

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
 Data File : VU035762.D
 Acq On : 19 Nov 2019 11:36
 Operator : JC/SP
 Sample : K5910-20DL 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 20 00:40:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 20 00:37:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	225733	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	237386	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	131714	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	85167	3.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.20%
7) Chloroethane-d5	1.93	69	82177	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.40%
11) 1,1-Dichloroethene-d2	2.59	63	115247	2.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.00%#
20) 2-Butanone-d5	4.70	46	258358	50.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.72%
24) Chloroform-d	5.11	84	172607	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.75	65	90456	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.77	84	341907	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.73	67	113954	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.93	98	300395	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	8.21	79	39830	4.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.60%
46) 2-Hexanone-d5	8.68	63	189873	50.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.42%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	102079	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	132340	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	2.59	96	1322	0.067 ug/L #	1
13) Acetone	2.62	43	260791	70.510 ug/L	50
15) Methyl Acetate	3.07	43	616080	71.704 ug/L #	49
16) Methylene chloride	3.07	84	17661	0.750 ug/L #	1
25) Chloroform	5.14	83	26308	0.637 ug/L	97
30) Cyclohexane	5.43	56	231584	7.412 ug/L	96
33) Benzene	5.82	78	31072	0.372 ug/L	100
34) Trichloroethene	6.61	95	3101	0.145 ug/L #	13
35) Methylcyclohexane	6.80	83	95326	2.927 ug/L #	77
38) Bromodichloromethane	7.15	83	1980	0.074 ug/L #	64
39) cis-1,3-Dichloropropene	7.60	75	2967	0.094 ug/L #	22
42) Toluene	8.00	91	7388	0.084 ug/L	92
45) 1,1,2-Trichloroethane	8.40	97	14500	0.920 ug/L #	19
48) 2-Hexanone	8.68	43	18932	2.105 ug/L #	38
52) Ethylbenzene	9.60	91	226342	2.447 ug/L	97
53) m,p-Xylene	9.72	106	227065	6.483 ug/L	97
54) o-Xylene	10.13	106	21003	0.620 ug/L	94

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QLast Update : Wed Nov 20 00:37:27 2019
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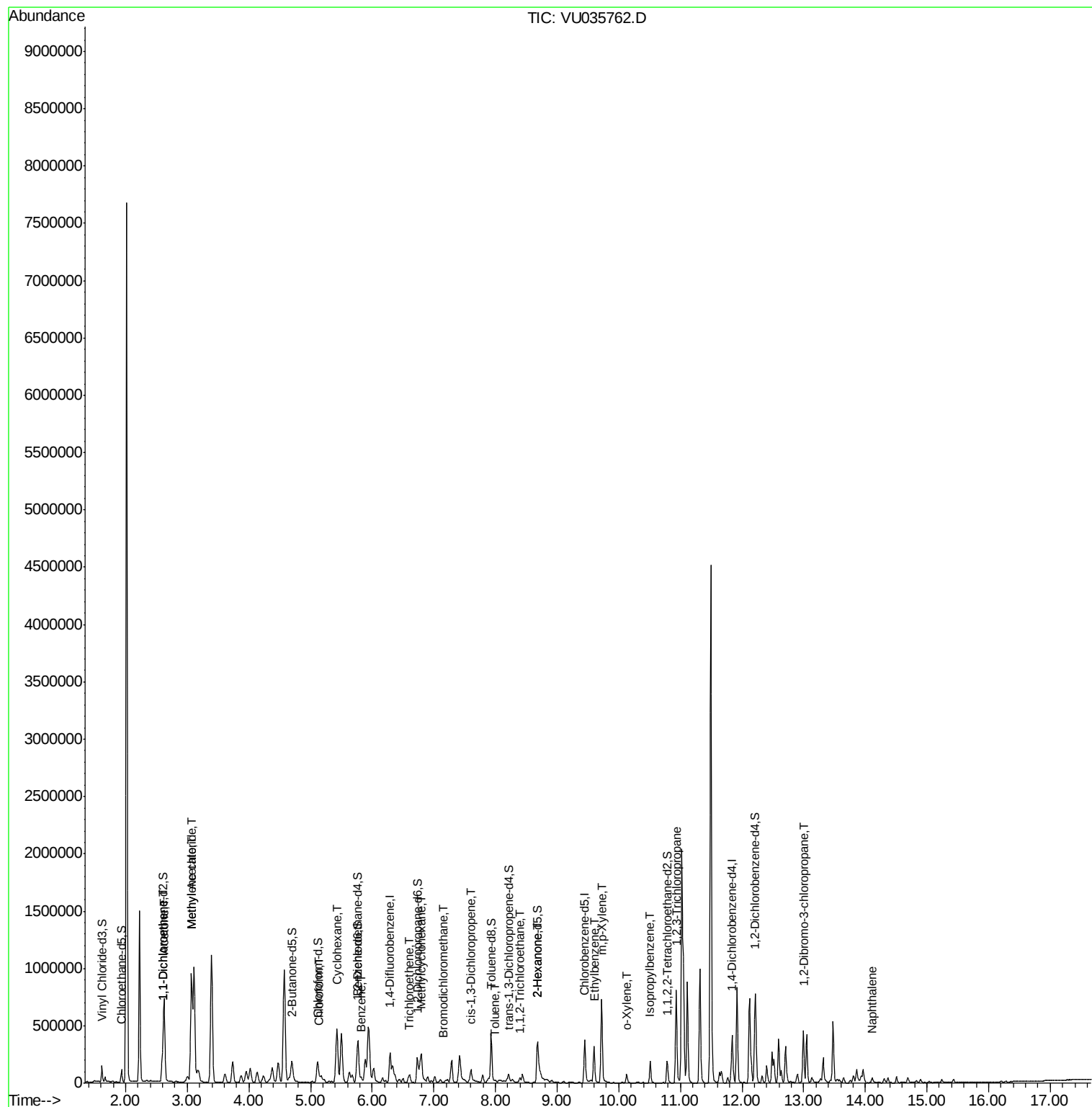
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) Isopropylbenzene	10.51	105	119929	1.343	ug/L	99
59) 1,2,3-Trichloropropane	10.93	75	3838	0.264	ug/L #	1
66) 1,2-Dibromo-3-chloropropan	13.00	75	2052	0.776	ug/L #	1
69) Naphthalene	14.11	128	39229	1.852	ug/L #	96

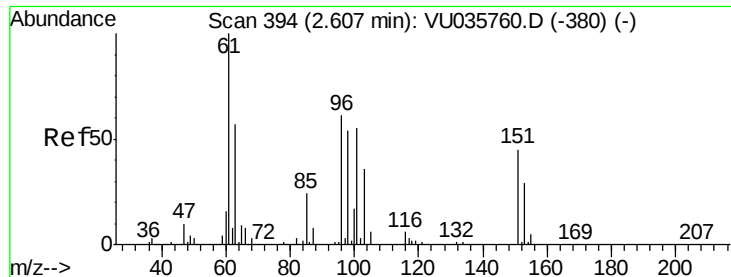
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.067 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU035762.D

Acq: 19 Nov 2019 11:36

Instrument :

MSVOA_U

ClientSampled :

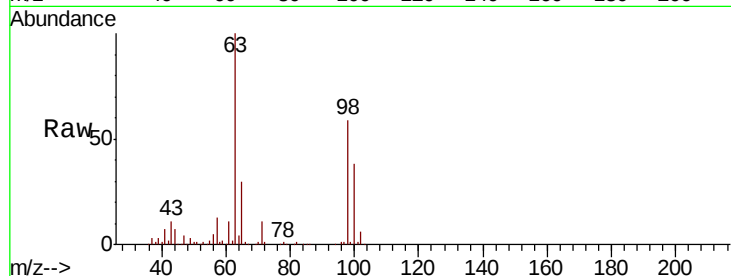
Tot Ion: 96 Resp: 1322

Ion Ratio Lower Upper

96 100

61 1242.0 123.1 228.5#

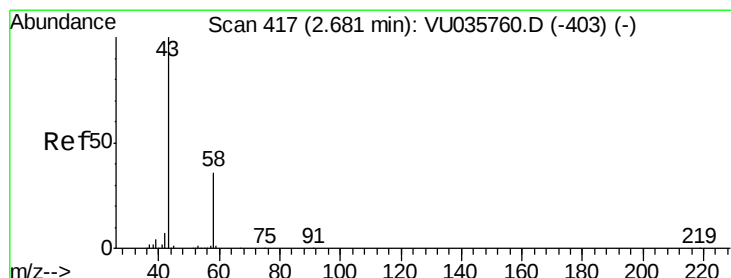
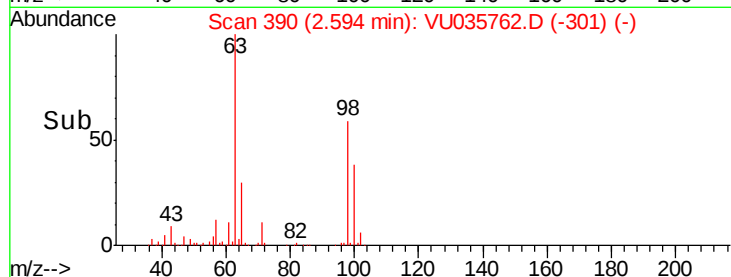
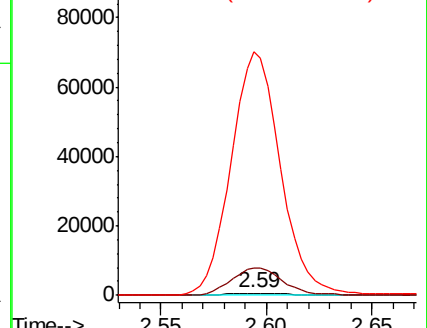
63 10941.7 87.8 163.0#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 70.510 ug/L

RT: 2.62 min Scan# 399

Delta R.T. -0.06 min

Lab File: VU035762.D

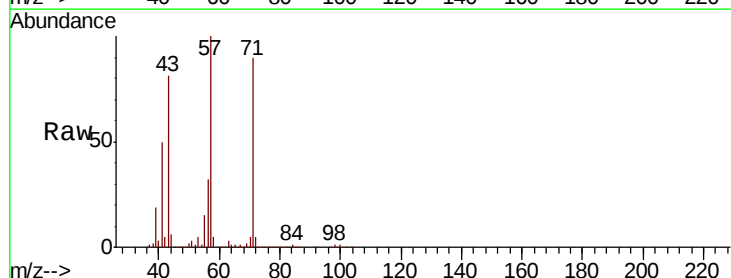
Acq: 19 Nov 2019 11:36

Tgt Ion: 43 Resp: 260791

Ion Ratio Lower Upper

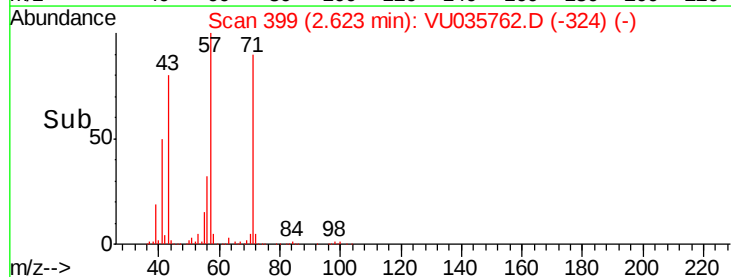
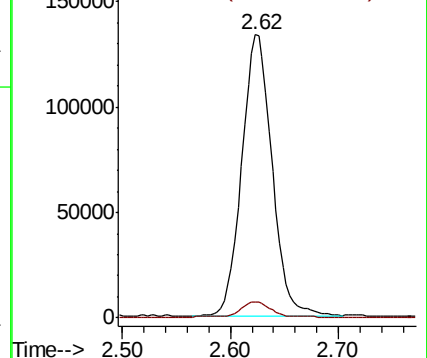
43 100

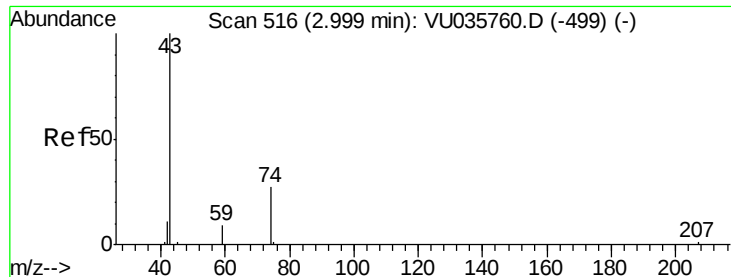
58 5.7 0.0 69.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

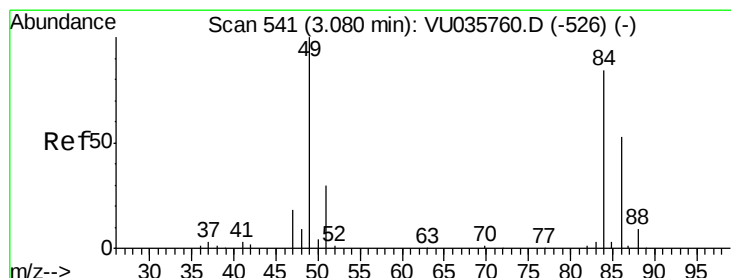
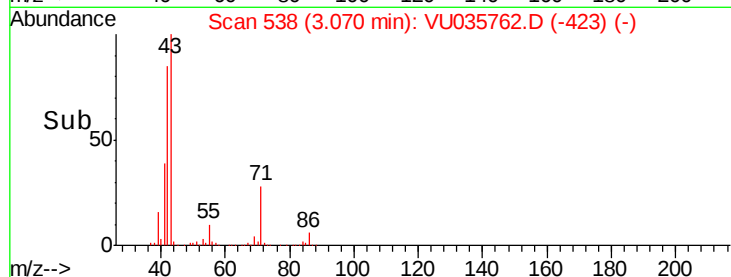
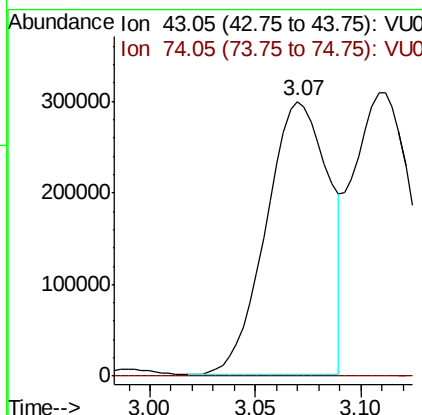
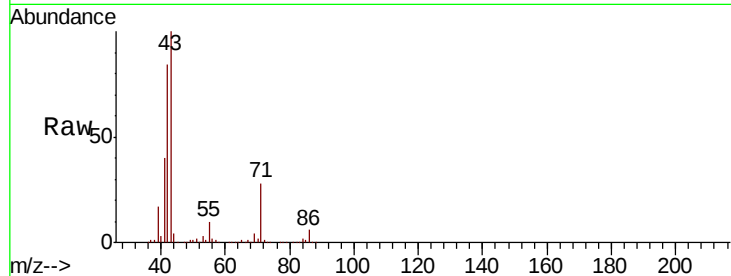




#15
Methvl Acetate
Concen: 71.704 ug/L
RT: 3.07 min Scan# 538
Delta R.T. 0.07 min
Lab File: VU035762.D
Acq: 19 Nov 2019 11:36

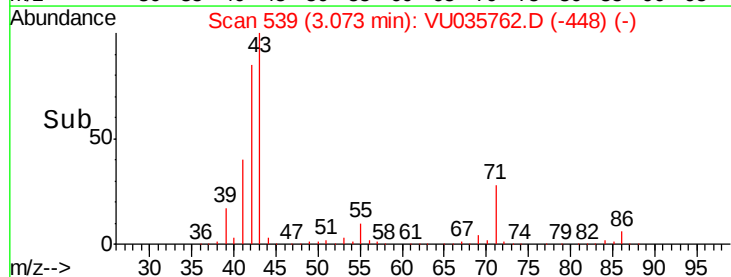
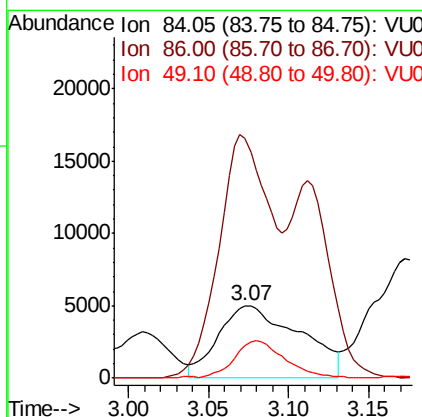
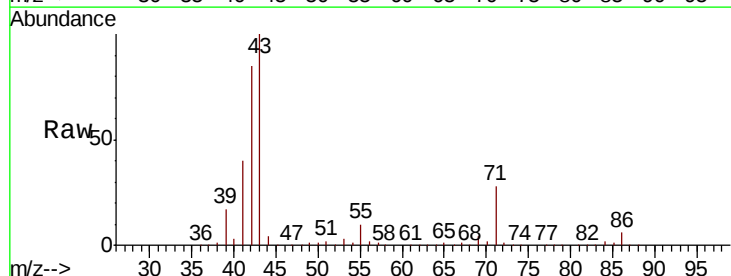
Instrument :
MSVOA_U
ClientSampleId :

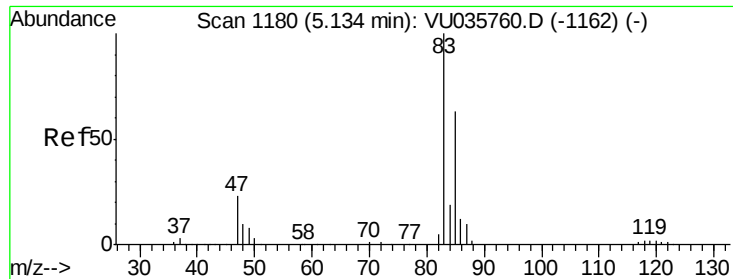
Tot Ion: 43 Resp: 616080
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.6#



#16
Methylene chloride
Concen: 0.750 ug/L
RT: 3.07 min Scan# 539
Delta R.T. -0.01 min
Lab File: VU035762.D
Acq: 19 Nov 2019 11:36

Tgt Ion: 84 Resp: 17661
Ion Ratio Lower Upper
84 100
86 329.9 45.8 85.2#
49 45.3 81.9 152.1#

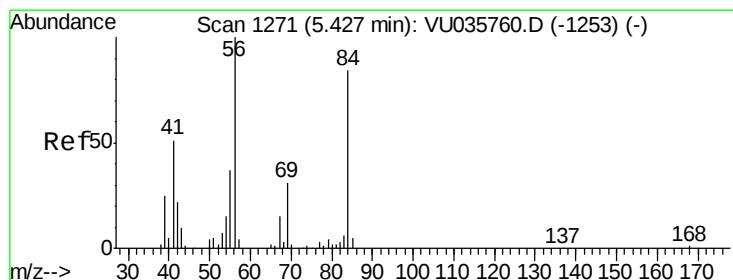
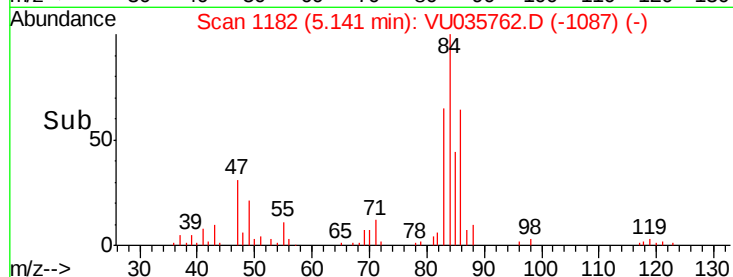
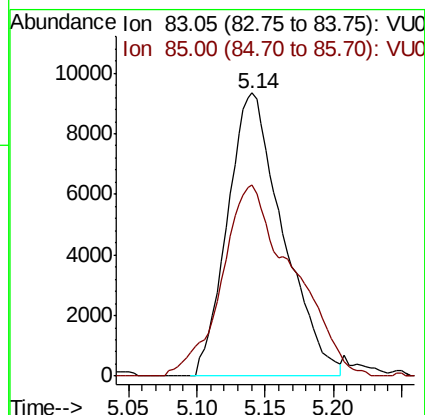
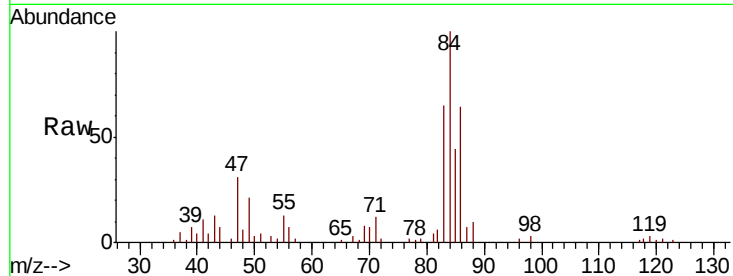




#25
Chloroform
Concen: 0.637 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VU035762.D
Acq: 19 Nov 2019 11:36

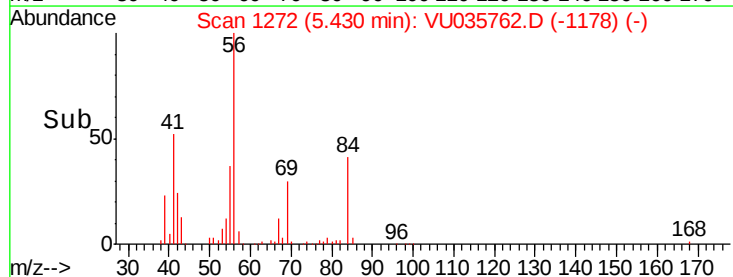
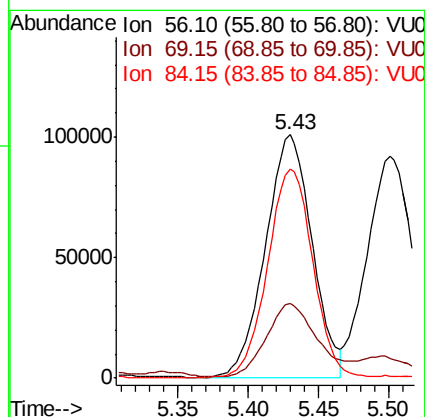
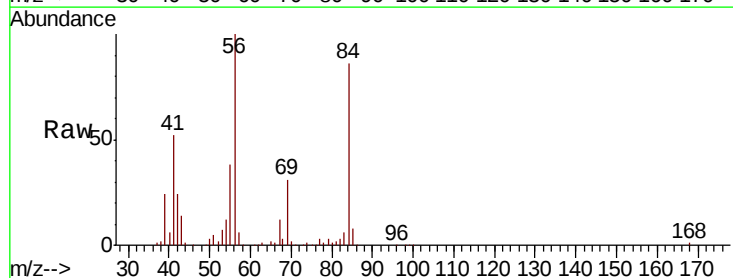
Instrument :
MSVOA_U
ClientSampleId :

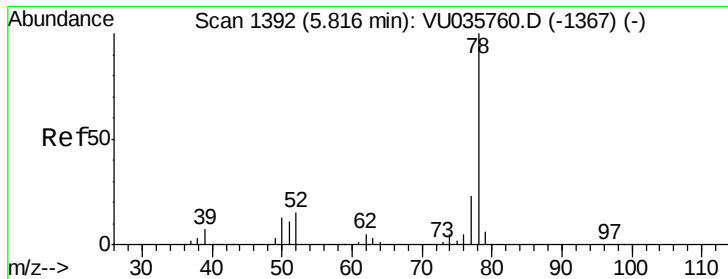
Tot Ion: 83 Resp: 26308
Ion Ratio Lower Upper
83 100
85 67.4 45.4 84.2



#30
Cyclohexane
Concen: 7.412 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU035762.D
Acq: 19 Nov 2019 11:36

Tgt Ion: 56 Resp: 231584
Ion Ratio Lower Upper
56 100
69 34.1 24.6 37.0
84 83.7 69.7 104.5

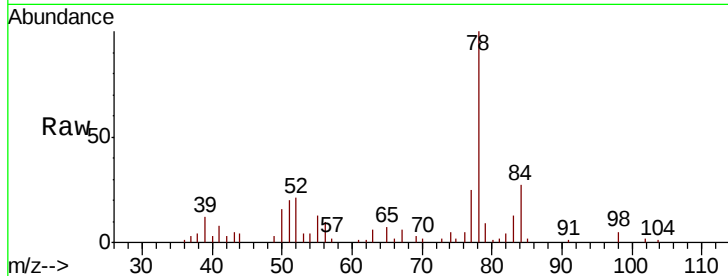




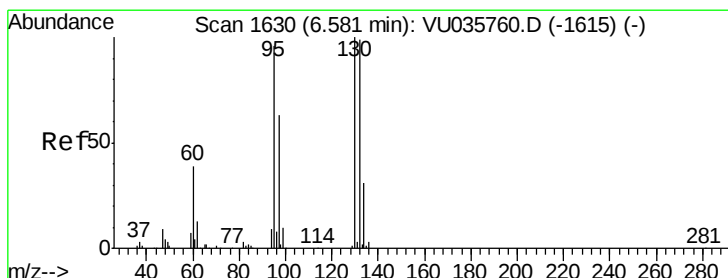
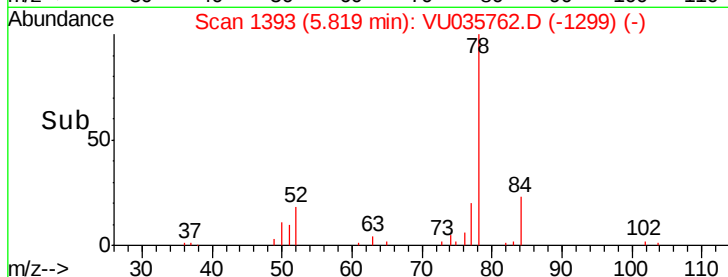
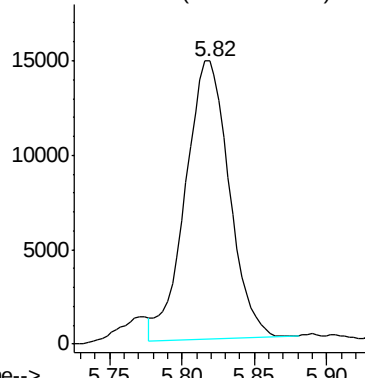
#33
Benzene
Concen: 0.372 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU035762.D
Acq: 19 Nov 2019 11:36

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 31072

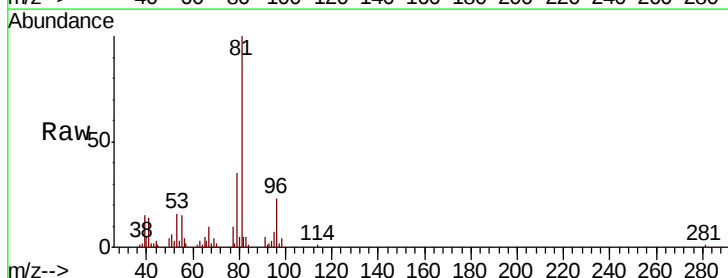


Abundance Ion 78.10 (77.80 to 78.80): VU0



#34
Trichloroethene
Concen: 0.145 ug/L
RT: 6.61 min Scan# 1640
Delta R.T. 0.03 min
Lab File: VU035762.D
Acq: 19 Nov 2019 11:36

Tgt Ion: 95 Resp: 3101
Ion Ratio Lower Upper
95 100
97 32.1 44.5 82.7#
132 0.0 69.9 129.7#
130 0.0 74.1 137.7#

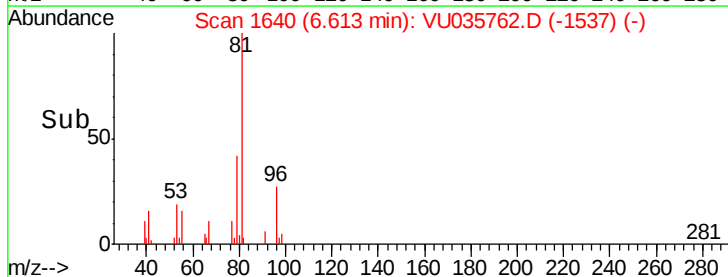
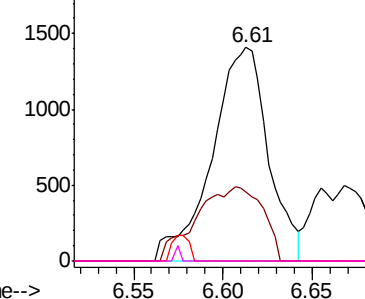


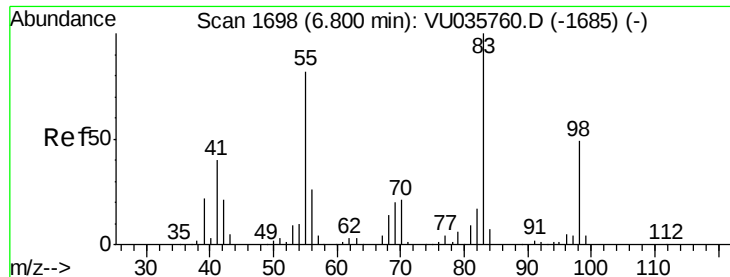
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

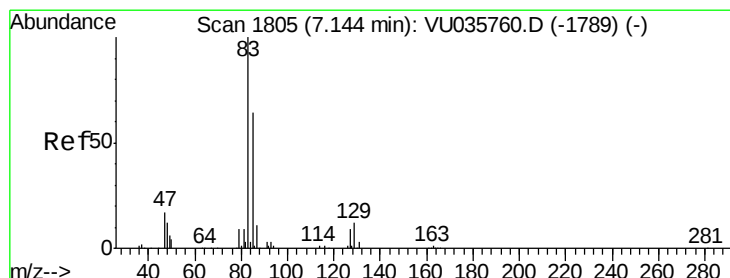
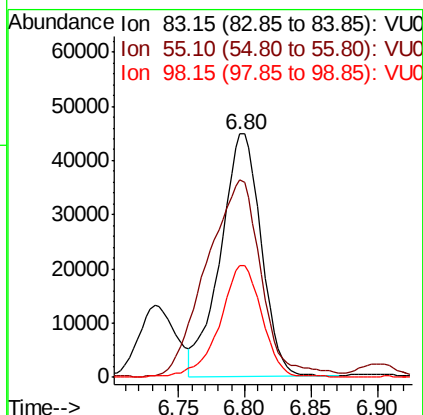
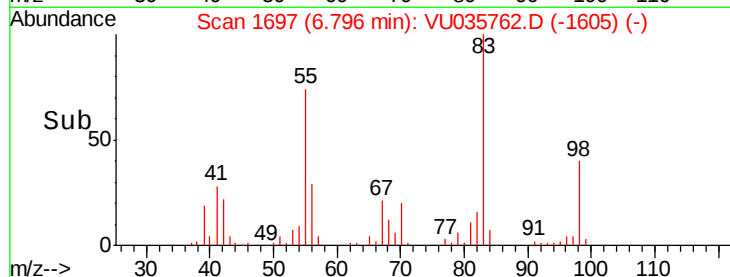
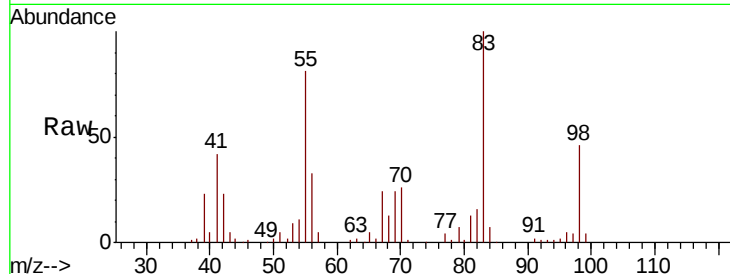




#35
Methylcyclohexane
Concen: 2.927 ug/L
RT: 6.80 min Scan# 1697
Delta R.T. -0.00 min
Lab File: VU035762.D
Acq: 19 Nov 2019 11:36

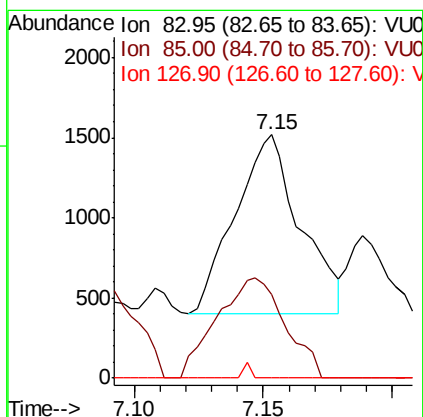
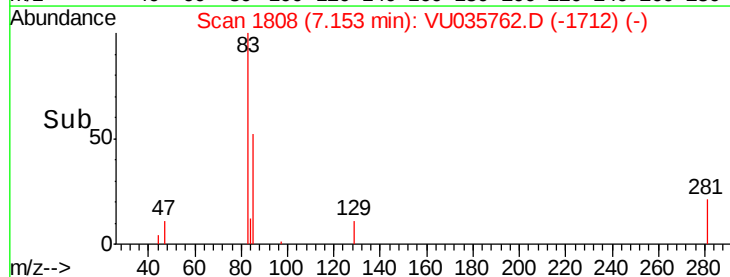
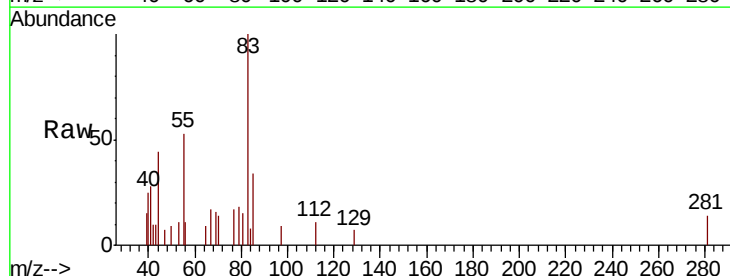
Instrument :
MSVOA_U
ClientSampled :

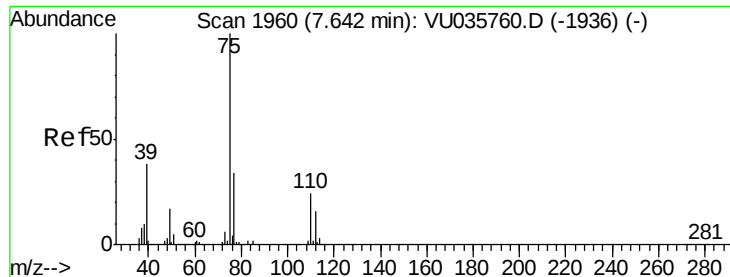
Tot Ion: 83 Resp: 95326
Ion Ratio Lower Upper
83 100
55 108.5 62.6 93.8#
98 48.4 37.2 55.8



#38
Bromodichloromethane
Concen: 0.074 ug/L
RT: 7.15 min Scan# 1808
Delta R.T. 0.01 min
Lab File: VU035762.D
Acq: 19 Nov 2019 11:36

Tgt Ion: 83 Resp: 1980
Ion Ratio Lower Upper
83 100
85 34.1 44.7 82.9#
127 0.0 7.1 10.7#

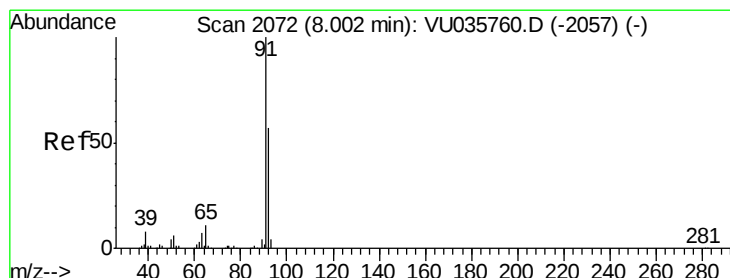
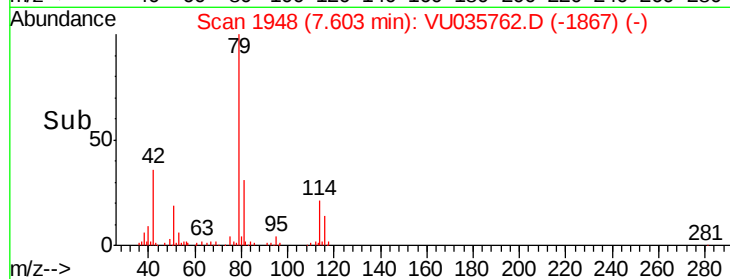
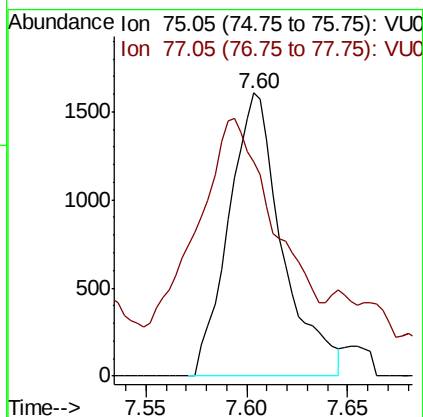
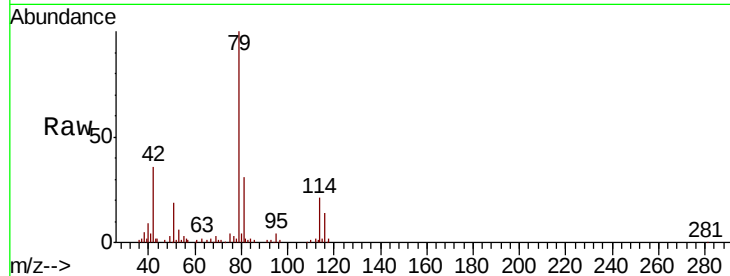




#39
 cis-1,3-Dichloropropene
 Concen: 0.094 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU035762.D
 Acq: 19 Nov 2019 11:36

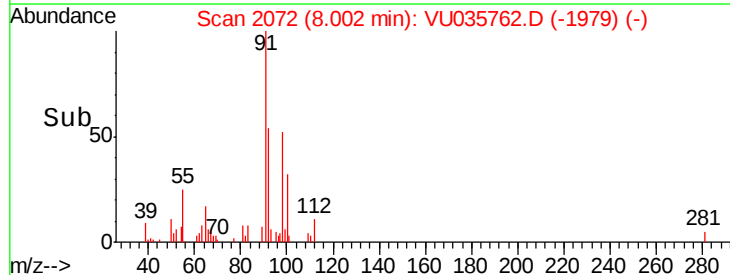
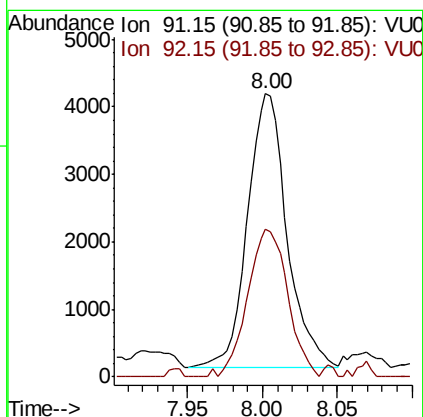
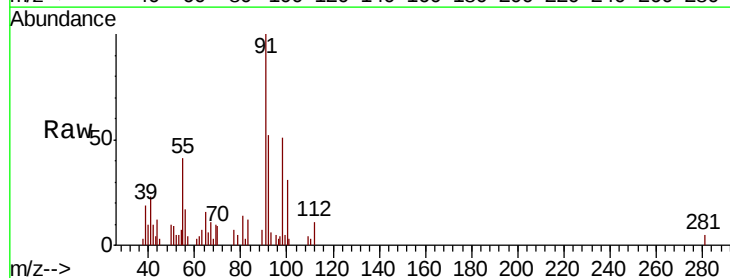
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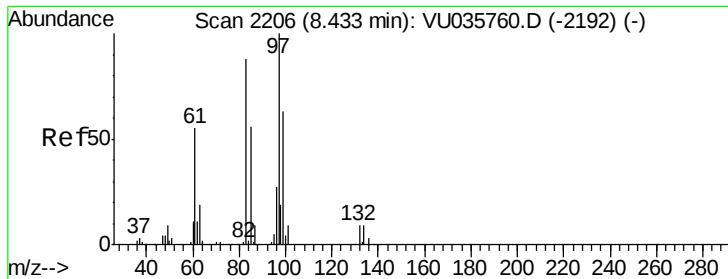
Tot Ion: 75 Resp: 2967
 Ion Ratio Lower Upper
 75 100
 77 75.9 22.5 41.7#



#42
 Toluene
 Concen: 0.084 ug/L
 RT: 8.00 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VU035762.D
 Acq: 19 Nov 2019 11:36

Tgt Ion: 91 Resp: 7388
 Ion Ratio Lower Upper
 91 100
 92 52.3 40.5 75.3





#45

1,1,2-Trichloroethane

Concen: 0.920 ug/L

RT: 8.40 min Scan# 2195

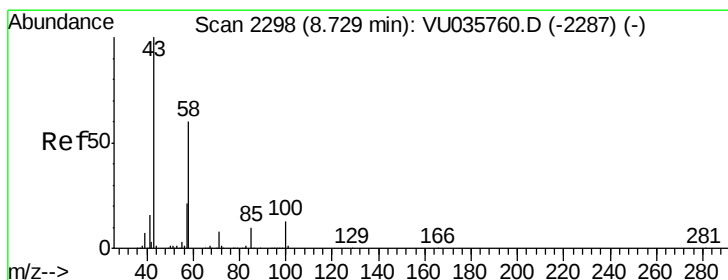
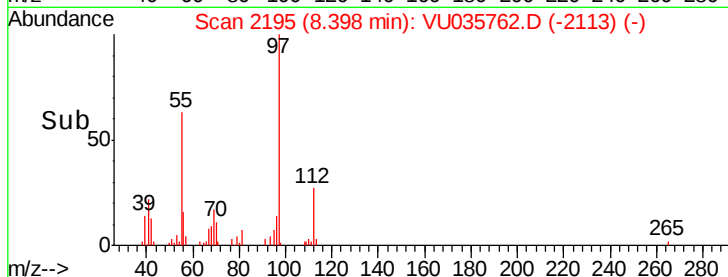
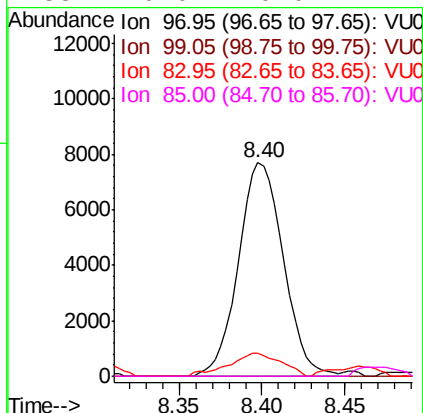
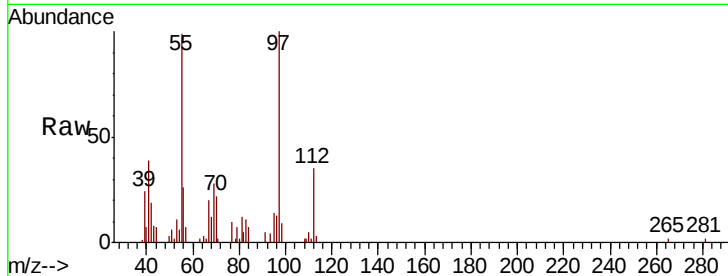
Delta R.T. -0.04 min

Lab File: VU035762.D

Acq: 19 Nov 2019 11:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	14500
Ion	Ratio	Lower	Upper
97	100		
99	0.0	43.8	81.4#
83	11.1	61.6	114.4#
85	0.0	40.0	74.4#



#48

2-Hexanone

Concen: 2.105 ug/L

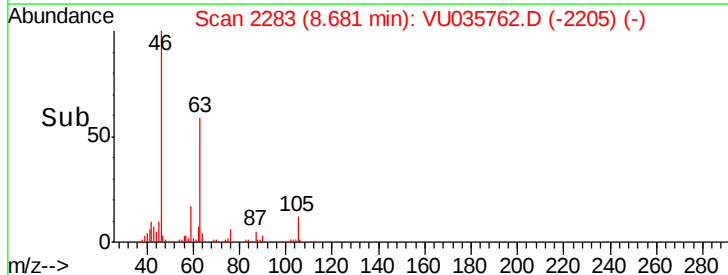
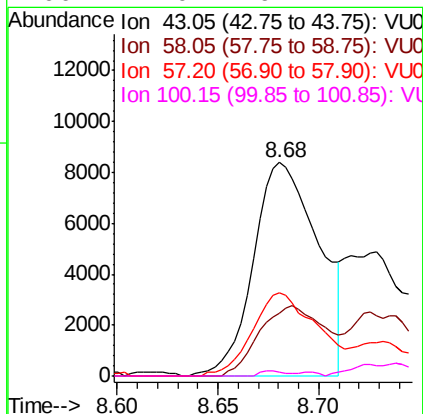
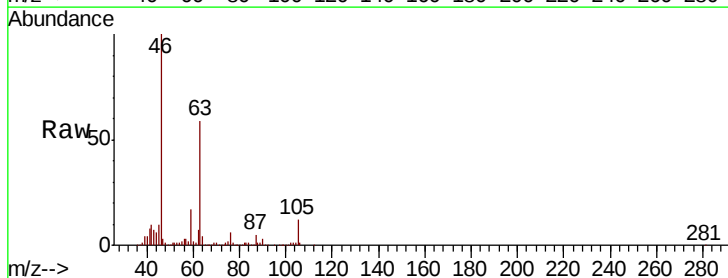
RT: 8.68 min Scan# 2283

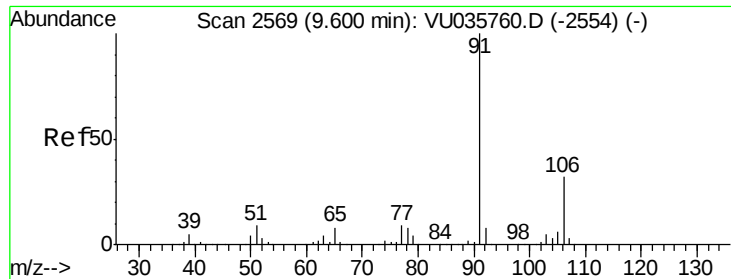
Delta R.T. -0.05 min

Lab File: VU035762.D

Acq: 19 Nov 2019 11:36

Tgt Ion:	43	Resp:	18932
Ion	Ratio	Lower	Upper
43	100		
58	0.0	44.1	66.1#
57	38.6	15.1	22.7#
100	1.0	9.4	14.2#





#52

Ethylbenzene

Concen: 2.447 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035762.D

Acq: 19 Nov 2019 11:36

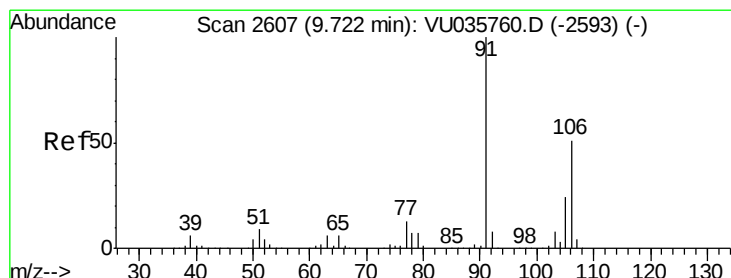
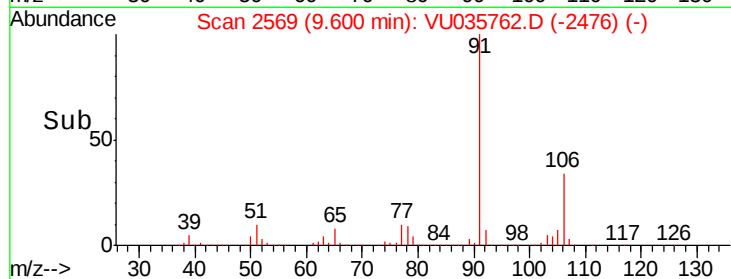
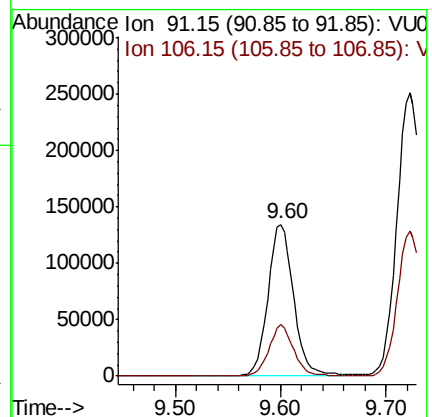
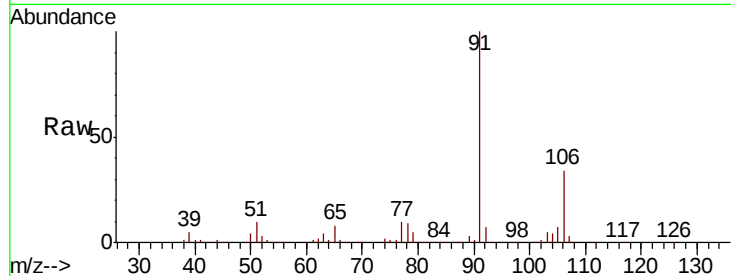
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 226342

Ion Ratio Lower Upper

91 100

106 33.7 22.4 41.6



#53

m,p-Xylene

Concen: 6.483 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035762.D

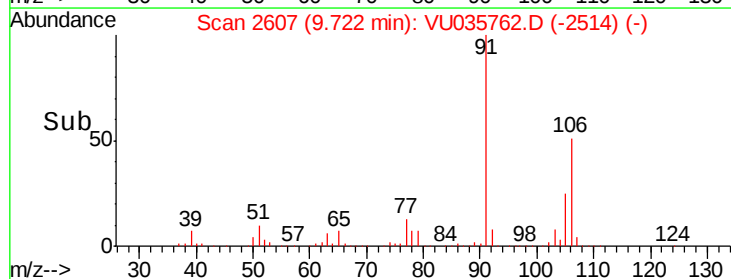
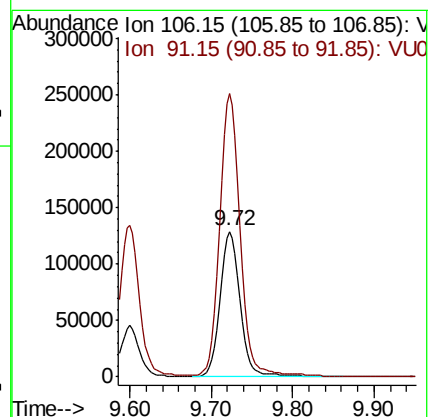
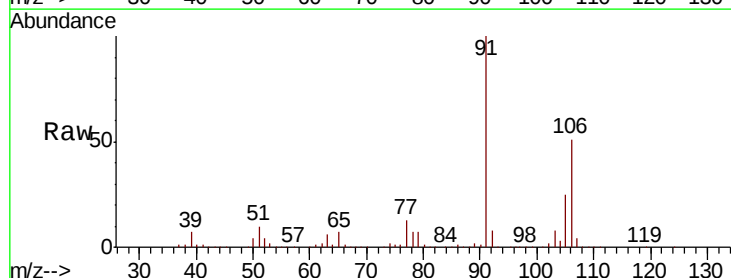
Acq: 19 Nov 2019 11:36

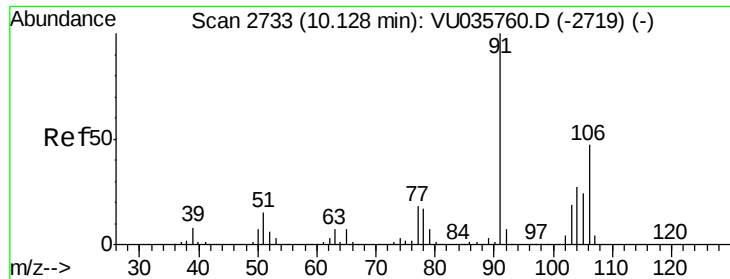
Tgt Ion: 106 Resp: 227065

Ion Ratio Lower Upper

106 100

91 195.0 139.4 259.0

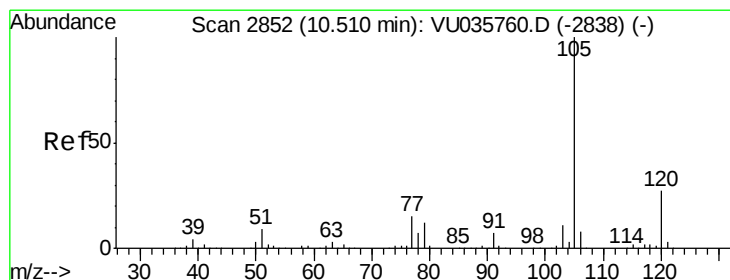
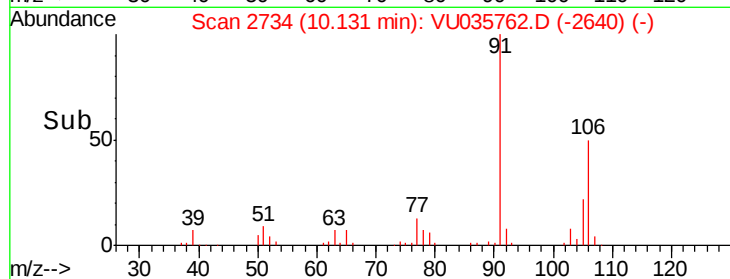
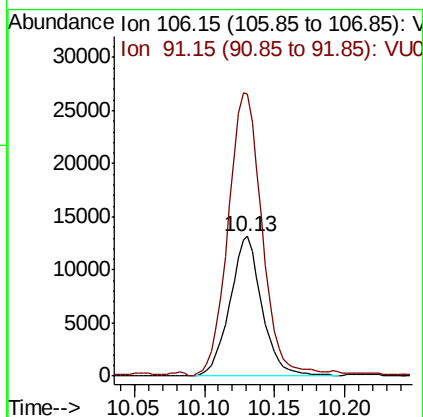
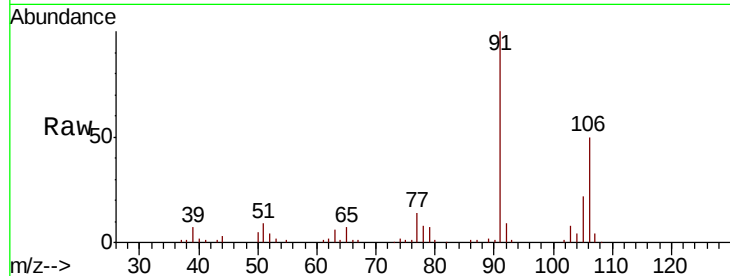




#54
o-Xylene
Concen: 0.620 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035762.D
Acq: 19 Nov 2019 11:36

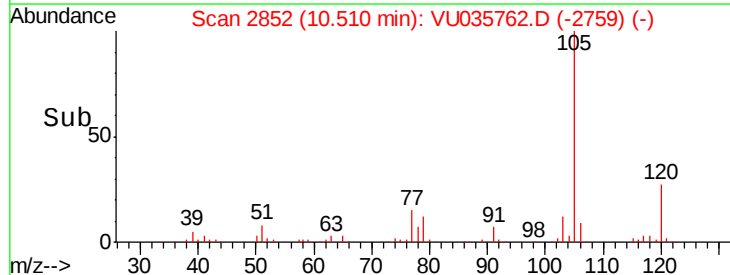
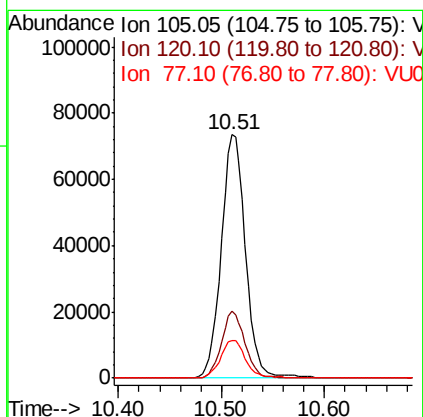
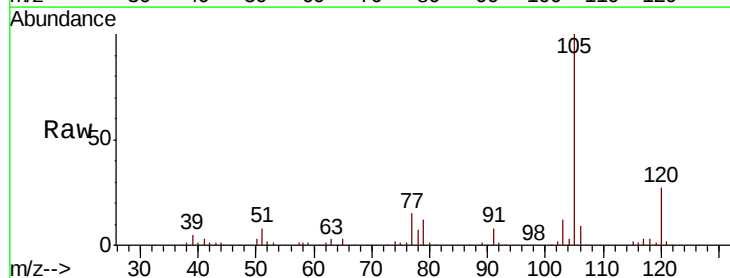
Instrument :
MSVOA_U
ClientSampled :

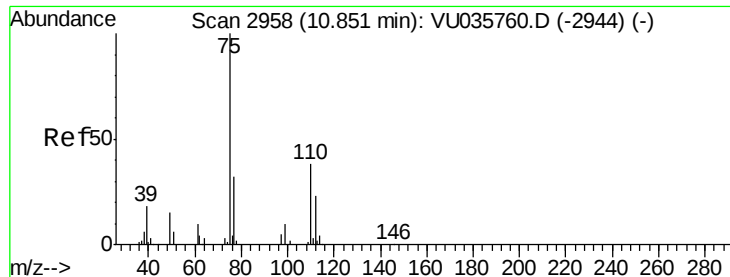
Tot Ion:106 Resp: 21003
Ion Ratio Lower Upper
106 100
91 201.7 147.7 274.3



#56
Isopropylbenzene
Concen: 1.343 ug/L
RT: 10.51 min Scan# 2852
Delta R.T. -0.00 min
Lab File: VU035762.D
Acq: 19 Nov 2019 11:36

Tgt Ion:105 Resp: 119929
Ion Ratio Lower Upper
105 100
120 26.5 21.4 32.2
77 15.9 11.8 17.8





#59

1,2,3-Trichloropropane

Concen: 0.264 ug/L

RT: 10.93 min Scan# 2984

Delta R.T. 0.08 min

Lab File: VU035762.D

Acq: 19 Nov 2019 11:36

Instrument :

MSVOA_U

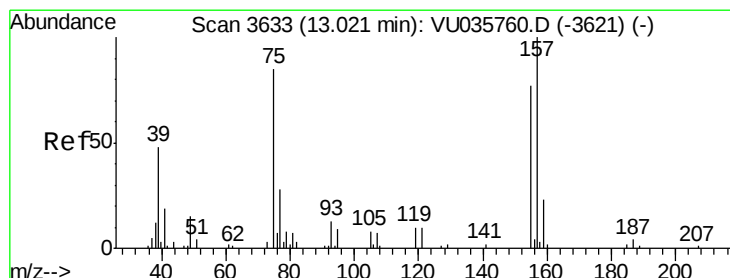
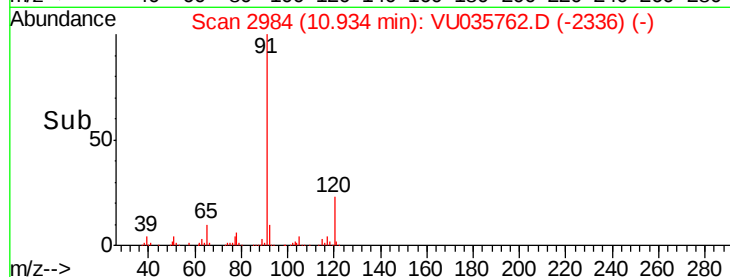
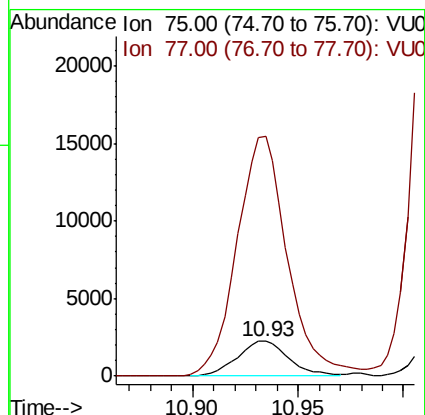
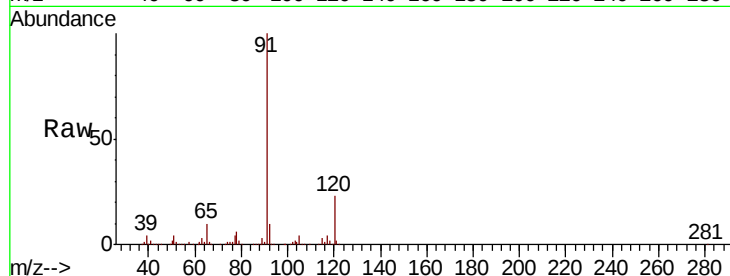
ClientSampled :

Tot Ion: 75 Resp: 3838

Ion Ratio Lower Upper

75 100

77 673.2 26.8 40.2#



#66

1,2-Dibromo-3-chloropropane

Concen: 0.776 ug/L

RT: 13.00 min Scan# 3626

Delta R.T. -0.02 min

Lab File: VU035762.D

Acq: 19 Nov 2019 11:36

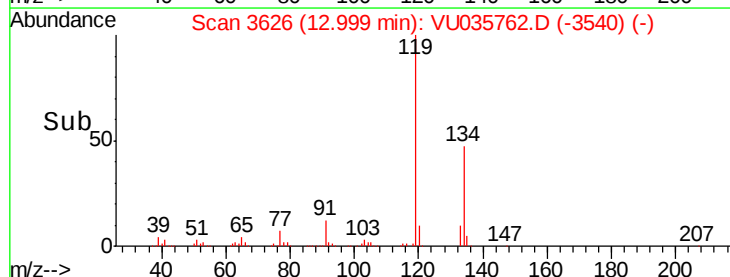
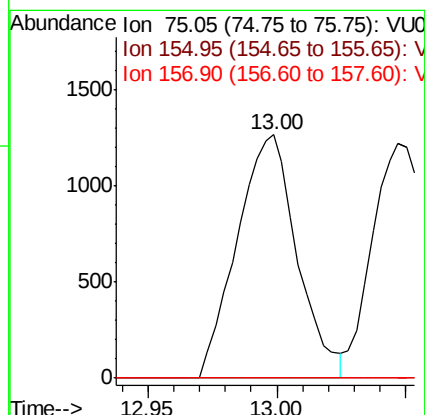
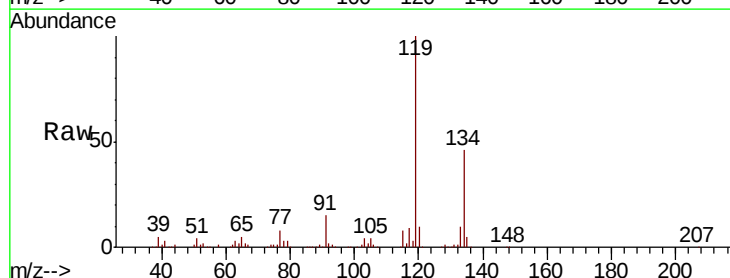
Tgt Ion: 75 Resp: 2052

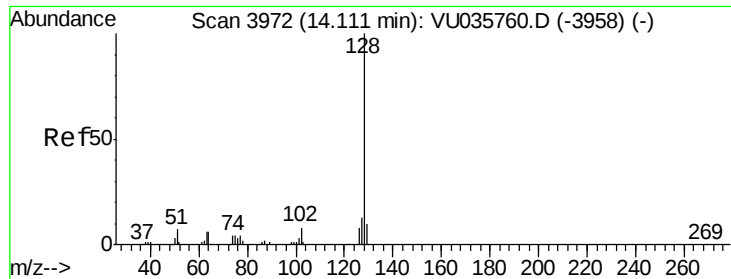
Ion Ratio Lower Upper

75 100

155 0.0 73.3 109.9#

157 0.0 102.2 153.4#





#69

Naphthalene

Concen: 1.852 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

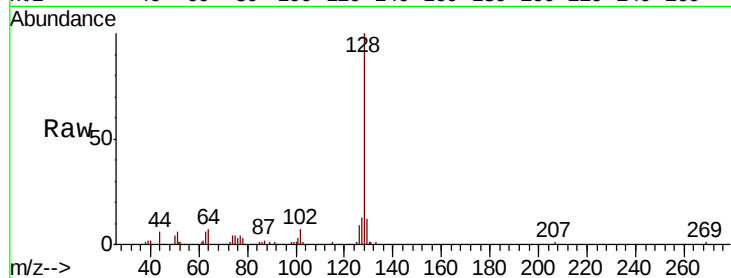
Lab File: VU035762.D

Acq: 19 Nov 2019 11:36

Instrument :

MSVOA_U

ClientSampleId :



Tot Ion:	128	Resp:	39229
Ion	Ratio	Lower	Upper
128	100		
129	12.4	8.1	12.1#
127	12.9	11.0	16.4

