

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121719\
 Data File : VU036252.D
 Acq On : 17 Dec 2019 12:30
 Operator : JC/MD
 Sample : K6234-13DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 01:26:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 18 01:23:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	230013	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	264971	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	81400	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	81950	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.93	69	83739	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.20%
11) 1,1-Dichloroethene-d2	2.59	63	90878	3.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.20%
20) 2-Butanone-d5	4.68	46	186952	49.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.54%
24) Chloroform-d	5.11	84	122162	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.00%
26) 1,2-Dichloroethane-d4	5.75	65	84745	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.77	84	279533	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
36) 1,2-Dichloropropane-d6	6.73	67	94583	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.93	98	228824	3.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.00%
43) trans-1,3-Dichloropropene-	8.21	79	34525	4.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.00%
46) 2-Hexanone-d5	8.69	63	153024	46.35	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.70%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	87545	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	73461	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

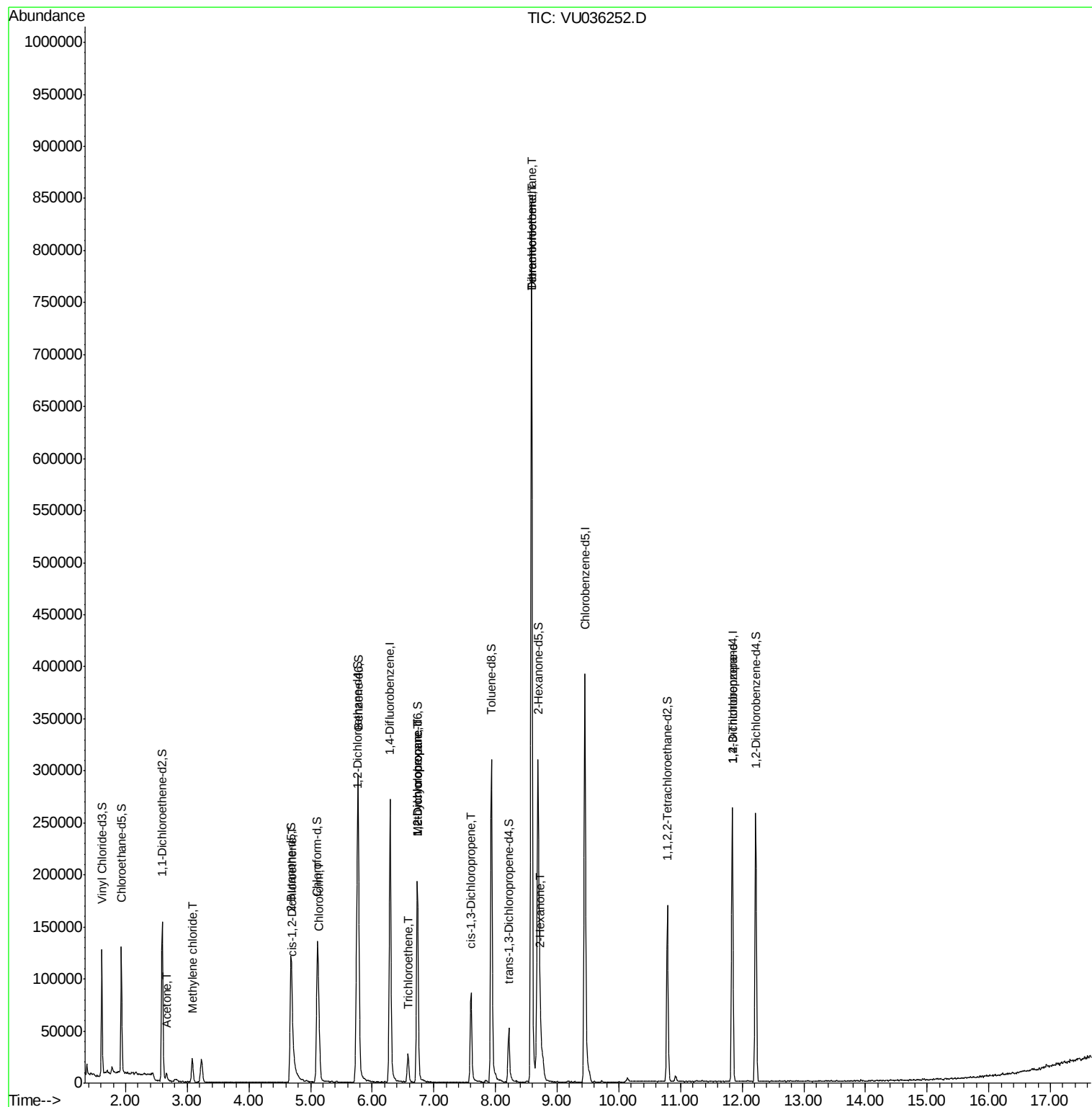
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.67	43	8277	2.503	ug/L	95
16) Methylene chloride	3.08	84	11625	0.463	ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	3391	0.177	ug/L	85
25) Chloroform	5.14	83	38239	1.071	ug/L	99
34) Trichloroethene	6.58	95	9623	0.458	ug/L	89
35) Methylcyclohexane	6.73	83	23024	0.771	ug/L #	18
37) 1,2-Dichloropropane	6.73	63	10728	0.516	ug/L #	86
39) cis-1,3-Dichloropropene	7.61	75	2636	0.093	ug/L #	54
47) Tetrachloroethene	8.58	164	208022	10.971	ug/L	95
48) 2-Hexanone	8.73	43	7734	0.954	ug/L #	47
49) Dibromochloromethane	8.58	129	180940	9.404	ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	8260	0.598	ug/L	88

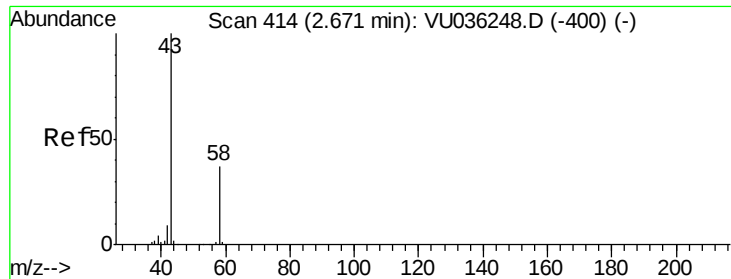
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.503 ug/L

RT: 2.67 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU036252.D

Acq: 17 Dec 2019 12:30

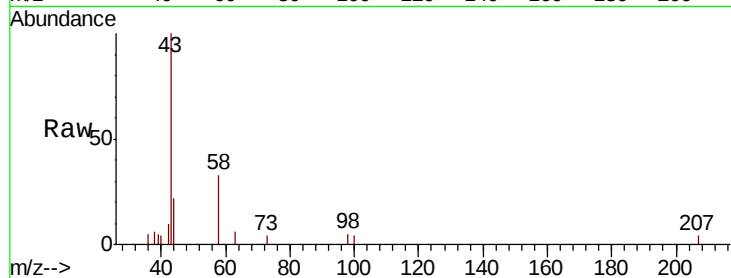
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 8277

Ion Ratio Lower Upper

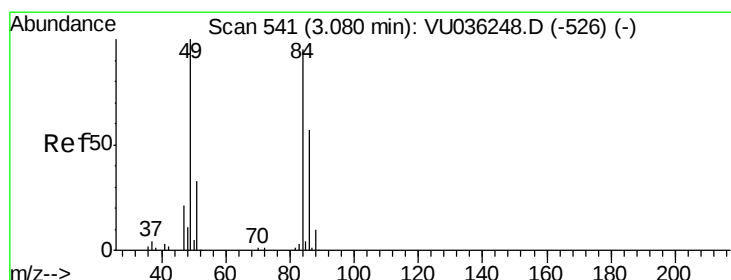
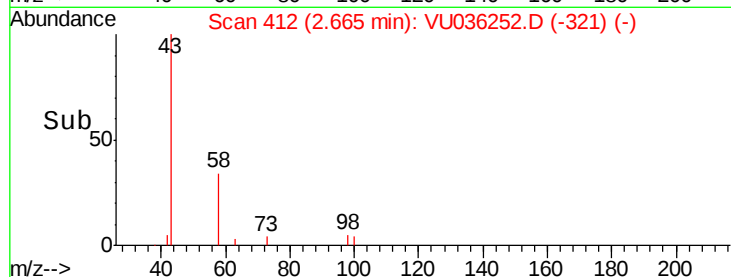
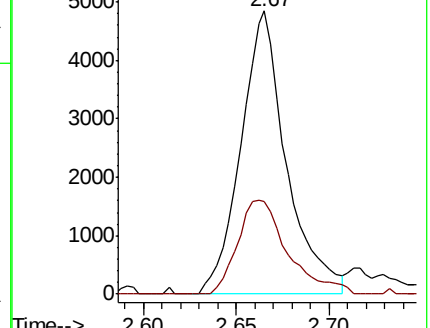
43 100

58 36.5 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036248.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU036248.D (-400) (-)



#16

Methylene chloride

Concen: 0.463 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU036252.D

Acq: 17 Dec 2019 12:30

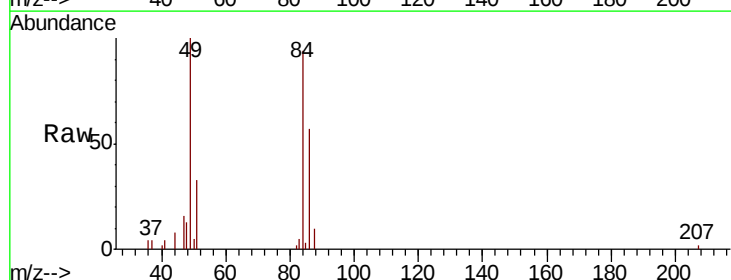
Tgt Ion: 84 Resp: 11625

Ion Ratio Lower Upper

84 100

86 60.8 43.0 79.8

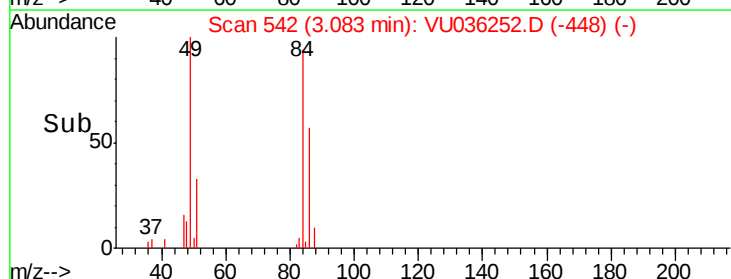
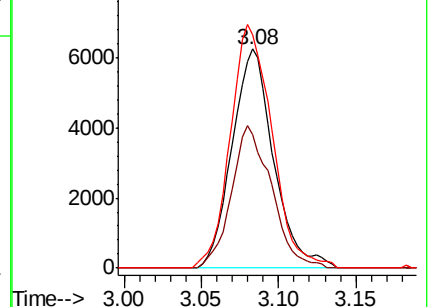
49 106.8 77.3 143.5

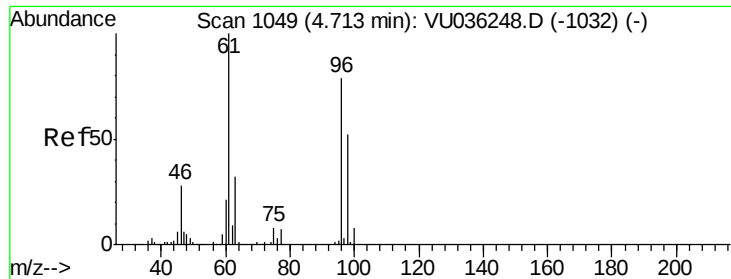


Abundance Ion 84.05 (83.75 to 84.75): VU036248.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU036248.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU036248.D (-526) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.177 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU036252.D

Acq: 17 Dec 2019 12:30

Instrument :

MSVOA_U

ClientSampleId :

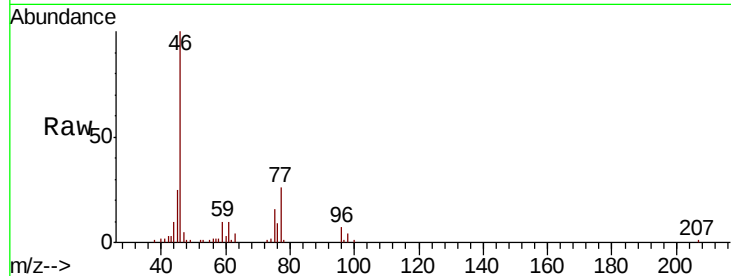
Tot Ion: 96 Resp: 3391

Ion Ratio Lower Upper

96 100

61 140.6 86.7 161.1

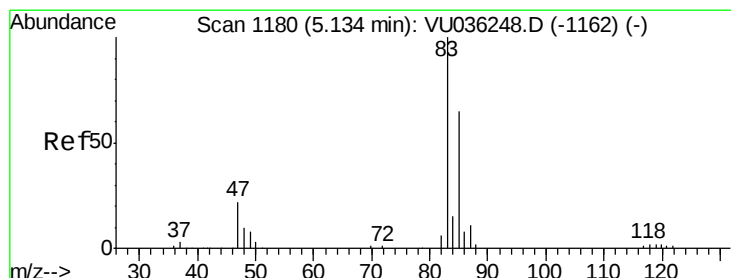
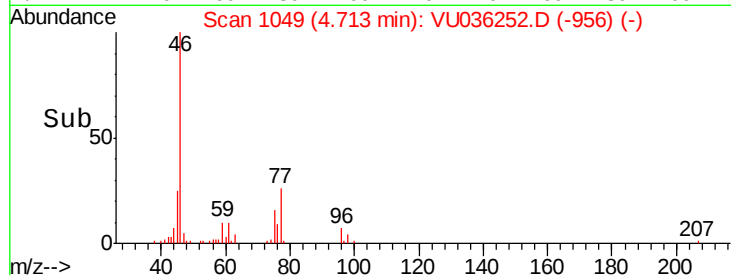
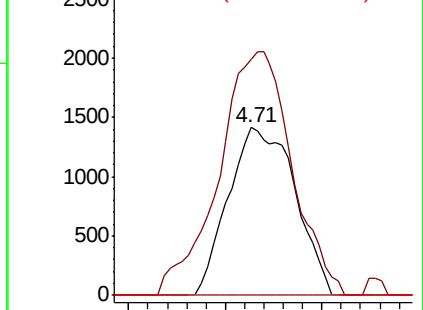
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036252.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU036252.D (-956) (-)

Ion 68.15 (67.85 to 68.85): VU036252.D (-956) (-)



#25

Chloroform

Concen: 1.071 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU036252.D

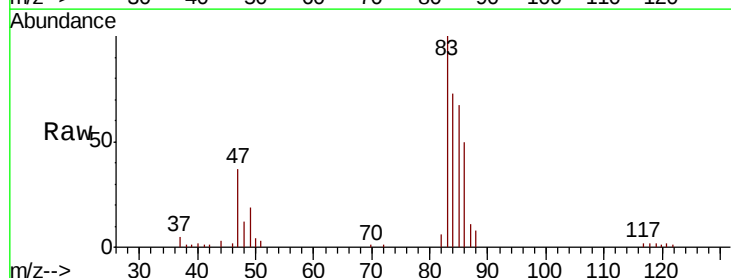
Acq: 17 Dec 2019 12:30

Tgt Ion: 83 Resp: 38239

Ion Ratio Lower Upper

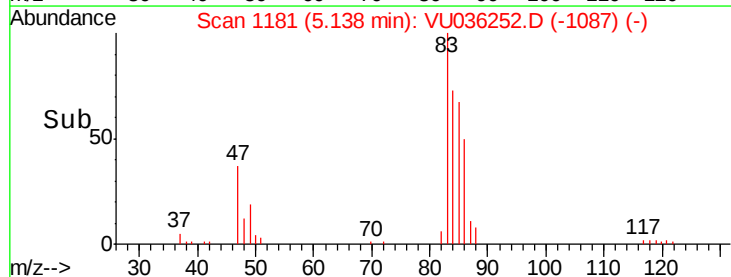
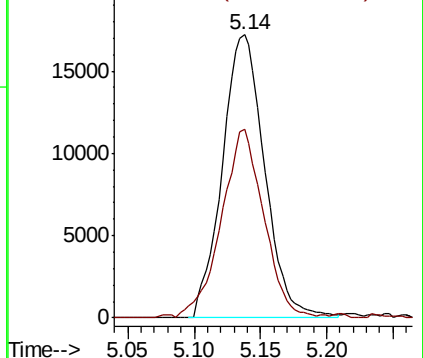
83 100

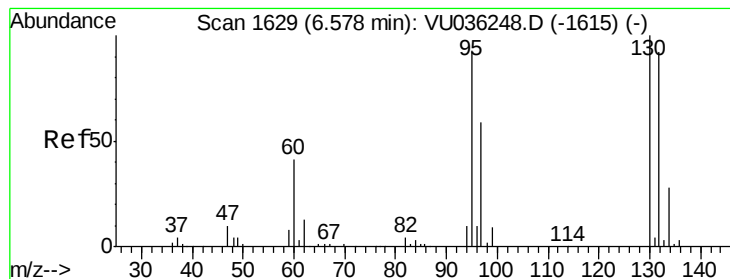
85 66.7 47.5 88.1



Abundance Ion 83.05 (82.75 to 83.75): VU036252.D (-1087) (-)

Ion 85.00 (84.70 to 85.70): VU036252.D (-1087) (-)





#34

Trichloroethene

Concen: 0.458 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036252.D

Acq: 17 Dec 2019 12:30

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 9623

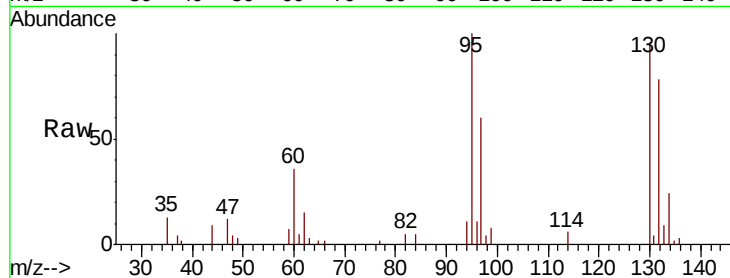
Ion Ratio Lower Upper

95 100

97 59.6 43.6 81.0

132 78.2 69.6 129.2

130 96.0 70.3 130.7

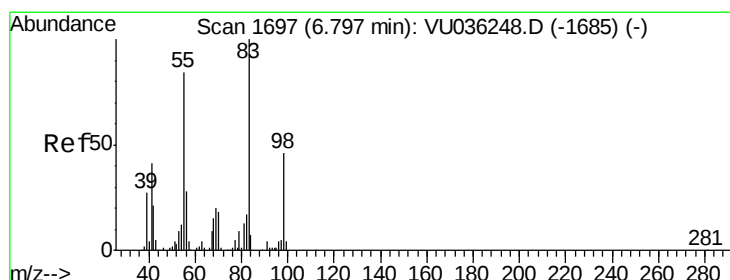
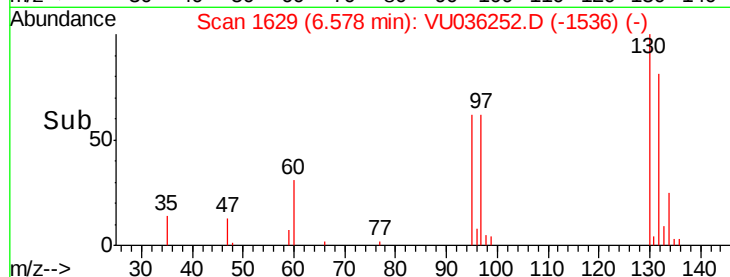
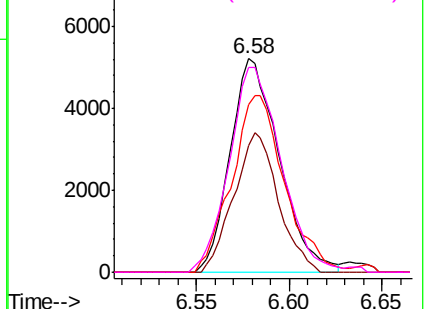


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.771 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.06 min

Lab File: VU036252.D

Acq: 17 Dec 2019 12:30

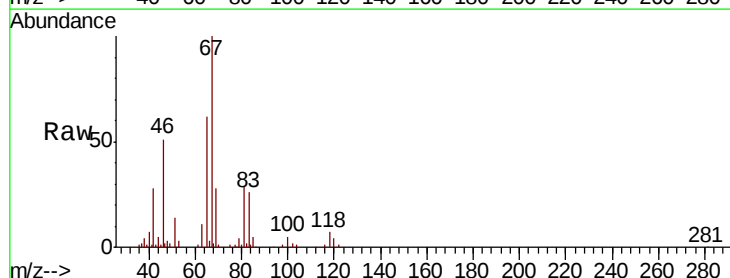
Tgt Ion: 83 Resp: 23024

Ion Ratio Lower Upper

83 100

55 0.1 62.6 94.0#

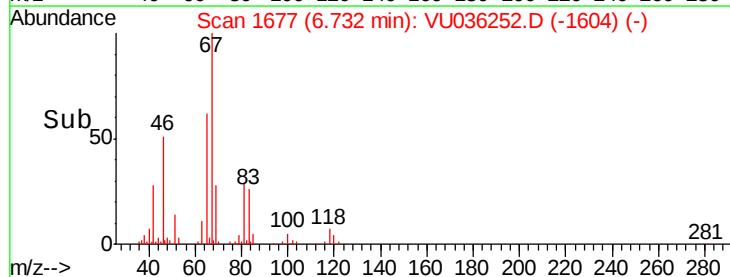
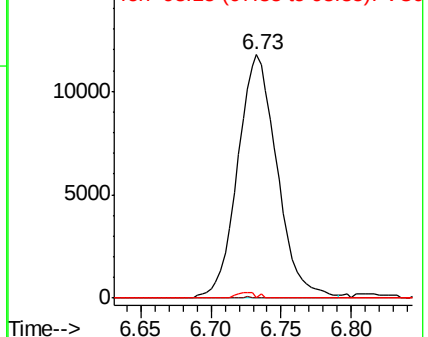
98 1.1 36.2 54.2#

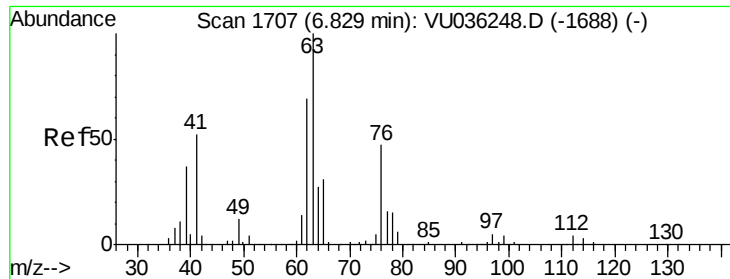


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

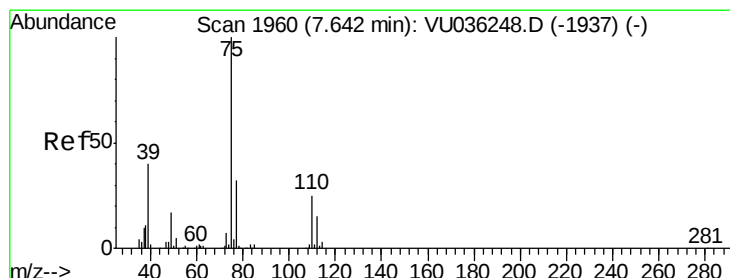
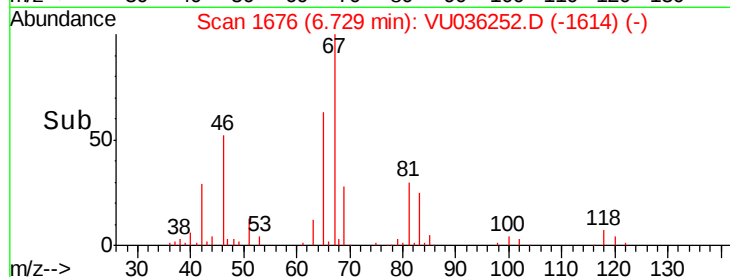
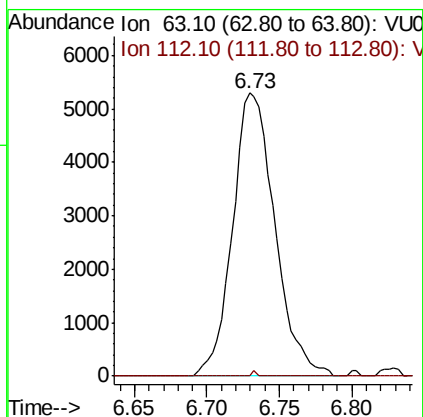
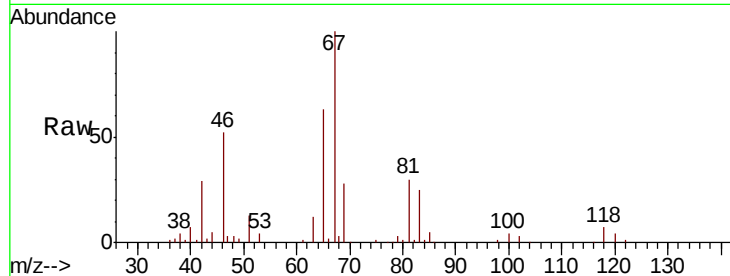




#37
 1,2-Dichloropropane
 Concen: 0.516 ug/L
 RT: 6.73 min Scan# 1676
 Delta R.T. -0.10 min
 Lab File: VU036252.D
 Acq: 17 Dec 2019 12:30

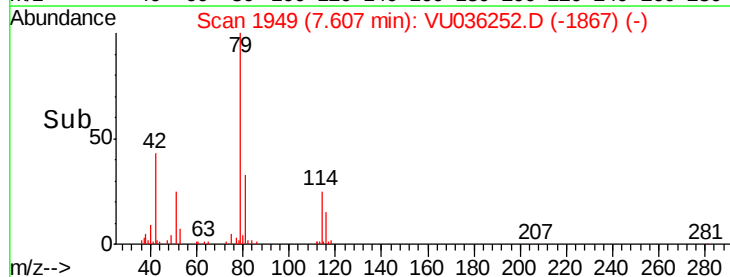
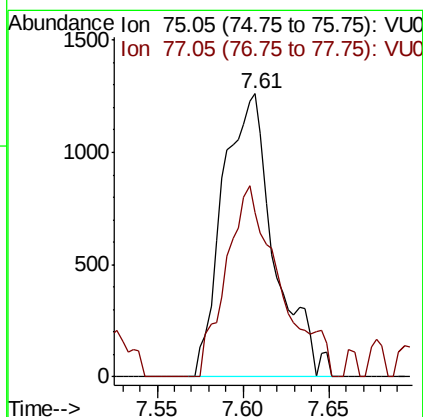
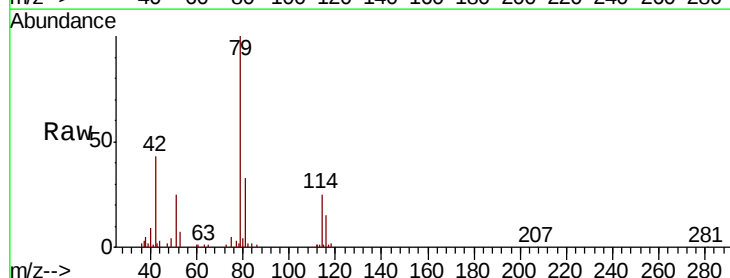
Instrument :
 MSVOA_U
 ClientSampleId :

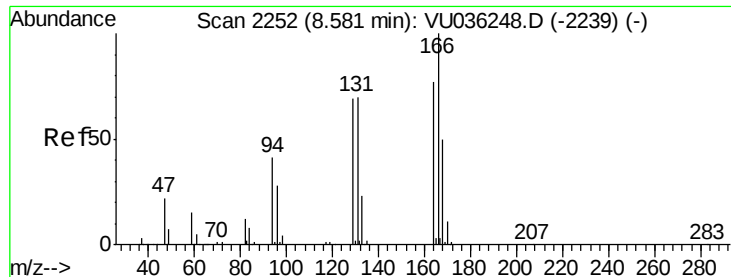
Tot Ion: 63 Resp: 10728
 Ion Ratio Lower Upper
 63 100
 112 0.2 3.8 5.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.093 ug/L
 RT: 7.61 min Scan# 1949
 Delta R.T. -0.04 min
 Lab File: VU036252.D
 Acq: 17 Dec 2019 12:30

Tgt Ion: 75 Resp: 2636
 Ion Ratio Lower Upper
 75 100
 77 58.1 22.7 42.1#

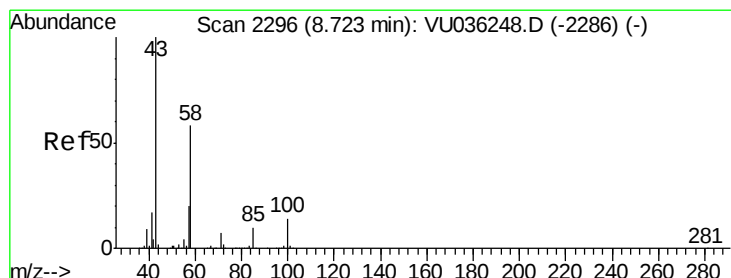
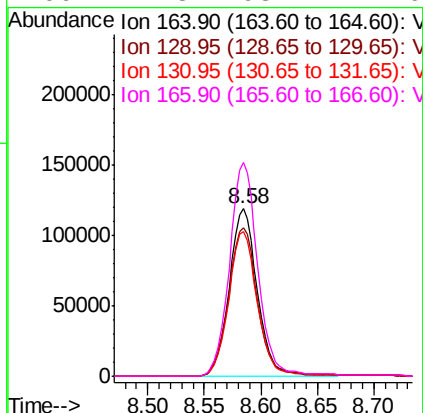
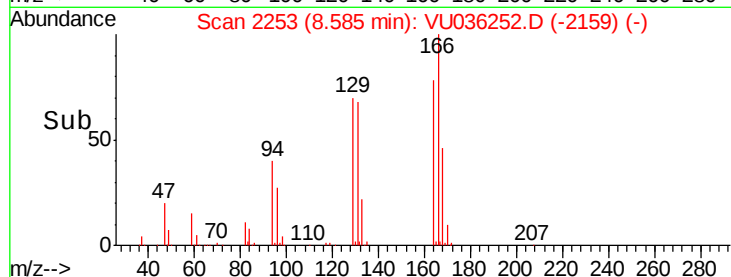
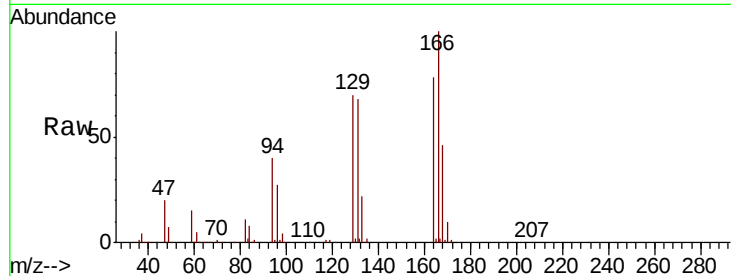




#47
Tetrachloroethene
Concen: 10.971 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU036252.D
Acq: 17 Dec 2019 12:30

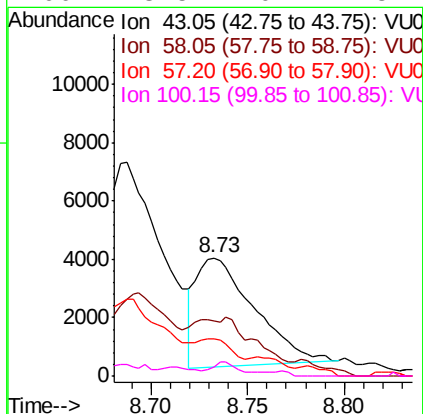
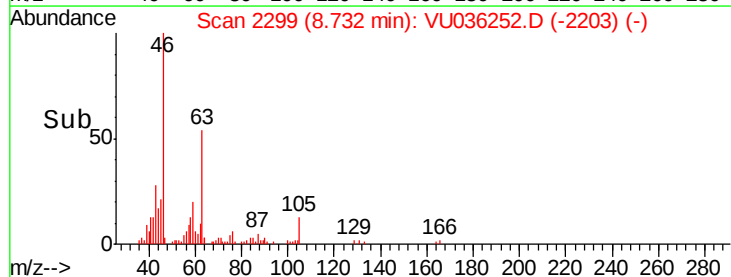
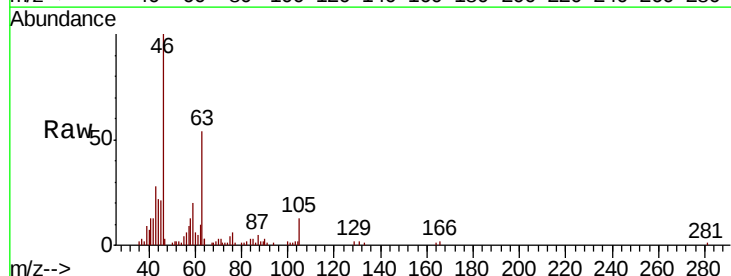
Instrument :
MSVOA_U
ClientSampleId :

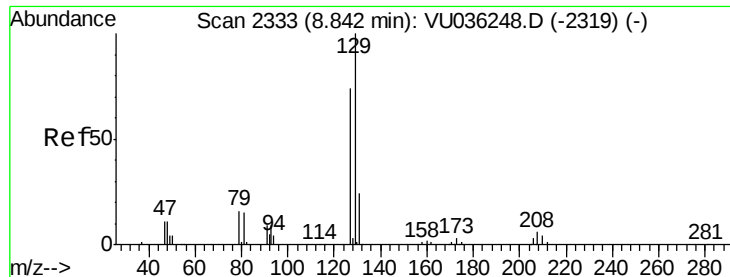
Tot Ion:	164	Resp:	208022
Ion	Ratio	Lower	Upper
164	100		
129	89.1	64.2	119.2
131	86.8	66.6	123.8
166	127.8	93.1	172.9



#48
2-Hexanone
Concen: 0.954 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. 0.01 min
Lab File: VU036252.D
Acq: 17 Dec 2019 12:30

Tgt Ion:	43	Resp:	7734
Ion	Ratio	Lower	Upper
43	100		
58	5.0	46.2	69.2#
57	10.8	16.2	24.4#
100	3.5	10.2	15.4#





#49

Dibromochloromethane

Concen: 9.404 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU036252.D

Acq: 17 Dec 2019 12:30

Instrument :

MSVOA_U

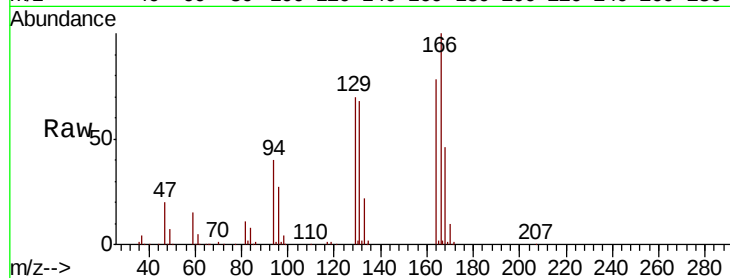
ClientSampleId :

Tot Ion:129 Resp: 180940

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

8.58

120000

100000

80000

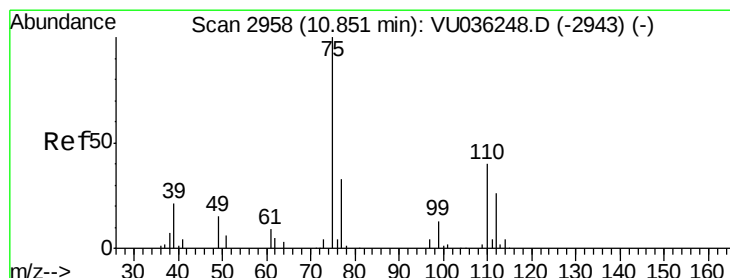
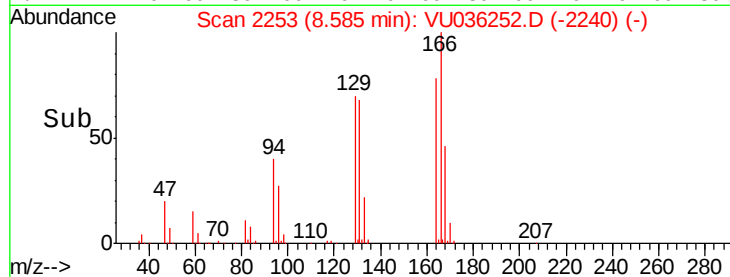
60000

40000

20000

0

Time--> 8.50 8.55 8.60 8.65



#59

1,2,3-Trichloropropane

Concen: 0.598 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU036252.D

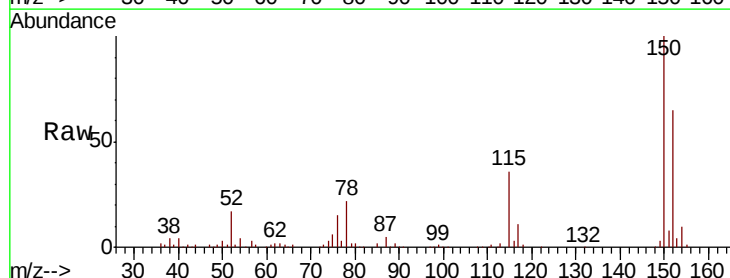
Acq: 17 Dec 2019 12:30

Tgt Ion: 75 Resp: 8260

Ion Ratio Lower Upper

75 100

77 40.7 27.2 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.84

5000

4000

3000

2000

1000

0

Time--> 11.80 11.85 11.90

