

Data File : VU035504.D
Acq On : 25 Oct 2019 22:29
Operator : JC/SP
Sample : K5554-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAQ93

Quant Time: Oct 26 04:12:17 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	193047	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	216565	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	81715	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	127231	4.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.20%
7) Chloroethane-d5	1.93	69	108803	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.59	63	167830	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.80%
20) 2-Butanone-d5	4.71	46	276756	54.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.92%
24) Chloroform-d	5.11	84	206122	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
26) 1,2-Dichloroethane-d4	5.75	65	107643	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	5.77	84	402141	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
36) 1,2-Dichloropropane-d6	6.74	67	134534	5.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.40%
41) Toluene-d8	7.93	98	332781	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	8.22	79	47472	4.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.40%
46) 2-Hexanone-d5	8.68	63	198114	53.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.10%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	105695	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	99112	6.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.00%

Target Compounds

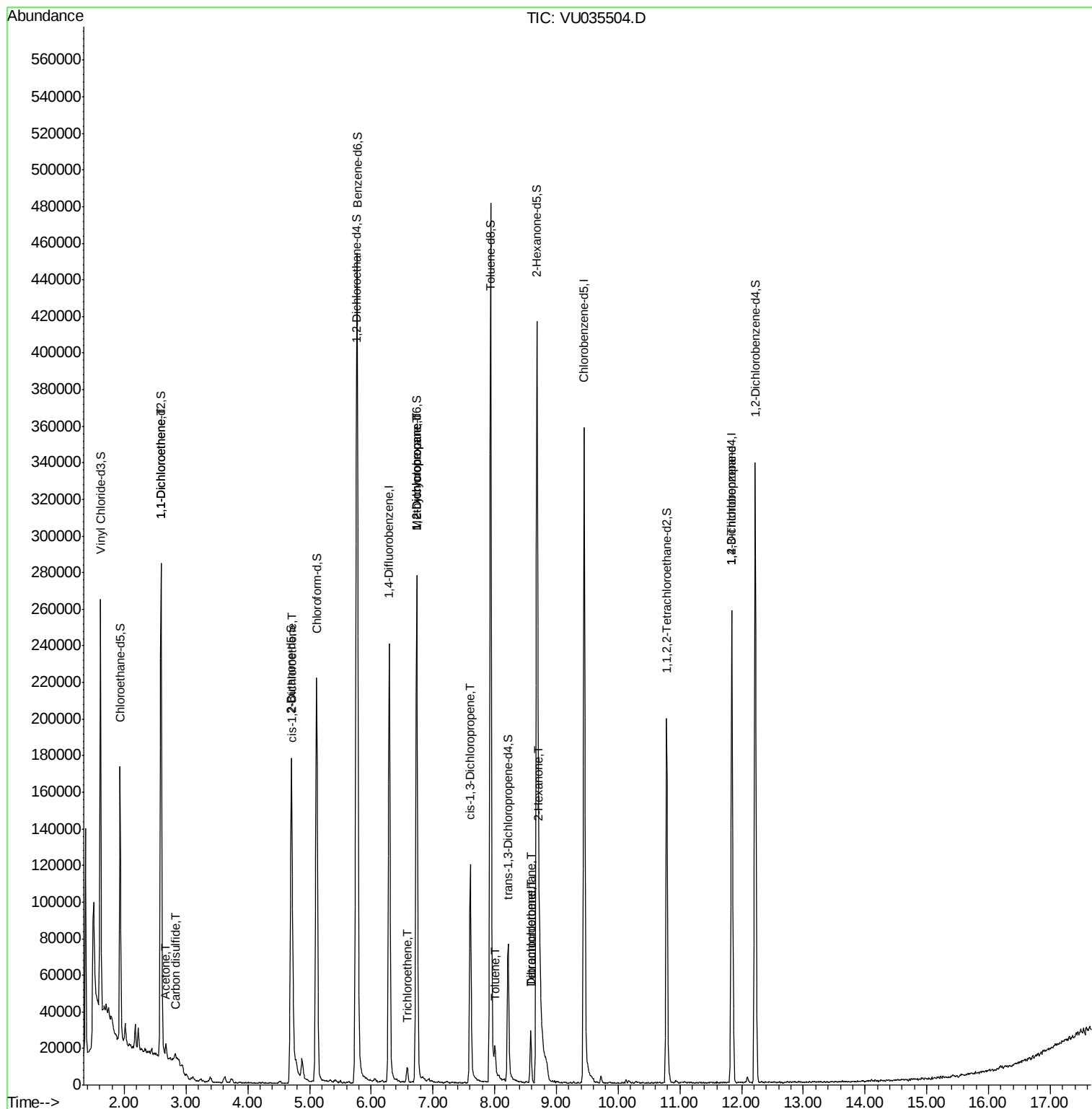
					Qvalue
12) 1,1-Dichloroethene	2.59	96	1317	0.072 ug/L #	1
13) Acetone	2.67	43	6234	1.615 ug/L	89
14) Carbon disulfide	2.82	76	4751	0.073 ug/L #	78
22) cis-1,2-Dichloroethene	4.72	96	3508	0.165 ug/L	79
34) Trichloroethene	6.58	95	2856	0.135 ug/L	95
35) Methylcyclohexane	6.74	83	30107	0.918 ug/L #	16
37) 1,2-Dichloropropane	6.74	63	14597	0.641 ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	3112	0.098 ug/L #	42
42) Toluene	8.01	91	9486	0.108 ug/L	99
47) Tetrachloroethene	8.58	164	5892	0.339 ug/L	88
48) 2-Hexanone	8.73	43	14579	1.607 ug/L	95
49) Dibromochloromethane	8.58	129	6118	0.330 ug/L #	10
59) 1,2,3-Trichloropropane	11.84	75	10235	0.701 ug/L	96

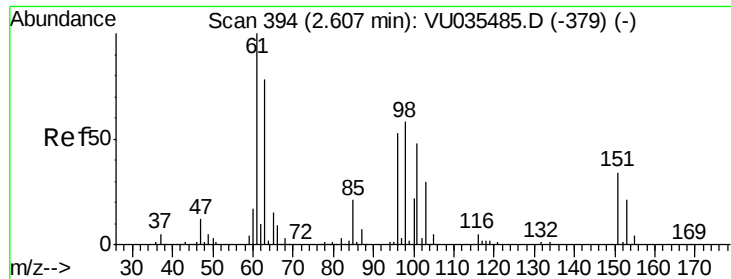
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.072 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU035504.D

Acq: 25 Oct 2019 22:29

Instrument :

MSVOA_U

ClientSampleId :

GAQ93

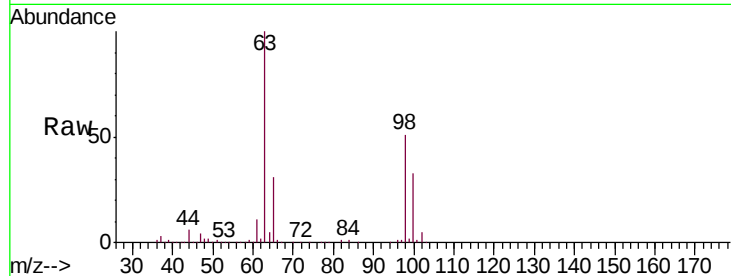
Tgt Ion: 96 Resp: 1317

Ion Ratio Lower Upper

96 100

61 1527.3 131.9 244.9#

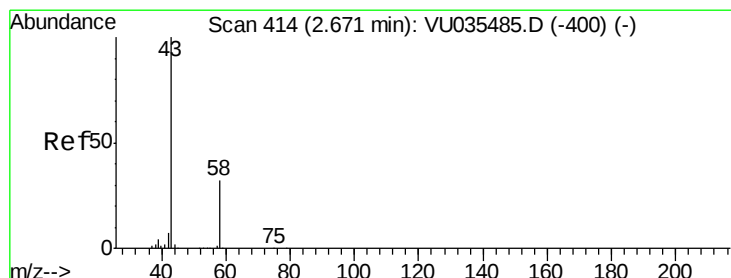
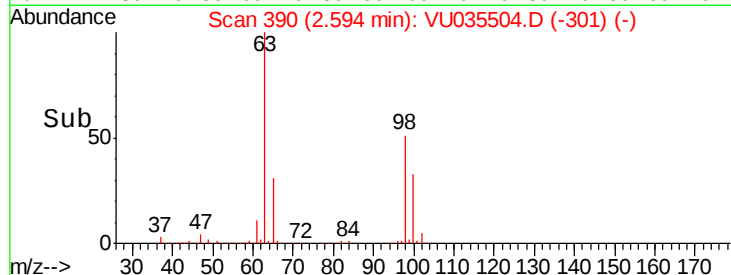
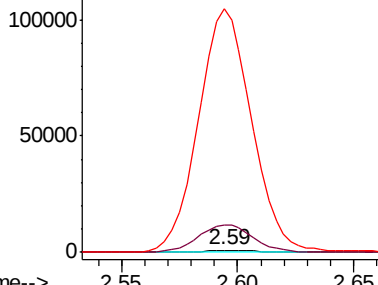
63 13527.6 97.0 180.2#



Abundance Ion 96.00 (95.70 to 96.70): VU035504.D (-390) (-)

Ion 61.05 (60.75 to 61.75): VU035504.D (-390) (-)

Ion 63.00 (62.70 to 63.70): VU035504.D (-390) (-)



#13

Acetone

Concen: 1.615 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU035504.D

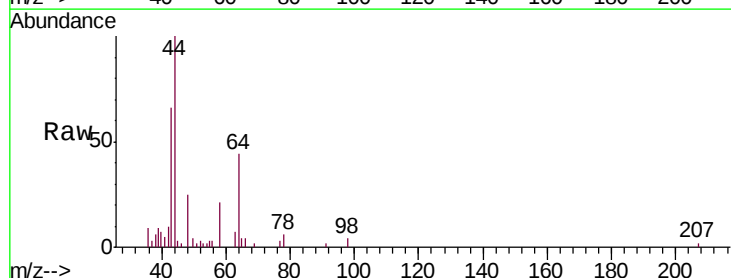
Acq: 25 Oct 2019 22:29

Tgt Ion: 43 Resp: 6234

Ion Ratio Lower Upper

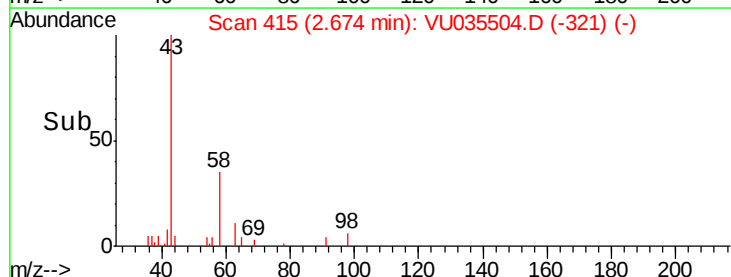
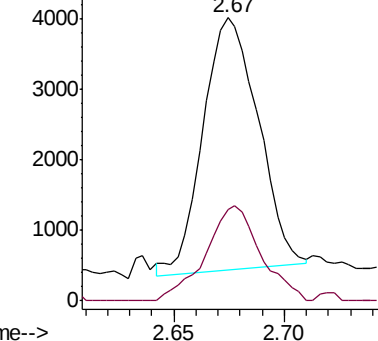
43 100

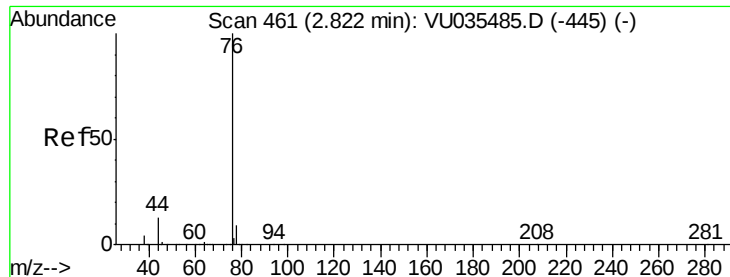
58 37.5 0.0 63.2



Abundance Ion 43.05 (42.75 to 43.75): VU035504.D (-415) (-)

Ion 58.05 (57.75 to 58.75): VU035504.D (-415) (-)





#14

Carbon disulfide

Concen: 0.073 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035504.D

Acq: 25 Oct 2019 22:29

Instrument :

MSVOA_U

ClientSampleId :

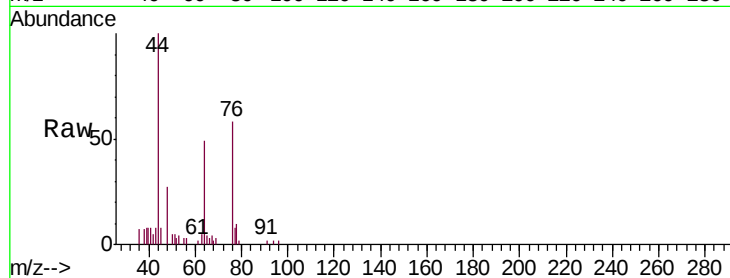
GAQ93

Tgt Ion: 76 Resp: 4751

Ion Ratio Lower Upper

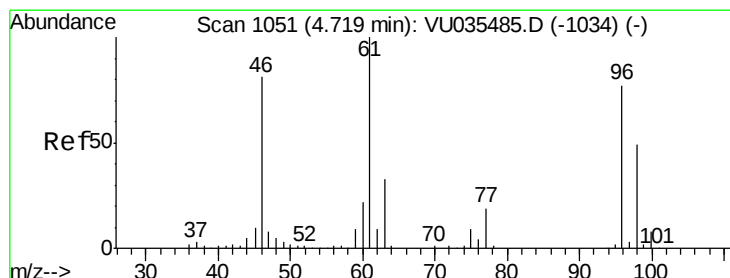
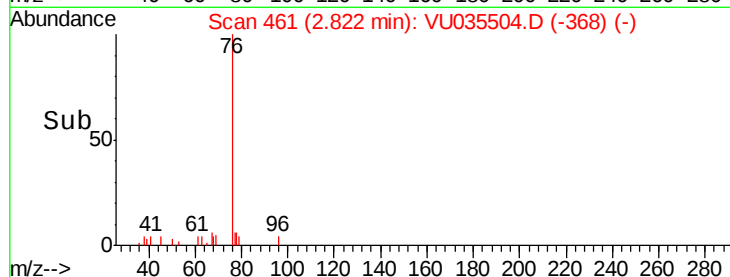
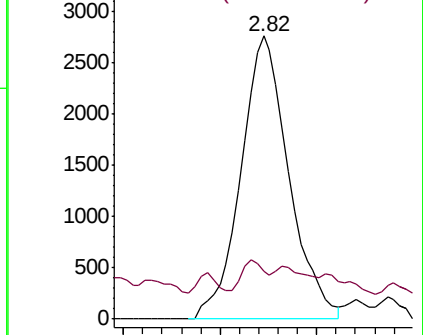
76 100

78 17.0 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VU035504.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU035504.D (-368) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.165 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VU035504.D

Acq: 25 Oct 2019 22:29

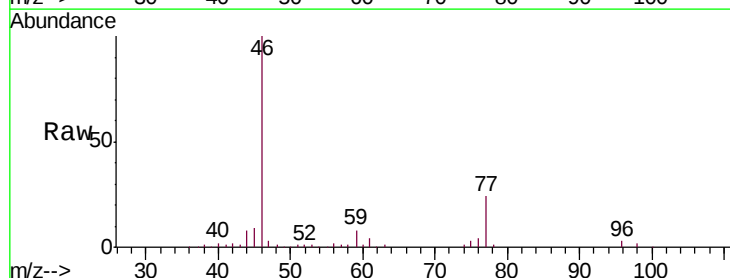
Tgt Ion: 96 Resp: 3508

Ion Ratio Lower Upper

96 100

61 158.1 93.6 173.8

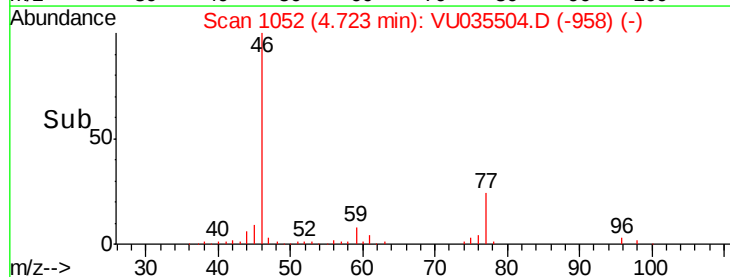
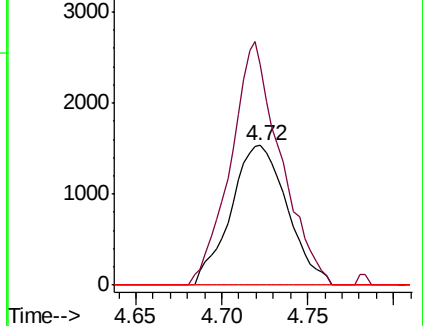
68 0.0 0.0 0.0

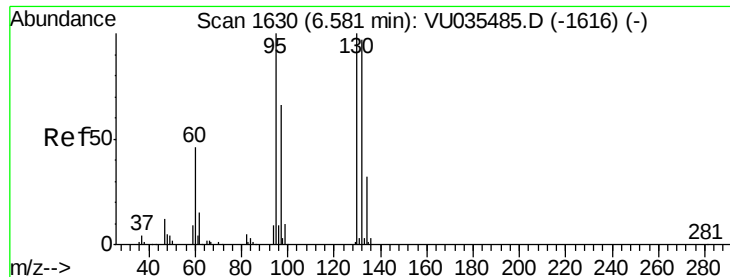


Abundance Ion 96.00 (95.70 to 96.70): VU035504.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU035504.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU035504.D (-958) (-)





#34

Trichloroethene

Concen: 0.135 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035504.D

Acq: 25 Oct 2019 22:29

Instrument :

MSVOA_U

ClientSampleId :

GAQ93

Tgt Ion: 95 Resp: 2856

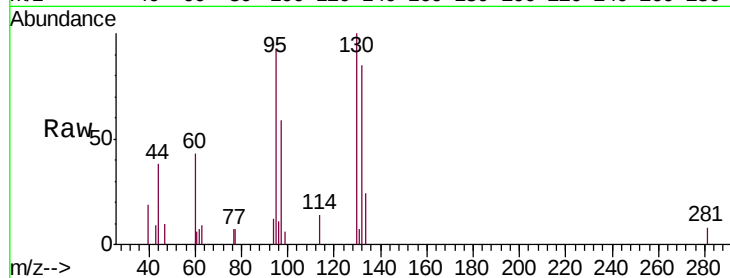
Ion Ratio Lower Upper

95 100

97 63.4 43.8 81.4

132 91.3 67.3 124.9

130 107.8 70.6 131.2

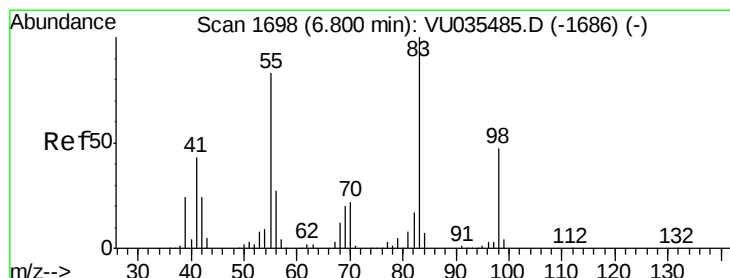
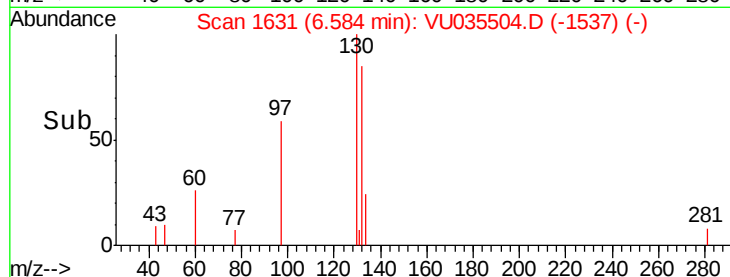
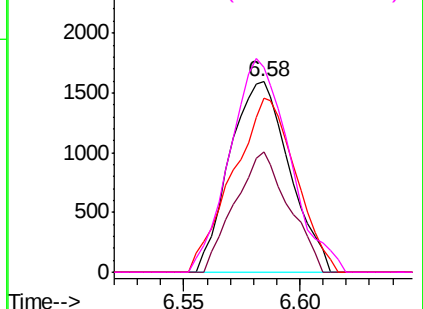


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.918 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035504.D

Acq: 25 Oct 2019 22:29

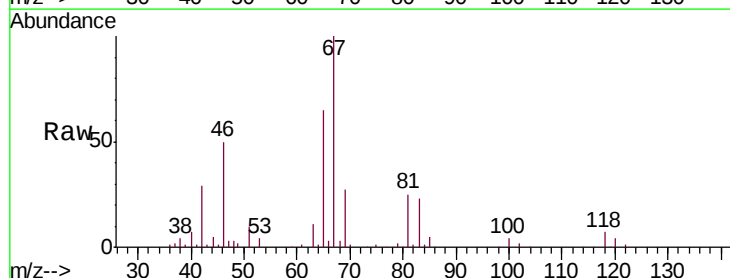
Tgt Ion: 83 Resp: 30107

Ion Ratio Lower Upper

83 100

55 0.3 67.3 100.9#

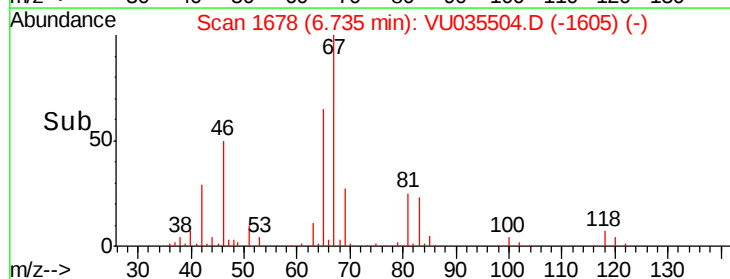
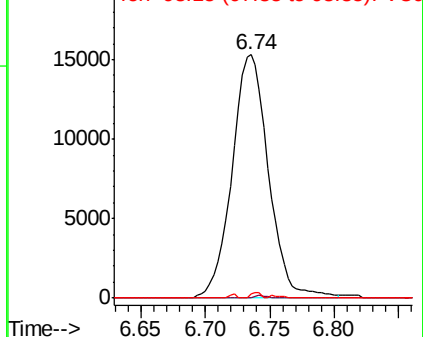
98 0.6 39.0 58.6#

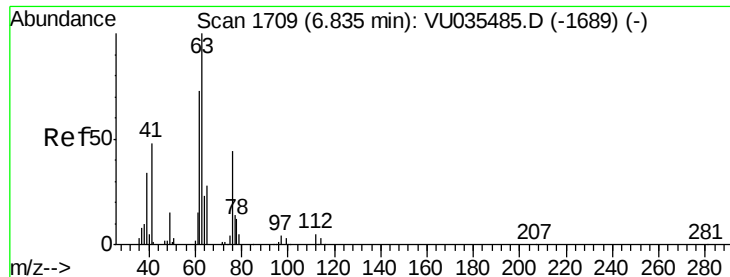


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.641 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035504.D

Acq: 25 Oct 2019 22:29

Instrument :

MSVOA_U

ClientSampleId :

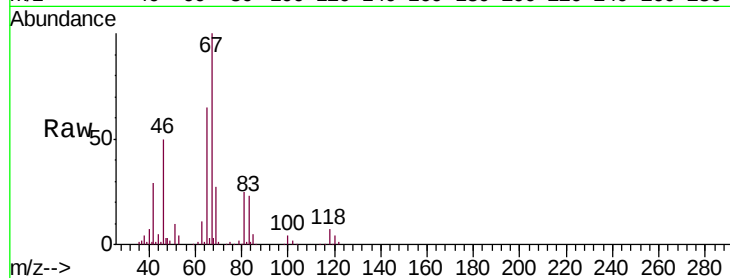
GAQ93

Tgt Ion: 63 Resp: 14597

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU035504.D (-1678) (-)

Ion 112.10 (111.80 to 112.80): VU035504.D (-1678) (-)

6.74

8000

6000

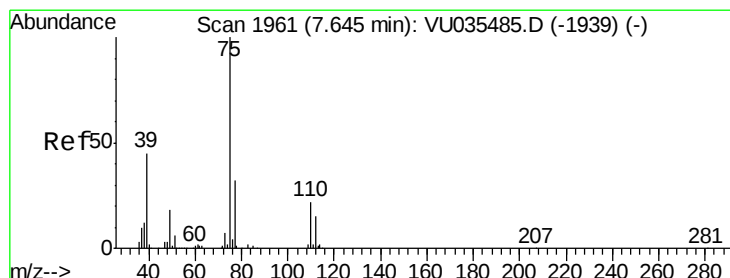
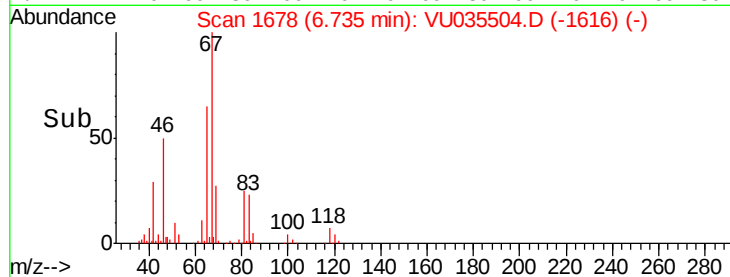
4000

2000

0

6.65 6.70 6.75 6.80

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.098 ug/L

RT: 7.60 min Scan# 1948

Delta R.T. -0.04 min

Lab File: VU035504.D

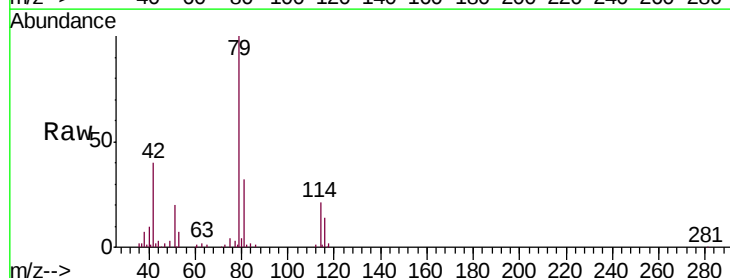
Acq: 25 Oct 2019 22:29

Tgt Ion: 75 Resp: 3112

Ion Ratio Lower Upper

75 100

77 63.4 22.0 40.8#



Abundance Ion 75.05 (74.75 to 75.75): VU035504.D (-1948) (-)

Ion 77.05 (76.75 to 77.75): VU035504.D (-1948) (-)

7.60

2000

1500

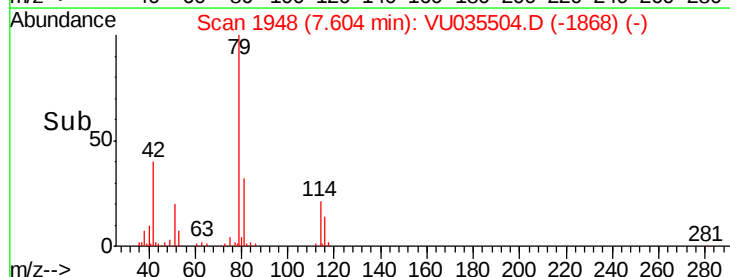
1000

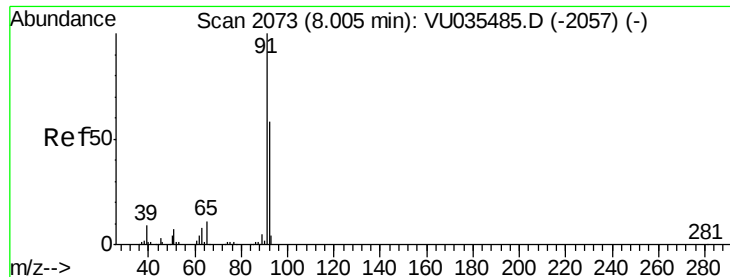
500

0

7.55 7.60 7.65

Time-->





#42

Toluene

Concen: 0.108 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035504.D

Acq: 25 Oct 2019 22:29

Instrument :

MSVOA_U

ClientSampleId :

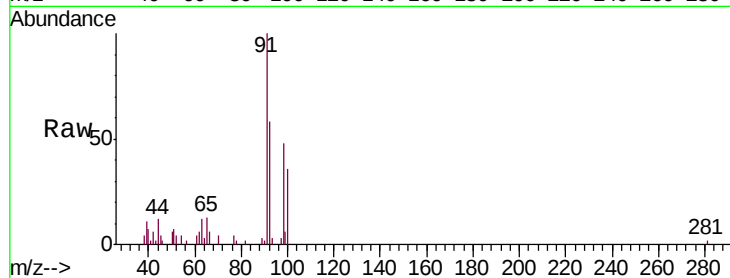
GAQ93

Tgt Ion: 91 Resp: 9486

Ion Ratio Lower Upper

91 100

92 57.7 40.9 75.9

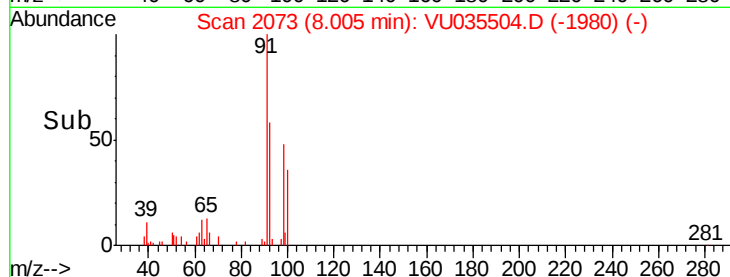


Abundance Ion 91.15 (90.85 to 91.85): VU035485.D (-2057) (-)

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

8.01

Time-->



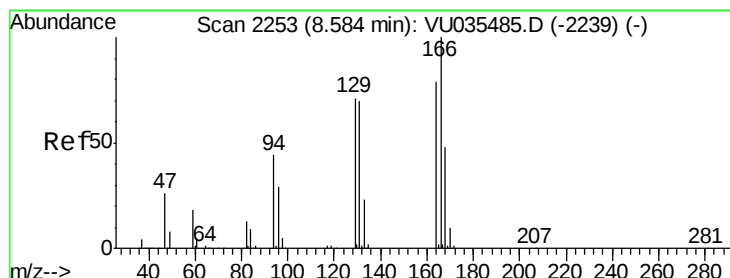
Abundance

Ion 91.15 (90.85 to 91.85): VU035504.D (-1980) (-)

Ion 92.15 (91.85 to 92.85): VU035504.D (-1980) (-)

8.01

Time-->



#47

Tetrachloroethene

Concen: 0.339 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035504.D

Acq: 25 Oct 2019 22:29

Tgt Ion: 164 Resp: 5892

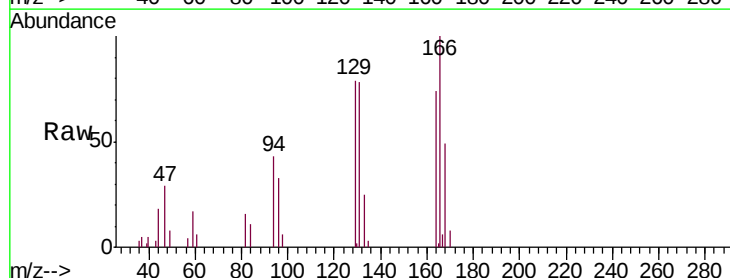
Ion Ratio Lower Upper

164 100

129 107.4 64.6 120.0

131 106.2 63.1 117.3

166 135.3 90.4 168.0



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

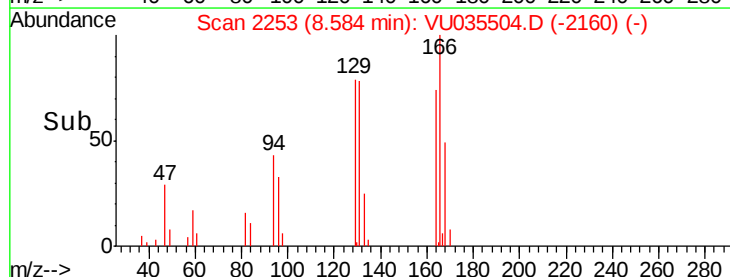
Ion 128.95 (128.65 to 129.65): VU035485.D (-2239) (-)

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

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

8.58

Time-->



Abundance

Ion 163.90 (163.60 to 164.60): VU035504.D (-2160) (-)

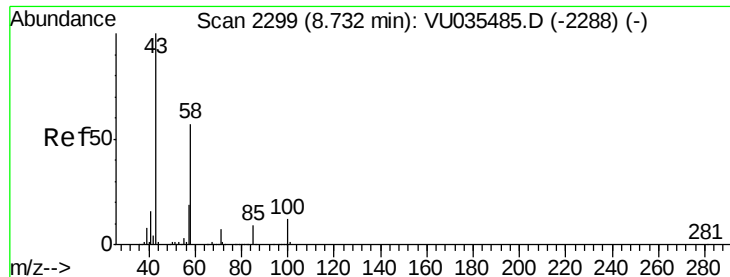
Ion 128.95 (128.65 to 129.65): VU035504.D (-2160) (-)

Ion 130.95 (130.65 to 131.65): VU035504.D (-2160) (-)

Ion 165.90 (165.60 to 166.60): VU035504.D (-2160) (-)

8.58

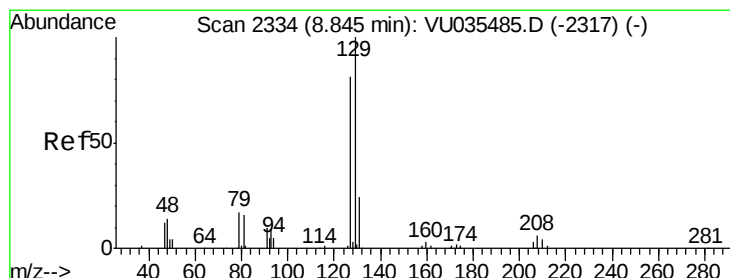
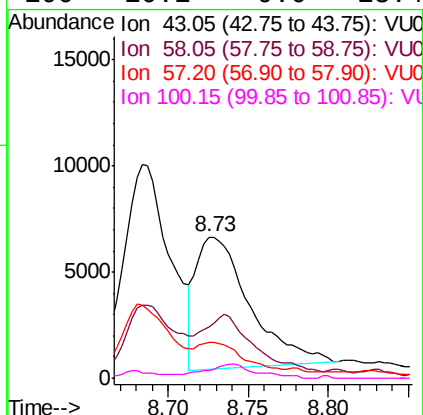
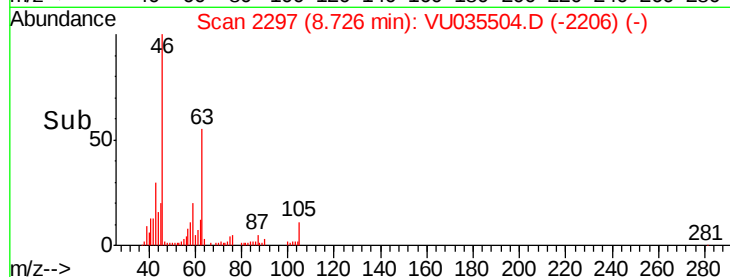
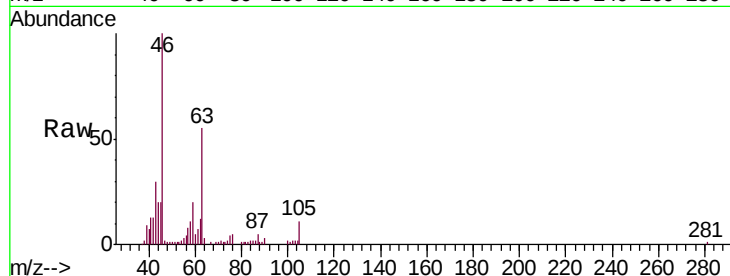
Time-->



#48
2-Hexanone
Concen: 1.607 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. -0.01 min
Lab File: VU035504.D
Acq: 25 Oct 2019 22:29

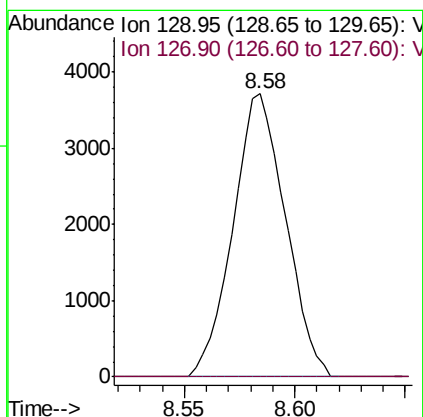
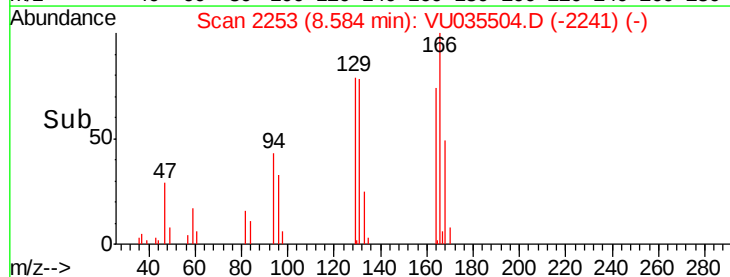
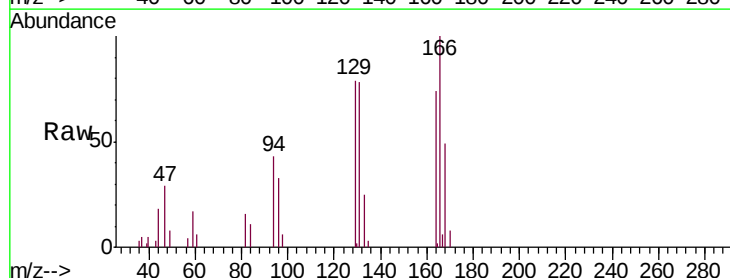
Instrument :
MSVOA_U
ClientSampleId :
GAQ93

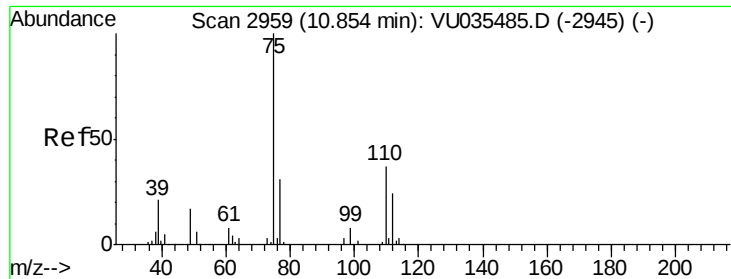
Tgt Ion: 43 Resp: 14579
Ion Ratio Lower Upper
43 100
58 48.8 43.1 64.7
57 17.5 14.2 21.2
100 10.1 9.0 13.4



#49
Dibromochloromethane
Concen: 0.330 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035504.D
Acq: 25 Oct 2019 22:29

Tgt Ion: 129 Resp: 6118
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#





#59

1,2,3-Trichloropropane

Concen: 0.701 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035504.D

Acq: 25 Oct 2019 22:29

Instrument :

MSVOA_U

ClientSampleId :

GAQ93

Tgt Ion: 75 Resp: 10235

Ion Ratio Lower Upper

75 100

77 36.3 27.4 41.0

