

Data File : VU035501.D
Acq On : 25 Oct 2019 21:15
Operator : JC/SP
Sample : K5554-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAQ90

Quant Time: Oct 26 04:11:51 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	200533	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	229047	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	93804	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	134807	5.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.20%
7) Chloroethane-d5	1.93	69	110006	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.59	63	160942	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	4.71	46	281426	53.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.62%
24) Chloroform-d	5.11	84	204771	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
26) 1,2-Dichloroethane-d4	5.75	65	109206	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.77	84	403488	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.74	67	133990	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.93	98	331866	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	8.22	79	45959	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.68	63	204553	51.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.58%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	106592	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	109501	5.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.60%

Target Compounds

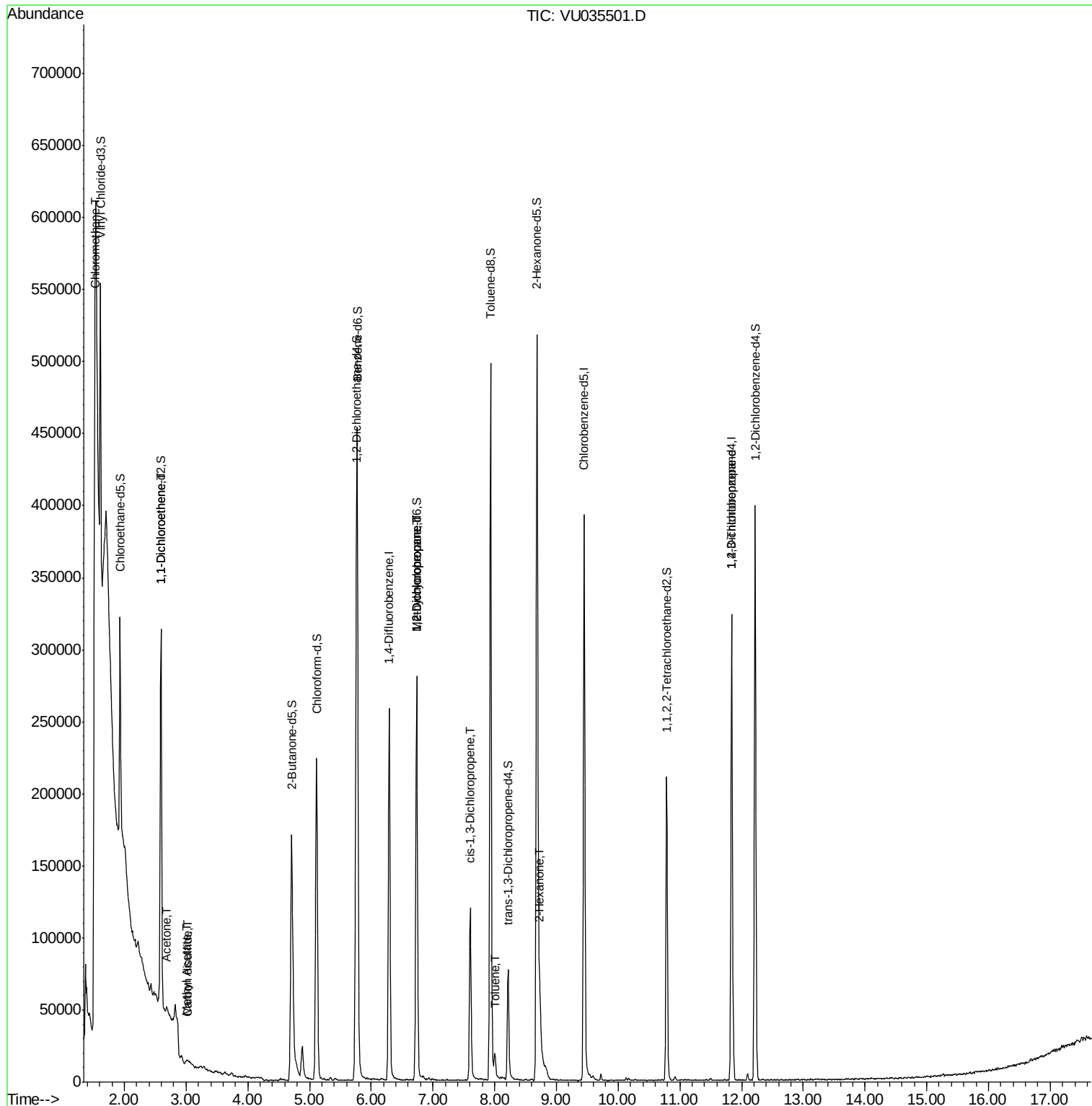
					Qvalue
3) Chloromethane	1.54	50	35585	1.124 ug/L #	47
12) 1,1-Dichloroethene	2.60	96	1234	0.065 ug/L #	1
13) Acetone	2.68	43	8301	2.070 ug/L	92
14) Carbon disulfide	3.03	76	11548	0.171 ug/L	97
15) Methyl Acetate	3.01	43	1512	0.165 ug/L #	67
35) Methylcyclohexane	6.74	83	31384	0.905 ug/L #	16
37) 1,2-Dichloropropane	6.74	63	14539	0.603 ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	3091	0.092 ug/L #	60
42) Toluene	8.01	91	10904	0.117 ug/L	98
48) 2-Hexanone	8.73	43	15744	1.640 ug/L	92
59) 1,2,3-Trichloropropane	11.83	75	12058	0.781 ug/L	99

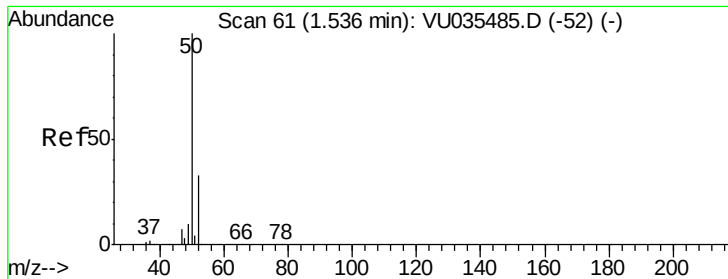
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.124 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU035501.D

Acq: 25 Oct 2019 21:15

Instrument :

MSVOA_U

ClientSampleId :

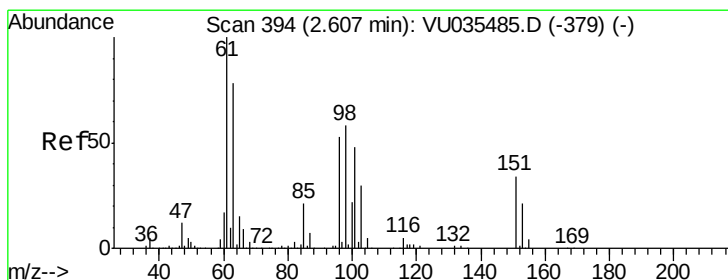
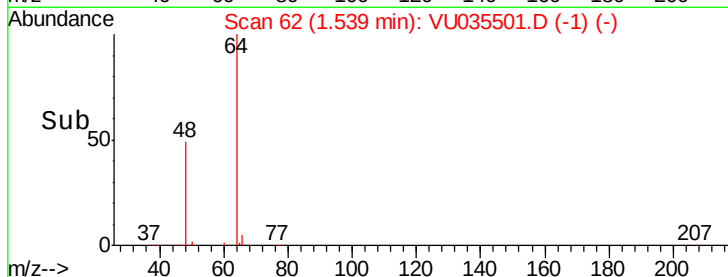
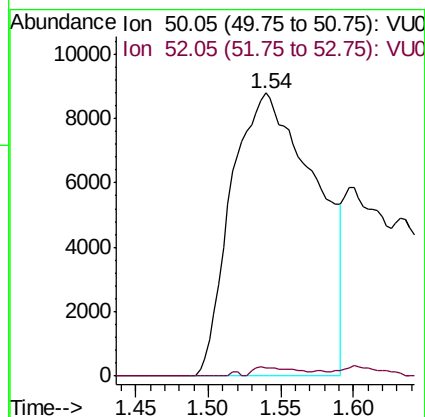
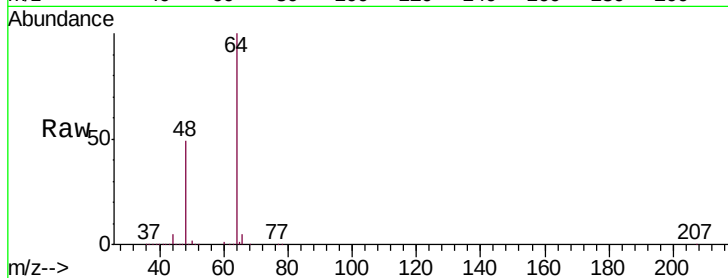
GAQ90

Tgt Ion: 50 Resp: 35585

Ion Ratio Lower Upper

50 100

52 3.0 22.7 42.3#



#12

1,1-Dichloroethene

Concen: 0.065 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU035501.D

Acq: 25 Oct 2019 21:15

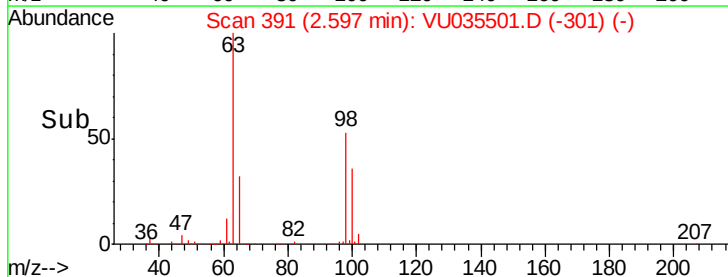
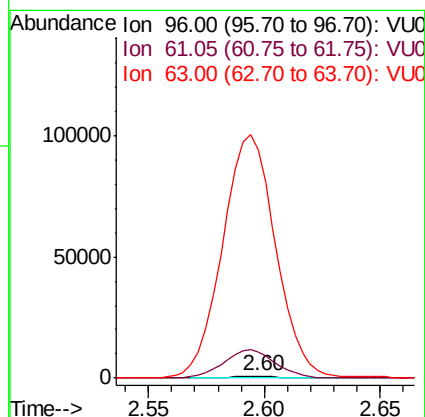
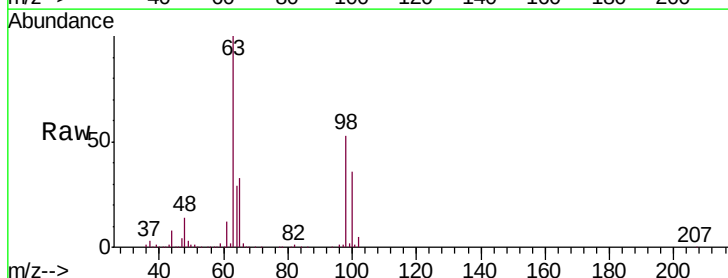
Tgt Ion: 96 Resp: 1234

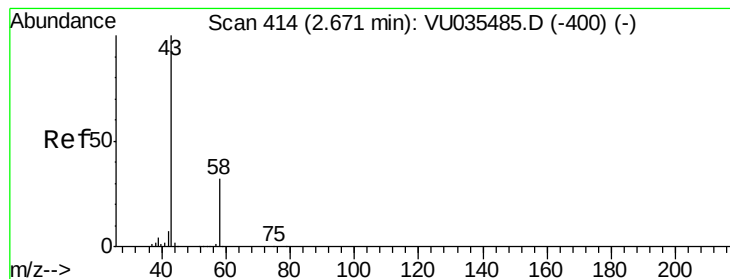
Ion Ratio Lower Upper

96 100

61 1477.2 131.9 244.9#

63 12726.5 97.0 180.2#





#13

Acetone

Concen: 2.070 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.01 min

Lab File: VU035501.D

Acq: 25 Oct 2019 21:15

Instrument :

MSVOA_U

ClientSampleId :

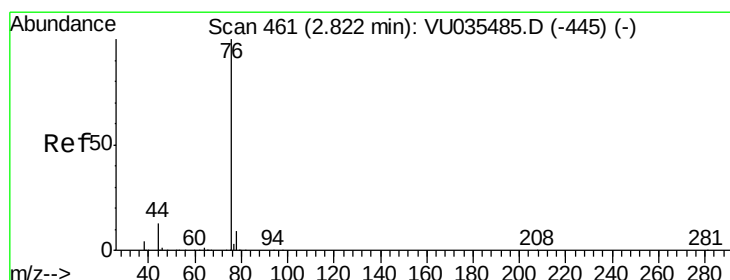
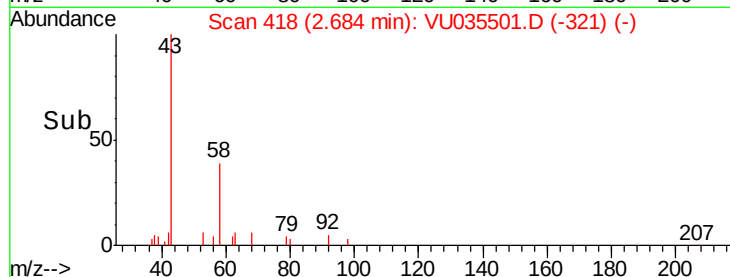
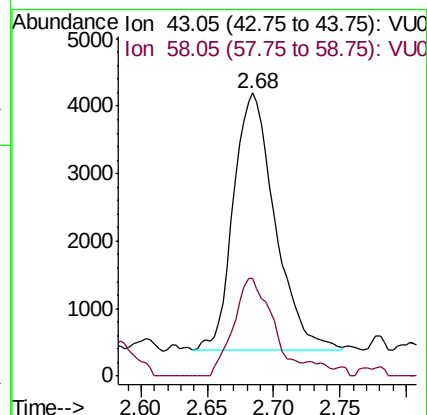
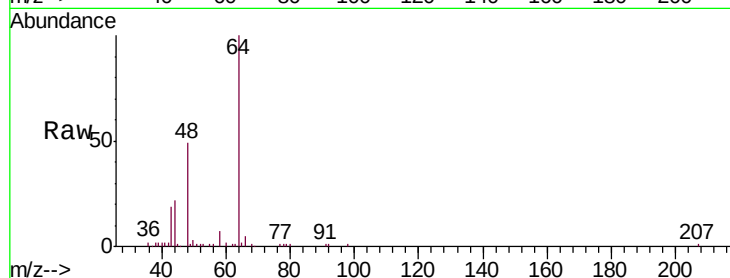
GAQ90

Tgt Ion: 43 Resp: 8301

Ion Ratio Lower Upper

43 100

58 36.2 0.0 63.2



#14

Carbon disulfide

Concen: 0.171 ug/L

RT: 3.03 min Scan# 526

Delta R.T. 0.21 min

Lab File: VU035501.D

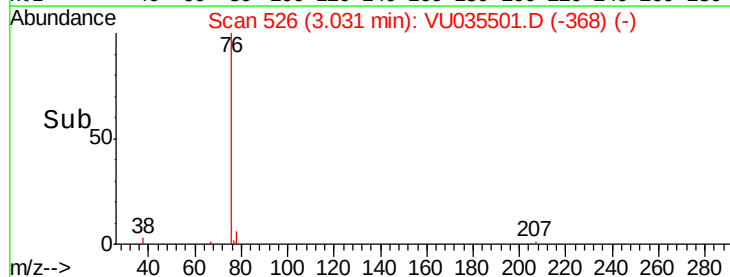
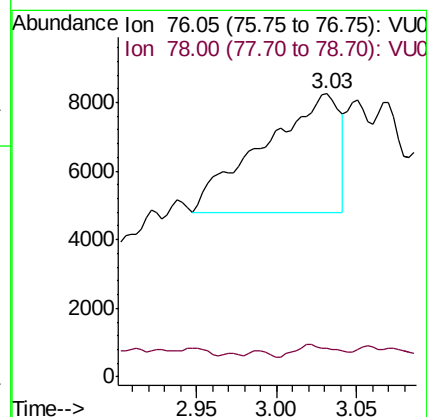
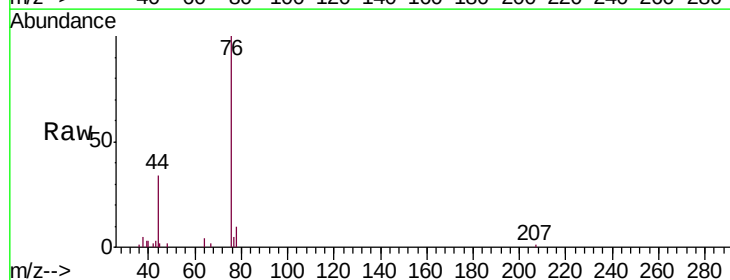
Acq: 25 Oct 2019 21:15

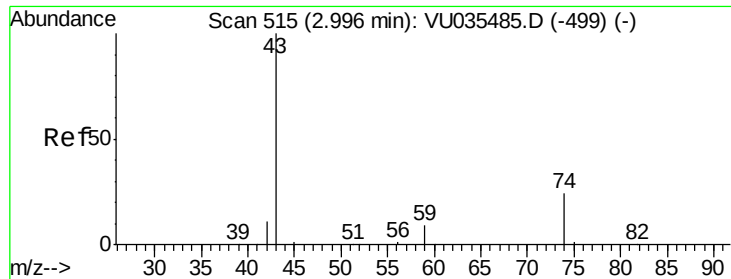
Tgt Ion: 76 Resp: 11548

Ion Ratio Lower Upper

76 100

78 10.1 7.3 10.9

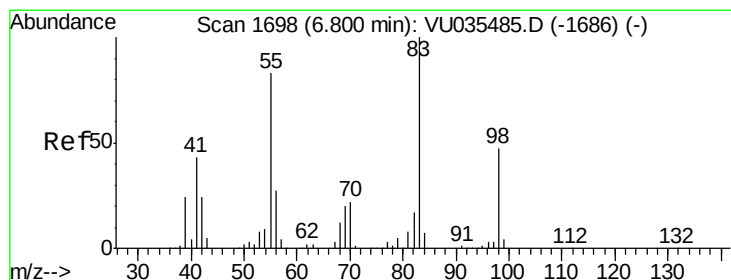
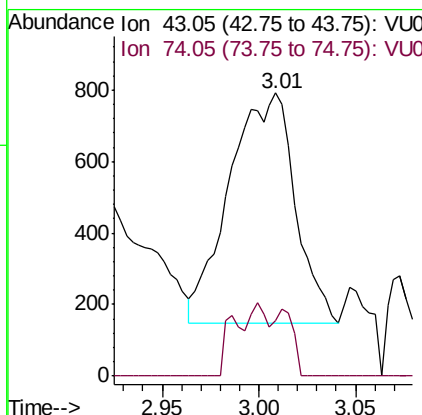
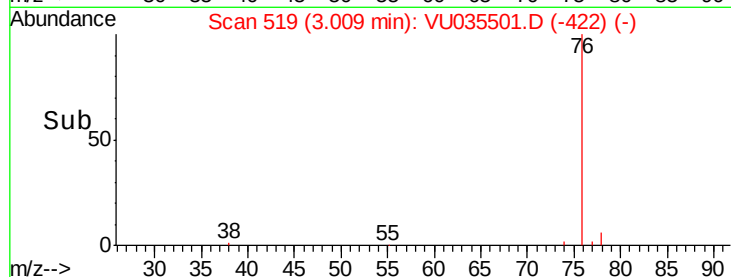
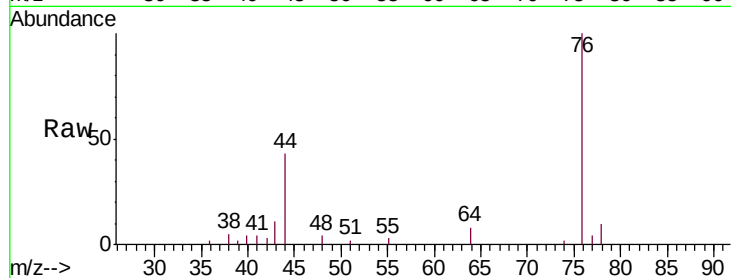




#15
Methyl Acetate
Concen: 0.165 ug/L
RT: 3.01 min Scan# 519
Delta R.T. 0.01 min
Lab File: VU035501.D
Acq: 25 Oct 2019 21:15

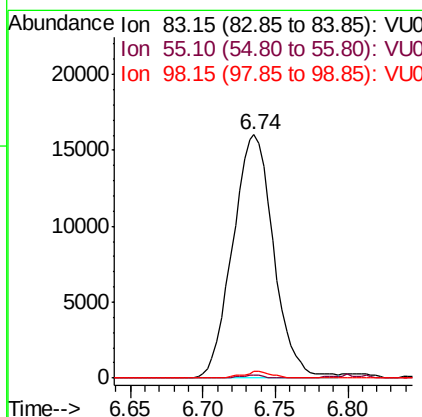
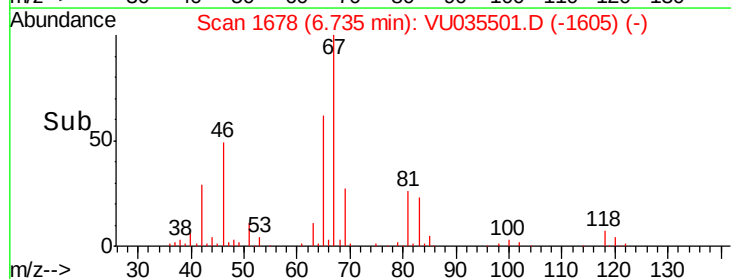
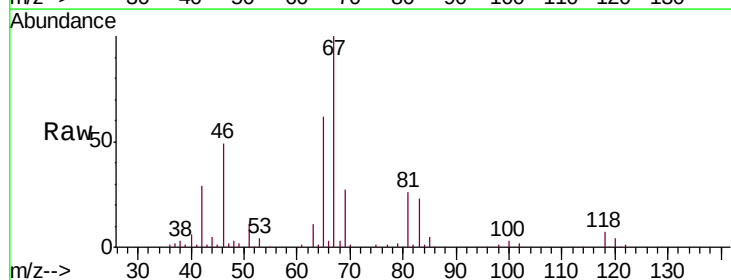
Instrument :
MSVOA_U
ClientSampleId :
GAQ90

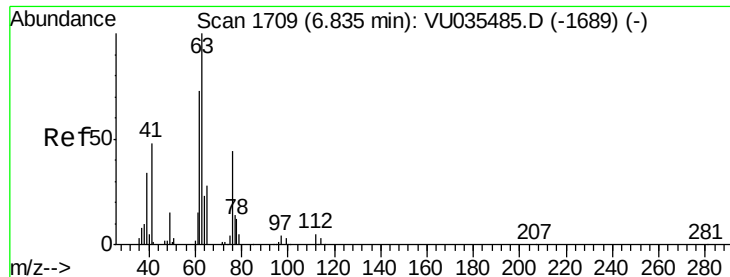
Tgt Ion: 43 Resp: 1512
Ion Ratio Lower Upper
43 100
74 8.1 19.4 29.2#



#35
Methylcyclohexane
Concen: 0.905 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035501.D
Acq: 25 Oct 2019 21:15

Tgt Ion: 83 Resp: 31384
Ion Ratio Lower Upper
83 100
55 0.7 67.3 100.9#
98 1.9 39.0 58.6#

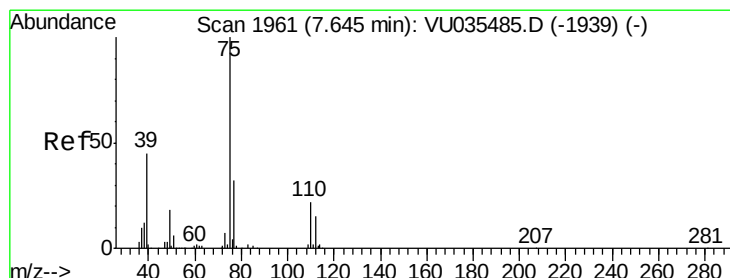
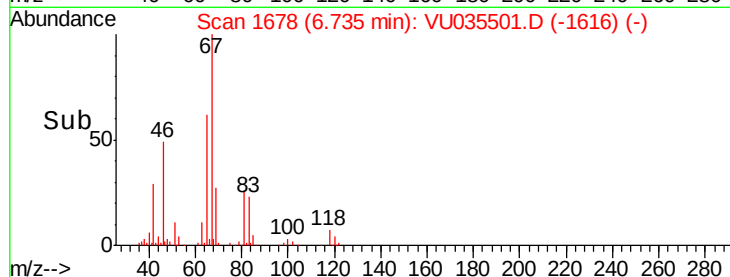
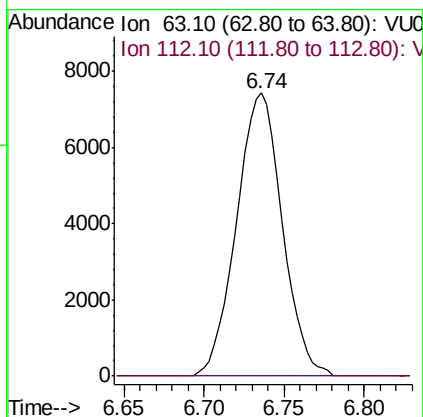
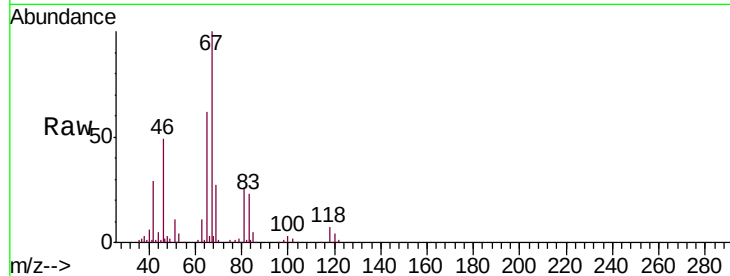




#37
 1,2-Dichloropropane
 Concen: 0.603 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.10 min
 Lab File: VU035501.D
 Acq: 25 Oct 2019 21:15

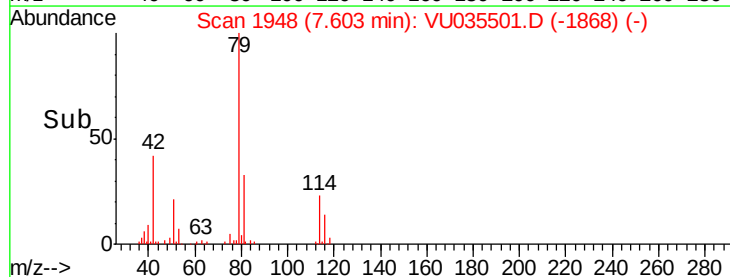
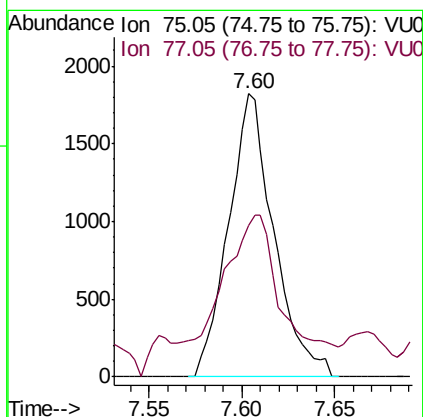
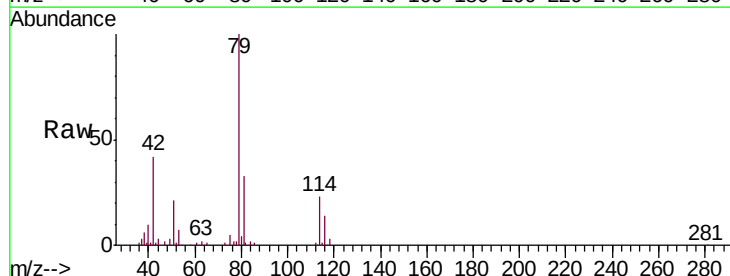
Instrument :
 MSVOA_U
 ClientSampleId :
 GAQ90

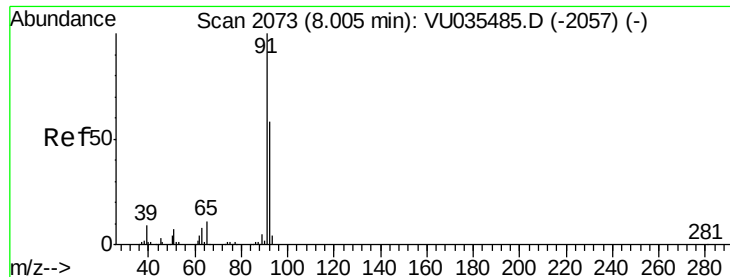
Tgt Ion: 63 Resp: 14539
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU035501.D
 Acq: 25 Oct 2019 21:15

Tgt Ion: 75 Resp: 3091
 Ion Ratio Lower Upper
 75 100
 77 53.5 22.0 40.8#





#42

Toluene

Concen: 0.117 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035501.D

Acq: 25 Oct 2019 21:15

Instrument :

MSVOA_U

ClientSampleId :

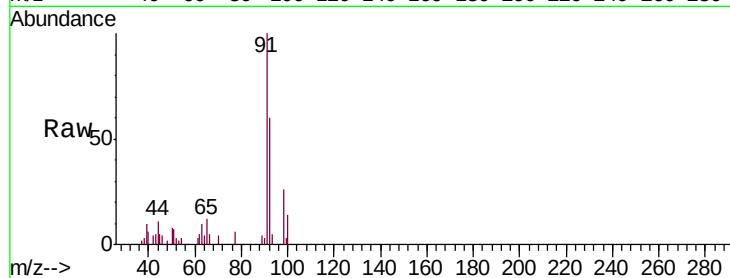
GAQ90

Tgt Ion: 91 Resp: 10904

Ion Ratio Lower Upper

91 100

92 59.6 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

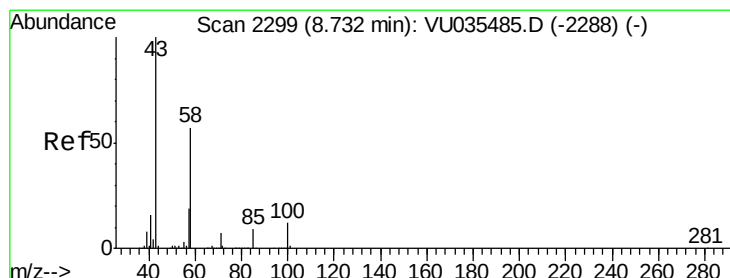
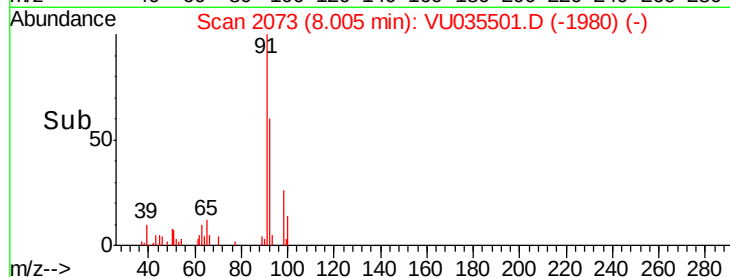
4000

2000

0

7.95 8.00 8.05

Time-->



#48

2-Hexanone

Concen: 1.640 ug/L

RT: 8.73 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VU035501.D

Acq: 25 Oct 2019 21:15

Tgt Ion: 43 Resp: 15744

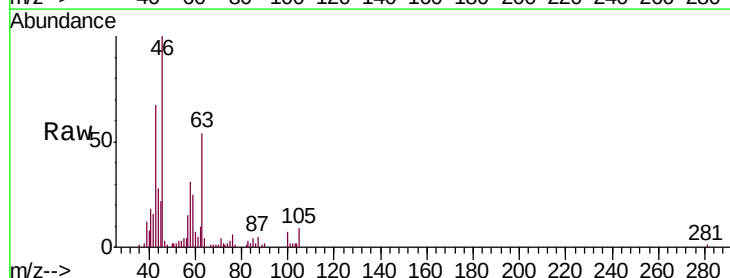
Ion Ratio Lower Upper

43 100

58 46.9 43.1 64.7

57 20.0 14.2 21.2

100 9.3 9.0 13.4



Abundance Ion 43.05 (42.75 to 43.75): VU035485.D (-2288) (-)

Ion 58.05 (57.75 to 58.75): VU035485.D (-2288) (-)

Ion 57.20 (56.90 to 57.90): VU035485.D (-2288) (-)

Ion 100.15 (99.85 to 100.85): VU035485.D (-2288) (-)

8.73

20000

15000

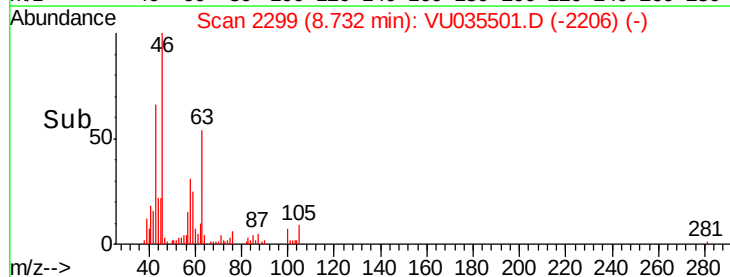
10000

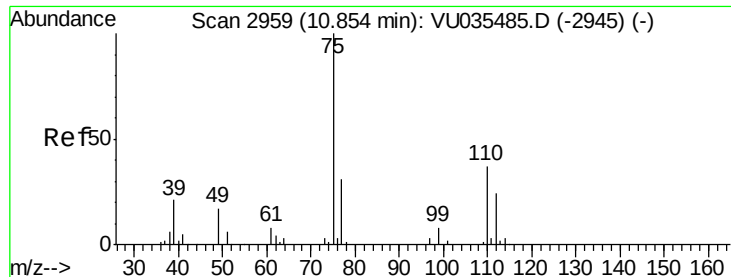
5000

0

8.70 8.75 8.80

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.781 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.98 min

Lab File: VU035501.D

Acq: 25 Oct 2019 21:15

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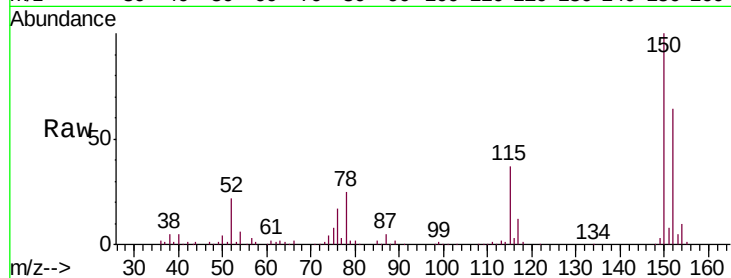
GAQ90

Tgt Ion: 75 Resp: 12058

Ion Ratio Lower Upper

75 100

77 33.8 27.4 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

