

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121319\
 Data File : VU036221.D
 Acq On : 14 Dec 2019 01:20
 Operator : JC/MD
 Sample : K6234-13 200X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE64

Quant Time: Dec 14 04:25:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 14 01:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	217611	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	249772	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	83623	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	96196	5.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.40%
7) Chloroethane-d5	1.93	69	92575	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.80%
11) 1,1-Dichloroethene-d2	2.59	63	99453	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.00%
20) 2-Butanone-d5	4.68	46	177439	49.42	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.84%
24) Chloroform-d	5.11	84	137694	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.75	65	88148	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
32) Benzene-d6	5.77	84	300219	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.73	67	101888	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.93	98	247297	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
43) trans-1,3-Dichloropropene-	8.21	79	36412	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.68	63	150980	48.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.02%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	94454	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	89065	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

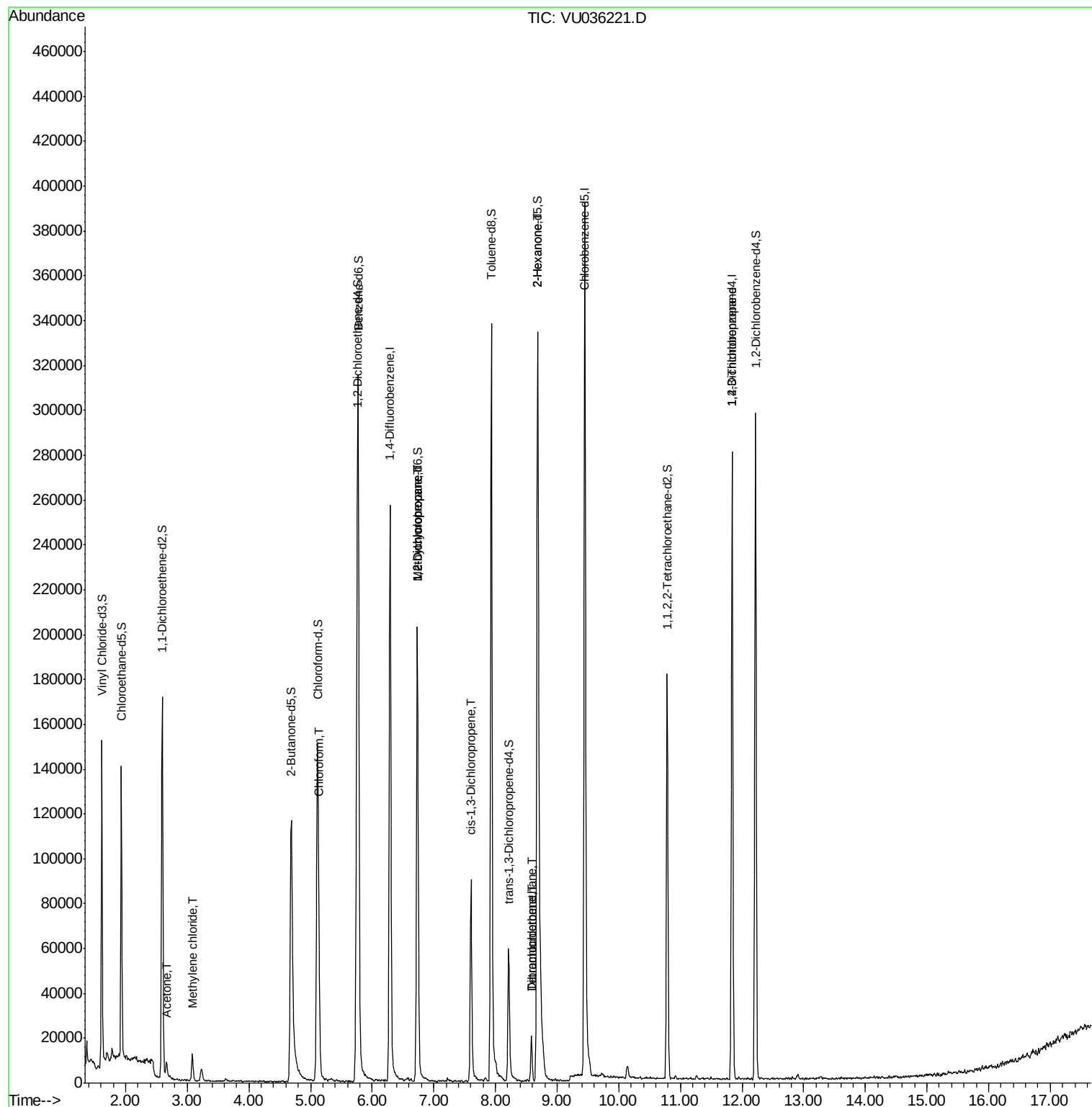
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.66	43	8028	2.566	ug/L	91
16) Methylene chloride	3.08	84	5766	0.243	ug/L	95
25) Chloroform	5.14	83	29450	0.872	ug/L	97
35) Methylcyclohexane	6.73	83	24254	0.862	ug/L #	18
37) 1,2-Dichloropropane	6.73	63	11264	0.575	ug/L #	85
39) cis-1,3-Dichloropropene	7.60	75	2679	0.100	ug/L #	50
47) Tetrachloroethene	8.58	164	4826	0.270	ug/L	98
48) 2-Hexanone	8.68	43	18186	2.379	ug/L #	62
49) Dibromochloromethane	8.58	129	4776	0.263	ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	9017	0.693	ug/L	96

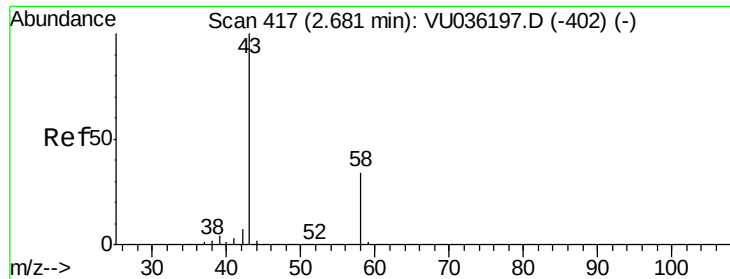
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 2.566 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.02 min

Lab File: VU036221.D

Acq: 14 Dec 2019 01:20

Instrument :

MSVOA_U

ClientSampleId :

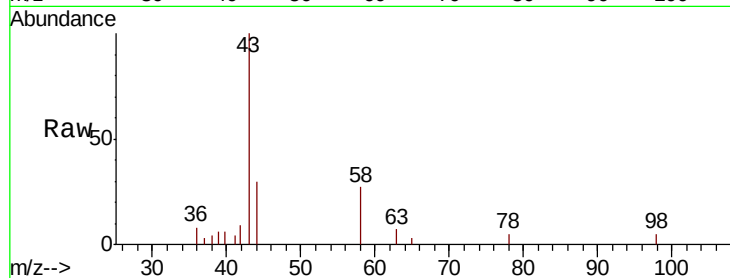
BF64

Tot Ion: 43 Resp: 8028

Ion Ratio Lower Upper

43 100

58 28.5 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036197.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU036197.D (-402) (-)

2.66

4000

3000

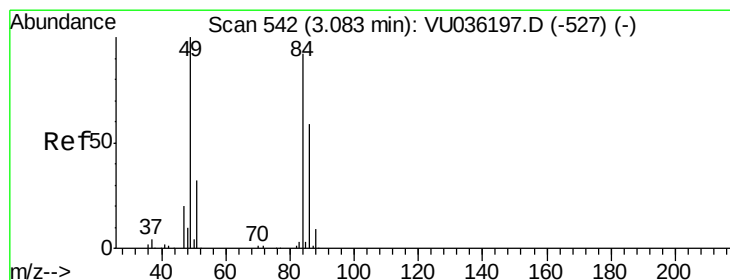
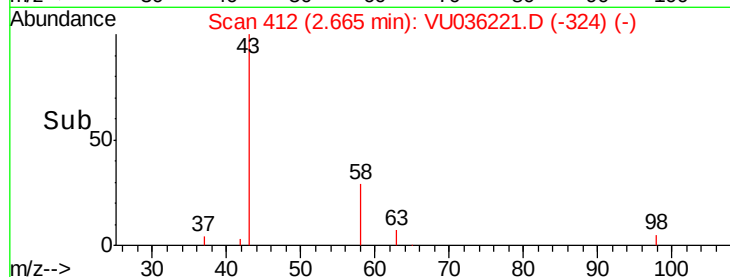
2000

1000

0

Time-->

2.60 2.65 2.70 2.75



#16

Methylene chloride

Concen: 0.243 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU036221.D

Acq: 14 Dec 2019 01:20

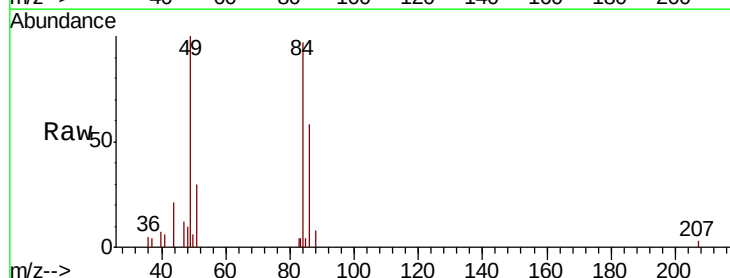
Tgt Ion: 84 Resp: 5766

Ion Ratio Lower Upper

84 100

86 59.8 43.0 79.8

49 103.4 77.3 143.5



Abundance Ion 84.05 (83.75 to 84.75): VU036197.D (-527) (-)

Ion 86.00 (85.70 to 86.70): VU036197.D (-527) (-)

Ion 49.10 (48.80 to 49.80): VU036197.D (-527) (-)

3.08

4000

3000

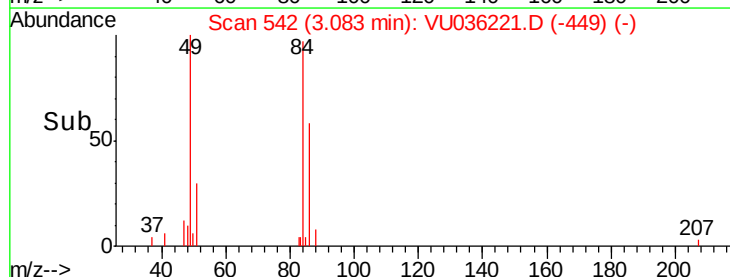
2000

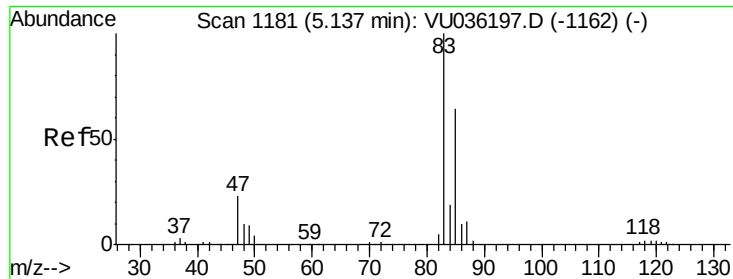
1000

0

Time-->

3.05 3.10 3.15

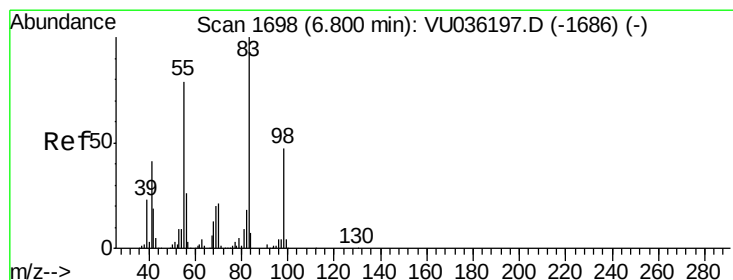
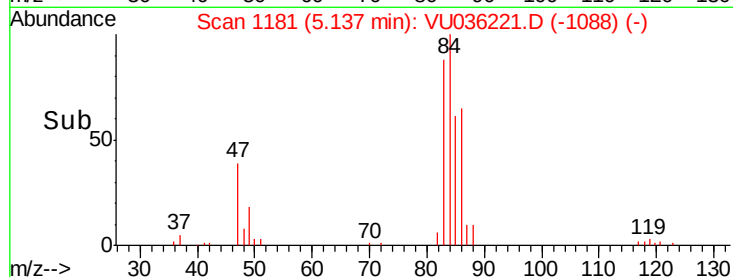
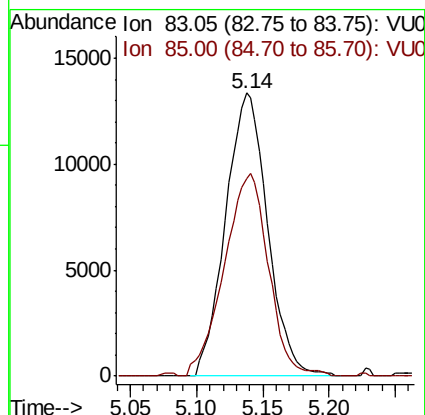
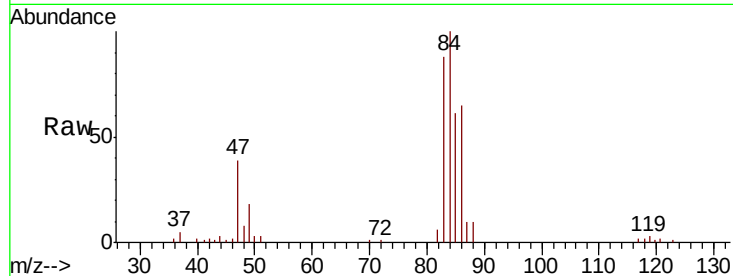




#25
Chloroform
Concen: 0.872 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036221.D
Acq: 14 Dec 2019 01:20

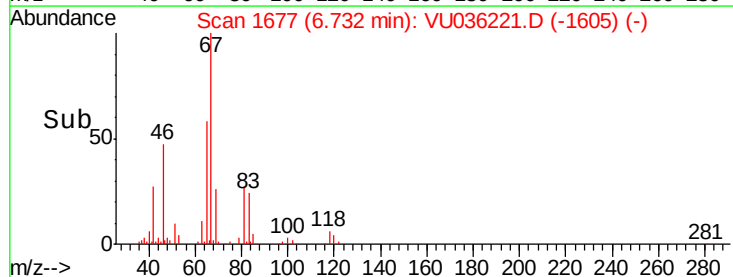
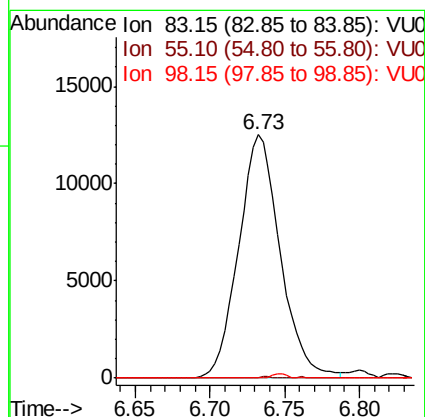
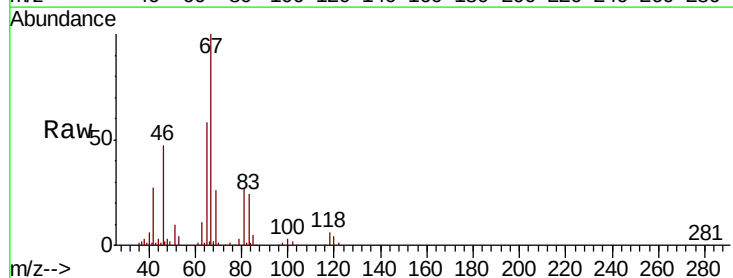
Instrument :
MSVOA_U
ClientSampleId :
BFE64

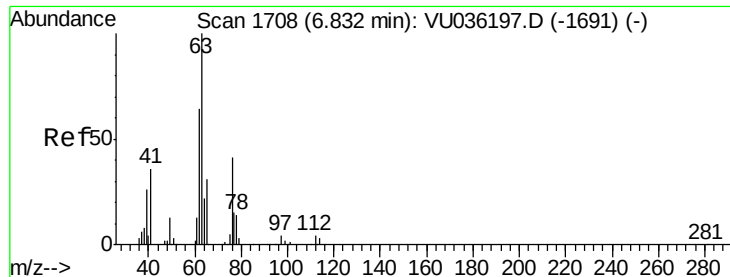
Tot Ion: 83 Resp: 29450
Ion Ratio Lower Upper
83 100
85 70.0 47.5 88.1



#35
Methylcyclohexane
Concen: 0.862 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU036221.D
Acq: 14 Dec 2019 01:20

Tgt Ion: 83 Resp: 24254
Ion Ratio Lower Upper
83 100
55 0.2 62.6 94.0#
98 0.1 36.2 54.2#





#37

1,2-Dichloropropane

Concen: 0.575 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU036221.D

Acq: 14 Dec 2019 01:20

Instrument :

MSVOA_U

ClientSampleId :

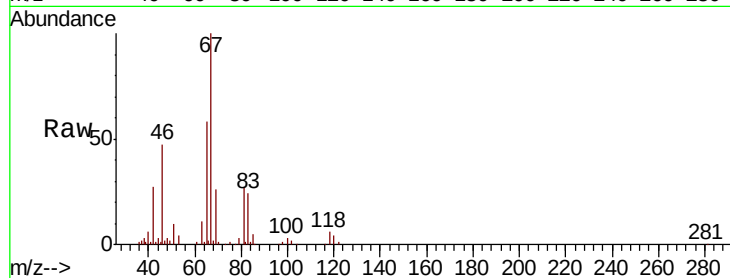
BFE64

Tot Ion: 63 Resp: 11264

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU036197.D (-1691) (-)

Ion 112.10 (111.80 to 112.80): VU036197.D (-1691) (-)

6.73

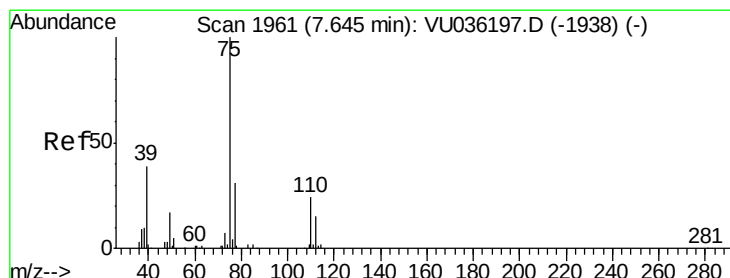
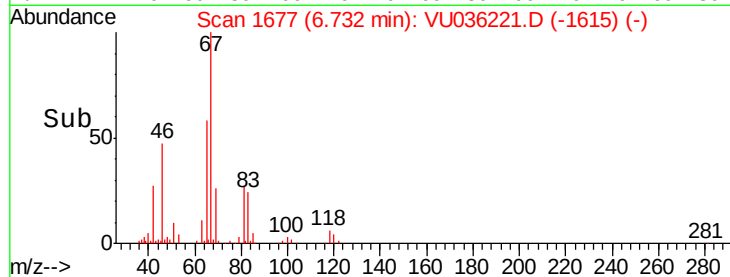
6000

4000

2000

0

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.100 ug/L

RT: 7.60 min Scan# 1946

Delta R.T. -0.05 min

Lab File: VU036221.D

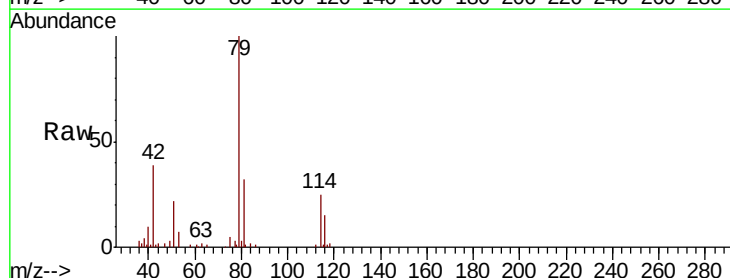
Acq: 14 Dec 2019 01:20

Tgt Ion: 75 Resp: 2679

Ion Ratio Lower Upper

75 100

77 60.5 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU036197.D (-1938) (-)

Ion 77.05 (76.75 to 77.75): VU036197.D (-1938) (-)

7.60

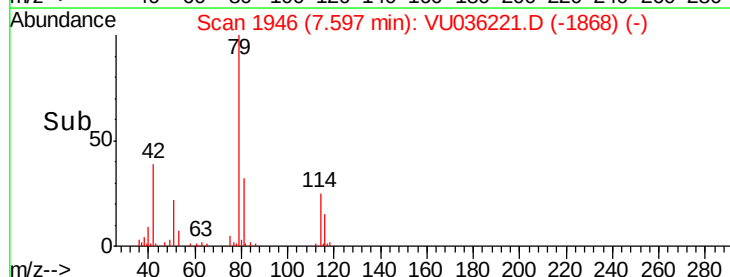
1500

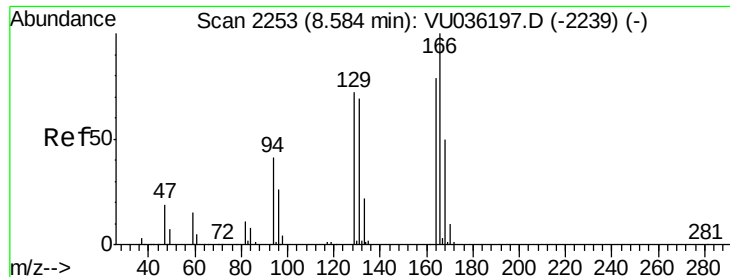
1000

500

0

Time-->





#47

Tetrachloroethene

Concen: 0.270 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.01 min

Lab File: VU036221.D

Acq: 14 Dec 2019 01:20

Instrument :

MSVOA_U

ClientSampleId :

BFE64

Tot Ion:164 Resp: 4826

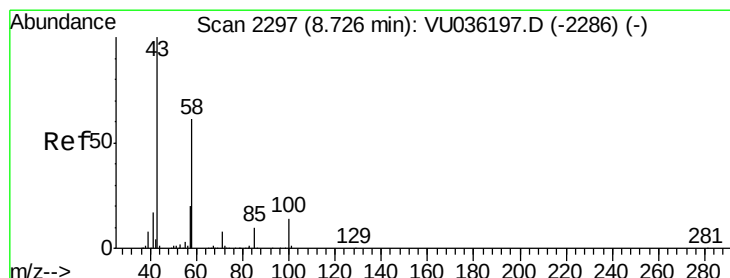
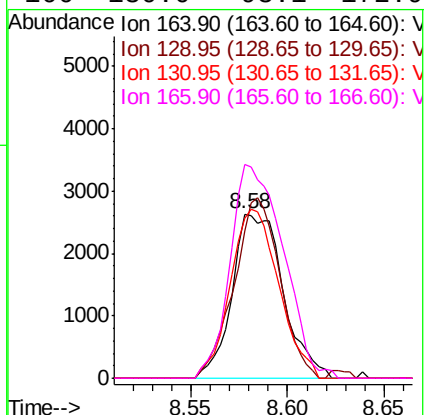
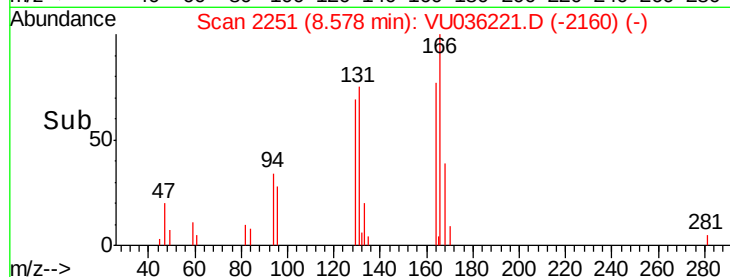
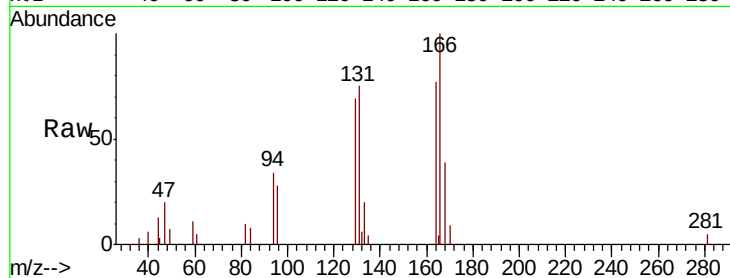
Ion Ratio Lower Upper

164 100

129 89.7 64.2 119.2

131 97.2 66.6 123.8

166 130.0 93.1 172.9



#48

2-Hexanone

Concen: 2.379 ug/L

RT: 8.68 min Scan# 2284

Delta R.T. -0.04 min

Lab File: VU036221.D

Acq: 14 Dec 2019 01:20

Tgt Ion: 43 Resp: 18186

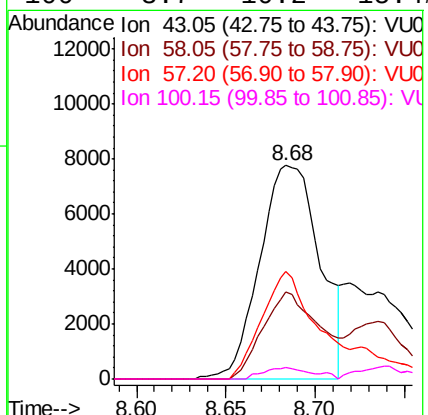
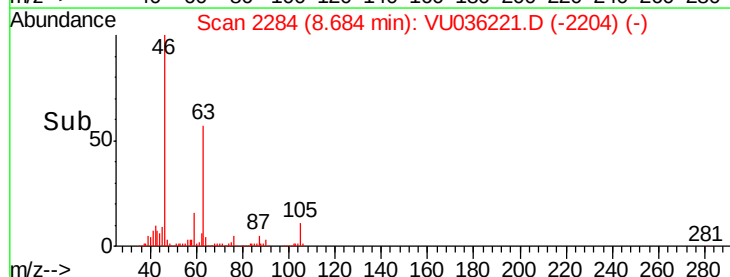
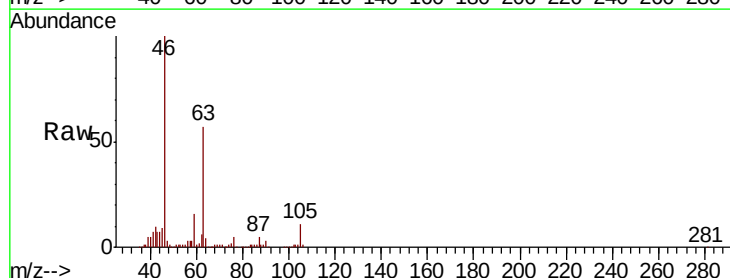
Ion Ratio Lower Upper

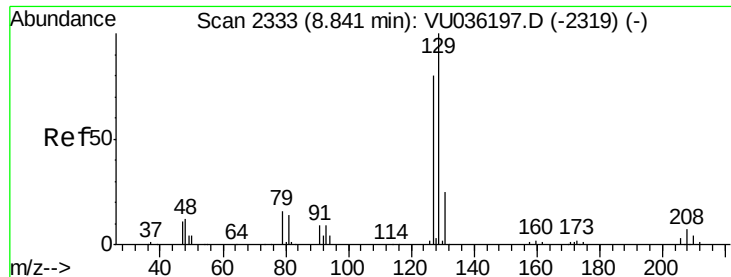
43 100

58 38.1 46.2 69.2#

57 56.9 16.2 24.4#

100 3.7 10.2 15.4#

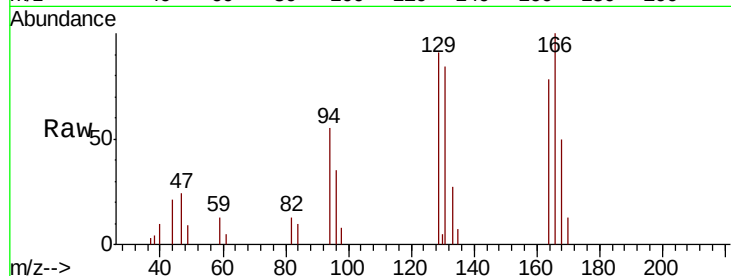




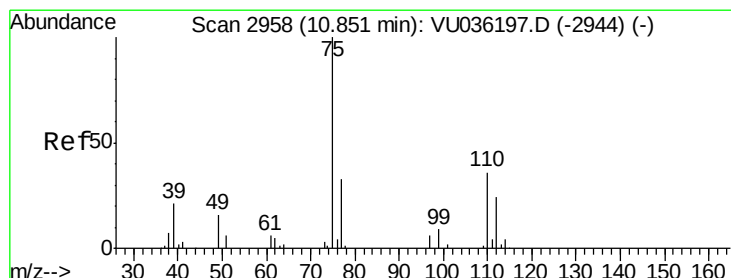
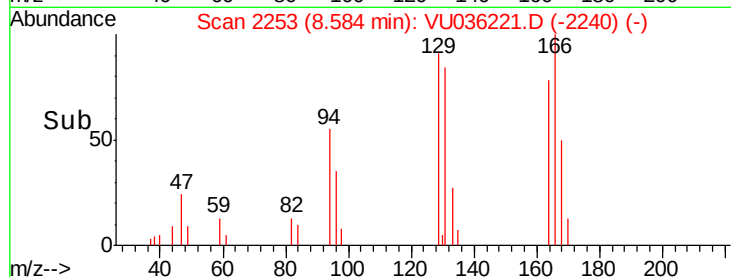
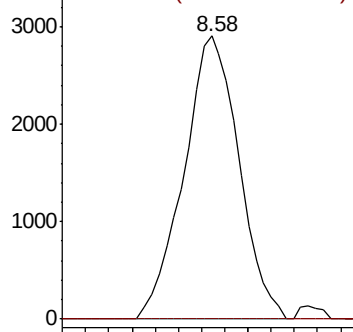
#49
Dibromochloromethane
Concen: 0.263 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU036221.D
Acq: 14 Dec 2019 01:20

Instrument :
MSVOA_U
ClientSampleId :
BFE64

Tot Ion:129 Resp: 4776
Ion Ratio Lower Upper
129 100
127 0.0 52.6 97.6#

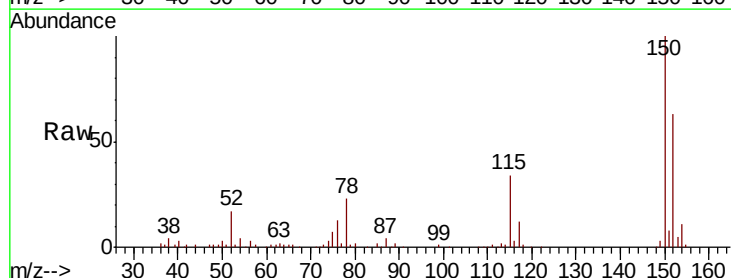


Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V



#59
1,2,3-Trichloropropane
Concen: 0.693 ug/L
RT: 11.84 min Scan# 3266
Delta R.T. 0.99 min
Lab File: VU036221.D
Acq: 14 Dec 2019 01:20

Tgt Ion: 75 Resp: 9017
Ion Ratio Lower Upper
75 100
77 36.5 27.2 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

