

Data File : VU035505.D
Acq On : 25 Oct 2019 22:54
Operator : JC/SP
Sample : K5554-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAQ94

Quant Time: Oct 26 04:12:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 26 04:07:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	181712	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	209921	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	78840	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	125930	5.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.40%
7) Chloroethane-d5	1.93	69	106200	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.20%
11) 1,1-Dichloroethene-d2	2.59	63	165694	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.60%
20) 2-Butanone-d5	4.71	46	279759	58.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.98%
24) Chloroform-d	5.11	84	198100	5.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.20%
26) 1,2-Dichloroethane-d4	5.75	65	109354	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.20%
32) Benzene-d6	5.77	84	396465	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
36) 1,2-Dichloropropane-d6	6.74	67	132025	5.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.80%
41) Toluene-d8	7.93	98	324491	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	8.22	79	47195	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	8.69	63	198521	54.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.68%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	102080	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	98569	6.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	123.80%#

Target Compounds

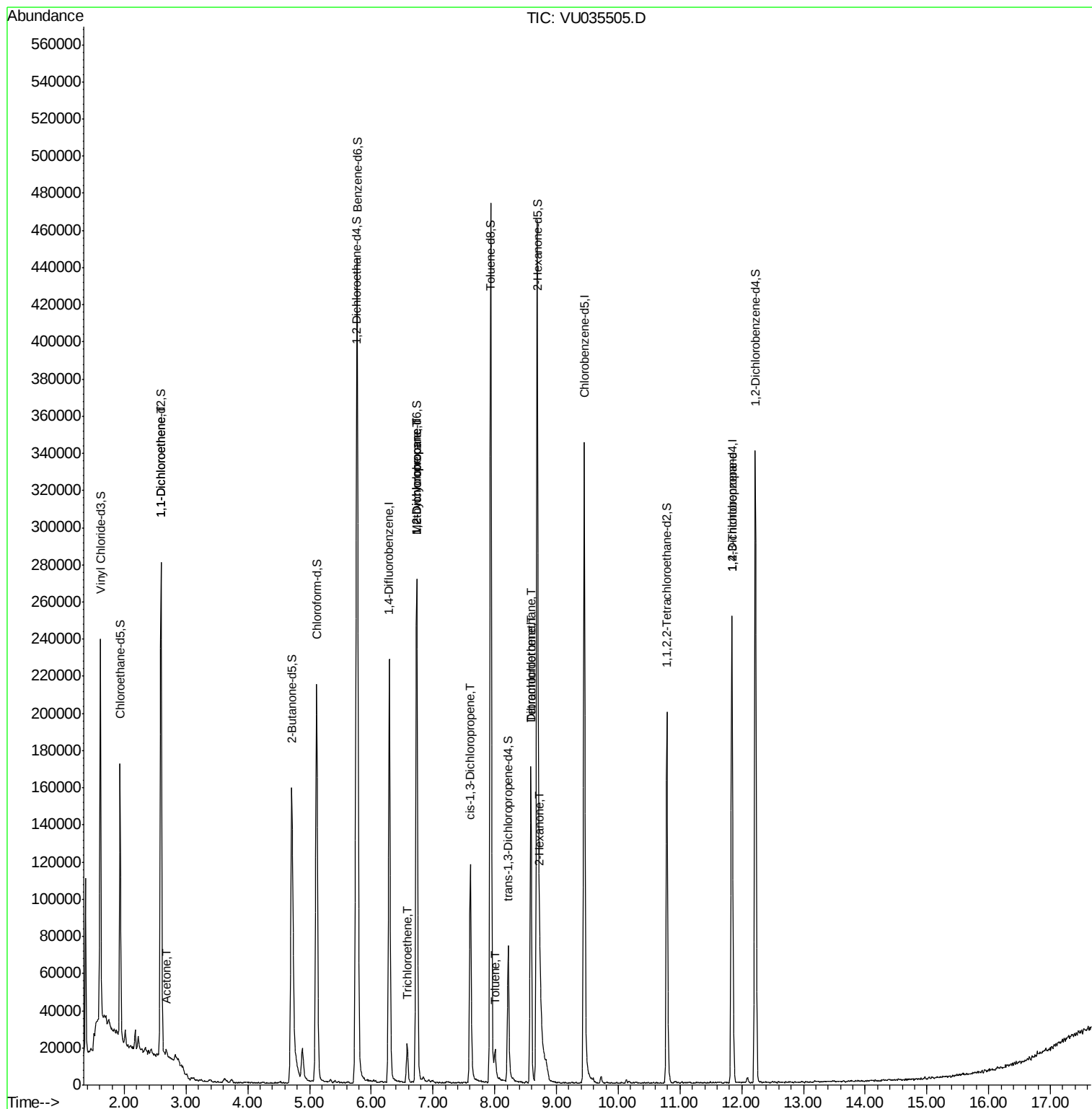
					Qvalue
12) 1,1-Dichloroethene	2.60	96	1250	0.072 ug/L #	1
13) Acetone	2.68	43	5542	1.525 ug/L	96
34) Trichloroethene	6.58	95	6852	0.334 ug/L	94
35) Methylcyclohexane	6.74	83	29272	0.921 ug/L #	16
37) 1,2-Dichloropropane	6.74	63	14367	0.650 ug/L #	86
39) cis-1,3-Dichloropropene	7.61	75	3164	0.103 ug/L #	37
42) Toluene	8.01	91	9904	0.116 ug/L	92
47) Tetrachloroethene	8.58	164	39546	2.345 ug/L	99
48) 2-Hexanone	8.73	43	15256	1.734 ug/L #	91
49) Dibromochloromethane	8.58	129	35532	1.979 ug/L #	10
59) 1,2,3-Trichloropropane	11.84	75	9820	0.694 ug/L	93

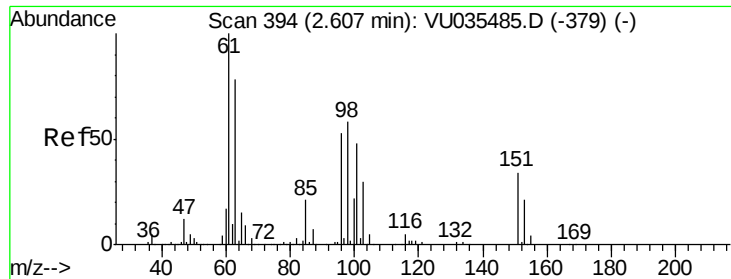
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.072 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU035505.D

Acq: 25 Oct 2019 22:54

Instrument :

MSVOA_U

ClientSampleId :

GAQ94

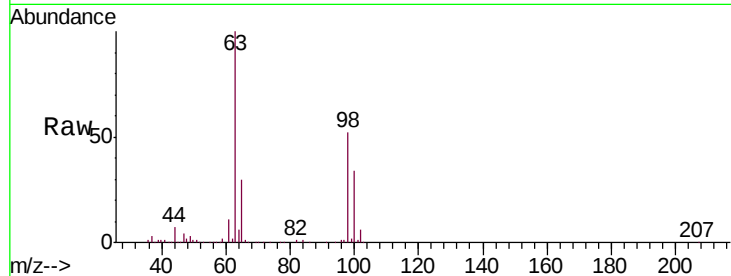
Tgt Ion: 96 Resp: 1250

Ion Ratio Lower Upper

96 100

61 1390.8 131.9 244.9#

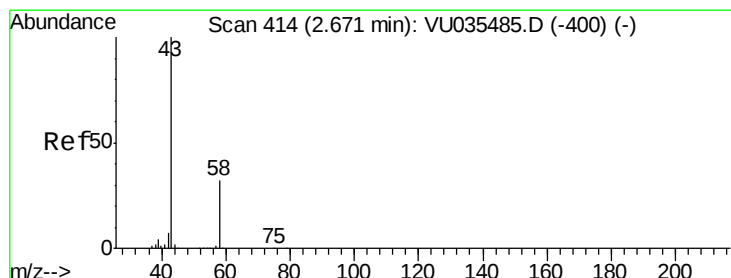
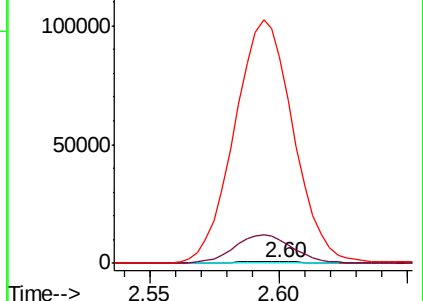
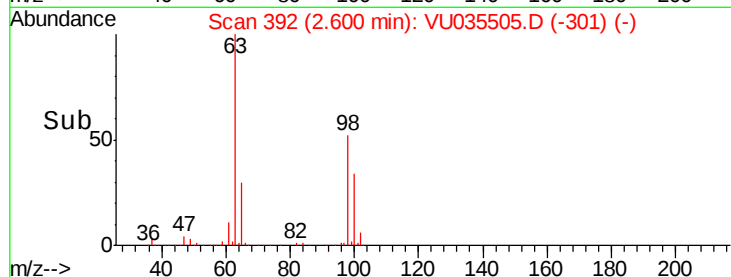
63 12418.9 97.0 180.2#



Abundance Ion 96.00 (95.70 to 96.70): VU035505.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU035505.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU035505.D (-301) (-)



#13

Acetone

Concen: 1.525 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.01 min

Lab File: VU035505.D

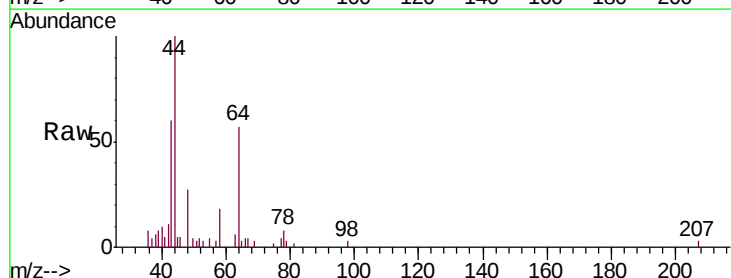
Acq: 25 Oct 2019 22:54

Tgt Ion: 43 Resp: 5542

Ion Ratio Lower Upper

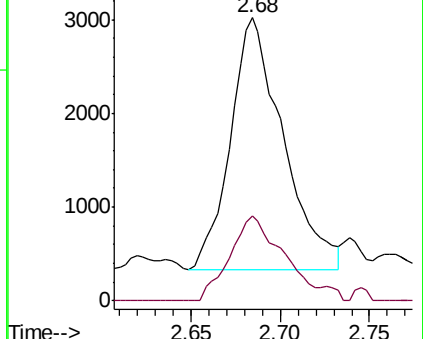
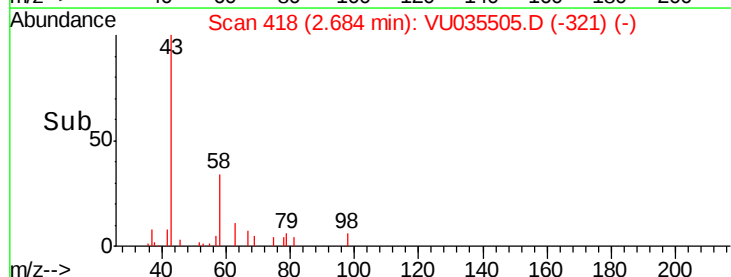
43 100

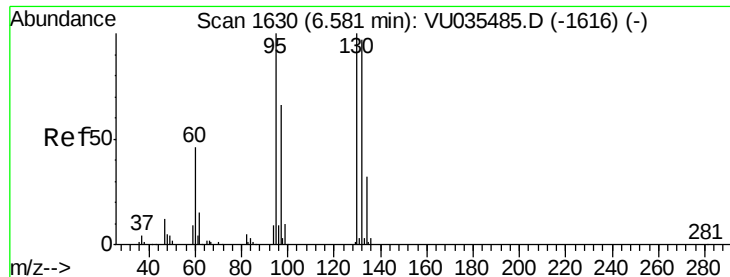
58 33.9 0.0 63.2



Abundance Ion 43.05 (42.75 to 43.75): VU035505.D (-321) (-)

Ion 58.05 (57.75 to 58.75): VU035505.D (-321) (-)

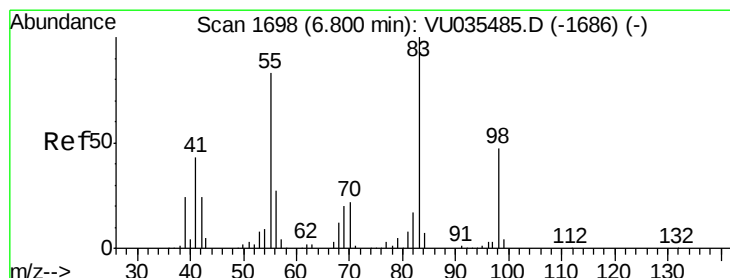
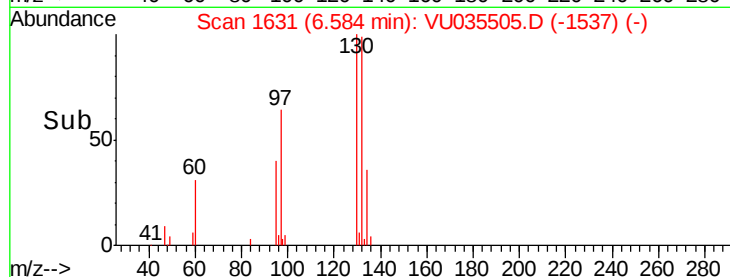
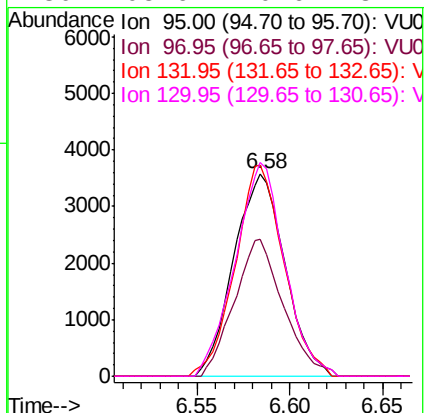
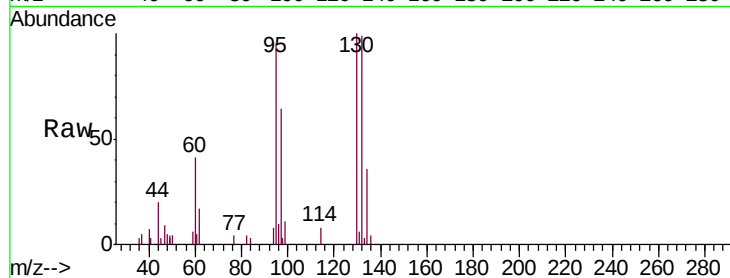




#34
 Trichloroethene
 Concen: 0.334 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU035505.D
 Acq: 25 Oct 2019 22:54

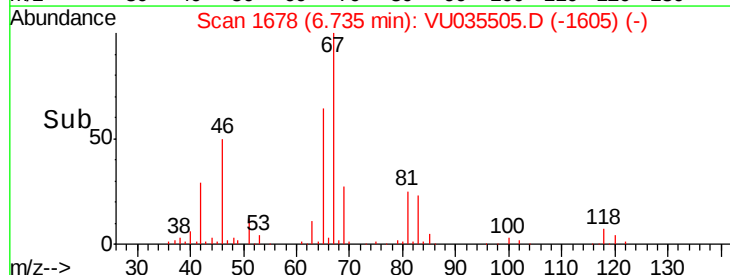
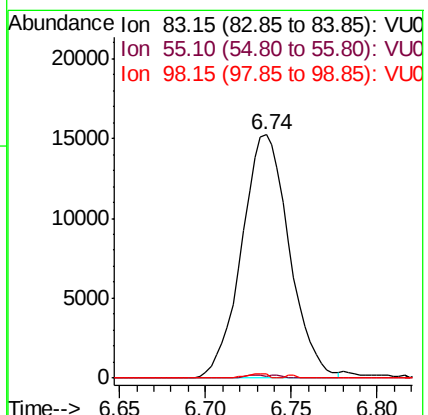
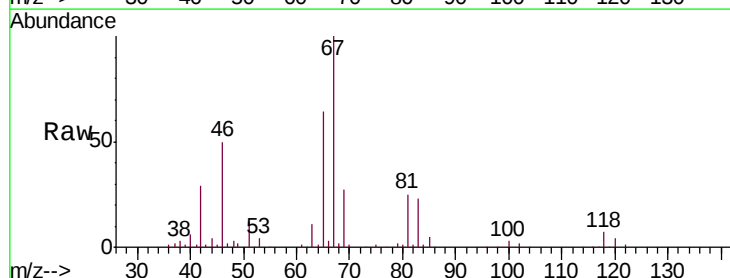
Instrument :
 MSVOA_U
 ClientSampleId :
 GAQ94

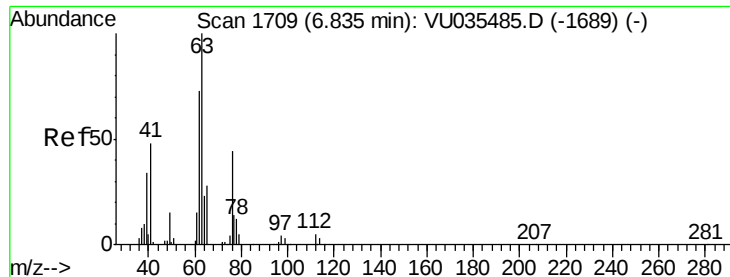
Tgt Ion:	95	Resp:	6852
Ion	Ratio	Lower	Upper
95	100		
97	67.6	43.8	81.4
132	104.2	67.3	124.9
130	105.6	70.6	131.2



#35
 Methylcyclohexane
 Concen: 0.921 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.06 min
 Lab File: VU035505.D
 Acq: 25 Oct 2019 22:54

Tgt Ion:	83	Resp:	29272
Ion	Ratio	Lower	Upper
83	100		
55	0.5	67.3	100.9#
98	0.8	39.0	58.6#





#37

1,2-Dichloropropane

Concen: 0.650 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035505.D

Acq: 25 Oct 2019 22:54

Instrument :

MSVOA_U

ClientSampleId :

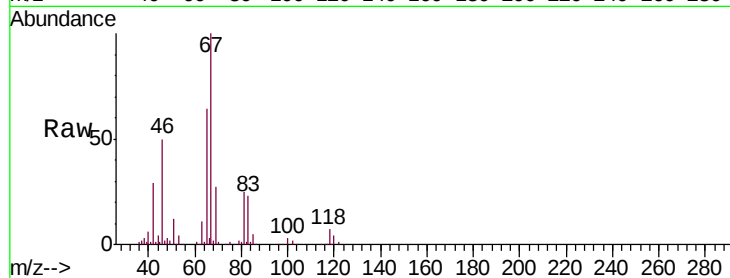
GAQ94

Tgt Ion: 63 Resp: 14367

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU035505.D (-1678) (-)

Ion 112.10 (111.80 to 112.80): VU035505.D (-1678) (-)

6.74

8000

6000

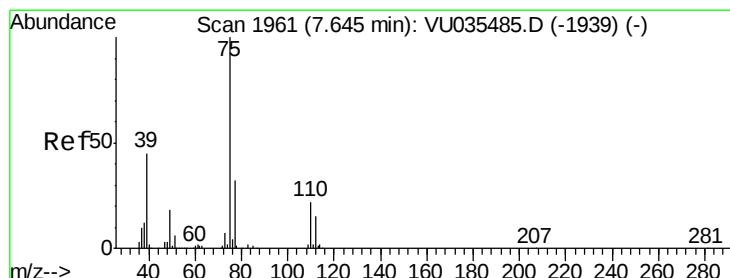
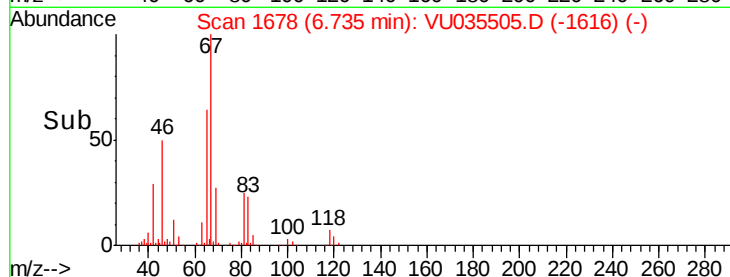
4000

2000

0

6.65 6.70 6.75 6.80

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.103 ug/L

RT: 7.61 min Scan# 1949

Delta R.T. -0.04 min

Lab File: VU035505.D

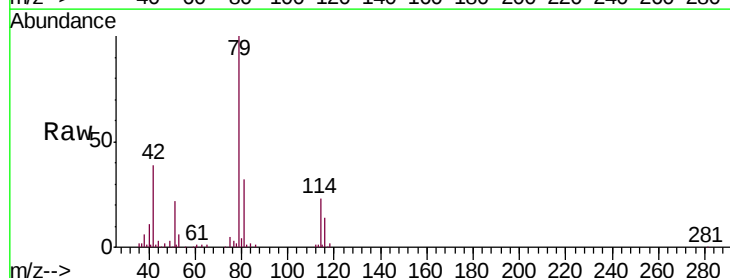
Acq: 25 Oct 2019 22:54

Tgt Ion: 75 Resp: 3164

Ion Ratio Lower Upper

75 100

77 66.2 22.0 40.8#



Abundance Ion 75.05 (74.75 to 75.75): VU035505.D (-1868) (-)

Ion 77.05 (76.75 to 77.75): VU035505.D (-1868) (-)

7.61

2000

1500

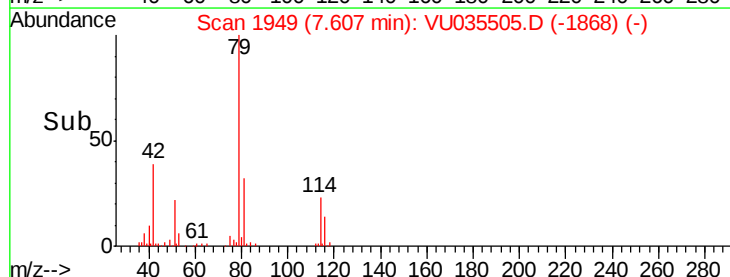
1000

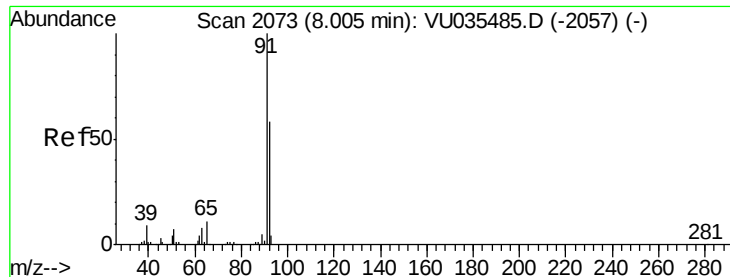
500

0

7.55 7.60 7.65

Time-->





#42

Toluene

Concen: 0.116 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035505.D

Acq: 25 Oct 2019 22:54

Instrument :

MSVOA_U

ClientSampleId :

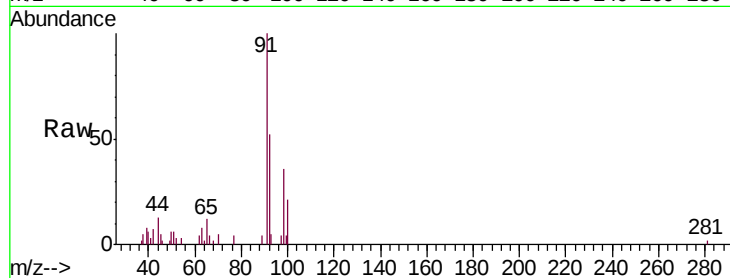
GAQ94

Tgt Ion: 91 Resp: 9904

Ion Ratio Lower Upper

91 100

92 52.5 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU035485.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035485.D (-2057) (-)

8.01

6000

5000

4000

3000

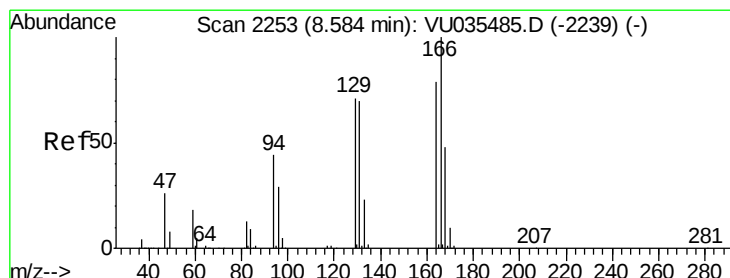
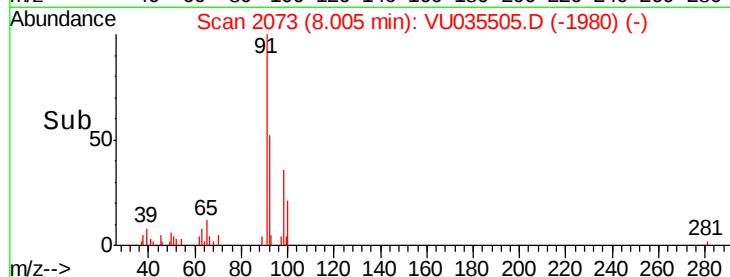
2000

1000

0

7.95 8.00 8.05

Time-->



#47

Tetrachloroethene

Concen: 2.345 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035505.D

Acq: 25 Oct 2019 22:54

Tgt Ion: 164 Resp: 39546

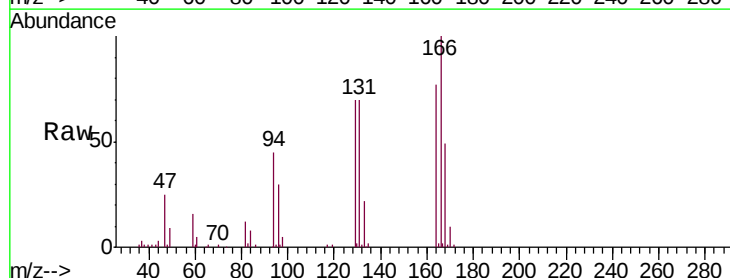
Ion Ratio Lower Upper

164 100

129 91.2 64.6 120.0

131 90.5 63.1 117.3

166 129.7 90.4 168.0



Abundance Ion 163.90 (163.60 to 164.60): VU035485.D (-2239) (-)

Ion 128.95 (128.65 to 129.65): VU035485.D (-2239) (-)

Ion 130.95 (130.65 to 131.65): VU035485.D (-2239) (-)

Ion 165.90 (165.60 to 166.60): VU035485.D (-2239) (-)

8.58

40000

30000

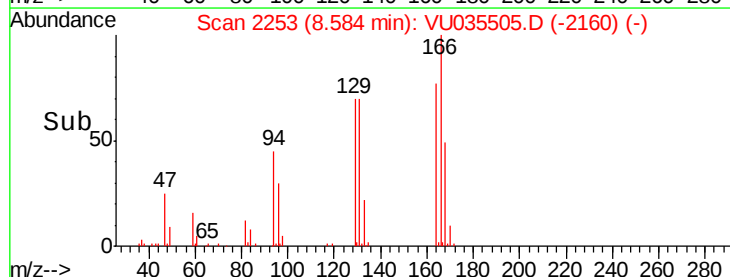
20000

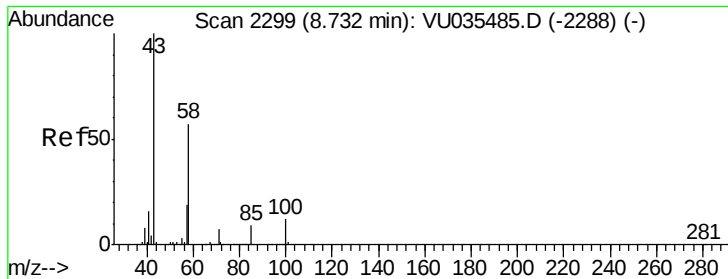
10000

0

8.50 8.55 8.60 8.65

Time-->

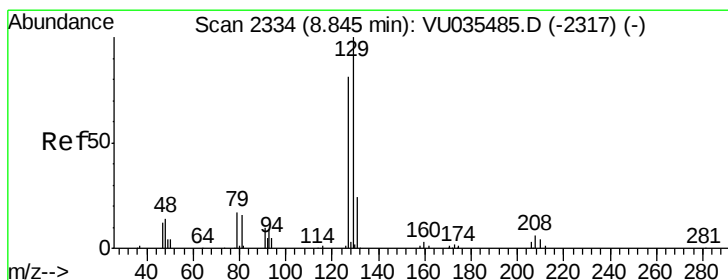
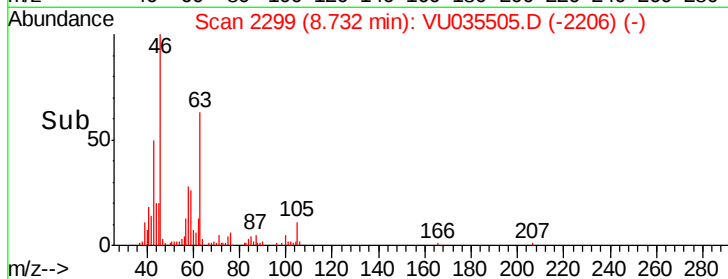
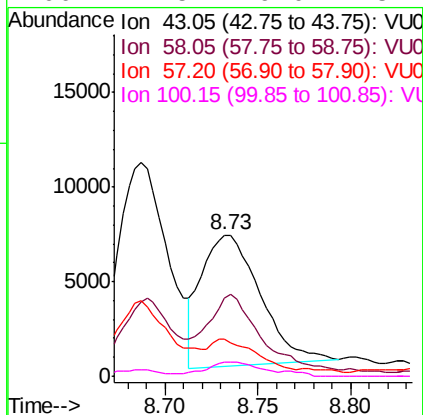
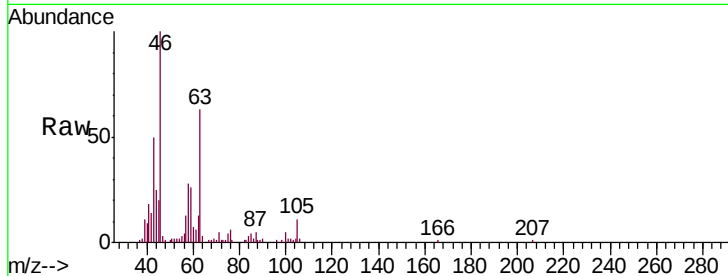




#48
 2-Hexanone
 Concen: 1.734 ug/L
 RT: 8.73 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VU035505.D
 Acq: 25 Oct 2019 22:54

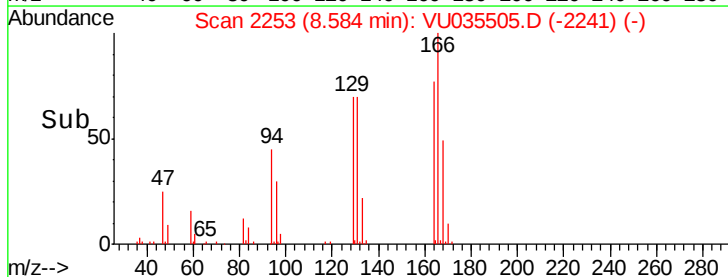
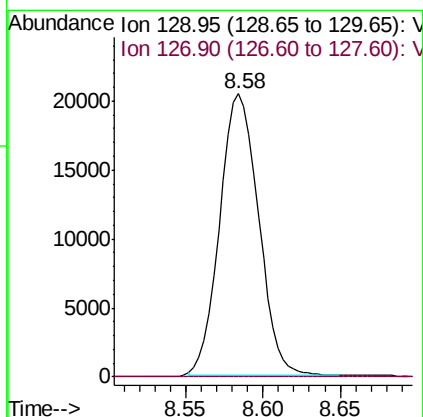
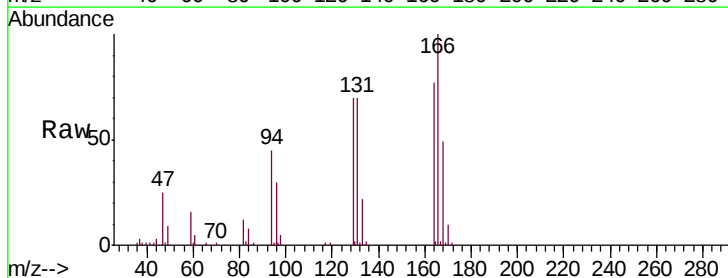
Instrument :
 MSVOA_U
 ClientSampled :
 GAQ94

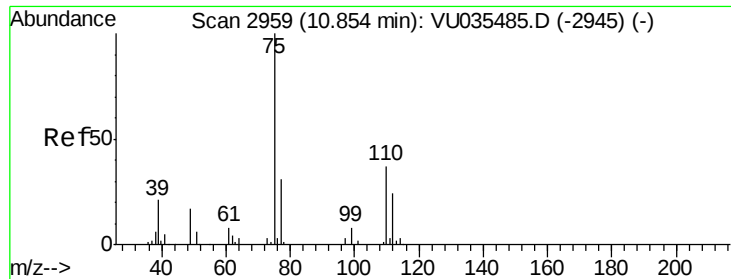
Tgt Ion:	43	Resp:	15256
Ion	Ratio	Lower	Upper
43	100		
58	61.1	43.1	64.7
57	19.3	14.2	21.2
100	7.5	9.0	13.4#



#49
 Dibromochloromethane
 Concen: 1.979 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.26 min
 Lab File: VU035505.D
 Acq: 25 Oct 2019 22:54

Tgt Ion:	129	Resp:	35532
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.6	103.4#





#59
 1,2,3-Trichloropropane
 Concen: 0.694 ug/L
 RT: 11.84 min Scan# 3265
 Delta R.T. 0.98 min
 Lab File: VU035505.D
 Acq: 25 Oct 2019 22:54

Instrument :
 MSVOA_U
 ClientSampleId :
 GAQ94

Tgt Ion: 75 Resp: 9820
 Ion Ratio Lower Upper
 75 100
 77 38.3 27.4 41.0

