	110456	9.820	ug/L	94
48) 2-Hexanone	8.37	43	8047	1.650	ug/L #	85
49) Dibromochloromethane	8.22	129	102573	8.883	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	14789	1.717	ug/L	95

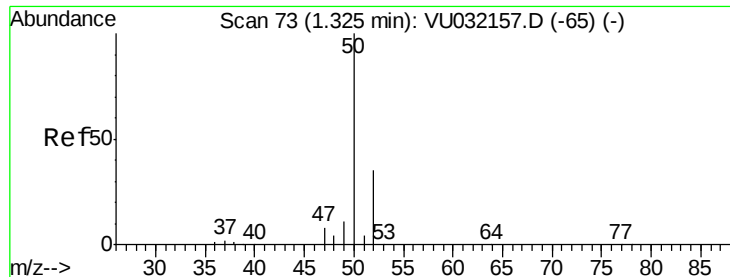
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.171 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032169.D

Acq: 20 May 2019 21:08

Instrument :

MSVOA_U

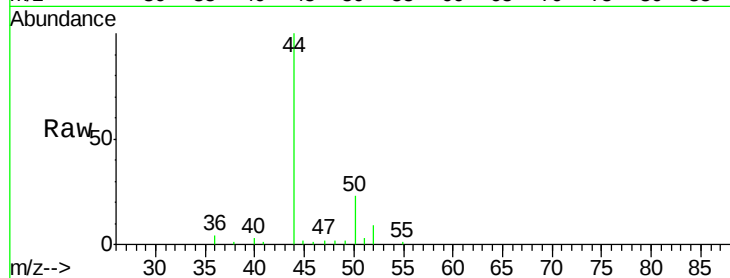
ClientSampleId :

Tot Ion: 50 Resp: 2897

Ion Ratio Lower Upper

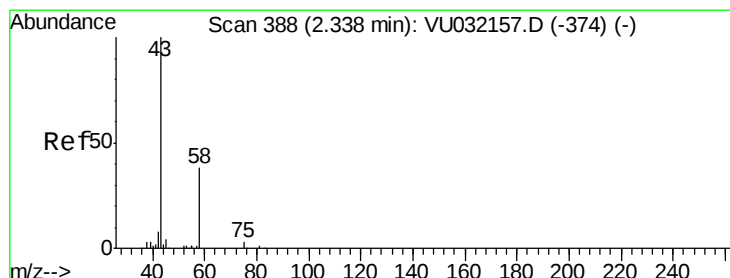
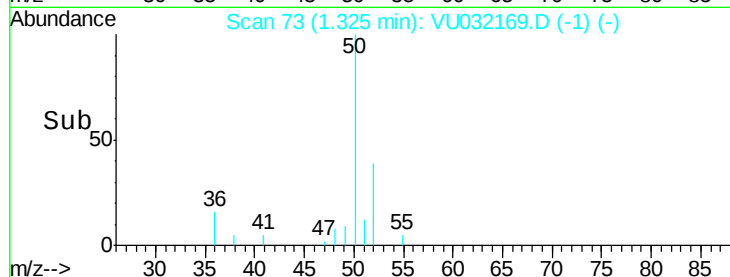
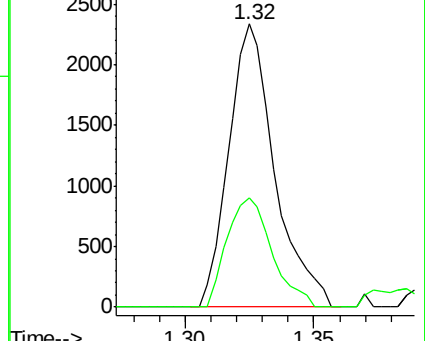
50 100

52 38.8 23.2 43.0



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#13

Acetone

Concen: 3.669 ug/L

RT: 2.33 min Scan# 387

Delta R.T. -0.00 min

Lab File: VU032169.D

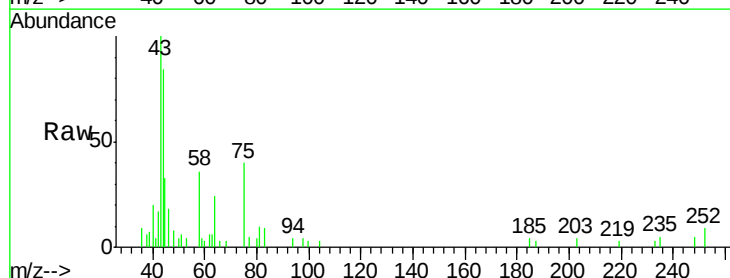
Acq: 20 May 2019 21:08

Tgt Ion: 43 Resp: 7009

Ion Ratio Lower Upper

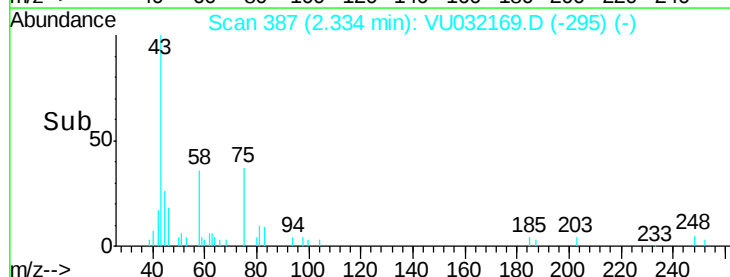
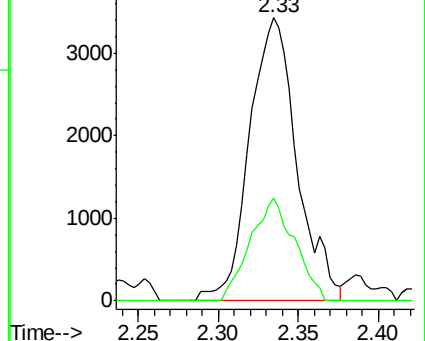
43 100

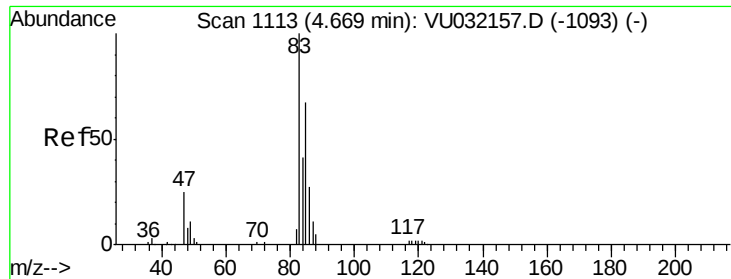
58 33.8 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#25

Chloroform

Concen: 1.701 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU032169.D

Acq: 20 May 2019 21:08

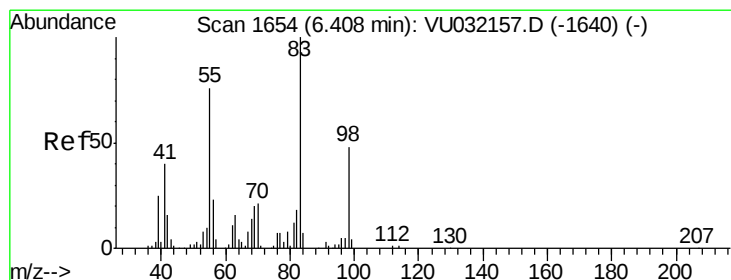
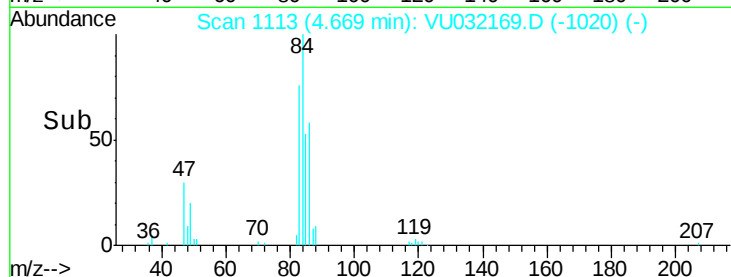
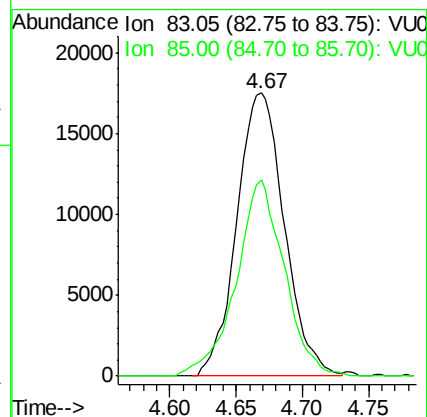
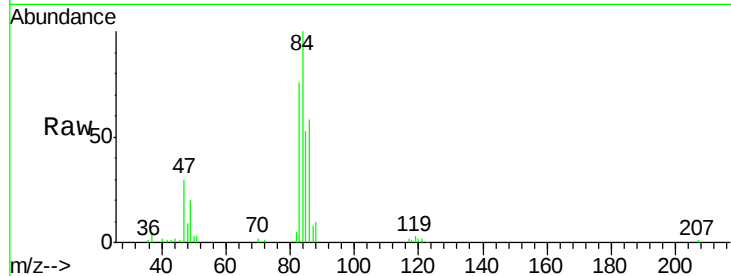
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 43650

Ion Ratio Lower Upper

83 100

85 69.6 44.9 83.3



#35

Methylcyclohexane

Concen: 1.468 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032169.D

Acq: 20 May 2019 21:08

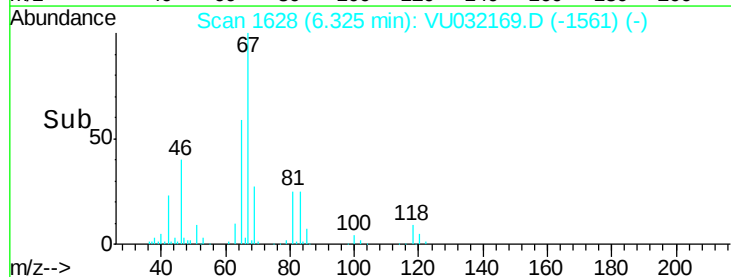
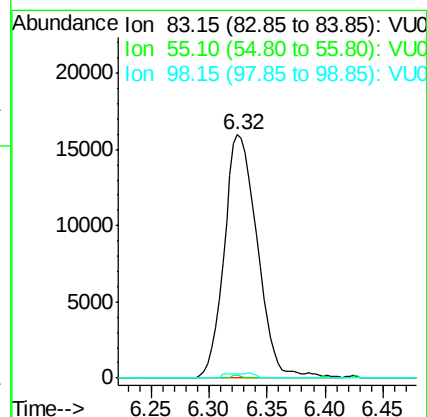
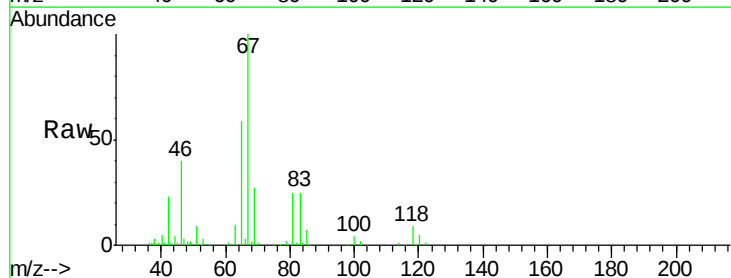
Tgt Ion: 83 Resp: 31813

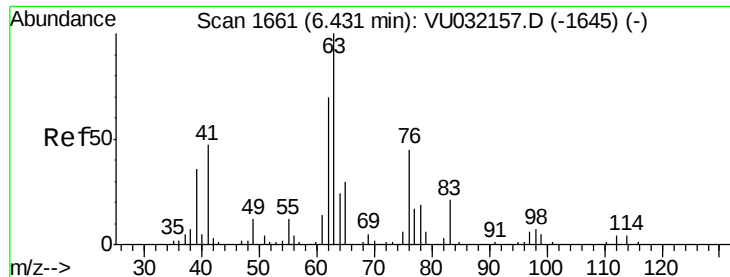
Ion Ratio Lower Upper

83 100

55 0.3 59.7 89.5#

98 1.0 36.8 55.2#

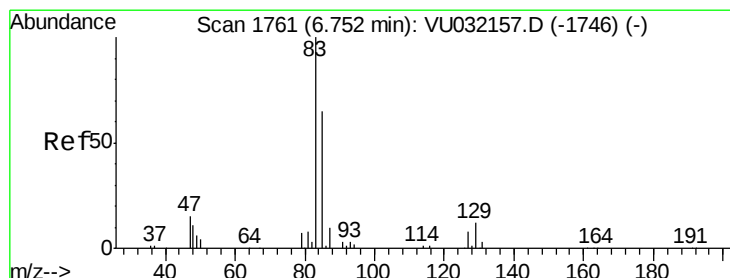
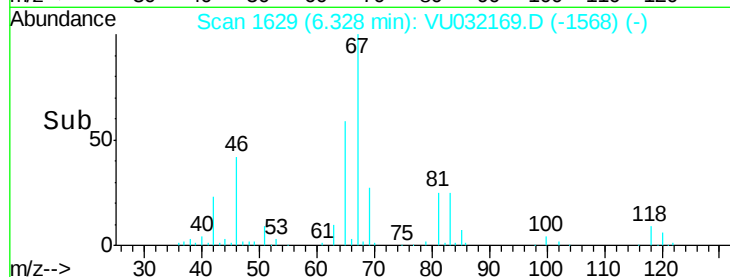
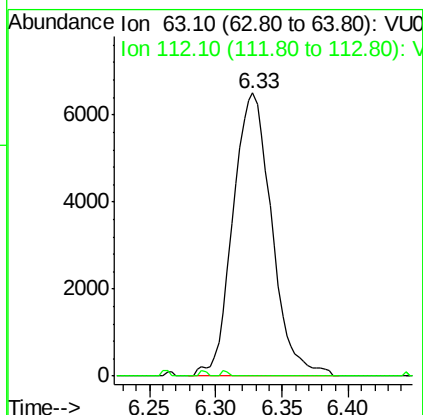
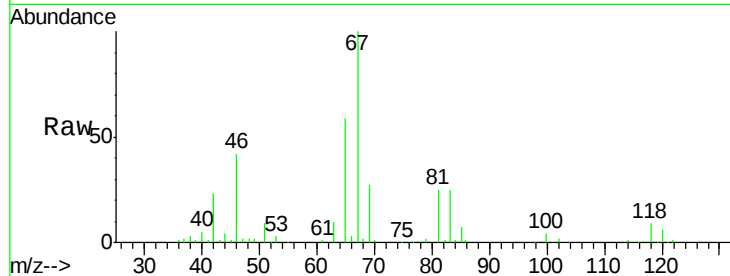




#37
 1,2-Dichloropropane
 Concen: 0.976 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.10 min
 Lab File: VU032169.D
 Acq: 20 May 2019 21:08

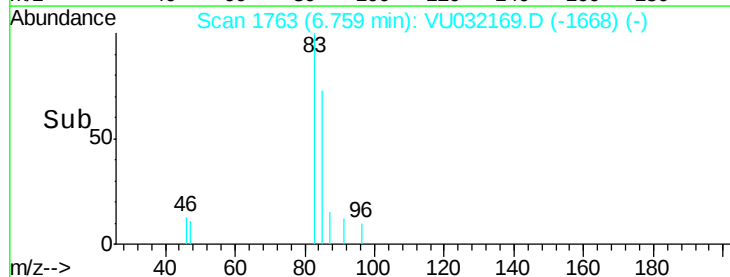
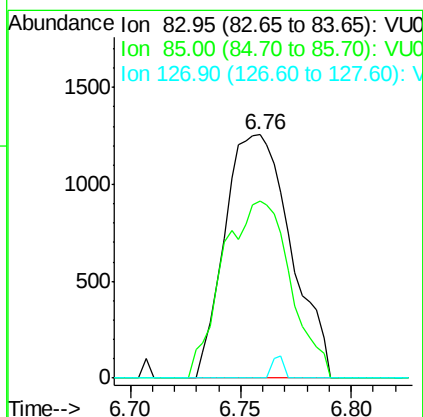
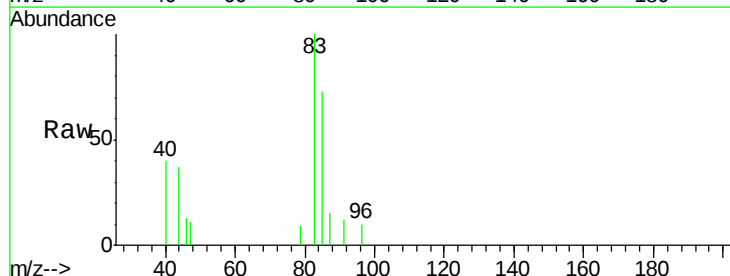
Instrument :
 MSVOA_U
 ClientSampleId :

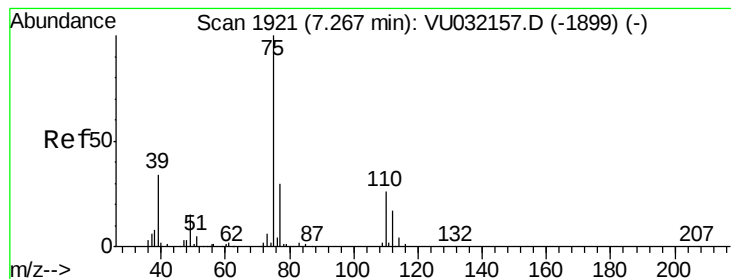
Tot Ion: 63 Resp: 13243
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 0.150 ug/L
 RT: 6.76 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: VU032169.D
 Acq: 20 May 2019 21:08

Tgt Ion: 83 Resp: 2608
 Ion Ratio Lower Upper
 83 100
 85 72.6 45.5 84.5
 127 0.0 6.3 9.5#



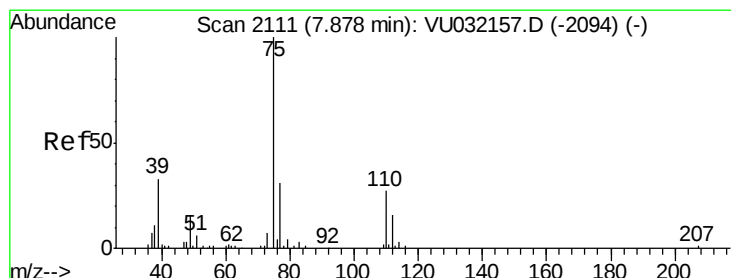
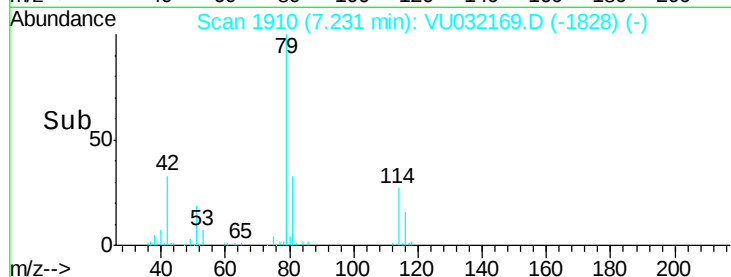
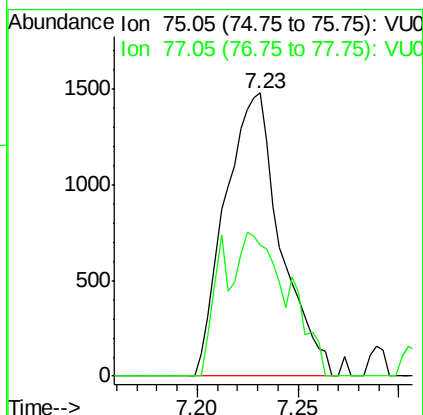
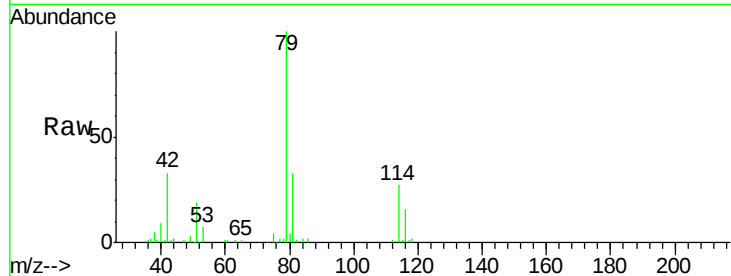


#39

cis-1,3-Dichloropropene
 Concen: 0.151 ug/L
 RT: 7.23 min Scan# 1910
 Delta R.T. -0.04 min
 Lab File: VU032169.D
 Acq: 20 May 2019 21:08

Instrument :
 MSVOA_U
 ClientSampled :

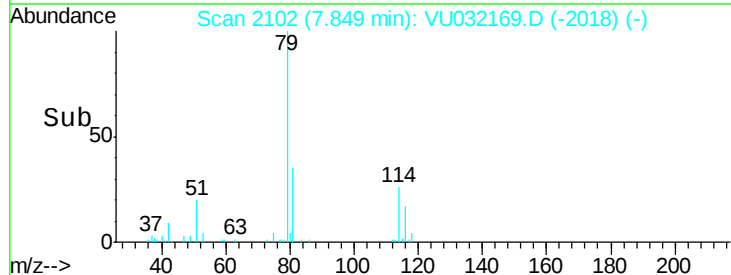
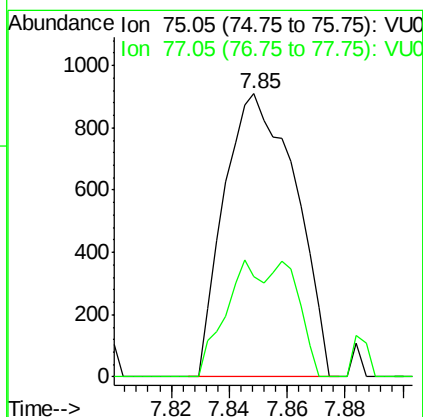
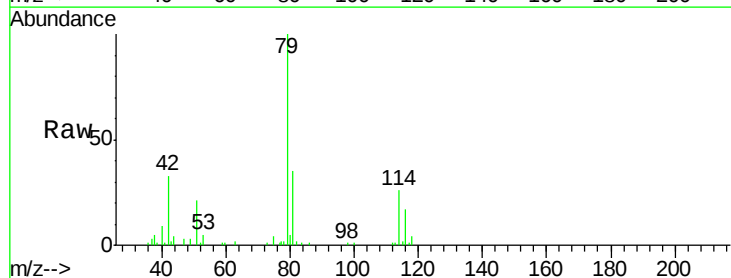
Tot Ion: 75 Resp: 2833
 Ion Ratio Lower Upper
 75 100
 77 46.4 21.7 40.3#

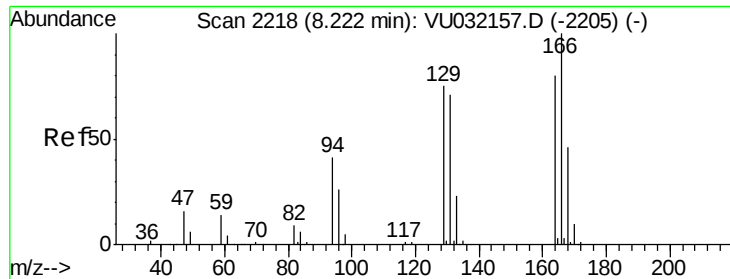


#44

trans-1,3-Dichloropropene
 Concen: 0.106 ug/L
 RT: 7.85 min Scan# 2102
 Delta R.T. -0.03 min
 Lab File: VU032169.D
 Acq: 20 May 2019 21:08

Tgt Ion: 75 Resp: 1551
 Ion Ratio Lower Upper
 75 100
 77 35.5 21.0 39.0





#47

Tetrachloroethene

Concen: 9.820 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032169.D

Acq: 20 May 2019 21:08

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 110456

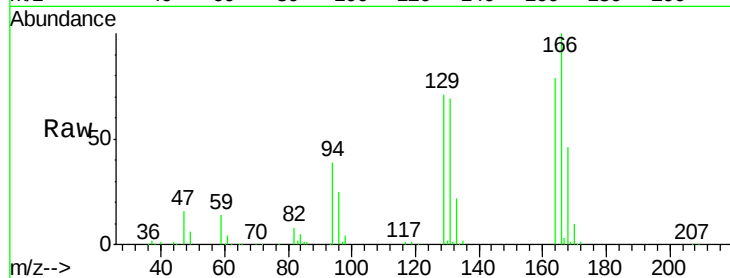
Ion Ratio Lower Upper

164 100

129 90.4 70.3 130.5

131 87.5 64.5 119.9

166 126.8 92.3 171.5

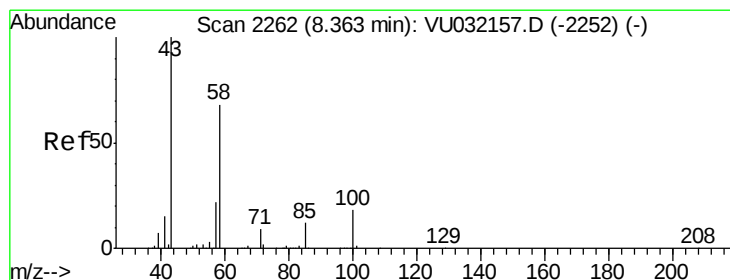
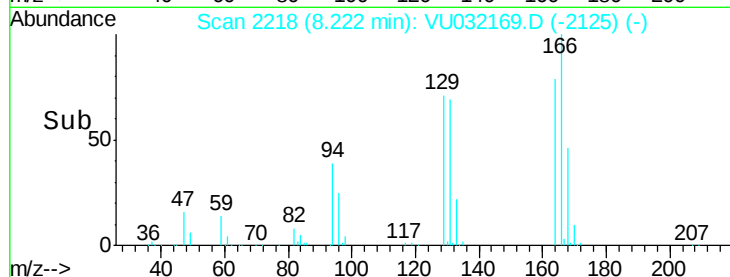
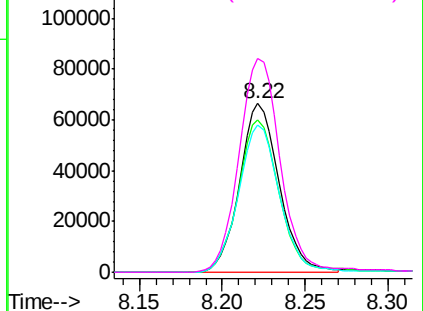


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.650 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VU032169.D

Acq: 20 May 2019 21:08

Tgt Ion: 43 Resp: 8047

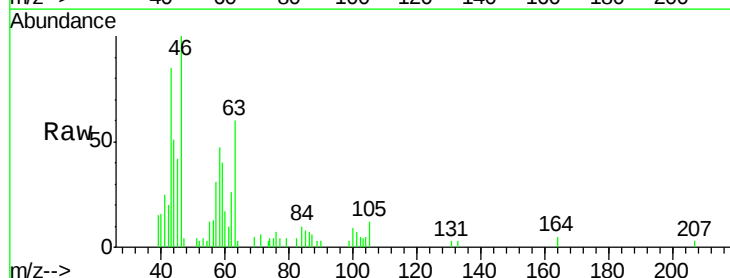
Ion Ratio Lower Upper

43 100

58 52.9 51.6 77.4

57 33.9 18.4 27.6#

100 13.6 12.2 18.4

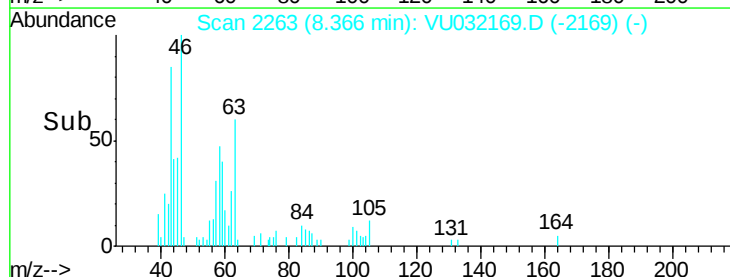
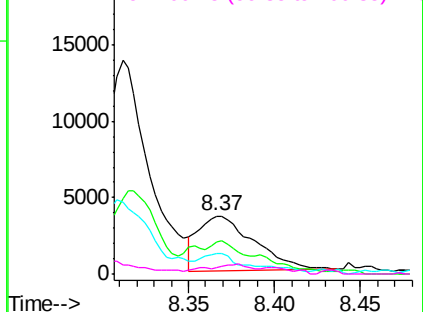


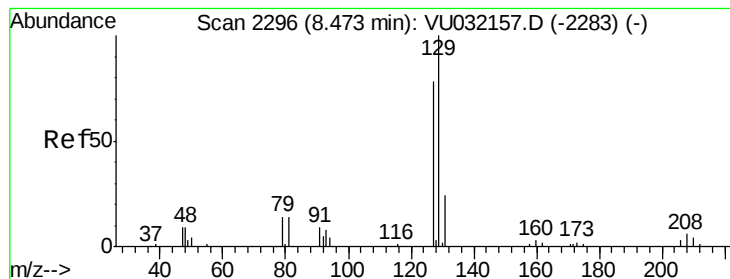
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 8.883 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU032169.D

Acq: 20 May 2019 21:08

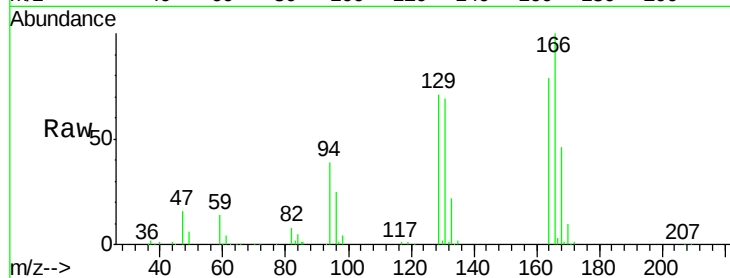
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:129 Resp: 102573

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

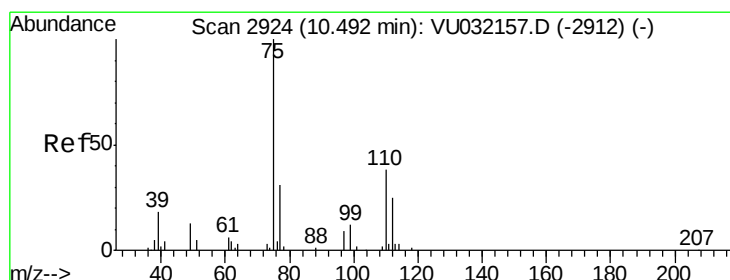
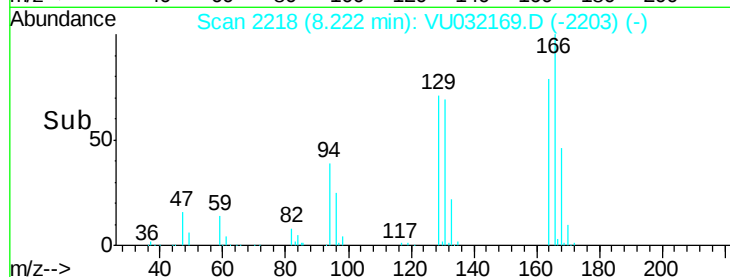
60000

40000

20000

0

Time--> 8.15 8.20 8.25 8.30



#59

1,2,3-Trichloropropane

Concen: 1.717 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032169.D

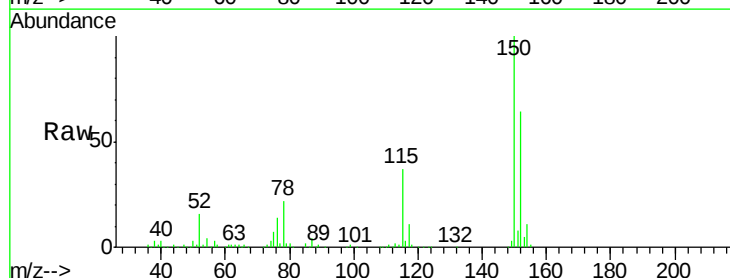
Acq: 20 May 2019 21:08

Tgt Ion: 75 Resp: 14789

Ion Ratio Lower Upper

75 100

77 35.3 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

10000

8000

6000

4000

2000

0

Time--> 11.45 11.50

