

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111819\
 Data File : VU035754.D
 Acq On : 18 Nov 2019 19:38
 Operator : JC/SP
 Sample : K5910-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 00:37:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 19 00:32:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	181891	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	214662	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	87743	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	84019	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.93	69	79116	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.40%
11) 1,1-Dichloroethene-d2	2.59	63	109894	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	4.70	46	217864	52.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.40%
24) Chloroform-d	5.11	84	144704	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.75	65	84463	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.77	84	307539	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.74	67	104982	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.93	98	246771	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
43) trans-1,3-Dichloropropene-	8.21	79	35180	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
46) 2-Hexanone-d5	8.68	63	150262	43.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.88%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	94879	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	87340	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

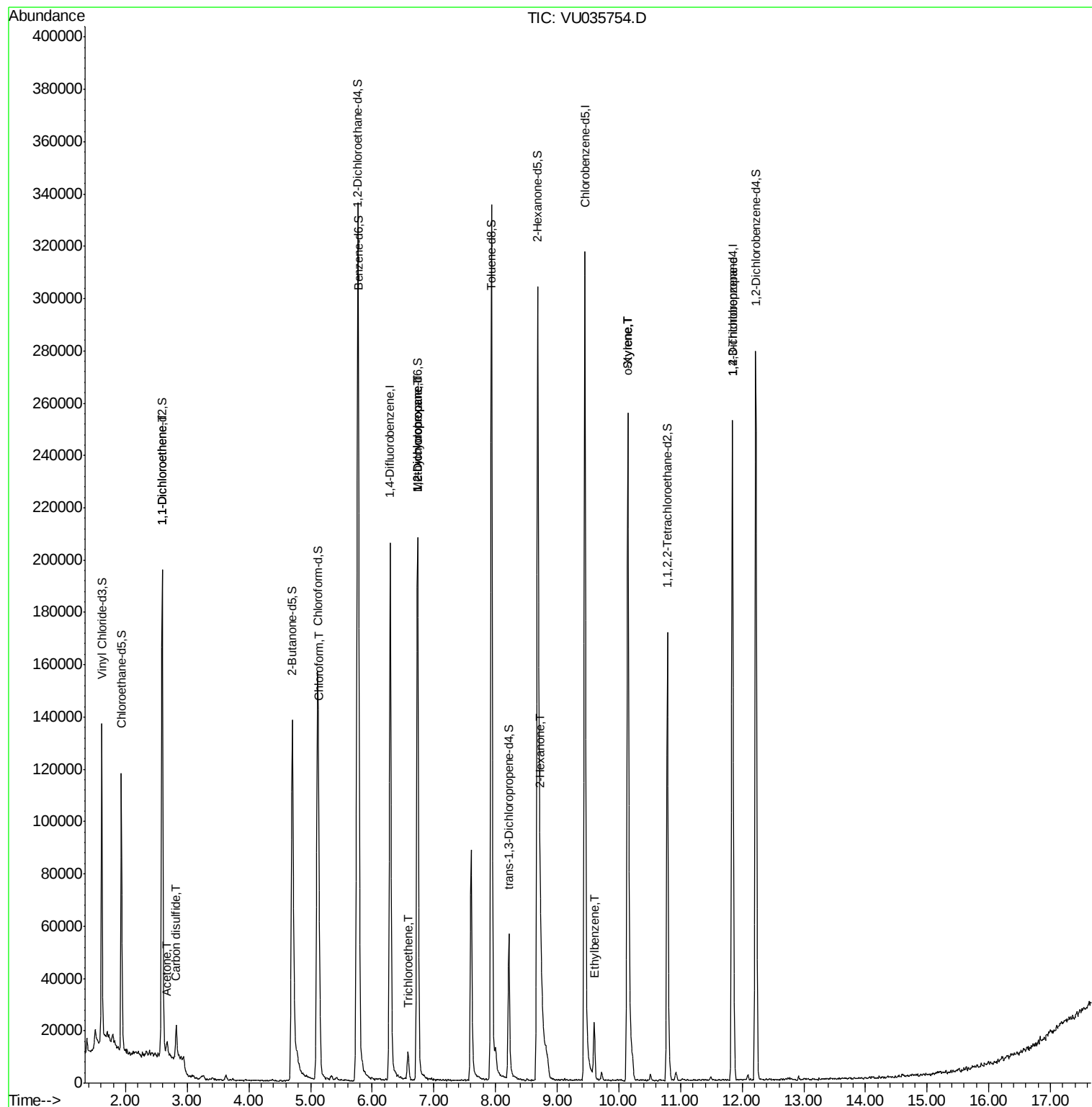
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	1196	0.075	ug/L #	1
13) Acetone	2.67	43	5451	1.829	ug/L	89
14) Carbon disulfide	2.82	76	17442	0.336	ug/L #	89
25) Chloroform	5.14	83	30190	0.908	ug/L	96
34) Trichloroethene	6.58	95	3993	0.207	ug/L	79
35) Methylcyclohexane	6.74	83	24159	0.820	ug/L #	19
37) 1,2-Dichloropropane	6.74	63	10603	0.533	ug/L #	87
48) 2-Hexanone	8.73	43	15387	1.892	ug/L #	45
52) Ethylbenzene	9.60	91	16388	0.196	ug/L	95
54) o-Xylene	10.13	106	2603	0.085	ug/L	95
55) Styrene	10.15	104	164675	3.254	ug/L	91
59) 1,2,3-Trichloropropane	11.84	75	9615	0.730	ug/L	95

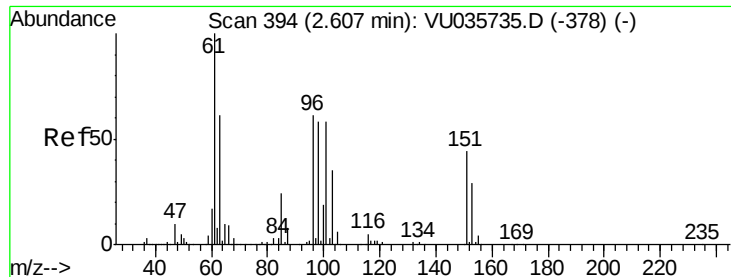
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.075 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU035754.D

Acq: 18 Nov 2019 19:38

Instrument :
MSVOA_U
ClientSampleId :

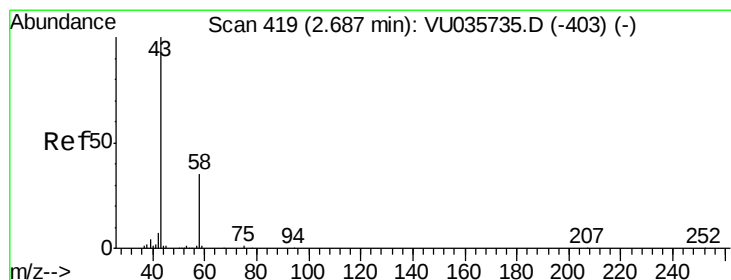
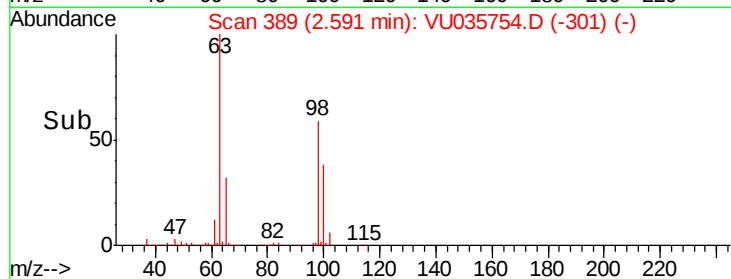
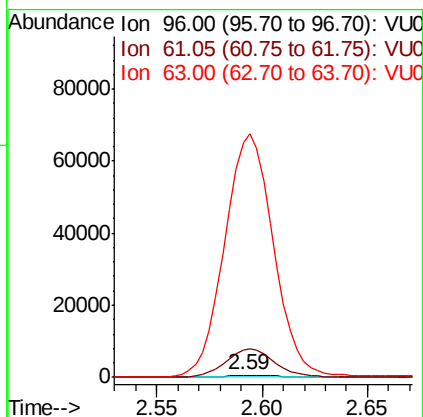
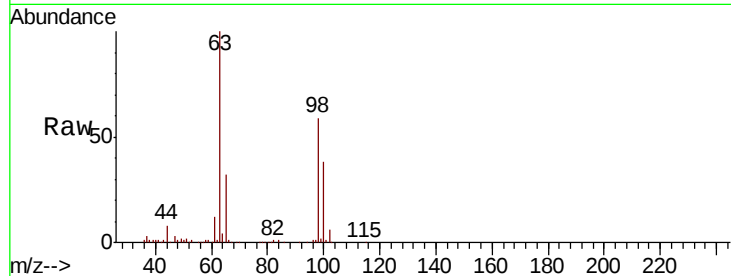
Tot Ion: 96 Resp: 1196

Ion Ratio Lower Upper

96 100

61 1190.2 123.1 228.5#

63 10142.5 87.8 163.0#



#13

Acetone

Concen: 1.829 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.02 min

Lab File: VU035754.D

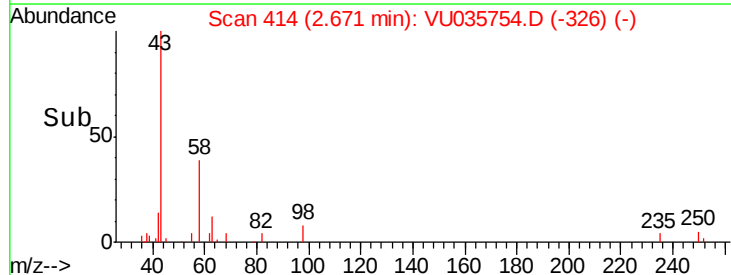
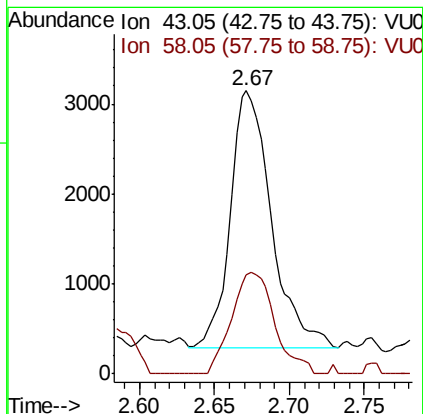
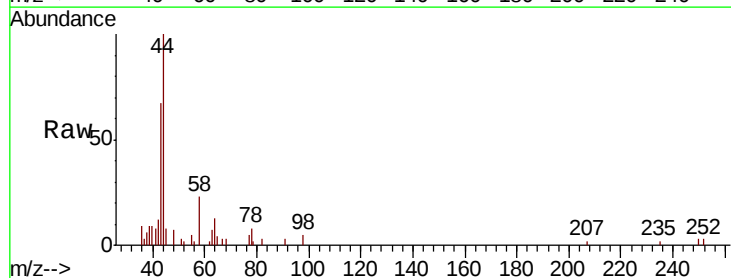
Acq: 18 Nov 2019 19:38

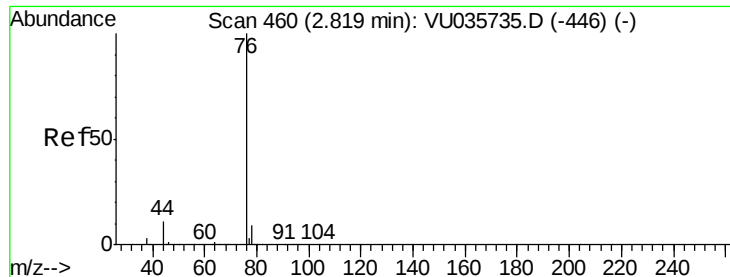
Tgt Ion: 43 Resp: 5451

Ion Ratio Lower Upper

43 100

58 41.5 0.0 69.8





#14

Carbon disulfide

Concen: 0.336 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035754.D

Acq: 18 Nov 2019 19:38

Instrument :

MSVOA_U

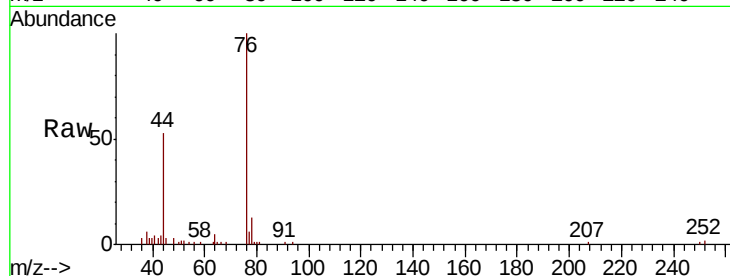
ClientSampleId :

Tot Ion: 76 Resp: 17442

Ion Ratio Lower Upper

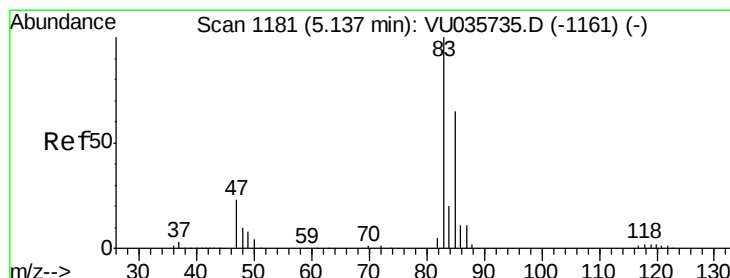
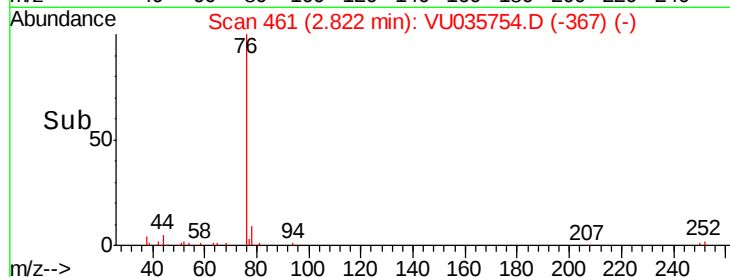
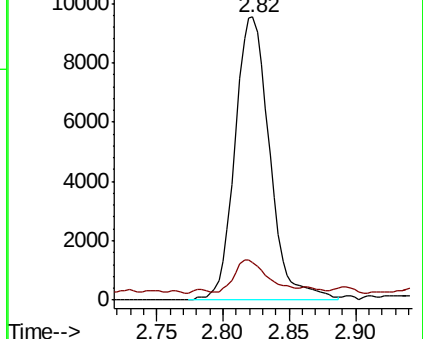
76 100

78 13.2 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VU035735.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU035735.D (-446) (-)



#25

Chloroform

Concen: 0.908 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU035754.D

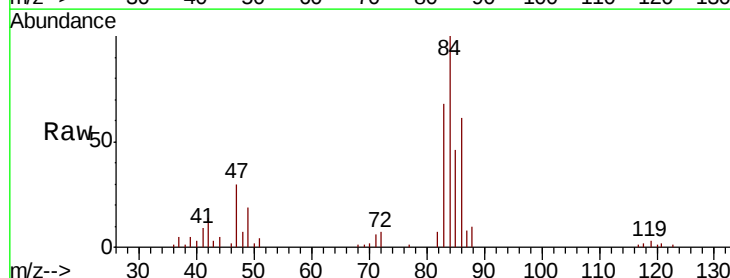
Acq: 18 Nov 2019 19:38

Tgt Ion: 83 Resp: 30190

Ion Ratio Lower Upper

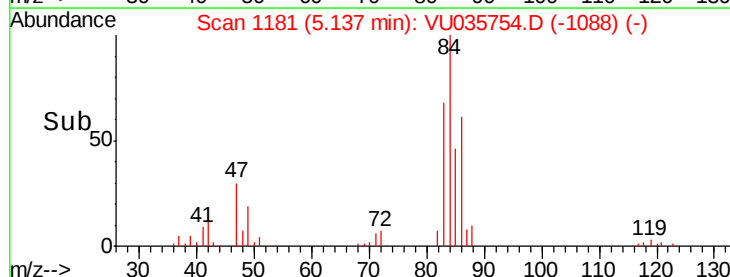
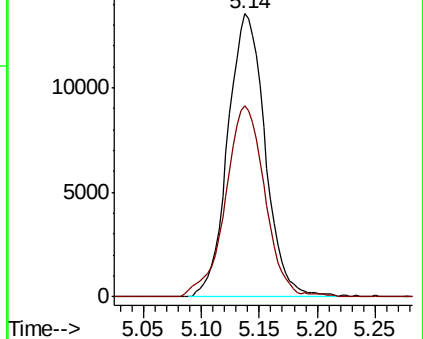
83 100

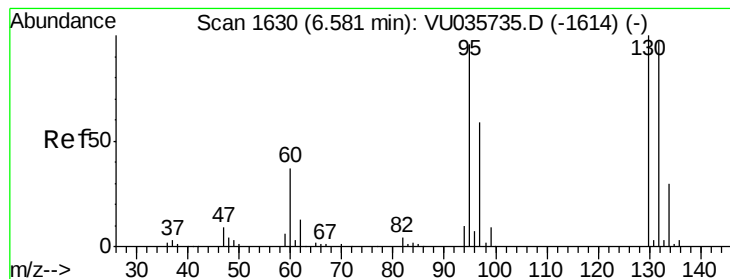
85 67.6 45.4 84.2



Abundance Ion 83.05 (82.75 to 83.75): VU035735.D (-1161) (-)

Ion 85.00 (84.70 to 85.70): VU035735.D (-1161) (-)





#34

Trichloroethene

Concen: 0.207 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035754.D

Acq: 18 Nov 2019 19:38

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 3993

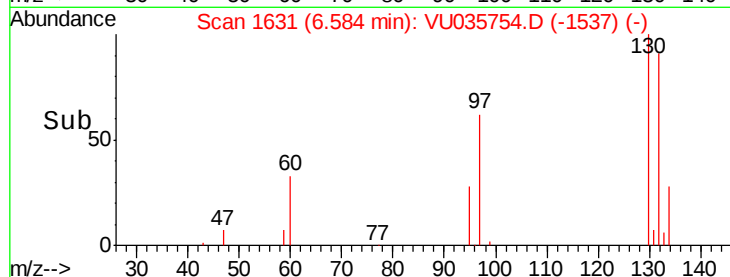
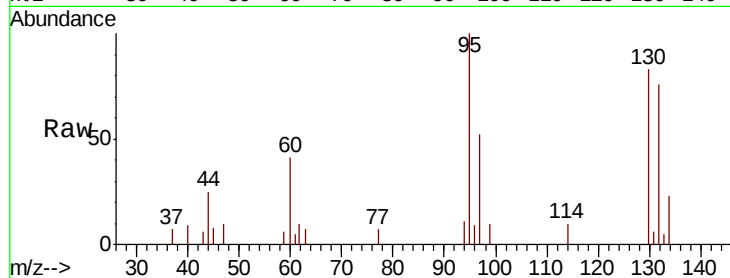
Ion Ratio Lower Upper

95 100

97 51.8 44.5 82.7

132 75.8 69.9 129.7

130 83.3 74.1 137.7

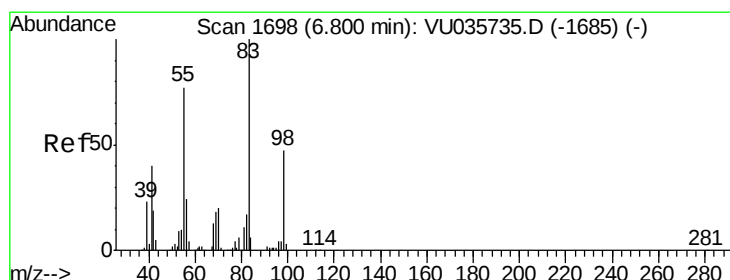
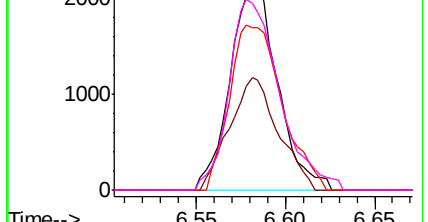


Abundance Ion 95.00 (94.70 to 95.70): VU035754.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU035754.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035754.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035754.D (-1537) (-)



#35

Methylcyclohexane

Concen: 0.820 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035754.D

Acq: 18 Nov 2019 19:38

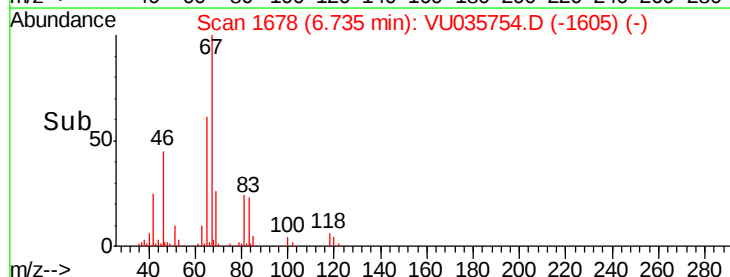
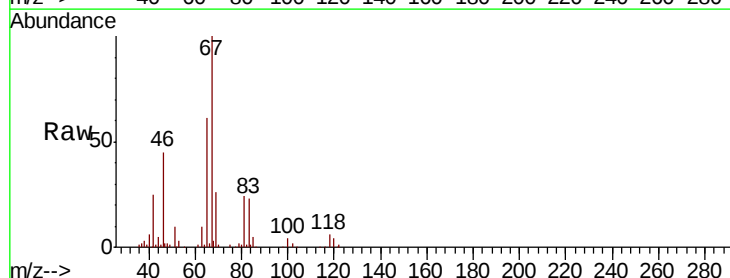
Tgt Ion: 83 Resp: 24159

Ion Ratio Lower Upper

83 100

55 0.4 62.6 93.8#

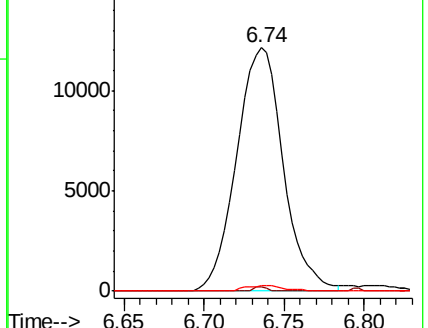
98 1.9 37.2 55.8#

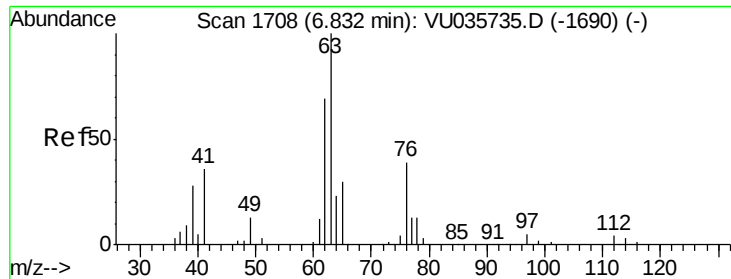


Abundance Ion 83.15 (82.85 to 83.85): VU035754.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU035754.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU035754.D (-1605) (-)

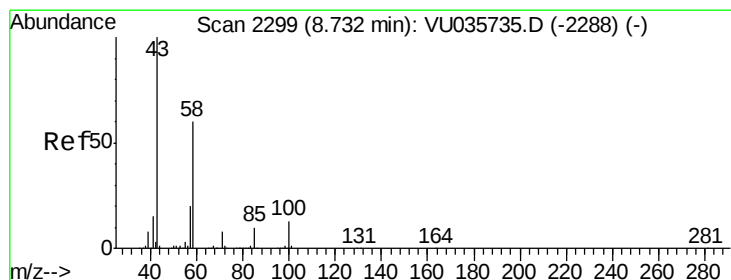
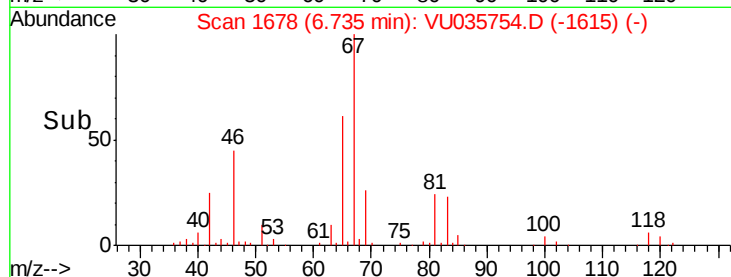
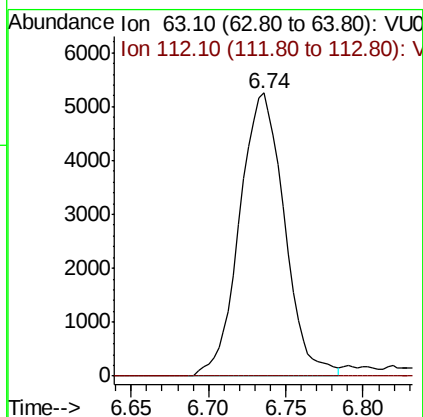
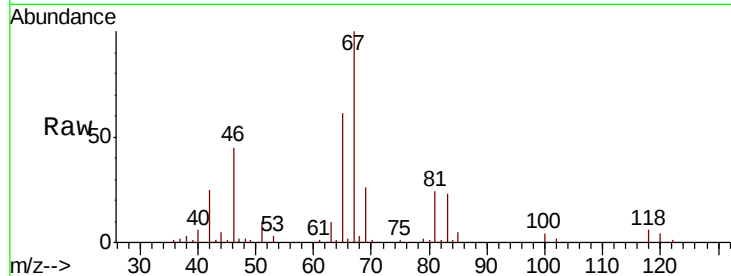




#37
 1,2-Dichloropropane
 Concen: 0.533 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.10 min
 Lab File: VU035754.D
 Acq: 18 Nov 2019 19:38

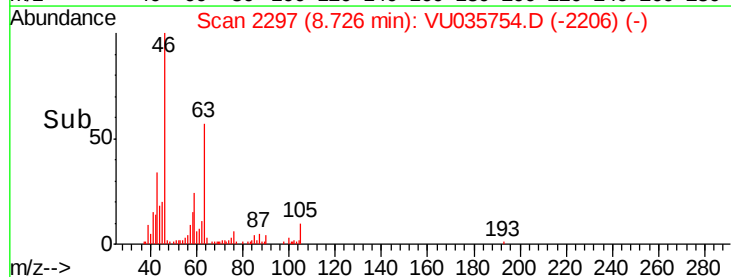
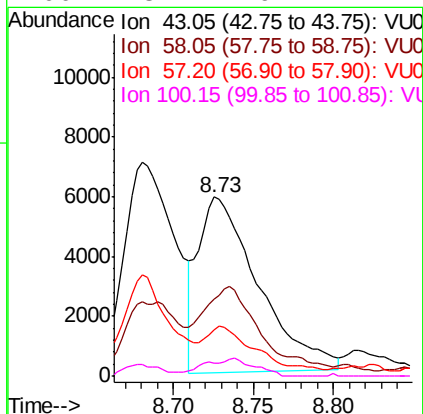
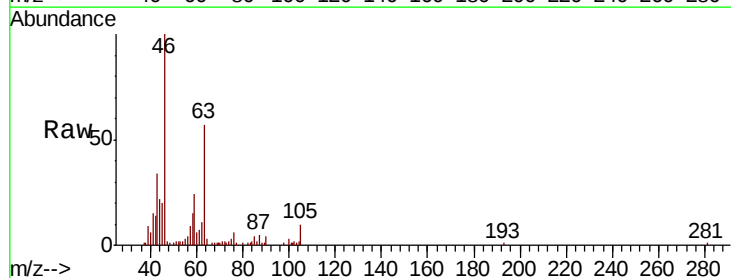
Instrument :
 MSVOA_U
 ClientSampleId :

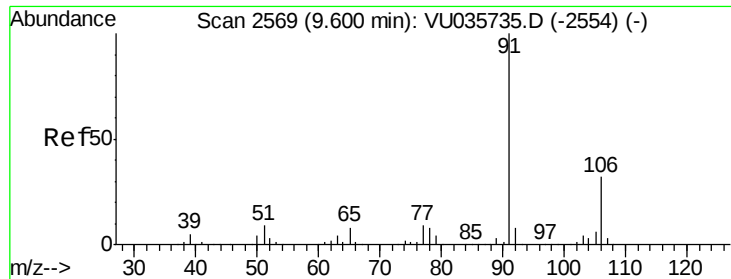
Tot Ion: 63 Resp: 10603
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#48
 2-Hexanone
 Concen: 1.892 ug/L
 RT: 8.73 min Scan# 2297
 Delta R.T. -0.01 min
 Lab File: VU035754.D
 Acq: 18 Nov 2019 19:38

Tgt Ion: 43 Resp: 15387
 Ion Ratio Lower Upper
 43 100
 58 0.0 44.1 66.1#
 57 25.0 15.1 22.7#
 100 3.1 9.4 14.2#





#52

Ethylbenzene

Concen: 0.196 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035754.D

Acq: 18 Nov 2019 19:38

Instrument :

MSVOA_U

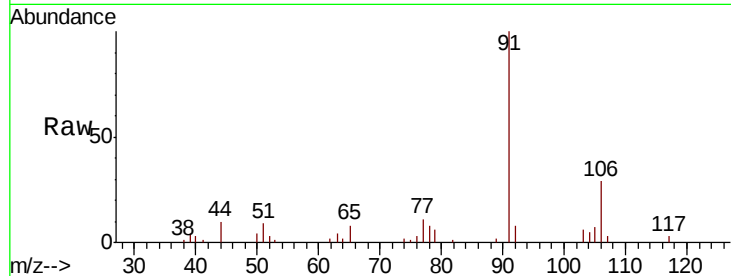
ClientSampled :

Tot Ion: 91 Resp: 16388

Ion Ratio Lower Upper

91 100

106 29.4 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VU035735.D (-2554) (-)

Ion 106.15 (105.85 to 106.85): VU035735.D (-2554) (-)

9.60

10000

8000

6000

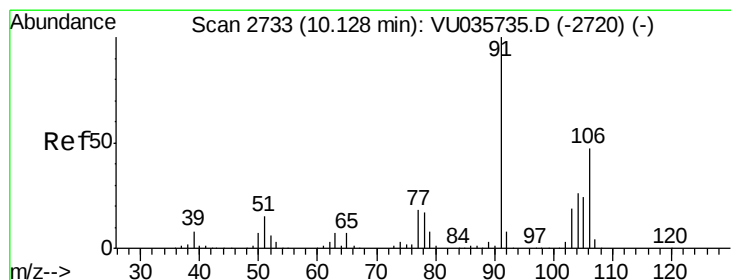
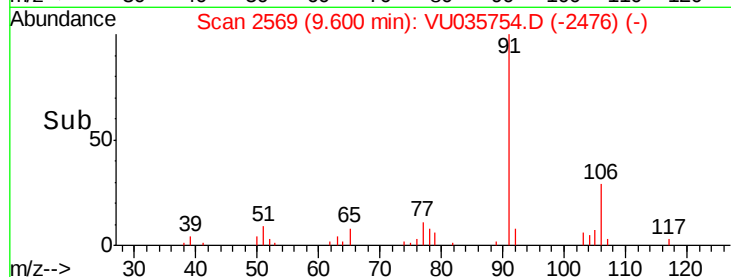
4000

2000

0

Time-->

9.55 9.60 9.65 9.70



#54

o-Xylene

Concen: 0.085 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.01 min

Lab File: VU035754.D

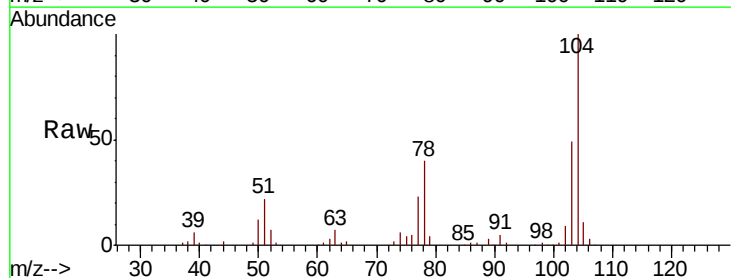
Acq: 18 Nov 2019 19:38

Tgt Ion: 106 Resp: 2603

Ion Ratio Lower Upper

106 100

91 203.5 147.7 274.3



Abundance Ion 106.15 (105.85 to 106.85): VU035735.D (-2720) (-)

Ion 91.15 (90.85 to 91.85): VU035735.D (-2720) (-)

10.13

3000

2500

2000

1500

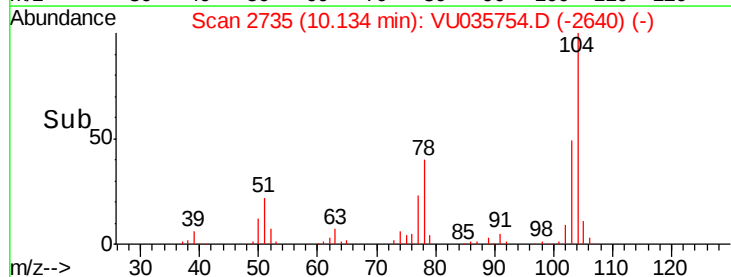
1000

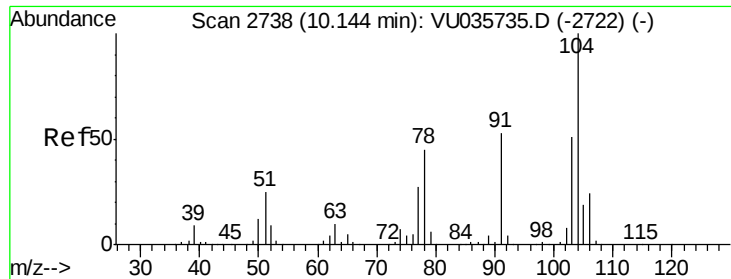
500

0

Time-->

10.10 10.15

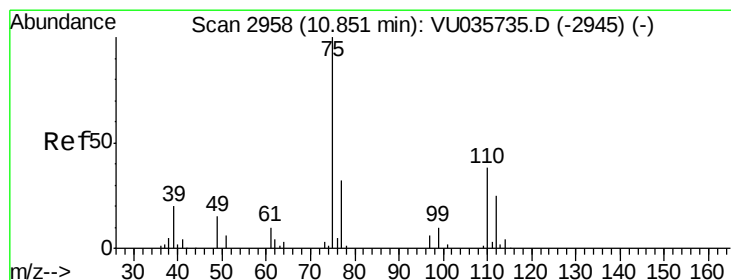
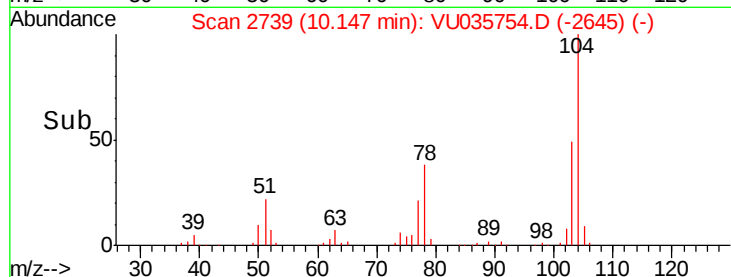
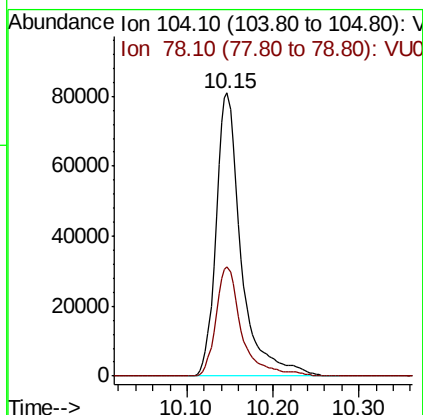
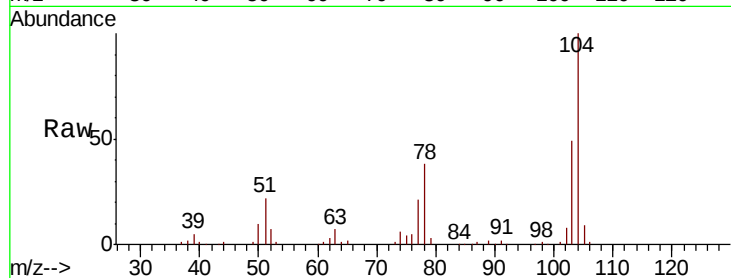




#55
Stvrene
Concen: 3.254 ug/L
RT: 10.15 min Scan# 2739
Delta R.T. 0.00 min
Lab File: VU035754.D
Acq: 18 Nov 2019 19:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:104 Resp: 164675
Ion Ratio Lower Upper
104 100
78 38.4 30.8 57.2



#59
1,2,3-Trichloropropane
Concen: 0.730 ug/L
RT: 11.84 min Scan# 3266
Delta R.T. 0.99 min
Lab File: VU035754.D
Acq: 18 Nov 2019 19:38

Tgt Ion: 75 Resp: 9615
Ion Ratio Lower Upper
75 100
77 36.4 26.8 40.2

