

Data File : VU035153.D
Acq On : 14 Oct 2019 16:32
Operator : JC/SP
Sample : K5311-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TB-3-191007-1

Quant Time: Oct 15 07:56:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 15 07:54:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	164266	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	173406	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	68888	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	46940	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.67	69	45470	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.26	63	69117	3.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.60%
20) 2-Butanone-d5	4.19	46	157866	55.21	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.42%
24) Chloroform-d	4.62	84	95468	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.29	65	54262	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.32	84	180251	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.31	67	64920	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.55	98	151460	3.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.00%
43) trans-1,3-Dichloropropene-	7.84	79	19666	4.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.40%
46) 2-Hexanone-d5	8.30	63	109543	47.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.16%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	56244	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	57496	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

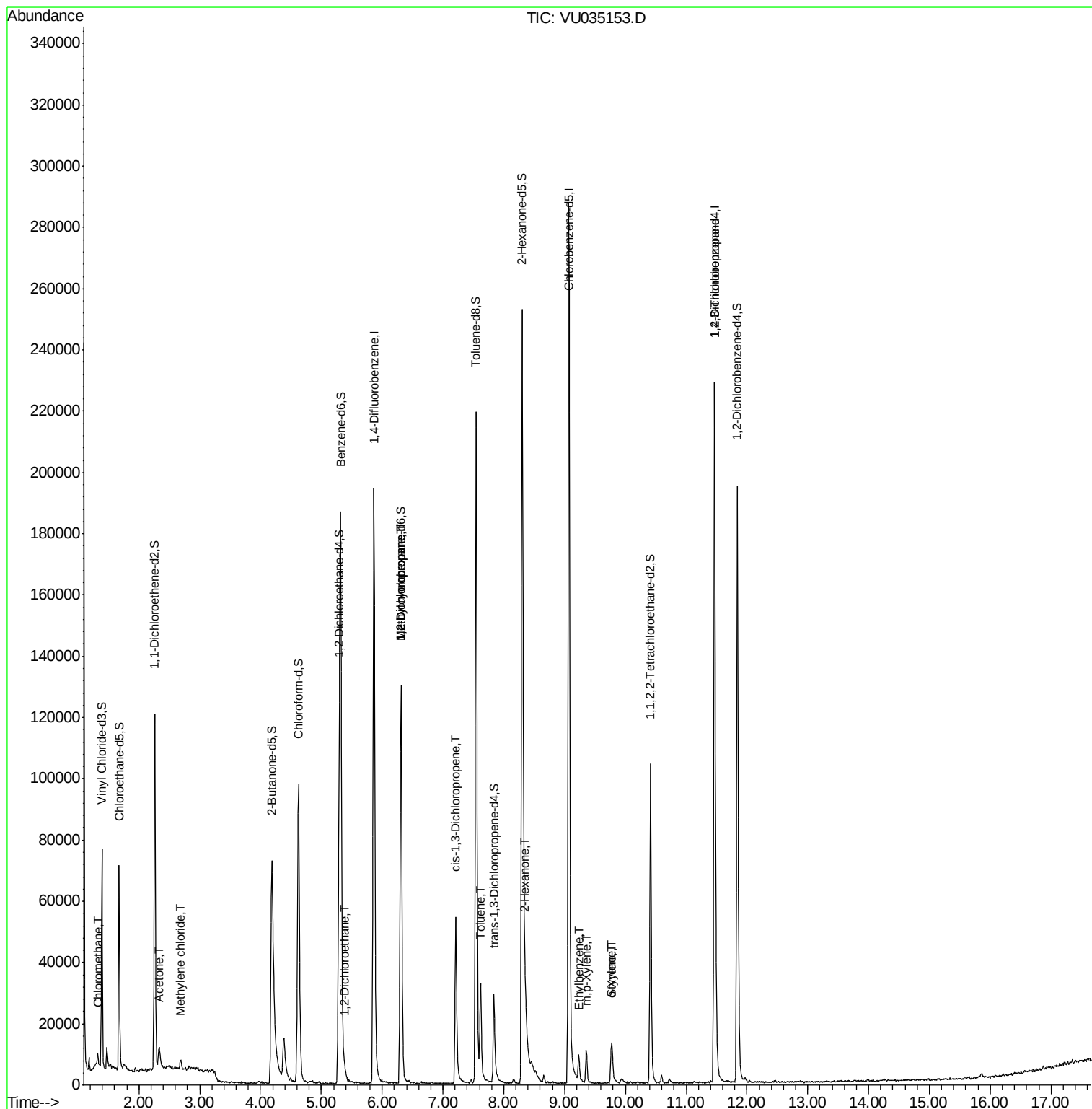
					Qvalue
3) Chloromethane	1.32	50	2039	0.124 ug/L	94
13) Acetone	2.33	43	12298	5.251 ug/L	88
16) Methylene chloride	2.69	84	868	0.066 ug/L #	66
27) 1,2-Dichloroethane	5.39	62	2027	0.138 ug/L #	77
35) Methylcyclohexane	6.31	83	14225	0.652 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	6931	0.492 ug/L #	88
39) cis-1,3-Dichloropropene	7.21	75	1485	0.078 ug/L #	54
42) Toluene	7.62	91	24742	0.454 ug/L	98
48) 2-Hexanone	8.36	43	6387	1.050 ug/L #	52
52) Ethylbenzene	9.23	91	5830	0.097 ug/L	96
53) m,p-Xylene	9.36	106	3652	0.164 ug/L	89
54) o-Xylene	9.76	106	2089	0.096 ug/L	85
55) Styrene	9.78	104	6550	0.186 ug/L	96
59) 1,2,3-Trichloropropane	11.47	75	8813	0.966 ug/L #	88

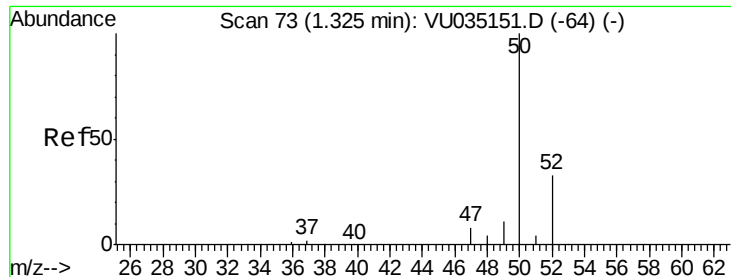
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.124 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU035153.D

Acq: 14 Oct 2019 16:32

Instrument :

MSVOA_U

ClientSampleId :

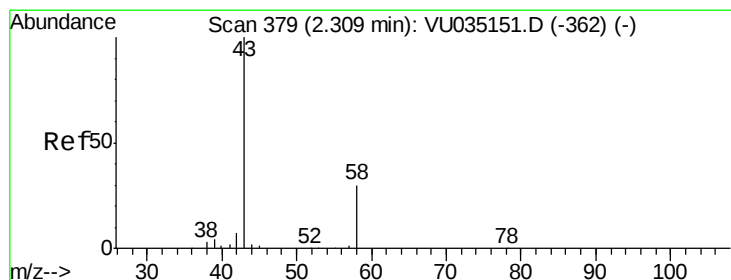
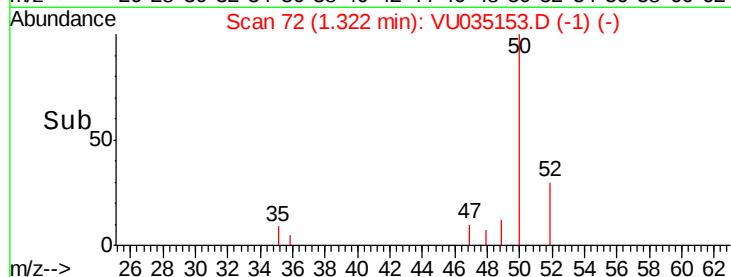
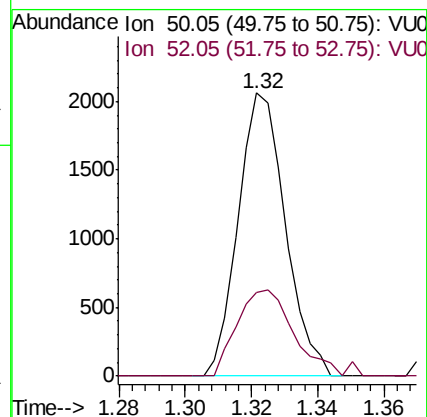
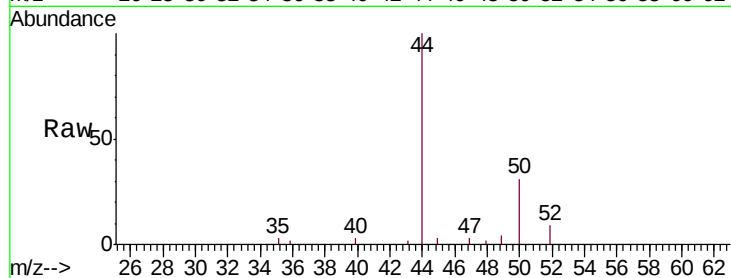
TB-3-191007-1

Tgt Ion: 50 Resp: 2039

Ion Ratio Lower Upper

50 100

52 29.6 23.3 43.3



#13

Acetone

Concen: 5.251 ug/L

RT: 2.33 min Scan# 386

Delta R.T. 0.02 min

Lab File: VU035153.D

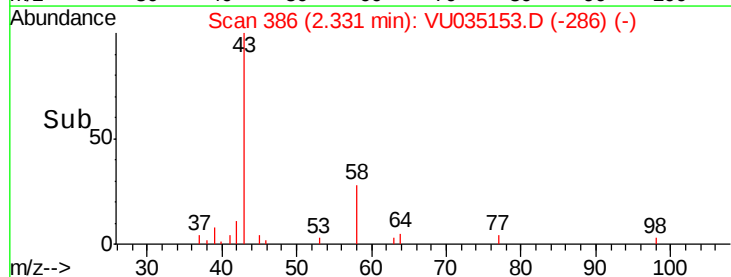
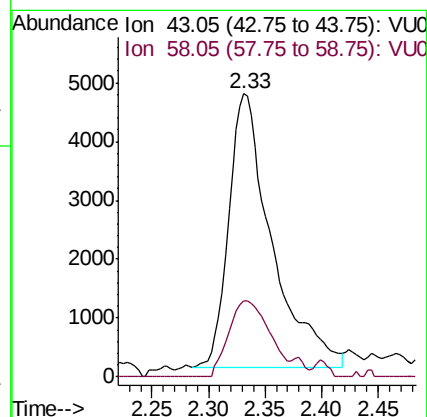
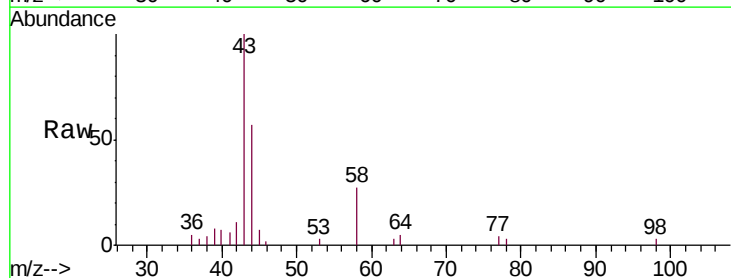
Acq: 14 Oct 2019 16:32

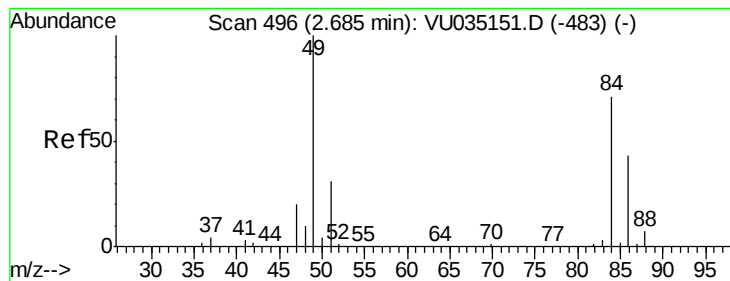
Tgt Ion: 43 Resp: 12298

Ion Ratio Lower Upper

43 100

58 26.6 0.0 66.6





#16

Methylene chloride

Concen: 0.066 ug/L

RT: 2.69 min Scan# 497

Delta R.T. 0.00 min

Lab File: VU035153.D

Acq: 14 Oct 2019 16:32

Instrument :

MSVOA_U

ClientSampleId :

TB-3-191007-1

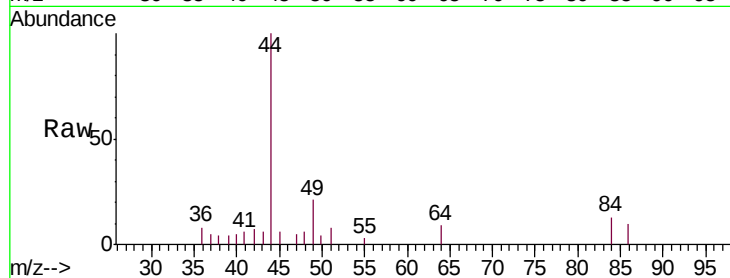
Tgt Ion: 84 Resp: 868

Ion Ratio Lower Upper

84 100

86 77.9 42.5 78.9

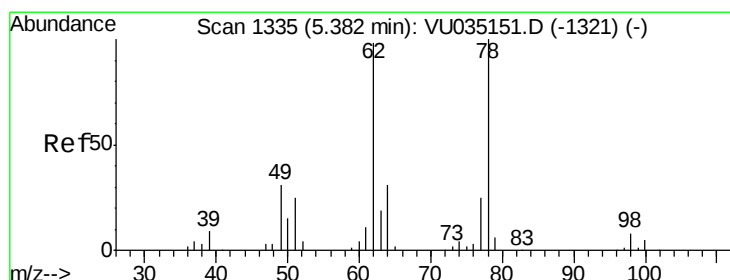
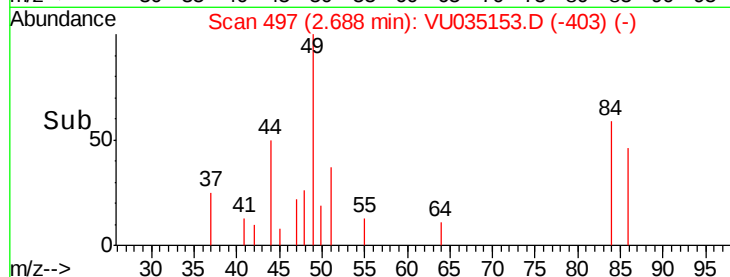
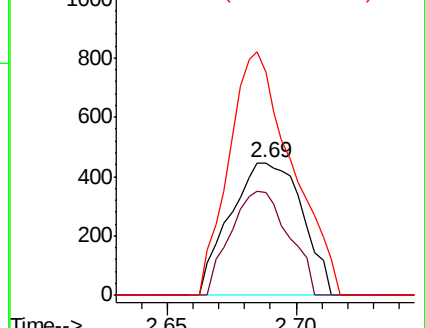
49 168.7 86.9 161.3#



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



#27

1,2-Dichloroethane

Concen: 0.138 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.01 min

Lab File: VU035153.D

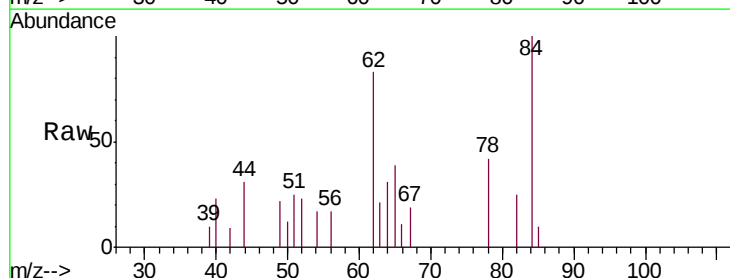
Acq: 14 Oct 2019 16:32

Tgt Ion: 62 Resp: 2027

Ion Ratio Lower Upper

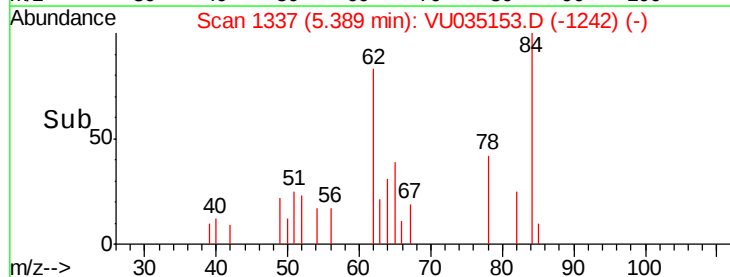
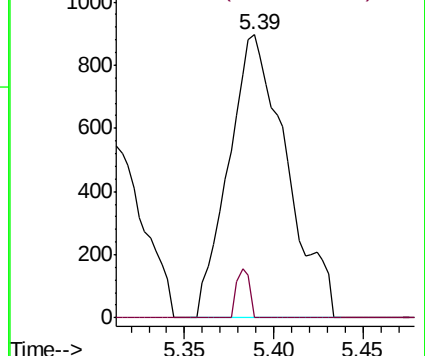
62 100

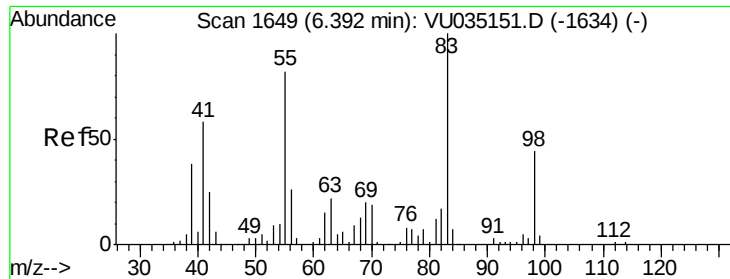
98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

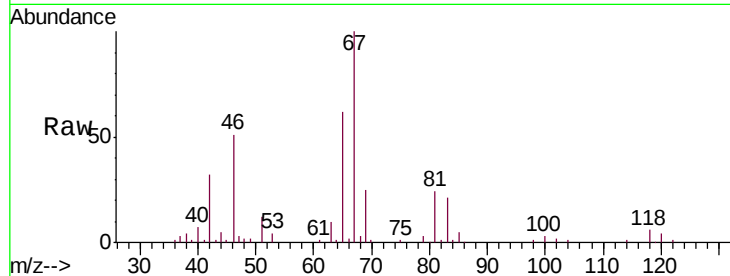




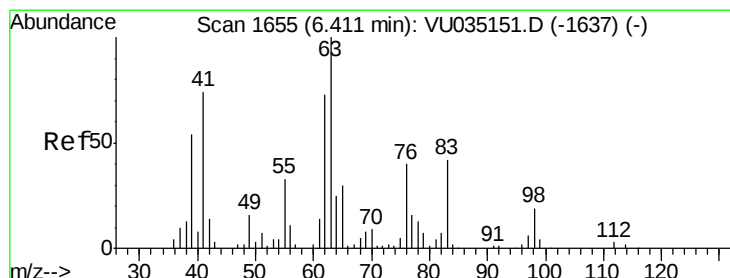
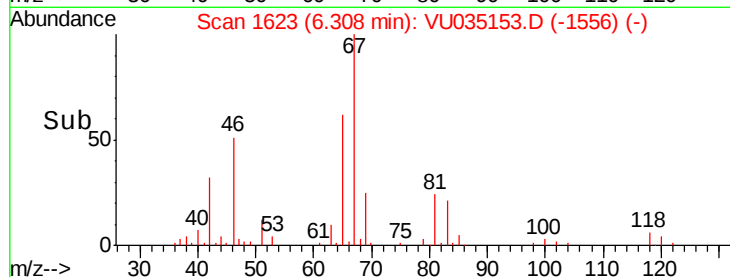
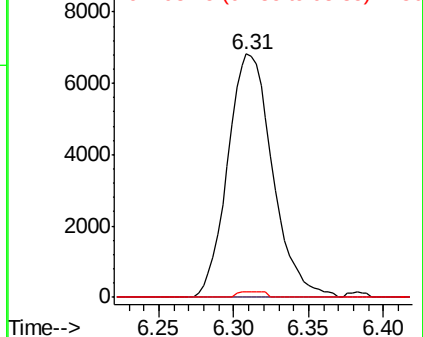
#35
Methylcyclohexane
Concen: 0.652 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.08 min
Lab File: VU035153.D
Acq: 14 Oct 2019 16:32

Instrument :
MSVOA_U
ClientSampleId :
TB-3-191007-1

Tgt Ion: 83 Resp: 14225
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 0.8 36.2 54.2#

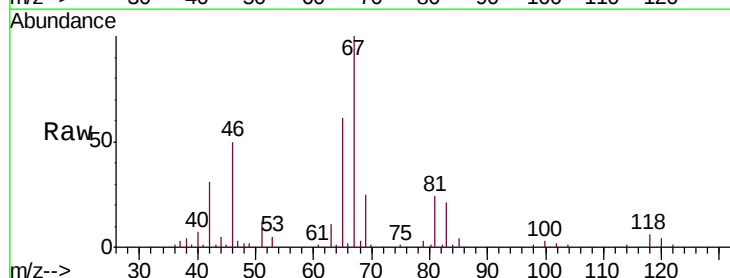


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

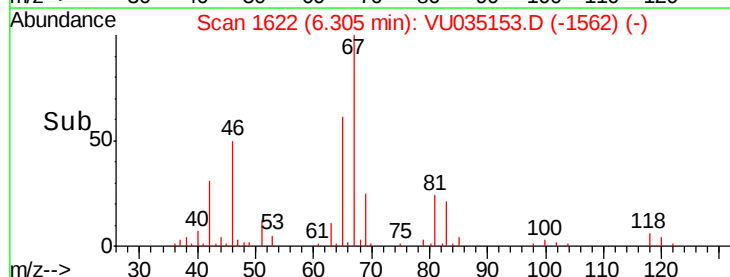
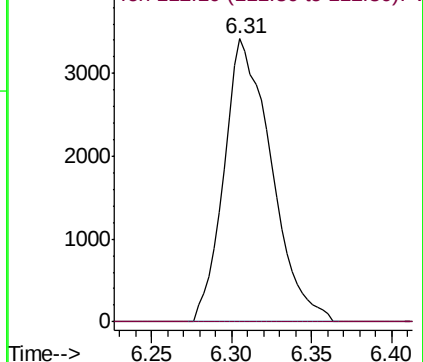


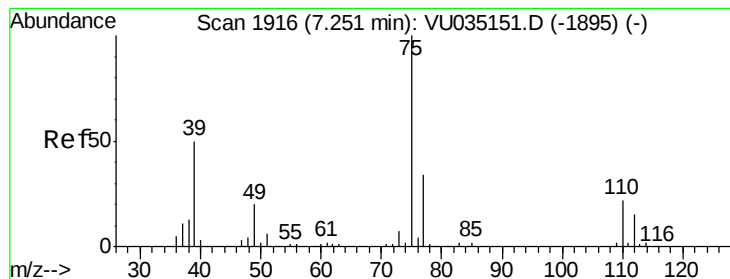
#37
1,2-Dichloropropane
Concen: 0.492 ug/L
RT: 6.31 min Scan# 1622
Delta R.T. -0.11 min
Lab File: VU035153.D
Acq: 14 Oct 2019 16:32

Tgt Ion: 63 Resp: 6931
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



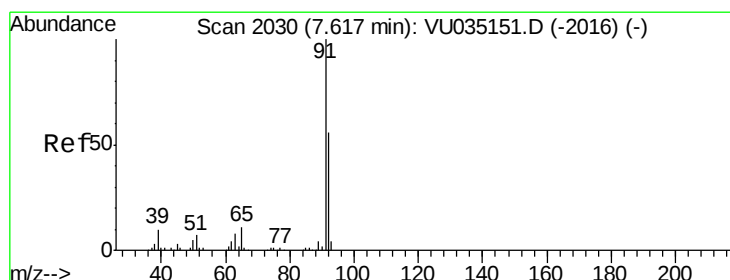
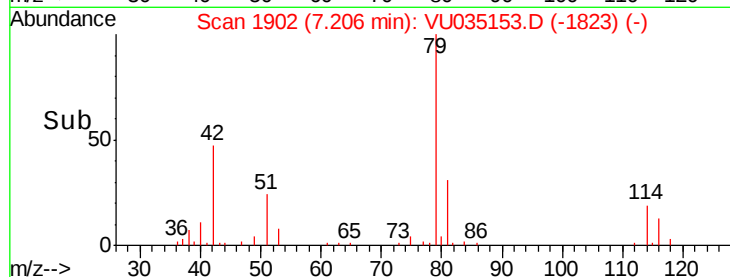
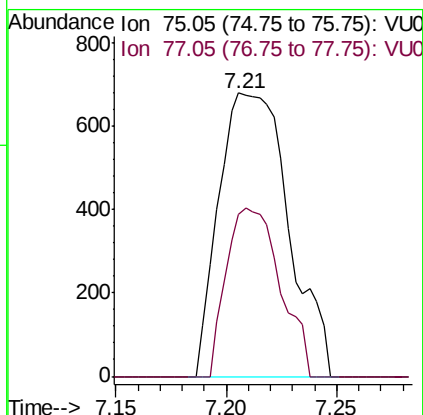
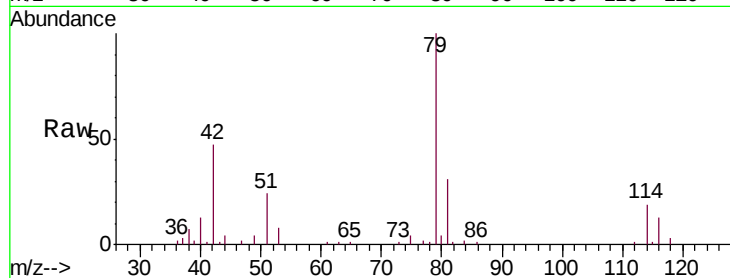


#39

cis-1,3-Dichloropropene
 Concen: 0.078 ug/L
 RT: 7.21 min Scan# 1902
 Delta R.T. -0.04 min
 Lab File: VU035153.D
 Acq: 14 Oct 2019 16:32

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 MSVOA_U
 ClientSampleId :
 TB-3-191007-1

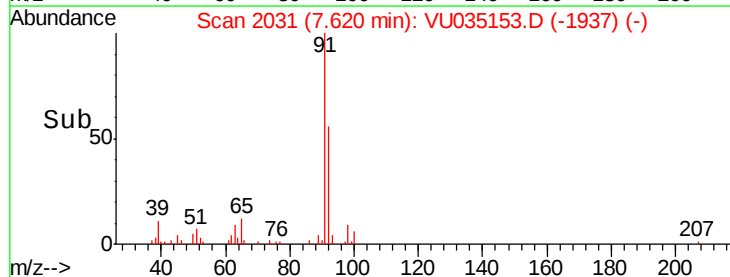
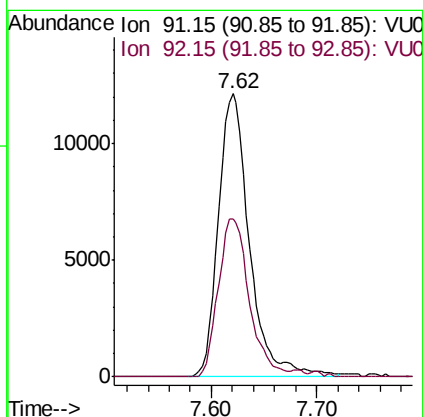
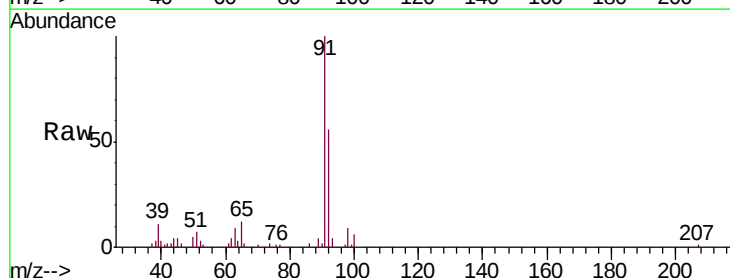
Tgt Ion: 75 Resp: 1485
 Ion Ratio Lower Upper
 75 100
 77 57.1 22.1 41.1#

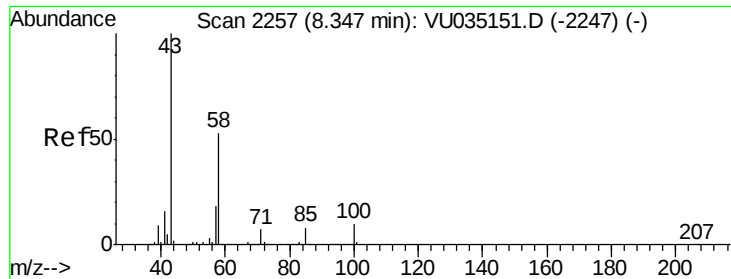


#42

Toluene
 Concen: 0.454 ug/L
 RT: 7.62 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VU035153.D
 Acq: 14 Oct 2019 16:32

Tgt Ion: 91 Resp: 24742
 Ion Ratio Lower Upper
 91 100
 92 56.0 40.0 74.2

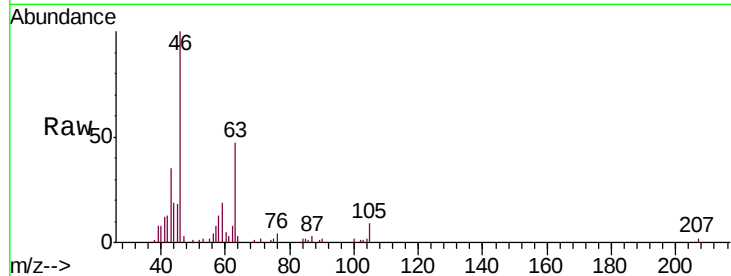




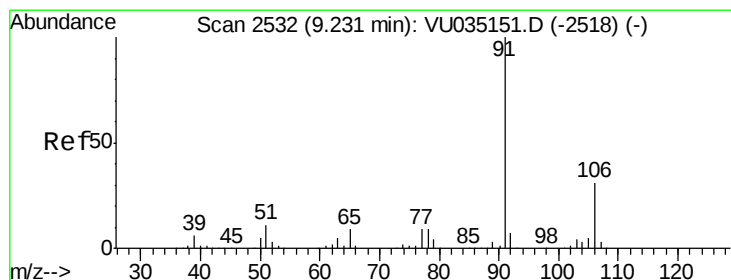
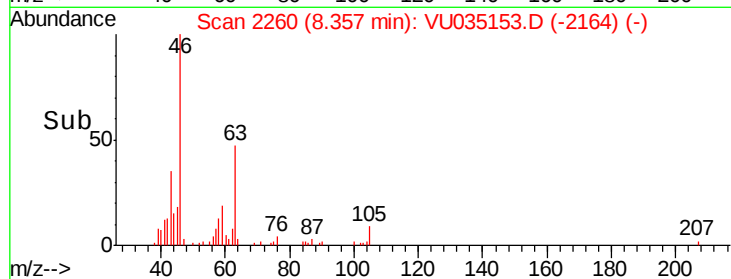
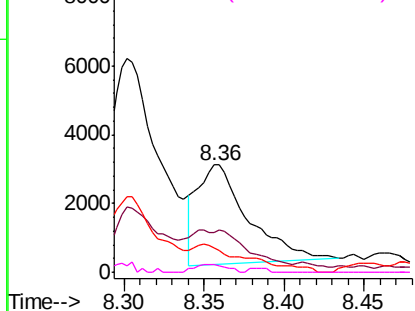
#48
2-Hexanone
Concen: 1.050 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.01 min
Lab File: VU035153.D
Acq: 14 Oct 2019 16:32

Instrument :
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ClientSampleId :
TB-3-191007-1

Tgt Ion:	43	Resp:	6387
Ion	Ratio	Lower	Upper
43	100		
58	4.0	44.1	66.1#
57	18.9	15.8	23.8
100	4.9	9.4	14.2#

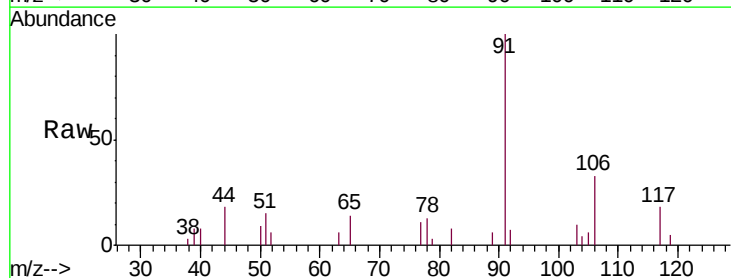


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

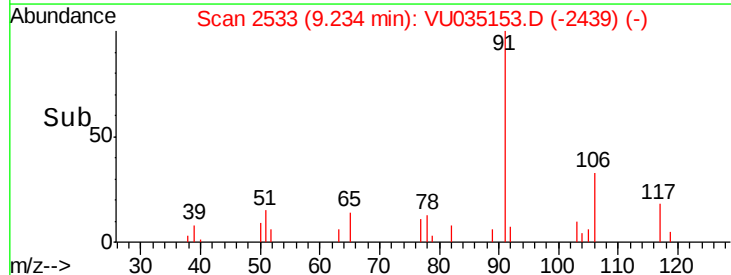
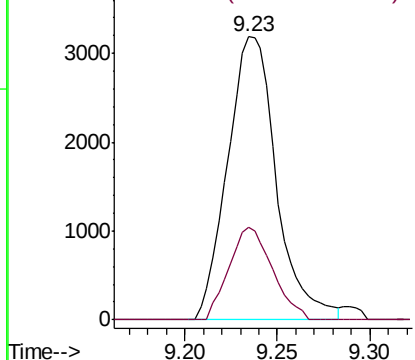


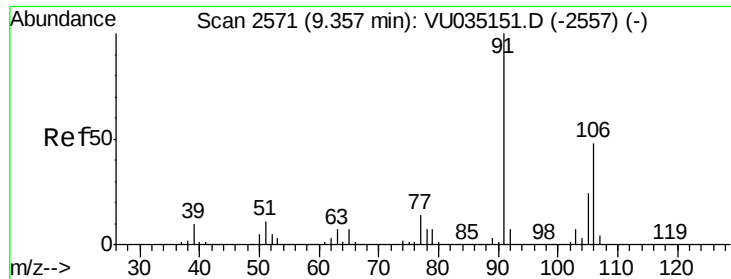
#52
Ethylbenzene
Concen: 0.097 ug/L
RT: 9.23 min Scan# 2533
Delta R.T. 0.00 min
Lab File: VU035153.D
Acq: 14 Oct 2019 16:32

Tgt Ion:	91	Resp:	5830
Ion	Ratio	Lower	Upper
91	100		
106	32.9	21.6	40.2



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 106.15 (105.85 to 106.85): VU0





#53

m,p-Xylene

Concen: 0.164 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

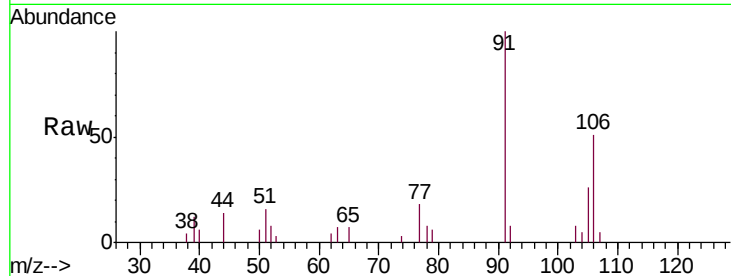
TB-3-191007-1

Tgt Ion:106 Resp: 3652

Ion Ratio Lower Upper

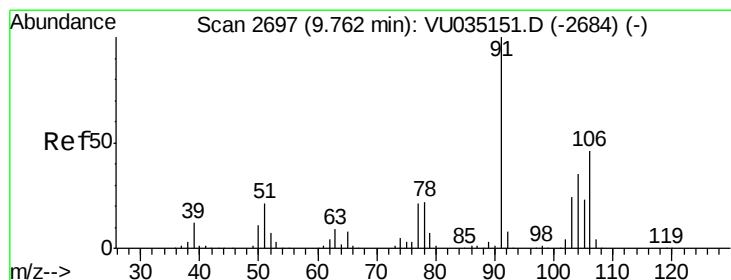
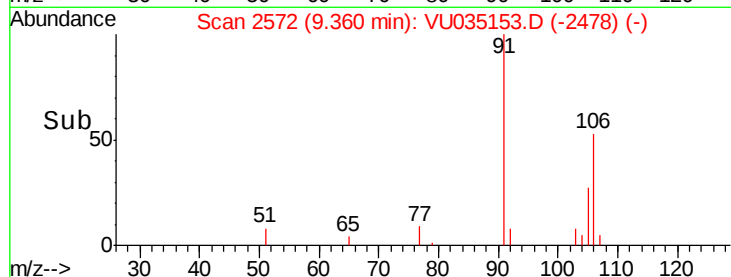
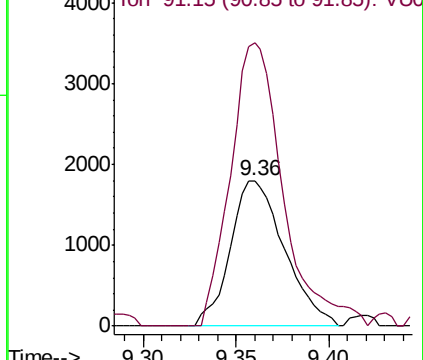
106 100

91 194.3 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.096 ug/L

RT: 9.76 min Scan# 2698

Delta R.T. 0.00 min

Lab File: VU035153.D

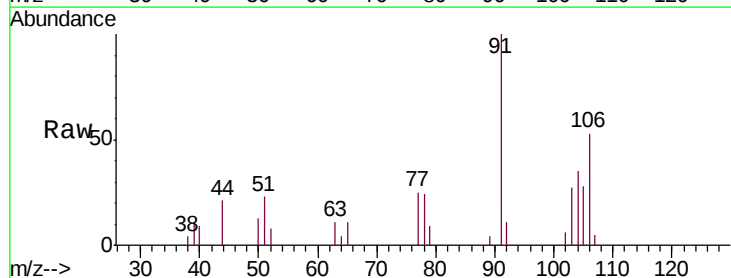
Acq: 14 Oct 2019 16:32

Tgt Ion:106 Resp: 2089

Ion Ratio Lower Upper

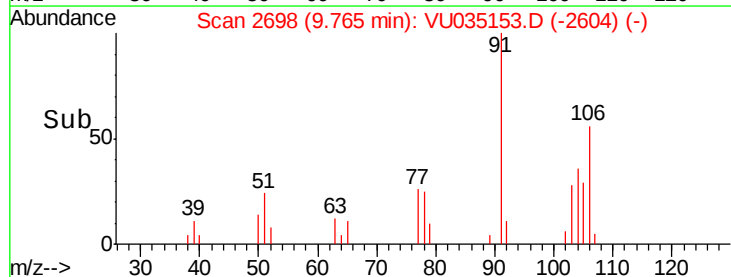
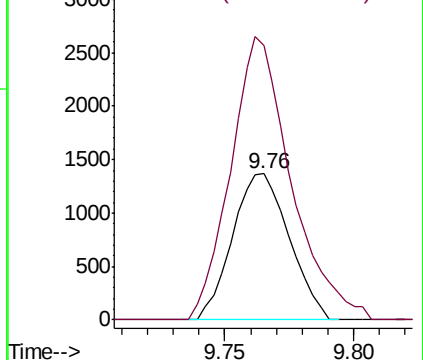
106 100

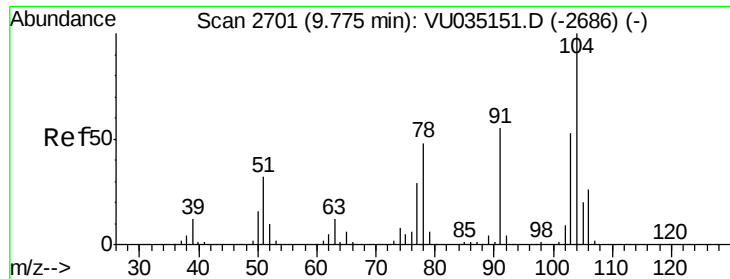
91 187.8 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#55

Styrene

Concen: 0.186 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU035153.D

Acq: 14 Oct 2019 16:32

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ClientSampleId :

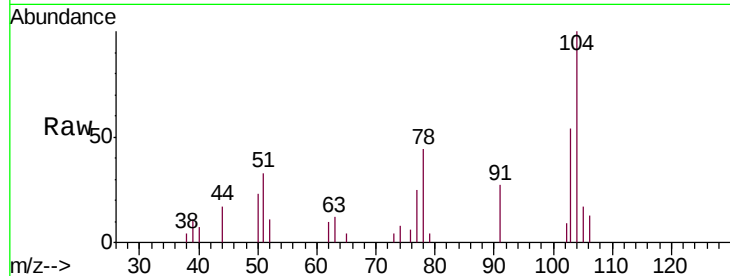
TB-3-191007-1

Tgt Ion:104 Resp: 6550

Ion Ratio Lower Upper

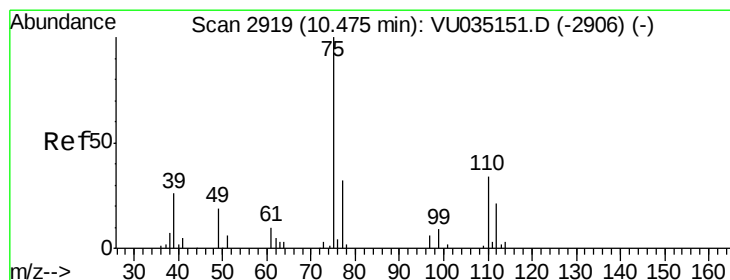
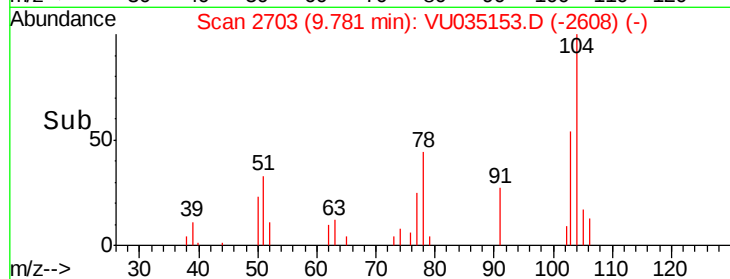
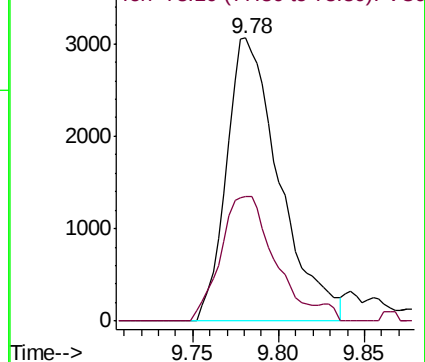
104 100

78 44.1 32.8 60.8



Abundance Ion 104.10 (103.80 to 104.80): VU035153.D (-2686) (-)

Ion 78.10 (77.80 to 78.80): VU035153.D (-2686) (-)



#59

1,2,3-Trichloropropane

Concen: 0.966 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU035153.D

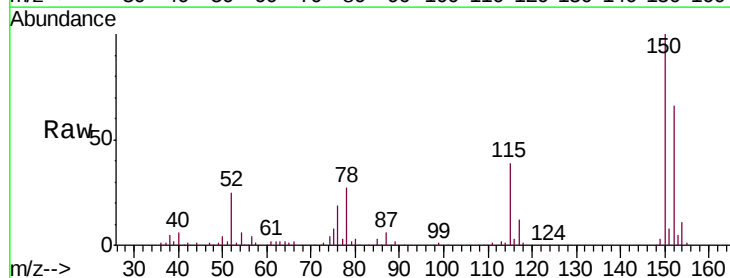
Acq: 14 Oct 2019 16:32

Tgt Ion: 75 Resp: 8813

Ion Ratio Lower Upper

75 100

77 40.0 26.5 39.7#



Abundance Ion 75.00 (74.70 to 75.70): VU035153.D (-2297) (-)

Ion 77.00 (76.70 to 77.70): VU035153.D (-2297) (-)

